LA-UR-19-26954

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Title:	Semi-Annual Monitoring Report for Los Alamos National Laboratory, AI No. 856, Title V Operating Permit P100-R2M3 for January 1 – June 30, 2019
Author(s):	Carretti, Vincent Anthony
Intended for:	Environmental Regulatory Document
Issued:	2019-08-13 (rev.1)

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Environment, Safety, Health, Quality, Safeguards, and Security
PO Box 1663, K491
Los Alamos, New Mexico 87545
(505) 667-4218

National Nuclear Security Administration
Los Alamos Field Office
3747 West Jemez Road, A316
Los Alamos, New Mexico, 87544
(505) 665-7314/Fax (505) 667-5948

Symbol: ESHQSS: 19-042
LA-UR: 19-26954
Locates Action No.: N/A
Date: AUG 12 2019

Ms. Kristina Sullivan
Compliance Reporting Manager
New Mexico Environment Department, Air Quality Bureau
525 Camino de los Marquez, Suite 1
Santa Fe, NM 87505-1816

Subject: Semi-Annual Monitoring Report for Los Alamos National Laboratory, AI No. 856, Title V Operating Permit P100-R2M3 for January 1 – June 30, 2019

Dear Ms. Sullivan:

Enclosed is Los Alamos National Laboratory's (LANL) Semi-Annual Monitoring Report for the first half of 2019 for Operating Permit P100-R2M3, effective October 17, 2018. This Semi-Annual Monitoring Report covers the January 1 – June 30, 2019 (2019H1) reporting period.

This submission is required by permit condition A109.A. of the Title V Operating Permit P100-R2M3, and is submitted within 45 days following June 30, 2019, the end of the six month reporting period. LANL's Air Quality Compliance team obtained approval from Ms. Carina Munoz-Dyer, Reports Group Staff Manager at the New Mexico Environment Department, Air Quality Bureau, to submit attachments to this report in E-files only without paper copies.

This Semi-Annual Monitoring Report includes:

1. Printed copies of:
    - Cover Letter (Signed original)
    - Reporting Submittal Form for P100-R2M3 (Signed original)
    - Title V Report Certification Form for P100-R2M3 (Signed original)
    - Title V Semi-Annual Monitoring Report for January 1– June 30, 2019 (2019H1)
        - Part 1 – Monitoring Activity Reporting Requirements
        - Part 2 – Deviation Summary Report

2. E-files of:
    - Cover Letter
    - Reporting Submittal Form for P100-R2M3
    - Title V Report Certification Form for P100-R2M3
    - Title V Semi-Annual Monitoring Report for January 1– June 30, 2019 (2019H1)
        - Part 1 – Monitoring Activity Reporting Requirements
        - Part 2 – Deviation Summary Report
    - Monitoring Report Attachments A.607.A through A.1507.B

There were no deviations from permit conditions during this reporting period.

If you have any questions or comments regarding this submittal or would like to discuss the submittal in greater detail, please contact Adrienne Nash at (505) 665-5026 or Aaron Dailey at (505) 667-7276.

Sincerely,

Michael W. Hazen
Associate Laboratory Director
Environment, Safety, Health, Quality
Safeguards, and Security (ESHQSS)
Triad National Security. LLC

Sincerely,

William S. Goodrum
Manager, Los Alamos Field Office
National Nuclear Security Administration
U.S. Department of Energy
Los Alamos Field Office

MWH/WSG/AMD/VAC:jdm

Attachment(s): Attachment 1 Communication with NMED Regarding Electronic Attachments
Attachment 2 Semi-Annual Monitoring Report for Los Alamos National Laboratory, AI No. 856, Title V Operating Permit P100-R2M3 for January 1 – June 30, 2019

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New Mexico Environment Department
Air Quality Bureau
Compliance and Enforcement Section
525 Camino de los Marquez, Suite 1
Santa Fe, NM 87505
Phone (505) 476-4300

Version 07.20.18

NMED USE ONLY	
TEMPO	

REPORTING SUBMITTAL FORM

NMED USE ONLY	
Staff	
Admin	

PLEASE NOTE: ® - Indicates required field

SECTION I - GENERAL COMPANY AND FACILITY INFORMATION

A. ® Company Name: Department of Energy, National Nuclear Security Administration			**D. ® Facility Name:** Los Alamos National Laboratory		
B.1 ® Company Address: 3747 West Jemez Road			**E.1 ® Facility Address:** P.O. Box 1663 MS J978		
B.2 ® City: Los Alamos	**B.3 ® State:** NM	**B.4 ® Zip:** 87544	**E.2 ® City:** Los Alamos	**E.3 ® State:** NM	**E.4 ® Zip:** 87545
C.1 ® Company Environmental Contact: Adrienne L. Nash	**C.2 ® Title:** Program Manager		**F.1 ® Facility Contact:** Aaron M. Dailey	**F.2 ® Title:** Air Quality Compliance Team Leader	
C.3 ® Phone Number: (505) 665-5026	**C.4 ® Fax Number:** (505) 667-9998		**F.3 ® Phone Number:** (505) 667-7276	**F.4 ® Fax Number:** NA	
C.5 ® Email Address: adrienne.nash@nnsa.doe.gov			**F.5 ® Email Address:** adailey@lanl.gov		
G. Responsible Official: (Title V only): William S. Goodrum	**H. Title:** Manager		**I. Phone Number:** (505) 667-5105	**J. Fax Number:** NA	

K. ® AI Number:	L. Title V Permit Number:	M. Title V Permit Issue Date:	N. NSR Permit Number:	O. NSR Permit Issue Date:
856	P100-R2M3	October 17, 2018	2195	Various

P. Reporting Period: From: January 1, 2019 To: June 30, 2019

Do NOT submit NSPS OOOO or OOOOa well completion or flowback notifications to the Air Quality Bureau. See https://www.env.nm.gov/air-quality/notices-and-faqs-for-compliance-and-enforcement/ for explanation.

SECTION II – TYPE OF SUBMITTAL (check one that applies)

A. ☐	**Title V Annual Compliance Certification**	**Permit Condition(s):**	**Description:**	
B. ☒	**Title V Semi-Annual Monitoring Report**	**Permit Condition(s):** A109.A	**Description:** LANL Semi-Annual Monitoring Report for January 1 - June 30, 2019	
C. ☐	**NSPS Requirement (40CFR60)**	**Regulation:**	**Section(s):**	**Description:**
D. ☐	**MACT Requirement (40CFR63)**	**Regulation:**	**Section(s):**	**Description:**
E. ☐	**NMAC Requirement (20.2.xx) or NESHAP Requirement (40CFR61)**	**Regulation:**	**Section(s):**	**Description:**
F. ☐	**Permit or Notice of Intent (NOI) Requirement**	**Permit No.☐: or NOI No.☐:**	**Condition(s):**	**Description:**
G. ☐	**Requirement of an Enforcement Action**	**NOV No. ☐: or SFO No. ☐: or CD No. ☐: or Other ☐:**	**Section(s):**	**Description:**

SECTION III - CERTIFICATION

After reasonable inquiry, I William S. Goodrum **(Name of Certifier) certify that the information in this submittal is true, accurate and complete.**

® Signature of Certifier:	® Title:	® Date	® Responsible Official for Title V?
William S. Goodrum	Manager	8-6-2019	☒ Yes ☐ No

Reviewed By: _____ Date Reviewed: _____

Title V Report Certification Form

I. Report Type

☐ **Annual Compliance Certification**

☒ **Semi-Annual Monitoring Report**

☐ **Other Specify:**

II. Identifying Information

Facility Name: Los Alamos National Laboratory		
Facility Address: P.O. Box 1663, MS J978	State: NM	Zip: 87545
Responsible Official (RO): William S. Goodrum	Phone: (505) 667-5105	Fax: NA
RO Title: Manager	RO e-mail: steve.goodrum@nnsa.doe.gov	
Permit No.: P100-R2M3	Date Permit Issued: 10/17/2018	
Report Due Date (as required by the permit): 8/14/2019	Permit AI number: 856	
Time period covered by this Report: From: 1/1/2019	To: 6/30/2019	

III. Certification of Truth, Accuracy, and Completeness

I am the Responsible Official indicated above. I, (William S. Goodrum) certify that I meet the requirements of 20.2.70.7.AE NMAC and that I have been identified to the Department as such through a permitting action or notification. I certify that, based on information and belief formed after reasonable inquiry, the statements and information contained in the attached Title V report are true, accurate, and complete.

Signature _____ Date: 8-6-19

ATTACHMENT 1

Communication with NMED Regarding Electronic Attachments

ESHQSS: 19-042

LA-UR-19-26954

Date: AUG 12 2019

From:	Munoz, Carina, NMENV
To:	Ramanathan, Brinda
Subject:	RE: Template for Los Alamos National Laboratory"s semi-annual monitoring report
Date:	Monday, July 3, 2017 9:22:48 AM

That will be okay. Just provide a CD with the attachments. And include this email with your submittal.

Thanks
Carina

Carina G. Munoz-Dyer
Reports Group Staff Manager
Compliance and Enforcement Section
NMED Air Quality Bureau
Ph. 505-476-4368

The Four-Way Test
Of the Things We Think, Say or Do:

1. Is it the **TRUTH**?
2. Is it **FAIR** to all concerned?
3. Will it build **GOODWILL** and **BETTER FRIENDSHIPS**?
4. WIll it be **BENEFICIAL** to all concerned?

From: Ramanathan, Brinda [mailto:brindar@lanl.gov]
Sent: Monday, July 03, 2017 9:20 AM
To: Munoz, Carina, NMENV <Carina.Munoz@state.nm.us>
Subject: RE: Template for Los Alamos National Laboratory's semi-annual monitoring report

Hi Carina,

Good morning.

Thank you for the forms.

I do have one question. LANL's monitoring report attachments are 1500-1700 pages long. The previous compliance manager, Renae Held allowed us to submit electronic files only for the attachments. Is this acceptable to you? We will submit paper copies for the submittal form, certification form and the report. We would like to avoid printing so many pages.

Let me know.

Thank you again for your help with this.

Brinda

From: Munoz, Carina, NMENV [mailto:Carina.Munoz@state.nm.us]
Sent: Monday, July 3, 2017 9:09 AM
To: Ramanathan, Brinda <brindar@lanl.gov>; aqb, Submittals, NMENV <Submittals.aqb@state.nm.us>
Subject: RE: Template for Los Alamos National Laboratory's semi-annual monitoring report
Importance: High

Brinda,

Here are the template for AI 856 – LANL Semi-Annual and ACC reports. The forms are a combined version that include TV Permit P100-R2 and R2M1. Please read the instructions on the first page of each form. Let me know if you have any questions.

Thanks
Carina

Carina G. Munoz-Dyer
Reports Group Staff Manager
Compliance and Enforcement Section
NMED Air Quality Bureau
Ph. 505-476-4368

The Four-Way Test
Of the Things We Think, Say or Do:

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3. Will it build **GOODWILL** and **BETTER FRIENDSHIPS**?
4. WIll it be **BENEFICIAL** to all concerned?

From: Ramanathan, Brinda [mailto:brindar@lanl.gov]
Sent: Wednesday, June 28, 2017 8:51 AM
To: Munoz, Carina, NMENV <Carina.Munoz@state.nm.us>
Subject: Template for Los Alamos National Laboratory's semi-annual monitoring report

Hi Carina,

We spoke a month ago about getting a new template for the semi-annual monitoring report for Title V permit P100-R2M1.
I was wondering if the template is available so that I can get started on the monitoring report.

The AI for LANL is AI856.

Until Feb 3, 2017 LANL operated under permit P100-R2.
On Feb 3, 2017, LANL was issued a permit modification P100-R2M1. The modification was for the addition of Evaporative Sprayers in Section A1500.

Would you kindly let me know if LANL has to submit two monitoring reports or one for the Jan 1–Jun 30, 2017 monitoring period?

I will follow up this e-mail with a phone call to you.

Thank you.

With best regards,

Brinda Ramanathan
Air Quality Compliance
505-665-8879
Los Alamos National Laboratory

ATTACHMENT 2

Semi-Annual Monitoring Report for Los Alamos National Laboratory, AI No. 856, Title V Operating Permit P100-R2M3 for January 1–June 30, 2019

ESHQSS: 19-042

LA-UR-19-26954

Date: AUG 12 2019

Title V Semi-Annual Monitoring
for Permits P100-R2M2 & P100-R2M3

Title (TV) Permit Administration Amendment

On **October 17, 2018** NMED AQB issued an Administrative Amendment to Operating Permit **P100-R2M2**.

The Administrative Amendment **P100-R2M3** corrected the following:

- **The Department revises the information on page 1 of the permit as follows:**

  Operator names are changed to

  Triad National Security, LLC
  PO Box 1663 MS K491
  Los Alamos, NM 87545

  and

  Newport News Nuclear BWXT-Los Alamos, LLC
  600 Sixth Street
  Los Alamos, NM 87544

On **October 17, 2018** NMED AQB issued a letter that corrected the permit number for this Administrative Amendment from **P100-R2M2** to **P100-R2M3**.

For this Administrative Amendment **(P100-R2M3)**, the facility can use one Semi-Annual Form which will cover both TV Permits.

Although the facility is only required to submit one Semi-Annual Report, the facility shall submit **two (2)** separate TV Report Certification Forms. Each form shall list the corresponding TV Permit number, TV Permit Issue Date and Reporting Period under such TV Permit.

Please note that this is a one-time authorization. Submittal forms for future Administrative Revisions will be evaluated on a case by case basis.

This form can also be used for future submittals that cover only the **P100-R2M3** permit.

Title V Semi - Annual Monitoring Report for Permits P100-R2M2 & P100-R2M3

Part 1 – Monitoring Activity Reporting Requirements

A Semi-Annual Report of monitoring activities is due within 45 days following the end of every 6-month reporting period. The six month reporting periods start on January 1st and July 1st of each year.

A responsible official (as defined in 20.2.70.7.AE NMAC) shall certify the accuracy, truth and completeness of every report and compliance certification submitted to the Department as required by this permit. These certifications shall be part of each document. (20.2.70.300.E NMAC)

Compliance Certification Reports, Semi-Annual monitoring reports, compliance schedule progress reports, and any other compliance status information required by this permit shall be certified by the responsible official and submitted to:

Manager, Compliance and Enforcement Section
New Mexico Environment Department
Air Quality Bureau
525 Camino De Los Marquez, Suite 1
Santa Fe, NM 87505-1816

B108 General Monitoring Requirements
(20.2.70. 302.A and C NMAC)

A. These requirements do not supersede or relax requirements of federal regulations.
B. The following monitoring and/or testing requirements shall be used to determine compliance with applicable requirements and emission limits. Any sampling, whether by portable analyzer or EPA reference method, that measures an emission rate over the applicable averaging period greater than an emission limit in this permit constitutes noncompliance with this permit. The Department may require, at its discretion, additional tests pursuant to EPA Reference Methods at any time, including when sampling by portable analyzer measures an emission rate greater than an emission limit in this permit; but such requirement shall not be construed as a determination that the sampling by portable analyzer does not establish noncompliance with this permit and shall not stay enforcement of such noncompliance based on the sampling by portable analyzer.
C. If the emission unit is shutdown at the time when periodic monitoring is due to be accomplished, the permittee is not required to restart the unit for the sole purpose of performing the monitoring. Using electronic or written mail, the permittee shall notify the Department's Enforcement Section of a delay in emission tests prior to the deadline for accomplishing the tests. Upon recommencing operation, the permittee shall submit any pertinent pre-test notification requirements set forth in the current version of the Department's Standard Operating Procedures For Use Of Portable Analyzers in Performance Test, and shall accomplish the monitoring.
D. The requirement for monitoring during any monitoring period is based on the percentage of time that the unit has operated. However, to invoke monitoring period exemptions at B108.D(2), hours of operation shall be monitored and recorded.
   (1) If the emission unit has operated for more than 25% of a monitoring period, then the permittee shall conduct monitoring during that period.
   (2) If the emission unit has operated for 25% or less of a monitoring period then the monitoring is not required. After two successive periods without monitoring, the permittee shall conduct monitoring during the next period regardless of the time operated during that period, except that for any monitoring period in which a unit has operated for less than 10% of the monitoring period, the period will not be considered as one of the two successive periods.
   (3) If invoking the monitoring period exemption in B108.D(2), the actual operating time of a unit shall not exceed the monitoring period required by this permit before the required monitoring is performed. For example, if the monitoring period is annual, the operating hours of the unit shall not exceed 8760 hours before monitoring is conducted. Regardless of the time that a unit actually operates, a minimum of one of each type of monitoring activity shall be conducted during the five year term of this permit.
E. The permittee is not required to report a deviation for any monitoring or testing in a Specific Condition if the deviation was authorized in this General Condition B108.
F. For all periodic monitoring events, except when a federal or state regulation is more stringent, three test runs shall be conducted at 90% or greater of the unit's capacity as stated in this permit, or in the permit application if not in the permit, and at additional loads when requested by the Department. If the 90% capacity cannot be achieved, the monitoring will be conducted at the maximum achievable load under prevailing operating conditions except when a federal or state regulation requires more restrictive test conditions. The load and the parameters used to calculate it shall be recorded to

document operating conditions and shall be included with the monitoring report.

G. When requested by the Department, the permittee shall provide schedules of testing and monitoring activities. Compliance tests from previous NSR and Title V permits may be re-imposed if it is deemed necessary by the Department to determine whether the source is in compliance with applicable regulations or permit conditions.

H. If monitoring is new or is in addition to monitoring imposed by an existing applicable requirement, it shall become effective 120 days after the date of permit issuance. For emission units that have not commenced operation, the associated new or additional monitoring shall not apply until 120 days after the units commence operation. All pre-existing monitoring requirements incorporated in this permit shall continue to apply from the date of permit issuance. All monitoring periods, unless stated otherwise in the specific permit condition or federal requirement, shall commence at the beginning of the 12 month reporting period as defined at condition A109.B.

B109 General Recordkeeping Requirements

(20.2.70.302.D NMAC)

A. The permittee shall maintain records to assure and verify compliance with the terms and conditions of this permit and any applicable requirements that become effective during the term of this permit. The minimum information to be included in these records is (20.2.70.302.D.1 NMAC):
   (1) equipment identification (include make, model and serial number for all tested equipment and emission controls);
   (2) date(s) and time(s) of sampling or measurements;
   (3) date(s) analyses were performed;
   (4) the company or entity that performed the analyses;
   (5) analytical or test methods used;
   (6) results of analyses or tests; and
   (7) operating conditions existing at the time of sampling or measurement.

B. The permittee shall keep records of all monitoring data, equipment calibration, maintenance, and inspections, Data Acquisition and Handling System (DAHS) if used, reports, and other supporting information required by this permit for at least five (5) years from the time the data was gathered or the reports written. Each record shall clearly identify the emissions unit and/or monitoring equipment, and the date the data was gathered. (20.2.70.302.D.2 NMAC)

C. If the permittee has applied and received approval for an alternative operating scenario, then the permittee shall maintain a log at the facility, which documents, contemporaneously with any change from one operating scenario to another, the scenario under which the facility is operating. (20.2.70.302.A.3 NMAC)

D. The permittee shall keep a record describing off permit changes made at this source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under this permit, and the emissions resulting from those changes. (20.2.70.302.I.2 NMAC)

E. Unless otherwise indicated by Specific Conditions, the permittee shall keep the following records for malfunction emissions and routine and predictable emissions during startup, shutdown, and scheduled maintenance (SSM):
   (1) The owner or operator of a source subject to a permit, shall establish and implement a plan to minimize emissions during routine or predictable startup, shutdown, and scheduled maintenance

through work practice standards and good air pollution control practices. This requirement shall not apply to any affected facility defined in and subject to an emissions standard and an equivalent plan under 40 CFR Part 60 (NSPS), 40 CFR Part 63 (MACT), or an equivalent plan under 20.2.72 NMAC - Construction Permits, 20.2.70 NMAC - Operating Permits, 20.2.74 NMAC - Permits - Prevention of Significant Deterioration (PSD), or 20.2.79 NMAC - Permits - Nonattainment Areas. (20.2.7.14.A NMAC) The permittee shall keep records of all sources subject to the plan to minimize emissions during routine or predictable SSM and shall record if the source is subject to an alternative plan and therefore, not subject to the plan requirements under 20.2.7.14.A NMAC.

(2) If the facility has allowable SSM emission limits in this permit, the permittee shall record all SSM events, including the date, the start time, the end time, a description of the event, and a description of the cause of the event. This record also shall include a copy of the manufacturer's, or equivalent, documentation showing that any maintenance qualified as scheduled. Scheduled maintenance is an activity that occurs at an established frequency pursuant to a written protocol published by the manufacturer or other reliable source. The authorization of allowable SSM emissions does not supersede any applicable federal or state standard. The most stringent requirement applies.

(3) If the facility has allowable malfunction emission limits in this permit, the permittee shall record all malfunction events to be applied against these limits. The permittee shall also include the date, the start time, the end time, and a description of the event. **Malfunction means** any sudden and unavoidable failure of air pollution control equipment or process equipment beyond the control of the owner or operator, including malfunction during startup or shutdown. A failure that is caused entirely or in part by poor maintenance, careless operation, or any other preventable equipment breakdown shall not be considered a malfunction. (20.2.7.7.E NMAC) The authorization of allowable malfunction emissions does not supersede any applicable federal or state standard. The most stringent requirement applies. This authorization only allows the permittee to avoid submitting reports under 20.2.7 NMAC for total annual emissions that are below the authorized malfunction emission limit.

(4) The owner or operator of a source shall meet the operational plan defining the measures to be taken to mitigate source emissions during malfunction, startup or shutdown. (20.2.72.203.A(5) NMAC)

B110 General Reporting Requirements

(20.2.70.302.E NMAC)

A. Reports of required monitoring activities for this facility shall be submitted to the Department on the schedule in section A109. Monitoring and recordkeeping requirements that are not required by a NSPS or MACT shall be maintained on-site or (for unmanned sites) at the nearest company office, and summarized in the semi-annual reports, unless alternative reporting requirements are specified in the equipment specific requirements section of this permit.

B. Reports shall clearly identify the subject equipment showing the emission unit ID number according to this operating permit. In addition, all instances of deviations from permit requirements, including those that occur during emergencies, shall be clearly identified in the reports required by section

A109. (20.2.70.302.E.1 NMAC)

C. The permittee shall submit reports of all deviations from permit requirements, including those attributable to upset conditions as defined in the permit, the probable cause of such deviations, and any corrective actions or preventive measures taken. These reports shall be submitted as follows:
   (1) Deviations resulting in excess emissions as defined in 20.2.7.7 NMAC (including those classified as emergencies as defined in section B114.A) shall be reported in accordance with the timelines specified by 20.2.7.110 NMAC and in the semi-annual reports required in section A109. (20.2.70.302.E.2 NMAC)
   (2) All other deviations shall be reported in the semi-annual reports required in section A109. (20.2.70.302.E.2 NMAC).

D. The permittee shall submit reports of excess emissions in accordance with 20.2.7.110.A NMAC.

E. Results of emission tests and monitoring for each pollutant (except opacity) shall be reported in pounds per hour (unless otherwise specified) and tons per year. Opacity shall be reported in percent. The number of significant figures corresponding to the full accuracy inherent in the testing instrument or Method test used to obtain the data shall be used to calculate and report test results in accordance with 20.2.1.116.B and C NMAC. Upon request by the Department, CEMS and other tabular data shall be submitted in editable, MS Excel format.

F. At such time as new units are installed as authorized by the applicable NSR Permit, the permittee shall fulfill the notification requirements in the NSR permit.

G. Periodic Emissions Test Reporting: The permittee shall report semi-annually a summary of the test results.

H. The permittee shall submit an emissions inventory for this facility annually. The emissions inventory shall be submitted by the later of April 1 or within 90 days after the Department makes such request. (20.2.73 NMAC and 20.2.70.302.A.1 NMAC)

I. Emissions trading within a facility (20.2.70.302.H.2 NMAC)
   (1) For each such change, the permittee shall provide written notification to the department and the administrator at least seven (7) days in advance of the proposed changes. Such notification shall state when the change will occur and shall describe the changes in emissions that will result and how these increases and decreases in emissions will comply with the terms and conditions of the permit.
   (2) The permittee and department shall attach each such notice to their copy of the relevant permit.

FACILITY SPECIFIC REQUIREMENTS:

A109 Facility: Reporting

B. A Semi-Annual Report of actual emissions from all permitted sources unless otherwise specified in this permit is due within 90 days following the end of every 6-month reporting period as defined at Condition A109.A. Emission estimates of pollutants NOx, CO, SO2, VOC, TSP, PM10, and PM2.5 shall not include fugitive emissions. Emission estimates of HAPs shall include fugitive emissions. Emission estimates shall not include Insignificant or Trivial Activities, except that facility-wide emissions from all natural gas combustion sources shall be estimated. The reports shall include a comparison of actual emissions that occurred during the reporting period with the facility-wide allowable emission limits at Table 106.B.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☒ **Yes** **Date report submitted:** March 25, 2019 **Tracking Number:** SBR20190005

☐ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: The Semi-Annual Emissions Report for July 1 - December 31, 2018, was submitted on March 25, 2019 within 90 days from the end of the reporting period as required by condition A109.A. The Semi-Annual Emissions Report for January 1 - June 30, 2019 is not due until 90 days following June 30, 2019, which is after the submission of this report.

EQUIPMENT SPECIFIC REQUIREMENTS:

A605 Fuel Requirements – Asphalt Production

A. Asphalt Plant Combustion Sources

Requirement: Combustion sources located at the asphalt plant shall combust only those fuels allowed under condition III.A.3 of the NSR Permit GCP-3-2195G.

Monitoring: N/A

Recordkeeping: The permittee shall meet the recordkeeping requirements of GCP-3 and maintain records in accordance with Section B109.

Reporting: The permittee shall submit reports described in Section A109 and in accordance with Section B110.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement: Pipeline quality natural gas is used at the asphalt plant and is allowed under condition III.A.3 of the NSR permit GCP-3-2195G.

Recordkeeping: Records are maintained in accordance with Section B109.

Reporting: A109.A: This Semi-Annual Monitoring Report is submitted within 45 days allowed after the reporting period.

A109.B: The July 1 - December 31, 2018 Semi-Annual Emissions Report was submitted on March 25, 2019 (SBR No. 20190005) within the 90 days allowed. The January 1 - June 30, 2019 Semi-Annual Emissions Report for Operating Permit P100-R2M3 is due 90 days following June 30, 2019, which is after the submission of this report.

A109.C: The 2018 Annual Compliance Certification Report for operating permit P100-R2M1, P100-R2M2, and P100-R2M3 (January 1 –December 31, 2018) was submitted to NMED AQB and the U.S. Environmental Protection Agency (EPA) on January 30, 2019 (SBR No. 20190001), within 30 days of December 31, 2018, the end of the 12-month reporting period.

All reporting requirements are completed and submitted in accordance with Section B110.

A607 Asphalt Production – Other

A. Asphalt Plant Baghouse – Differential Pressure

Requirement: The baghouse shall be equipped with a device to continually measure the pressure drop across the baghouse.

Monitoring: The permittee shall monitor the differential pressure (inches of water) across the filters by the use of a differential pressure gauge. Pressure gauge readings and the time period the rotary dryer drum operates shall be recorded by a datalogger each time the rotary dryer drum is operating. The pressure data shall confirm whether the filter(s) are operating within the unit's specifications.

Recordkeeping: The permittee shall manually record the baghouse pressure drop readings at least once each day the rotary drum dryer operates and maintain records of all baghouse differential pressure readings in accordance with Section B109.

Reporting: The permittee shall submit reports described in Section A109 and in accordance with Section B110.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement: The baghouse is equipped with a magnehelic gauge connected to a data-logger to continually monitor the differential pressure across the baghouse.

Monitoring: The differential pressure data is used to confirm proper operation of the baghouse. The differential pressure is measured during rotary dryer drum operation as described below:

1. A datalogger records differential pressure readings every two minutes and transmits the pressure drop data through a leased phoneline to a remote terminal unit.
2. A chart recorder records differential pressure readings and serves as a backup when there is a problem with the remote data-transmission phone communication.
3. The asphalt plant operator manually records the differential pressure readings at each start-up and shut-down daily.

Recordkeeping: Recordkeeping conditions are met using a datalogger, backup chart recorder, and operator's differential pressure entries at the start and end of each operation daily. A backup chart recorder captured baghouse pressure drop data when the phone-line communciation did not work. The daily pressure drop data for days of plant operation and backup charts are located in ATTACHMENT A607.A. Please note, the Asphalt Plant did not operate in January, so no pressure data/chart recorder is provided. Records are maintained in accordance with Section B109.

Reporting: Emissions and monitoring reports are submitted on a six-month basis and compliance certification is submitted on an annual basis in accordance with permit conditions A109 and B110. For

more information, see comments in Section A605 of this report.

A607 Asphalt Production – Other

B. Asphalt Plant Baghouse - Stack Height (Unit TA-60-BDM)

Requirement: The rotary dryer/baghouse exhaust stack shall be no less than 10 meters in height.

Monitoring: N/A

Recordkeeping: The permittee shall maintain records in accordance with Section B109.

Reporting: The permittee shall submit reports described in Section A109 and in accordance with Section B110.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement: The height of the asphalt plant stack has been measured and is no less than 10 meters. The stack is a permanent structure attached to the baghouse fan outlet and its height does not change.

Recordkeeping: Records are maintained in accordance with Section B109.

Reporting: Emissions and monitoring reports are submitted on a six-month basis and compliance certification on an annual basis in accordance with permit conditions A109 and B110. For more information, see comments in Section A605 of this report.

A607 Asphalt Production – Other

C. Asphalt Plant Baghouse – Opacity

Requirement: Visible emissions from the rotary dryer/baghouse exhaust stack shall not exhibit an opacity of 20% or greater averaged over a (6) minute period.

Monitoring: During periods of drum dryer operation, the permittee shall perform six (6) minute opacity readings on the rotary dryer/baghouse stack. Opacity readings shall be performed at least once per month during any month the drum dryer operates. The observations shall be conducted according to 40 CFR 60, Appendix A, Method 9.

Recordkeeping: The permittee shall maintain records of all opacity observations and in accordance with Section B109.

Reporting: The permittee shall submit reports described in Section A109 and in accordance with Section B110.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement/Monitoring: LANL has certified visible emissions (opacity) readers on-site who perform monthly six (6) minute opacity readings using the procedures in 40 CFR Part 60, Appendix A, Reference Method 9 to determine compliance with the opacity limitation. No visible emissions exhibited an opacity of 20% or greater during this reporting period. Method 9 opacity reports for this certification period are provided in ATTACHMENT A607.C. Please note, the Asphalt Plant did not operate in January, so no opacity reading was taken.

Recordkeeping: Records are maintained in accordance with Section B109.

Reporting: Emissions and monitoring reports are submitted on a six-month basis and compliance certification on an annual basis in accordance with permit conditions A109 and B110. For more information, see comments in Section A605 of this report.

A607 Asphalt Production – Other

D. Asphalt Plant Baghouse – Fines Cleanout

Requirement: The permittee shall sequester or remove particulates collected by the control equipment to prevent wind-blown particulate emissions. Recycled baghouse fines shall be recycled into the drum mixer via a closed-loop system.

Monitoring: N/A

Recordkeeping: The permittee shall maintain records in accordance with Section B109.

Reporting: The permittee shall submit reports described in Section A109 and in accordance with Section B110.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement: Baghouse fines (particulates) are removed from the baghouse and cyclone by a screw conveyor. The removed fines are recycled into the asphalt production process via a closed loop system. Visible emissions from this system were not observed during this reporting period.

Recordkeeping: Records are maintained in accordance with Section B109.

Reporting: Emissions and monitoring reports are submitted on a six-month basis and compliance certification is submitted on an annual basis in accordance with permit conditions A109 and B110. For more information, see comments in Section A605 of this report.

A607 Asphalt Production – Other

E. Asphalt Plant Production Rate (Unit TA-60-BDM)

Requirement: To avoid Compliance Assurance Monitoring (CAM) requirements under 40 CFR 64, the asphalt plant shall limit uncontrolled potential PM emissions by limiting asphalt production to less than or equal to 6,000 tons per year.

Monitoring: The permittee shall monitor the total daily production rate.

Recordkeeping: The permittee shall calculate a weekly rolling, 12-month total production rate and maintain records in accordance with Section B109.

Reporting: The permittee shall submit reports described in Section A109 and in accordance with Section B110.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement: The asphalt plant production rate did not exceed 6,000 tons per year.

Monitoring: Asphalt production is monitored and recorded on a daily basis. The weekly rolling 12-month total is calculated and compared to the production limit set in this permit condition. Asphalt production amount is recorded daily in an operation log. The asphalt production rate for this certification period did not exceed 6,000 tons per year. The daily operation logs and 12-month rolling totals are provided in ATTACHMENT A607.E. Please note, the Asphalt Plant did not operate in January, so no operation log is provided.

Recordkeeping: Records are maintained in accordance with Section B109.

Reporting: Emissions and monitoring reports are submitted on a six-month basis and compliance certification is submitted on an annual basis in accordance with permit conditions A109 and B110. For more information, see comments in Section A605 of this report.

A607 Asphalt Production – Other

F. Asphalt Plant Operations – General

Requirement: The permittee shall:
1) Install, operate, and maintain equipment in accordance with standard operating procedures, and
2) equip and operate the asphalt processing equipment such as screens, conveyor belts, and conveyor transfer points with dust control systems to control particulate matter emissions, and
3) operate the Plant in accordance with NSR Permit GCP-3-2195G, Section III, A, B, C, D, E, F, and H.
4) Ensure that no visible emissions from the facility are observed crossing the perimeter of the restricted area for no more than 5 minutes during any 2 consecutive hours during facility operations.

Monitoring: The permittee shall perform all monitoring required under NSR Permit GCP-3-2195G.

Recordkeeping: The permittee shall maintain records of all standard operating procedures, records of all maintenance and/or replacement of dust control systems, and all records required under NSR Permit GCP-3-2195G, Section IV.B, and including records of actual hours of operation, records of all required monitoring, daily and weekly total asphalt production and the weekly rolling 12 month total production, number of haul truck trips daily including materials delivery and product, frequency of haul road sweeping, and copies of the applicant's proposed maintenance requirements and records demonstrating conformance with said requirements. The permittee shall maintain records of all compliance test results for total suspended particulates (TSP), particulate matter (PM10), nitrogen oxides, carbon monoxide, and records of all opacity/visible emissions observations performed.

Reporting: The permittee shall submit reports described in Section A109 and in accordance with Section B110.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement:
1) No new equipment was installed during this monitoring period. Operational and maintenance requirements are contained in internal plant procedures that are followed by plant operation staff.
2) Dust collection and control systems are in place on screens, conveyor belts, and transfer points to control particulate matter emissions.
3) The asphalt plant is operated in accordance with NSR Permit GCP-3-2195G, Section III A,B,C,D,E,F, and H.
4) Both EPA Reference Methods 9 and 22 are used at the plant to determine the extent of visible emissions. Fugitive dust emissions from the plant did not cross the property boundary or exceed the five (5) minute visible emissions limit during any two consecutive hours of operation. EPA Method 9 reports are in ATTACHMENT A607.C and EPA Method 22 reports are in ATTACHMENT A607.G. Please note, the Asphalt Plant did not operate in January, so no opacity reading was taken.

Monitoring: Preventive maintenance records are included in ATTACHMENT A607.F.

Recordkeeping: Recordkeeping conditions are met using the following methods: Standard operating procedures are in place and available on site; maintenance and calibrations are performed annually. The maintenance inspection was completed on April 29, 2019, and calibration is scheduled between July 1 - December 31, 2019. The plant's operations logs contain the start time, stop time, daily and monthly hours of operation; asphalt production amounts; day when paved road was swept; and the number of truck trips. The rolling 12-month totals for production are calculated on the emissions calculation spreadsheet. The operation logs and rolling 12-month totals are provided in ATTACHMENT A607.E. Please note, the Asphalt Plant did not operate in January, so no operation log is provided. Records located at the facility include fuel delivery tickets for fuel oil and asphalt oil, frequency of road sweeping, calibration procedures, and a procedure that outlines required maintenance.

All compliance test results have been provided to NMED and are available on site.

Reporting: Emissions and monitoring reports are submitted on a six-month basis and compliance certification is submitted on an annual basis in accordance with permit conditions A109 and B110. For more information, see comments in Section A605 of this report.

A607 Asphalt Production – Other

G. Asphalt Plant Fugitive Dust

Requirement: Fugitive dust emissions from asphalt processing equipment, including the system used to recycle fabric filter fines, shall exhibit no more than five (5) minutes of visible emissions during any two consecutive hours. This condition does not apply to fugitive dust emissions from other support operations such as storage piles, front end loaders, or materials handling around the asphalt process equipment.

Monitoring: The permittee shall perform a Method 22 test at least once per month on all screens, conveyor drop points, and hoppers during the months the asphalt plant operates. The duration of the test shall be a minimum of ten (10) minutes. If visible emissions are observed for more than two (2) minutes, the Method 22 test shall continue for two (2) hours or until scheduled operation of the plant ends.

Recordkeeping: The permittee shall maintain records of all equipment standard operating procedures, records of all maintenance and/or replacement of dust control systems, results of all visible emissions observations, and all records required under NSR Permit GCP-3-2195G.

Reporting: The permittee shall submit reports described in Section A109 and in accordance with Section B110.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement: The asphalt plant did not emit fugitive dust that exceeded five (5) minutes of visible emissions during any two (2) consecutive hours in this reporting period.

Monitoring: EPA Method 22 tests are performed once per month when the plant operates. The EPA Method 22 readings for this monitoring period are provided in ATTACHMENT A607.G. Please note, the Asphalt Plant did not operate in January, so no opacity reading was taken. LANL has certified visible emission (opacity) readers on-site who perform monthly ten (10) minute readings using 40 CFR Part 60, Appendix A, Reference Method 22 to determine compliance with the opacity limitation. No visible emissions exhibited an opacity of 20% or greater during this reporting period.

Recordkeeping: The standard operating procedure, maintenance and repair records, and visible emissions observations are maintained at the plant site. All other records required under the NSR permit are also available on site.

Reporting: Emissions and monitoring reports are submitted on a six-month basis, and compliance certification on an annual basis, in accordance with permit conditions A109 and B110. For more information, see comments in Section A605 of this report.

A707 Other – Beryllium Activities

A. Operational Requirements – Beryllium Activities

Source	Operating Requirements	Process Limits	Control Equipment Requirements
Sigma Facility TA-3-66	Beryllium operations will consist of registered metallographic operations, electroplating /chemical milling, and relocated machining, and arc melting/casting sources.	None	Metallographic operations and electroplating /chemical milling operations shall be conducted in aqueous solution or lubricant bath. Emissions from machining and arc melting/casting operations shall be exhausted through a HEPA filtration system prior to entering the atmosphere.
Beryllium Technology Facility TA-3-141	The continuous emission monitor will be maintained in accordance with the Laboratory's quality program.	Beryllium processed by the facility will not exceed 10,000 pounds per calendar year. Beryllium processed by the facility will not exceed 1000 pounds per day.	All processes shall be exhausted through a HEPA filtration system prior to entering the atmosphere. Powder operations, other than closed glovebox operations, and machining operations, other than the processes used in metallographic preparation shall be exhausted through a cartridge filtration system then through the HEPA filtration system. Metallographic preparation activities shall be conducted in lubricating baths or equivalent. (NSR permit 634-M2)
Target Fabrication Facility TA-35-213	Beryllium operations will consist of only beryllium machining and associated cleanup activities.	None	All processes shall be exhausted through a HEPA filtration system prior to entering the atmosphere.
Plutonium Facility TA-55-PF4	Regulated beryllium activities will be ducted through the pollution	44 pounds of beryllium (20 kg) in any 24 hour period;	Weld cutting, weld dressing, metallography, and electric furnace operations shall be

	control equipment and out the north or south stack of PF-4. (NSR Permit 1081-M1-R3, Specific Condition 1.b., partial, revised) The electric furnace shall be enclosed in a glove box, have a maximum operating temperature of 1600 degrees centigrade, and an inside volume space less than 1.1 cubic feet. (NSR Permit 1081-M1-R6, Specific Condition 1.d., partial, revised)	1100 pounds/year (500 kg/year) using a rolling total. (NSR Permit 1081-M1-R3, Specific Condition 1.c.)	controlled with 4 HEPA filters with a control efficiency of 99.95% each. (NSR Permit 1081-M1-R1, Condition 3, partial, revised) The non-accessible filters shall be replaced when the pressure drop across the filter either falls to levels indicating filter breakthrough or increases to levels indicative of excessive loading. (NSR Permit 1081-M1-R1, Condition 3, partial, revised)

B. Emissions Monitoring Requirements – Beryllium Activities

Source	Monitoring Requirements
Sigma Facility TA-3-66	A log shall be maintained during operations, which shows the number of metallographic specimens used in the metallographic operation and the weight or volume of Be samples processed in the electroplating/chemical milling, machining, and arc melting/casting operations.
Beryllium Technology Facility TA-3-141	Facility exhaust stack will be equipped with a continuous emission monitor used to measure beryllium emissions. Cartridge and HEPA filters shall be equipped with differential pressure gauges that measure the differential pressure across the cartridge and HEPA filters while the exhaust fans are in operation. (NSR permit 634-M2)
Target Fabrication Facility TA-35-213	Records of the stack emission test results (see Condition 2 of NSR Permit No. 632) and other data needed to determine total emissions shall be retained at the source and made available for inspection by the Department.
Plutonium Facility TA-55-PF4	The HEPA filtration systems shall be equipped with a differential pressure gauge that measures the differential pressure (inches of water) across the HEPA filters while the exhaust fans are in operation. (NSR Permit 1081-M1-R3, Condition 11) Control efficiency shall be verified by daily HEPA filter pressure drop tests and annual HEPA filter challenge tests of accessible filters. (NSR Permit 1081-M1-R1, Condition 3, partial, revised)

	The furnace temperature shall be continuously monitored and the flow rate from the glove box containing the furnace shall be measured once during each metal melt operation. (NSR Permit 1081-M1-R6, Condition 11, revised)

C. Recordkeeping Requirements – Beryllium Activities

Source	Recordkeeping Requirements
Sigma Facility TA-3-66	Recordkeeping for this source is specified in Condition A707.B.
Beryllium Technology Facility TA-3-141	Generate and maintain beryllium inventory records to demonstrate compliance with the 10,000 pounds of beryllium per calendar year and the 1000 pounds of beryllium per day processing limit. Record pressure drop across the cartridge and HEPA filters once per day that the exhaust fans are in operation and the facility is occupied. Record control equipment maintenance and repair activities. (NSR permit 634-M2)
Target Fabrication Facility TA-35-213	Recordkeeping for this source is specified in Condition A707.B.
Plutonium Facility TA-55-PF4	Stack emission test results and facility operating parameters including a daily record of the pressure drop measured across each appropriate HEPA plenum filtration stage, when the exhaust fans are operating. (NSR Permit 1081-M1-R3, Condition 9, partial, revised) A copy of the annual HEPA test, a log of the daily pressure drop readings and a control equipment maintenance log shall be kept. This documentation shall be provided upon request. (NSR Permit 1081-M1-R1, Condition 3, partial, revised) A log of the filter replacement shall be kept and shall be made available to the Department personnel upon request. (NSR Permit 1081-M1-R1, Condition 3, partial, revised) The permittee shall keep records of the number and weight of classified parts processed during a 24-hour period and year using a rolling total. Records shall be made available to properly cleared Department personnel upon request. (NSR Permit 1081-M1-R3, Condition 9, partial, revised) The permittee shall for each use of the furnace record the following operating parameters: metal type, theoretical melting point of the metal, metal melt duration once melting is commenced, maximum furnace temperature and glove box flow rate.

	(NSR Permit 1081-M1-R6, Condition 9, partial, revised) A record of the furnace's internal volume shall be maintained at the facility. (NSR Permit 1081-M1-R6, Condition 9, partial, revised)

D. Reporting Requirements – Beryllium Activities

Source	**Reporting Requirements**
Sigma Facility TA-3-66	The permittee shall submit reports described in Section A109 and in accordance with Section B110.
Beryllium Technology Facility TA-3-141	Anticipated date of initial startup of each new or modified source not less than thirty (30) days prior to the date. Actual date of initial startup of each new or modified source within fifteen (15) days after the startup date. Provide the date when each new or modified emission source reaches the maximum production rate at which it will operate within fifteen (15) days after that date. Notify the Department within 60 days after each calendar quarter of the facility's compliance status with the permitted emission rate from the continuous monitoring system. Provide any data generated by activities described in the Quality Assurance Project Plan (QAPP) that will assist the Air Quality Bureau's Enforcement Section in determining the reliability of the methodology used for demonstrating compliance with the permitted emission rate within 45 days of such a request. The permittee shall submit reports described in Section A109 and in accordance with Section B110.
Target Fabrication Facility TA-35-213	The permittee shall submit reports described in Section A109 and in accordance with Section B110.
Plutonium Facility TA-55-PF4	Stack emission test results and facility operating parameters will be made available to Department personnel upon request. Reports may be required to be submitted to the Department if inspections of the source indicate noncompliance with this permit or as a means of determining compliance. The permittee shall submit reports described in Section A109 and in accordance with Section B110.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☒ **Yes** **Date report submitted:** February 6, 2019; May 7, 2019 **Tracking Number:** SBR20190003; SBR20190006.

☐ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: A707.A Operational Requirements - Beryllium Activities:

TA-3-66 Metallographic operations and electroplating/chemical milling operations are conducted in aqueous solution or lubricant bath. Emissions from machining and arc melt/casting operations are exhausted through a HEPA filtration system prior to entering the atmosphere.

TA-3-141 The continuous emission monitor is maintained in accordance with LANL's quality program. Beryllium processing records are available on-site for inspection. No process limits were exceeded during this reporting period.

All processes are exhausted through a HEPA filtration system prior to entering the atmosphere. Powder operations, other than closed glovebox operations, and machining operations, other than the processes used in metallographic preparation, are exhausted through a cartridge filtration system and then through the HEPA filtration system. Metallographic preparations are conducted in lubricating baths or equivalent.

TA-35-213 All processes are exhausted through a HEPA filtration system prior to entering the atmosphere. Beryllium operations consist of only beryllium machining and associated cleanup activities.

TA-55-PF4 All beryllium activities are ducted through the facility's pollution control equipment and out the north or south stack of PF-4. Weld cutting, weld dressing, and metallography operations are controlled using four (4) HEPA filters with a control efficiency of 99.95% each. The non-accessible filter is replaced when the pressure differential across the filter indicates breakthrough or excessive loading.

No process limits were exceeded during this reporting period.

The electric furnace did not operate during this reporting period.

A707.B - Emissions Monitoring Requirements - Beryllium Activities:

TA-3-66 Log books are maintained for the number of metallographic specimens used in the metallographic operation and the weight or volume of samples processed in the electroplating/chemical milling, machining, and arc melting/casting operations. The log books are kept on-site and are available for inspection. Data from the log books are included in ATTACHMENT A707.B.a.

TA-3-141 The facility exhaust stack has a built-in sampling system used to continuously sample beryllium emissions. Cartridge and HEPA filters are equipped with differential pressure gauges that measure differential pressure when exhaust fans are operating.

TA-35-213 A copy of stack emission test results as well as other data needed to determine total emissions are retained at the source and are available for inspection. Log books documenting beryllium processing are on-site and are available for inspection. Data from the beryllium processing logs are included in ATTACHMENT A707.B.b.

TA-55-PF4 The HEPA filtration system contains a differential pressure gauge that measures differential pressure across the HEPA filters while the exhaust fans are in operation. The control efficiency is verified by daily HEPA filter pressure drop tests. Annual HEPA filter challenge tests are performed to verify filter control efficiency. The HEPA filter challenge tests are scheduled for the second half of 2019. See ATTACHMENT A707.C.b.

The electric furnace did not operate during this reporting period.

A707.C Recordkeeping Requirements - Beryllium Activities:

TA-3-66 Recordkeeping for this source is specified in Condition A707.B.

TA-3-141 Inventory records are maintained to demonstrate compliance with beryllium process limits. Records of pressure drop across the cartridge and HEPA filters are performed daily when the exhaust fans are in operation and the facility is occupied. Control equipment maintenance and repair activities are recorded. HEPA filter differential pressure readings are included in ATTACHMENT A707.C.a.

TA-35-213 Recordkeeping for this source is specified in Condition A707.B.

TA-55-PF4 A copy of the stack emission test results are retained at the source and available for inspection. HEPA filter challenge tests are performed annually. Daily differential pressure readings are provided in ATTACHMENT A707.C.c. Filter replacement and control equipment maintenance and repair records are kept and available on site for inspection. Process records are available that contain the number and weight of classified parts processed during a 24-hour period and annual rolling total.

The electric furnace did not operate during this reporting period.

A707.D Reporting Requirements - Beryllium Activities:

For all beryllium sources, reports are submitted in accordance with permit conditions A109 and in accordance B110. For more information, see Section A605 in this report.
There were no new or modified emission sources during the reporting period.
TA-3-141 Quarterly beryllium reports, containing continuous monitoring system data from the Beryllium Technology Facility, are also submitted to NMED. Reports during this reporting period were submitted within 60 days following each calendar quarter. The reports were submitted on February 6, 2019 for 2018Q4 (SBR20190003) and May 7, 2019 for 2019Q1 (SBR20190006).

A805 Fuel Sulfur Requirements – External Combustion

A. All Boilers and Heaters (except Units RLUOB-BHW-1 through -4)

Requirement: All boilers and heaters, except Units RLUOB-BHW-1 through -4 and the Power Plant addressed in Section A1300 shall combust only natural gas containing no more than 2 grains of total sulfur per 100 dry standard cubic feet.

Monitoring: None.

Recordkeeping: The permittee shall demonstrate compliance with the natural gas limit on total sulfur content by maintaining records of a current, valid purchase contract, tariff sheet or transportation contract for the gaseous fuel, or fuel gas analysis, specifying the allowable limit or less. If fuel gas analysis is used, the analysis shall not be older than one year.

Reporting: The permittee shall submit reports described in Section A109 and in accordance with Section B110.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement: A natural gas transportation contract is in place, and states that gas provided to LANL will be pipeline quality and contain no more than three quarters (3/4) grains of total sulfur per one hundred (100) dry standard cubic feet.

Recordkeeping: A copy of LANL's natural gas transportation contract is maintained on-site.

Reporting: Emissions and monitoring reports are submitted on a six-month basis and compliance certification on an annual basis in accordance with permit conditions A109 and B110. For more information, see comments in Section A605 of this report.

A805 Fuel Sulfur Requirements – External Combustion

B. Units RLUOB-BHW-1 through -4

Requirement: Units RLUOB-BHW-1 through -4 shall combust either natural gas containing no more than 2.0 grains of total sulfur per 100 dry standard cubic feet or No. 2 fuel oil containing no more than 0.5 wt% total sulfur. (NSR Permit 2195N-R2, Specific Condition 1.c.)

Monitoring: None.

Recordkeeping: The permittee shall demonstrate compliance with the natural gas limit and/or fuel oil limit on total sulfur content by maintaining records of a current, valid purchase contract, tariff sheet or transportation contract for the gaseous or liquid fuel, or fuel analysis, specifying the allowable limit or less. If a fuel analysis is used, the analysis shall not be older than one year. (NSR Permit 2195N-R2, Specific Condition 3.c., revised) Alternatively, compliance may be demonstrated by keeping a receipt or invoice from a commercial fuel supplier with each fuel delivery, which shall include the delivery date, the fuel type delivered, and amount of fuel delivered, and the maximum sulfur content of the fuel.

Reporting: The permittee shall submit reports described in Section A109 and in accordance with Section B110.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement: A natural gas transportation contract is in place, and states that gas provided to LANL will be pipeline quality and contain no more than three quarters (3/4) grains of total sulfur per one hundred (100) dry standard cubic feet.

Fuel oil is under a purchase contract and only Ultra Low Sulfur Diesel (ULSD) is delivered to the facility. ULSD contains less than 0.0015 wt% total sulfur.

Recordkeeping: A copy of the transportation contract and purchase contract are maintained on-site. No fuel oil was purchased for the RLUOB boilers during this reporting period.

Reporting: Emissions and monitoring reports are submitted on a six-month basis, and compliance certification is submitted on an annual basis in accordance with permit conditions A109 and B110. For more information, see comments in Section A605 of this report.

A806 20.2.61 NMAC Opacity – External Combustion

A. All Boilers and Heaters (except Units RLUOB-BHW-1 through -4)

Requirement: Exhaust emissions from these external combustion sources shall not exceed 20% opacity averaged over a 10-minute period.

Monitoring: Use of natural gas fuel meeting the requirement at Condition A805.A constitutes compliance with 20.2.61 NMAC unless opacity exceeds 20% averaged over a 10-minute period. When any visible emissions are observed during steady state operation and are determined to be not due to condensed water vapor only, opacity shall be measured over a 10-minute period, in accordance with the procedures at 40 CFR 60, Appendix A, Method 9 as required by 20.2.61.114 NMAC.

Recordkeeping: The permittee shall record dates of any opacity measurements and the corresponding opacity readings.

Reporting: The permittee shall report dates of any opacity measurements and the corresponding opacity readings. The permittee shall submit reports described in Section A109 and in accordance with Section B110.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement: LANL has certified visible emission readers on-site who perform observations using 40 CFR 60, Appendix A, Method 9 to determine compliance with the opacity limitation. No visible emissions were observed during steady state operations during this reporting period.

Monitoring: Use of natural gas for combustion meets the requirement at Condition A805.A.

Recordkeeping: A standard form is used for all opacity measurements. The form includes the date of measurement and opacity observed. Opacity readings were not required during this reporting period. See ATTACHMENT A806.A.

Reporting: Emissions and monitoring reports are submitted on a six-month basis and compliance certification is submitted on an annual basis in accordance with permit conditions A109 and B110. For more information, see comments in Section A605 of this report.

A806 20.2.61 NMAC Opacity – External Combustion

B. Units RLUOB-BHW-1 through -4: Natural Gas-Fired

Requirement: Exhaust emissions from these external combustion sources shall not exceed 20% opacity averaged over a 10-minute period.

Monitoring: Use of natural gas fuel meeting the requirement at Condition A805.A constitutes compliance with 20.2.61 NMAC unless opacity exceeds 20% averaged over a 10-minute period. When any visible emissions are observed during steady state operation and are determined to be not due to condensed water vapor only, opacity shall be measured over a 10-minute period, in accordance with the procedures at 40 CFR 60, Appendix A, Method 9 as required by 20.2.61.114 NMAC.

Recordkeeping: The permittee shall record dates of any opacity measurements and the corresponding opacity readings.

Reporting: The permittee shall report dates of any opacity measurements and the corresponding opacity readings. The permittee shall submit reports described in Section A109 and in accordance with Section B110.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement: LANL has certified visible emission readers on-site who perform observations using 40 CFR 60, Appendix A, Method 9 to determine compliance with the opacity limitation. No visible emissions were observed during steady state operations during this reporting period.

Monitoring: The natural gas used by these units meets the requirement of Condition A805.A.

Recordkeeping: A standard form is used for all opacity measurements. The form includes the date of measurement and opacity observed. No opacity readings were required during this reporting period.

Reporting: Emissions and monitoring reports are submitted on a six-month basis and compliance certification on an annual basis in accordance with permit conditions A109 and B110. For more information, see comments in Section A605 of this report.

A806 20.2.61 NMAC Opacity – External Combustion

C. Units RLUOB-BHW-1 through -4: Fuel Oil-Fired

Requirement: Exhaust emissions from these external combustion sources shall not exceed 20% opacity averaged over a 10-minute period.

Monitoring: The permittee shall perform a least one (1) opacity observation each day that fuel oil is used to fire any of Units RLUOB-BHW-1 through -4. Opacity shall be measured over a 10-minute period, in accordance with the procedures at 40 CFR 60, Appendix A, Method 9 as required by 20.2.61.114 NMAC. (NSR Permit 2195N-R2, Specific Condition 3.d., revised)

Recordkeeping: The permittee shall record dates of any opacity measurements and the corresponding opacity readings. (NSR Permit 2195N-R2, Specific Condition 4.b., revised)

Reporting: The permittee shall report dates of any opacity measurements and the corresponding opacity readings. The permittee shall submit reports described in Section A109 and in accordance with Section B110.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement: LANL has certified visible emission readers on-site who perform observations using 40 CFR 60, Appendix A, Method 9 to determine compliance with the opacity limits.

Monitoring: No fuel oil was used in these units during this reporting period. No opacity measurements were taken during this reporting period.

Recordkeeping: The opacity form includes the date of measurement and opacity observed. No fuel oil was burned during this reporting period, and therefore, no opacity readings were taken and no records were generated. See ATTACHMENT A806.C. for details.

Reporting: Emissions and monitoring reports are submitted on a six-month basis and compliance certification submitted on an annual basis in accordance with permit conditions A109 and B110. For more information, see comments in Section A605 of this report.

A807 Other – External Combustion

A. Natural Gas Fuel Usage (Sources listed in Table 800.A except RLUOB-BHW-1 through -4)

Requirement: The combined natural gas fuel usage shall be limited to 870 MMscf/y. This limitation shall apply to all boilers and heaters listed in Table 800.A except Units RLUOB-BHW-1 through -4, but including all other boilers and heaters at the Facility that qualify as Title V Insignificant Activities.

Monitoring: The permittee shall monitor the monthly total volumetric flow of natural gas to Units TA-55-6-BHW-1 and TA-55-6-BHW-2 through use of a totalizing flow meter.

Recordkeeping: The permittee shall:
1) Calculate the monthly rolling 12-month total natural gas fuel usage for the emission units listed in Table 800.A except Units RLUOB-BHW-1 through -4.
2) Calculate the actual emissions rate for the emission units listed in Table 800.A except Units RLUOB-BHW-1 through -4. The calculation shall be based on the actual fuel usage of Units equipped with individual flow meters and the Facility-Wide metered or estimated natural gas usage.
3) Calculate the semiannual and annual total emissions rate (tons/year) for this source category and compare them to the emission limits in Table 802.A. The permittee shall maintain records in accordance with Section B109.

Reporting: The permittee shall submit reports described in Section A109 and in accordance with Section B110.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement: For units listed under this permit condition, a 12-month rolling total of natural gas used is calculated and recorded each month. The rolling total is compared to the fuel use limit each month. Natural gas usage limits were not exceeded during this reporting period. Natural gas usage and rolling totals are provided in ATTACHMENT A807.A.

Monitoring: Units TA-55-6-BHW-1 and TA-55-6-BHW-2 have volumetric flow meters in place to monitor monthly natural gas use. Fuel use information for the TA-55 units listed in this condition is included in ATTACHMENT A807.A.

Recordkeeping:
1) Monthly rolling 12-month total natural gas fuel use is calculated for the permitted units.
2) The actual emission rate is calculated for the units listed in Table 800.A. This calculation uses actual fuel use data from individual unit flow meters and facility wide metered natural gas.
3) The emissions rate is calculated every six months and annually for this source category, and compared to the permit limits. Records are maintained in accordance with Section B109.

Reporting: Emissions and monitoring reports are submitted on a six-month basis and compliance certification on an annual basis in accordance with permit conditions A109 and B110. For more information, see comments in Section A605 of this report.

A807 Other – External Combustion

B. Natural Gas and Fuel Oil Usage (Units RLUOB-BHW-1 through -4)

Requirement: The permittee shall comply with the emission limits in Table 802.B for each fuel type.

Monitoring: The permittee shall:
1) Monitor the monthly total volumetric flow of natural gas to Units RLUOB-BHW-1 through -4 using a totalizing flow meter. (NSR Permit 2195N-R2, Specific Condition 3.a., partial, revised)
2) Monitor the daily fuel oil consumption during which any of the 4 RLUOB boilers are fired with this fuel type. (NSR Permit 2195N-R2, Specific Condition 3.a, partial, revised)
3) Monitor the hours of operation for each boiler when fired on fuel oil and during non-emergency maintenance and readiness testing.

Recordkeeping: The permittee shall:
1) Calculate and record the annual fuel oil usage for Units RLUOB-BHW-1 through -4 as a daily rolling 365-day total.
2) Calculate and record the semiannual and calendar year total emissions rate (tons/year) for each fuel type and for the combination of both fuels compare to the emission limits in Table 802.B.
3) Record the annual hours of operation of each boiler when fired on fuel oil during non-emergency maintenance and readiness testing and compare to the limitation at Condition A804.B.
4) The permittee shall maintain records in accordance with Section B109.

Reporting: The permittee shall submit reports described in Section A109 and in accordance with Section B110.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement: The initial compliance test was used to demonstrate compliance with the emission limits for natural gas use. Vendor data are also used to determine compliance with emission limits for fuel oil and natural gas. All concentrations and emission rates were below permitted limits in Table 802.B.

Monitoring:
1) A totalizing flow meter is in place and measures natural gas used by the RLUOB boilers. The natural gas fuel use data is provided in ATTACHMENT A807.A.
2) Daily fuel oil consumption is monitored by facility personnel using meter readings from each boiler. No fuel oil was burned during this reporting period. See ATTACHMENT A807.B for details.
3) The hours of operation of each boiler are recorded by facility personnel each time a boiler is run on fuel oil. The purpose of running the boilers is also recorded.

Recordkeeping:

1) Annual fuel oil usage is calculated and recorded on a daily rolling 365-day total. No fuel oil was burned during this reporting period.
2) The emissions rate is calculated on a six-month and annual basis for each fuel type and for both fuels combined. Emissions are compared to permit limits and data are provided to NMED in accordance with permit condition A109.
3) Annual hours of operation for each boiler are recorded when fired on fuel oil during non-emergency use. The total hours are compared to the hour limit in permit condition A804.B. No fuel oil was used during this certification period and no records were generated.
4) Records are maintained and submitted in accordance with permit conditions A109 and B110.

Reporting: Emissions and monitoring reports are submitted on a six-month basis and compliance certification on an annual basis in accordance with permit conditions A109 and B110. For more information, see comments in Section A605 of this report.

A807 Other – External Combustion

C. 40 CFR 60, Subpart Dc (Units TA-55-6-BHW-1, TA-55-6-BHW-2, RLUOB-BHW-1 through -3)

Requirement: The units are subject to 40 CFR 60, Subpart Dc and the permittee shall comply with the following applicable requirements:
1. When combusting oil in the affected boilers, meet the 0.5 weight percent fuel sulfur standard in 40 CFR 60.42c(d). This standard applies at all times per §60.42c(i). The permittee shall demonstrate compliance per the requirements of §60.42c(h).

Monitoring: The permittee shall comply with the fuel supplier certification requirements in 40 CFR 60.46c(e). The permittee shall monitor fuel usage to meet the recordkeeping requirements of 40 CFR 60.48c(g).

Recordkeeping: The permittee shall comply with the recordkeeping requirements of 40 CFR 60.48c(c), (f) and (g) 40 CFR 60.7(b) and (f) and maintain the records according to §60.48c(i) except when records are required to be maintained for a longer time period in accordance with Section B109.

Reporting: The permittee shall comply with the initial notification requirements of 40 CFR 60.48c(a) and 40 CFR 60.7(a)(1), (a)(4) and (g) and the periodic reporting requirements of 40 CFR 60.48c(b), (d), (e)(11) and (f). Reports shall be submitted according to §60.48c(j). The reporting period may be modified to coincide with the Semi-Annual reporting period in Section A109. The permittee shall report in accordance with Section B110.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement: Units TA-55-6-BHW-1, TA-55-6-BHW-2, RLUOB-BHW-1, RLUOB-BHW-2, and RLUOB-BHW-3 meet the requirements of 40 CFR Part 60, Subparts A and Dc. Notification requirements were met through source startup notifications and initial permit applications.

Monitoring: The amount of fuel oil combusted is monitored and recorded on a monthly basis. Fuel sulfur requirements are tracked and addressed in a fuel oil purchase contract, delivery receipts, and the natural gas transportation contract. No fuel oil was purchased during this reporting period.

Recordkeeping: Fuel sulfur content information and fuel use records are maintained on site for at least five (5) years as required by the operating permit.

Reporting: Emissions and monitoring reports are submitted on a six-month basis and compliance certification on an annual basis in accordance with permit conditions A109 and B110. For more information, see comments in Section A605 of this report.

A807 Other – External Combustion

D. 40 CFR 60, Subpart Dc (New Unit RLUOB-BHW-4)

Requirement: This unit is subject to 40 CFR 60, Subpart Dc and the permittee shall comply with the following applicable requirements:
1. When combusting oil in the affected boilers, meet the 0.5 weight percent fuel sulfur standard in 40 CFR 60.42c(d), and (g). This standard applies at all times per §60.42c(i). The permittee shall demonstrate compliance per the requirements of §60.42c(h).
2. For new boiler RLUOB-BHW-4, the permittee shall demonstrate initial compliance with the SO2 standard through a certification from the fuel supplier per 40 CFR 60.44c(h).

Monitoring: The permittee shall comply with the fuel supplier certification requirements in 40 CFR 60.46c(e).
The permittee shall monitor fuel usage to meet the recordkeeping requirements of 40 CFR 60.48c(g).

Recordkeeping: The permittee shall comply with the recordkeeping requirements of 40 CFR 60.48c(c), (f) and (g) and 40 CFR 60.7(b) and (f) and maintain the records according to §60.48c(i) except when records are required to be maintained for a longer time period in accordance with Section B109.

Reporting: The permittee shall comply with the initial notification requirements of 40 CFR 60.48c(a) and 40 CFR 60.7(a)(1), (a)(3) and (g) and the periodic reporting requirements of 40 CFR 60.48c(b), (d), (e)(11) and (f). Reports shall be submitted according to §60.48c(j). The reporting period may be modified to coincide with the Semi-Annual reporting period in Section A109.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement: LANL purchases only fuel oil with ultra low sulfur content; fuel oil was not used during this reporting period. See ATTACHMENT 807.C.& D. for details.

RLUOB-BHW-4 has not been installed. When installed, the requirements, monitoring, recordkeeping and reporting will be conducted in accordance with the requirements listed in the current permit.

A807 Other – External Combustion

E. Initial Compliance Testing (Units RLUOB-BHW-4)

Requirement: Initial compliance tests are required for boiler, Unit RLUOB-BHW-4. The tests shall be conducted for NOx and CO while burning natural gas fuel only. This condition applies only if boiler Unit RLUOB-BHW-4 is not an identical make and model to boiler units RLUOB-BHW-1 through -3. (NSR Permit 2195N-R2, Specific Condition 6.a., revised)

Monitoring: The permittee shall conduct EPA Method tests for CO and NOx within six (6) months of any new boiler start up. Method 19 may be used for determining stack flow rates. This requirement supersedes Condition B111.A(2). Initial compliance testing shall be conducted in accordance with Section B111.

Recordkeeping: The permittee shall maintain records in accordance with Section B109.

Reporting: The permittee shall report in accordance with Section B110 and Section B111.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement: Unit RLUOB-BHW-4 has not been installed. Once installed, monitoring, recordkeeping and reporting will be conducted in accordance with the requirements listed in the current permit. See ATTACHMENT A807.E. for details.

A807 Other – External Combustion

F. Operational Inspection (Sources listed in Table 800.A)

Requirement: Compliance with the allowable emission limits in Table 802.A shall be demonstrated by performing periodic inspections to ensure proper operations.

Monitoring: The permittee shall conduct annual operational inspections to determine that the boilers are operating properly. The operational inspections shall include operational checks for indications of insufficient excess air, or too much excess combustion air. These operational checks shall include observation of common physical indications of improper combustion, including indications specified by the boiler manufacturer, and indications based on operational experience with these units.

Recordkeeping: The permittee shall maintain records of operational inspections, describing the results of all operational inspections noting chronologically any adjustments needed to bring the boilers into compliance. The permittee shall maintain records in accordance with Section B109.

Reporting: The permittee shall report in accordance with Section B110.

Within ninety (90) days of permit issuance, the permittee shall submit for Department approval a procedure which the permittee will use to carry out the operational inspections. The permittee may at any time submit revisions for Department approval.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement/Monitoring: LANL conducts annual operational inspections and preventive maintenance on the permitted boilers listed in the current permit.

Recordkeeping: The records of operational inspections and preventive maintenance are maintained in the compliance folders and e-files stored on air quality servers. No annual inspections were completed during the first half of 2019. The annual inspections are scheduled during the second half of 2019. See ATTACHMENT A807.F.

Reporting: LANL submitted a procedure that is used to carry out the operational inspections. This procedure was submitted to NMED AQB on May 13, 2015 within 90 days after permit issuance. No revisions are proposed to this procedure in this reporting period.

A907 Other – Chemical Usage

A. Emission calculations (Unit LANL-FW-CHEM)

Requirement: The permittee shall comply with the facility-wide VOC and HAP emission limits at Table 106.B.

Monitoring: The permittee shall monitor facility-wide chemical purchasing and site location using an electronic chemical tracking system. The quantity of chemicals that are vented to the atmosphere shall be estimated on a semi-annual basis, and categorized as VOC, HAP, or a combination of these categories.

Recordkeeping: The permittee shall record the quantity of total VOC emitted and the quantity of each individual and total HAPs on a semi-annual basis. These records shall be maintained in accordance with Section B109.

Reporting: The permittee shall submit reports described in Section A109 and in accordance with Section B110. With respect to individual HAPs, reports shall include any HAP emitted in a quantity greater than 0.5 tons per year.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☒ **Yes** **Date report submitted:** March 25, 2019 **Tracking Number:** SBR20190005

☐ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement: Facility-wide emissions did not exceed the VOC or HAP emission limits in Table 106.B.

Monitoring/Recordkeeping: Facility-wide chemical purchases are monitored using ChemDB, an electronic chemical tracking system. The chemical purchase information is used to calculate emissions. Chemical emission information is submitted to NMED every six months in accordance with permit condition A109.B. The semi-annual emissions report for July 1 - December 31, 2018 was submitted to NMED on March 25, 2019 (SBR20190005), within 90 days of the end of the reporting period. Records of chemical purchases for this monitoring period are provided in ATTACHMENT A907.A.

Reporting: Facility-wide VOC and HAPs emissions are calculated, recorded, and reported on a six-month basis in accordance with permit conditions A109.B, B109, and B110. The semi-annual emissions report includes individual HAPs emitted in a quantity greater than 0.5 tons per year.

A907 Other – Chemical Usage

B. Emission calculations (Unit RLUOB-CHEM)

Requirement: The permittee shall comply with the source-specific VOC emission limit at Table 902.A and the facility-wide VOC and HAP emission limits at Table 106.B. (NSR Permit 2195N-R2, Specific Condition 2.a., revised)

Monitoring: The permittee shall monitor chemical purchasing for the RLUOB-CHEM facility using an electronic chemical tracking system. The quantity of chemicals that are vented to the atmosphere shall be estimated on a monthly basis, and categorized as VOC, HAP, TAP, or a combination of these categories. (NSR Permit 2195N-R2, Specific Condition 4.c., revised)

Recordkeeping: The permittee shall record the quantity of total VOC and TAP, each individual HAP,and the total HAPs emitted on a monthly rolling, 12-month total basis. These records shall be maintained in accordance with Section B109. (NSR Permit 2195N-R2, Specific Condition 4.c., revised)

Reporting: The permittee shall submit reports described in Section A109 and in accordance with Section B110. With respect to individual HAPs, reports shall include any HAP emitted in a quantity greater than 0.5 tons per year.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement: Source specific VOC and facility-wide VOC and HAP emissions are in compliance with emission limits set in Tables 902.A and 106.B in NSR Permit 2195N-R2.

Monitoring: Chemical purchasing for the RLUOB-CHEM facility are monitored using ChemDB, an electronic chemical tracking system. Records of chemical purchases for the reporting period are provided in ATTACHMENT A907.B.a. The quantities of chemicals that are vented to the atmosphere are estimated on a monthly basis and are categorized as VOC, HAP, TAP, or a combination of these categories. The quantities of chemicals for this reporting period are provided in ATTACHMENT A907.B.b.

Recordkeeping: The quantity of total VOC and TAP, individual HAP, and the total HAPs emitted are recorded on a monthly rolling, 12–month total basis. Records are maintained in accordance with Section B109.

Reporting: Emissions and monitoring reports are submitted on a six-month basis and compliance certification on an annual basis in accordance with permit conditions A109 and B110. The semi-annual emission report includes individual HAPs emitted in a quantity greater than 0.5 tons per year. For more information, see comments in Section A605 of this report.

A1007 Other – Degreasers

A. Operational Requirements (Degreasers)

Requirement: The permittee shall comply with the applicable requirements according to 40 CFR 63, Subpart T, including, but not limited to:

1) Ensure the degreaser is closed with a tight fitting cover whenever not in use, and
2) Maintain a freeboard ratio of 0.75 or greater, and
3) Collect and store all waste solvent and wipe rags in closed containers, and
4) Perform flushing within the freeboard area only, and
5) Allow cleaned parts to drip for 15 seconds or until dripping stops, and
6) Do not exceed the fill line on the solvent level, and
7) Wipe up spills immediately, and
8) Do not create observable splashing with agitation device, and
9) Ensure that the degreaser is not exposed to drafts greater than 40 meters/min, and
10) Do not clean sponges, fabric, wood, or paper.

Monitoring: The permittee shall monitor and record the amount of solvent added to the degreaser.

Recordkeeping: The permittee shall:

1) Calculate the actual emissions rate (pounds/month) of VOC and HAPs based on the quantity of solvent lost to evaporation on a monthly basis.
2) Calculate the semi-annual emissions rate (tons/year) for this source category and add to the facility-wide emission rates in Table 106.B.
3) Maintain records of the degreaser solvent content and quantity added and work practice checklists.
4) The permittee shall maintain records in accordance with Section B109.

Reporting: The permittee shall submit reports described in Section A109 and in accordance with Section B110.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: An exemption notice was submitted on April 9, 2018 and was approved by NMED on May 8, 2018 for a non-halogenated solvent to be used in the degreaser. LANL intends to keep the flexibility to use the halogenated solvent in the future and therefore is continuing to comply with all permit requirements, regardless of which solvent is being used.

Requirement:

1) The degreaser is kept closed with a tight fitting cover when it is not being used.

2) A freeboard ratio of 0.75 or greater is maintained.

3) All waste solvent and solvent contaminated wipe rags are collected and stored in closed containers.

4) Flushing operations are performed only within the freeboard area.

5) Cleaned parts are allowed to drip for 15 seconds or until dripping stops.

6) The fill line has not been exceeded.

7) Spills are wiped up immediately.

8) Administrative controls are in place to prevent observable splashing with an agitation device.

9) The degreaser is located in a glove box with a set ventilation flow rate. Exhaust flows do not exceed 40 meters/min.

10) Sponges, fabric, wood, or paper are not cleaned in the degreaser.

Monitoring and Recordkeeping: A Degreaser Recordkeeping database is used to track the amount of degreaser solvent added, removed, and lost. This system is used to calculate emissions. The "Degreaser Solvent Usage" report for this period is provided in ATTACHMENT A1007.A.a.

1) The actual emission rate (pounds/month) of VOC and HAPs is automatically calculated by the database when data is entered on a monthly basis.

2) The semi-annual emissions (tons/year) are also calculated by the database. These emissions are included in the facility-wide totals.

3) Checklists for work practice standards have been completed for this reporting period. Records of solvent content and quantity added are maintained on site. A copy of the work practice checklists are provided in ATTACHMENT A1007.A.b.

4) Records for this source category are maintained in accordance with Section B109.

Reporting: Emissions and monitoring reports are submitted on a six-month basis and compliance certification on an annual basis in accordance with permit conditions A109 and B110. For more information, see comments in Section A605 of this report.

A1104 Operational Limitations – Internal Combustion

A. Hours of Operation and Emission Limits for Unit TA-33-G-1P

Requirements:
1) Unit TA-33-G-1P is limited to eight (8) hours of daily operation at full capacity. Operation shall occur between the hours of 7:00 AM and 5:00 PM. (NSR Permit 2195F-R4, Condition A1104.A)
2) Unit TA-33-G-1P is limited to the emissions limits stated in Table 1102.A. (NSR Permit 2195F-R4, Condition A1104.A)

Monitoring: The permittee shall monitor the time(s) of operation each day, and the daily and monthly rolling 12-month total hours of operation for Unit TA-33-G-1P using a non-resettable hour meter. Hours that do not represent hours the unit is operated at the TA-33 site may be monitored separately for subsequent subtraction from the daily and monthly rolling 12-month totals

Recordkeeping: The permittee shall maintain the following records and in accordance with Section B109:
1) The permittee shall keep records of the time(s) of operation each day, and the daily, monthly, and the monthly rolling 12-month total hours of operation of the genset listed above, as indicated on the non-resettable hour meter. The permittee may record and subtract hours of operation that do not represent operating hours at the TA-33 site.
2) The permittee shall calculate the annual emissions of all criteria and hazardous air pollutants from Unit TA-33-G-1P. The permittee may subtract emissions that are not the result of operations at TA-33.

Reporting: The permittee shall submit reports in accordance with Section B110.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement: Unit TA-33-G-1-P was moved and placed in service for an emergency power outage at TA-03-1698 in March 2019 and ran for 132.4 hours. The meter reading was 712.9 before being moved to TA-03-1698, and 845.3 when it was taken offline. The generator ran for 0.75 hours for maintenance and readiness testing from Jan 1 – June 30, 2019. Emissions are lower than the limits stated in Table 1102.A. in NSR permit 2195F-R4.

Monitoring: The times of operations are monitored and the generator is equipped with a non-resettable hour meter. The purpose of equipment use at TA-33 and elsewhere are identified in the log sheet provided in ATTACHMENT A1104.A.

Recordkeeping: A log book is located in the trailer that contains the unit. The log book includes hours of operation recorded daily when the equipment operates. The monthly rolling 12-month total hours of operation are calculated in a spreadsheet. Operations at areas outside TA-33 are recorded.
The annual emissions of criteria and HAPs are calculated based on the hours of operation.

Reporting: Reports are submitted as required by permit conditions in accordance with Section B110.

A1104 Operational Limitations – Internal Combustion

B. Hours of Operation and Emission Limits for Units TA-33-G-2 through -4

Requirements:
1) Units TA-33-G-2 through -4 are authorized to operate 500 hours per generator per calendar year. (NSR Permit 2195P, Specific Condition 1.b.)
2) Units TA-33-G-2 through -4 shall each be certified to be in compliance with applicable non-road emission standards in 40 CFR 89. (NSR Permit 2195P, Specific Condition 1.c.)

Monitoring: The permittee shall monitor the total hours of operation for each genset, Units TA-33-G-2 through -4, using a non-resettable hour meter.

Recordkeeping: The permittee shall:
1) Record the total hours operation of the gensets listed above, as indicated on the non-resettable hour meter. (NSR Permit 2195P, Specific Condition 4.a., revised)
2) Calculate and record the semi-annual emissions of criteria and hazardous air pollutants from each genset, Units TA-33-G-2 through -4.
3) Maintain a copy of the engine certification to the applicable non road emission standards in 40 CFR 89. (NSR Permit 2195P, Specific Condition 4.c.)

Reporting: The permittee shall submit reports described in Section A109 and in accordance with Section B110.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement/Monitoring: The operating hour readings are collected twice a year to verify the hour limit is not approached. The hour limits for these units were not exceeded during this reporting period. Hours of generator operation are provided in ATTACHMENT A1104.B.
The hour meters on these units are non-resettable.

Recordkeeping:
1) Equipment operating hours are recorded.
2) The emissions of regulated pollutants from Units TA-33-G-2, TA-33-G-3 and TA-33-G-4 are calculated and recorded semi-annually.
3) Certificates of compliance with applicable non-road emission standards are maintained on-site.

Reporting: Emissions and monitoring reports are submitted on a six-month basis and compliance certification is submitted on an annual basis in accordance with permit conditions A109 and B110. For more information, see comments in Section A605 of this report.

A1105 Fuel Sulfur Requirements – Internal Combustion

A. Fuel Sulfur Requirement for Unit TA-33-G-1P

Requirement: Unit TA-33-G-1P while in use at TA-33 shall combust only diesel fuel containing no more than 500 ppmw total sulfur.

Monitoring: None.

Recordkeeping: The permittee shall demonstrate compliance with the limit on total fuel sulfur content by maintaining records of a current, valid purchase contract, tariff sheet or transportation contract for the fuel, or fuel analysis, specifying the fuel grade and certification or allowable sulfur limit. If fuel analysis is used, the analysis shall not be older than one year. Alternatively, compliance may be demonstrated by keeping a receipt or invoice from a commercial fuel supplier with each fuel delivery, which shall include the delivery date, the fuel type delivered, and amount of fuel delivered, and the maximum sulfur content of the fuel.

Reporting: The permittee shall submit reports described in Section A109 and in accordance with Section B110.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement: Only Ultra Low Sulfur Diesel (ULSD) is used at the facility. A purchase contract is in place to only purchase ULSD, which is less than 15 ppm sulfur.

Recordkeeping: A copy of the purchase contract is available on-site.

Reporting: Emissions and monitoring reports are submitted on a six-month basis and compliance certification is submitted on an annual basis in accordance with permit conditions A109 and B110. For more information, see comments in Section A605 of this report.

A1106 20.2.61 NMAC Opacity – Internal Combustion

A. CI-RICE - TA-33-G-1P, TA-33-G-2, TA-33-G-3, TA-33-G-4, RLUOB-GEN-1, RLUOB-GEN-2, RLUOB-GEN-3, TA-48-GEN-1, TA-55-GEN-1 TA-55-GEN-2 and TA-55-GEN-3

Requirement: Visible emissions from the stacks of the above listed sources shall not equal or exceed an opacity of 20 percent.

Monitoring: During steady state operation, opacity shall be measured over a 10-minute period in accordance with the procedures at 40 CFR 60, Appendix A, Method 9 as required by 20.2.61.114 NMAC. Opacity measurements shall be conducted on a quarterly basis per calendar year as qualified by the Section B108.D monitoring provisions. This requirement excludes Insignificant and Trivial Activities.

Recordkeeping: The permittee shall maintain records of all Method 9 observations, and in accordance with Section B109.

Reporting: The permittee shall report date, time, and results of all Method 9 observations. The permittee shall submit reports described in Section A109 and in accordance with Section B110.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement: No visible emissions were observed to exceed 20% opacity during this reporting period.

Monitoring: Opacity measurements were not required for generators in this reporting period. Section B108.D(2) of the permit allows for reduced frequency of opacity monitoring, if the unit operates less than 10% of the monitoring period (calendar quarter). The applicable CI-RICE units operated less than 10% of each monitoring period (less than 219 hours each quarter) during this reporting period. If the unit operates greater than 10% of the monitoring period, the unit will have an opacity observation performed on it, otherwise an opacity observation will be performed within five (5) years of the issuance date of the operating permit. See ATTACHMENT A1106.A.

Recordkeeping: Records are maintained in accordance with Section B109.

Reporting: Emissions and monitoring reports are submitted on a six-month basis and compliance certification on an annual basis in accordance with permit conditions A109 and B110. For more information, see comments in Section A605 of this report.

A1107 Other – Internal Combustion

A. 40 CFR 60, Subpart IIII (Emergency Generators Units RLUOB-GEN-1 through -3)

Requirement: The units are subject to 40 CFR 60, Subpart IIII and the permittee shall comply with the applicable emissions standards and fuel requirements in §60.4205(a), §60.4206 and §60.4207(b) and Table 1102.B. In addition the permittee shall follow the compliance requirements stated in §60.4211(a, b, and f) and the general provisions of 40 CFR 60 Subpart A as required in §60.4218.

Monitoring: None

Recordkeeping: The permittee shall maintain records in accordance with Section B109.

Reporting: The permittee shall comply with all applicable reporting requirements of 40 CFR 60, Subpart A as required in §60.4218 and in accordance with Section B110.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement: The manufacturer's emissions certifications as required by §60.4205(a) are available on site.
Diesel sulfur requirements of 15 ppm are met by the LANL fuel oil contract specifying purchasing ULSD.
§60.4211 (a) (b) and (f) - Manufacturer's certifications for nonroad engines are on-site; non-emergency maintenance checks and readiness testing of such units is limited to 100 hours per year per §60.4211(f)(3).

Recordkeeping: Hours of non-emergency and emergency operation are recorded at the facility during generator operation. The units subject to this condition operated less than 100 hours to date on non-emergency maintenance and readiness checks in accordance with condition in §60.4211(f)(3).

Reporting: Hours of operations are reported in accordance with Section B110. See ATTACHMENT A1107.A. for operating records.

A1107 Other – Internal Combustion

B. 40 CFR 60, Subpart IIII (Emergency Generators Unit TA-48-GEN-1, TA-55-GEN-1 TA-55-GEN-2 and TA-55-GEN-3)

Requirement: The units are subject to 40 CFR 60, Subpart IIII and the permittee shall comply with the applicable emissions standards and fuel requirements in §60.4205(b), §60.4202(a)(2), §60.4206 and §60.4207(b) and Table 1102.B. In addition, the permittee shall follow the compliance requirements stated in §60.4211(a, c and f) and the general provisions of 40 CFR 60 Subpart A as required in §60.4218.

Monitoring: None

Recordkeeping: The permittee shall maintain records in accordance with Section B109.

Reporting: The permittee shall comply with all applicable reporting requirements of 40 CFR 60, Subpart A as required in §60.4218 and in accordance with Section B110.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement: The manufacturer's emissions certifications as required by §60.4205(a) are available on site.
Diesel sulfur requirements of 15 ppm are met by the LANL fuel oil contract specifying purchasing ULSD.
§60.4211 (a) (b) and (f) - Manufacturer's certifications for non-road engine are on-site to demonstrate compliance with standards; non-emergency maintenance checks and readiness testing of such units are limited to 100 hours per year per §60.4211(f)(3).

Recordkeeping: Hours of non-emergency and emergency operation are recorded at the facility during generator operation. The units subject to this condition operated less than 100 hours to date on non-emergency maintenance and readiness checks.

Reporting: Hours of operations are reported in accordance with Section B110. See ATTACHMENT A1107.B.

A1204 Operational Limitations – Data Disintegrator

A. Operational Throughput Limitation (Unit Data Disintegrator)

Requirement: The Unit Data Disintegrator is limited processing no more than 25,000 boxes or 565 tons per year media. To avoid Compliance Assurance Monitoring (CAM) requirements under 40 CFR 64, the Data Disintegrator shall limit uncontrolled potential PM emissions by limiting media processing no more than 25,000 boxes or 565 tons per year.

Monitoring: The permittee shall perform the monitoring required in Condition A1207.A.

Recordkeeping: The permittee shall perform the recordkeeping required in Condition A1207.A.

Reporting: The permittee shall perform the reporting required in Condition A1207.A.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement: A log is kept to ensure that no more than 25,000 boxes or 565 tons per year of media are processed.

Monitoring, recordkeeping and reporting are discussed in Condition A1207.A.

A1207 Other – Data Disintegrator

A. Emission calculations (Data Disintegrator)

Requirement: The permittee shall calculate Data Disintegrator emissions based on the records of the number of boxes of media that are destroyed.

Monitoring: The permittee shall monitor the quantity of media destroyed on a monthly basis. The total weight shall be based on a previously determined average box weight. This average weight determination shall be maintained as part of the records for this facility.

Recordkeeping: The permittee shall calculate the actual emissions rate (tons per reporting period) for the emission units listed in Table 1200.A on a semi-annual basis. The emission rate in tons per year shall be calculated by summing the emissions from the previous reporting period with the current period. Records shall be maintained in accordance with Section B109.

Reporting: The permittee shall submit reports described in Section A109 and in accordance with Section B110.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement: A log is kept to record the number of boxes of media destroyed monthly and is used to calculate emissions on a semi-annual basis.

Monitoring: The number of boxes destroyed is provided in ATTACHMENT A1207.A. The average box weight has been determined and is maintained as part of the facility records. The data disintegrator has been out of service since January 28, 2019.

Recordkeeping: The actual emissions rate is calculated for the emission unit on a semi-annual basis and is included in the semi-annual emissions report. These records are maintained on-site. The emission rate in tons per year is calculated by summing the emissions from the previous reporting period with the current period. The emissions are compared to the allowable emissions for the unit. Records are maintained in accordance with Section B109.

Reporting: Emissions and monitoring reports are submitted on a six-month basis and compliance certification submitted on an annual basis in accordance with permit conditions A109 and B110. For more information, see comments in Section A605 of this report.

A1207 Other – Data Disintegrator

B. Cyclone/Cloth Tube Filters (Data Disintegrator)

Requirement: The permittee shall perform regular maintenance and repair on the cyclone and cloth tube filter(s) per manufacturer's recommendations. (NSR Permit 2195H, Specific Condition 1.d.)

Monitoring: N/A

Recordkeeping: The permittee shall maintain adequate records on site to demonstrate compliance with manufacturer's recommended repair and maintenance schedules for the cyclone and the cloth tube filter(s). (NSR Permit 2195H, Specific Condition 4.a.) Records shall be maintained in accordance with Section B109.

Reporting: The permittee shall submit reports described in Section A109 and in accordance with Section B110.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement: Preventive maintenance and repair are performed on the data disintegrator cyclone and cloth tube filter(s) following manufacturer's recommendations.

Recordkeeping: Records of maintenance performed on the cyclone and cloth tube filter(s) are provided in ATTACHMENT A1207.B. Manufacturer recommended repair and maintenance information are also available on site. Records are maintained in accordance with Section B109.

Reporting: Emissions and monitoring reports are submitted on a six-month basis and compliance certification on an annual basis in accordance with permit conditions A109 and B110. For more information, see comments in Section A605 of this report.

A1207 Other – Data Disintegrator

C. Compliance Testing (Data Disintegrator)

Requirement: If upon notification by the Department, compliance testing is required, it shall be conducted in accordance with EPA Reference Methods 1 through 4, Method 5 for TSP, and conducted in accordance with 450 CFR 60, Appendix A. For combined TSP and PM10, testing shall be in accordance with 40 CFR 51, Appendix M, Method 201. Alternative test method(s) may be used if the Department approves the change. (NSR Permit 2195H, Specific Condition 6.b., revised)

Monitoring: N/A

Recordkeeping: The permittee shall maintain records in accordance with Section B109.

Reporting: The permittee shall submit reports described in Section A109 and in accordance with Section B110.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement: No compliance test was required or performed during this reporting period.

Recordkeeping: No tests were conducted and no records were generated during this reporting period.

Reporting: Emissions and monitoring reports are submitted on a six-month basis and compliance certification submitted on an annual basis in accordance with permit conditions A109 and B110. For more information, see comments in Section A605 of this report.

A1305 Fuel Sulfur Requirements – TA-3 Power Plant

A. Boilers (Units TA-3-22-1 through -3)

Requirement: External combustion sources at the TA-3 Power Plant shall combust only natural gas containing no more than 2 gr/100 scf total sulfur or No. 2 fuel oil containing no more than 0.05 wt% total sulfur. (NSR Permit 2195B-M2, Specific Condition A110.A)

Monitoring: N/A

Recordkeeping: The permittee shall demonstrate compliance with the limit on total fuel sulfur content by maintaining records of a current, valid purchase contract, tariff sheet or transportation contract for the gaseous or liquid fuel, or fuel analysis, specifying the fuel grade and certification or allowable sulfur limit. If fuel analysis is used, the analysis shall not be older than one year. Alternatively, compliance may be demonstrated by keeping a receipt or invoice from a commercial fuel supplier with each fuel delivery, which shall include the delivery date, the fuel type delivered, and amount of fuel delivered, and the maximum sulfur content of the fuel.

Reporting: The permittee shall submit reports described in Section A109 and in accordance with Section B110.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement: The natural gas transportation contract states that gas provided to LANL will be pipeline quality with total sulfur content of no more than three quarters (3/4) grains of total sulfur per one hundred (100) dry standard cubic feet.

Recordkeeping: Fuel oil is under a purchase contract and only Ultra Low Sulfur Diesel (ULSD) is delivered to the facility. ULSD contains less than 0.0015 wt% total sulfur. A copy of the transportation contract and purchase contract are kept on site. No fuel oil was purchased for the TA-3 power plant during this reporting period.

Reporting: Emissions and monitoring reports are submitted on a six-month basis and compliance certification on an annual basis in accordance with permit conditions A109 and B110. For more information, see comments in Section A605 of this report.

A1305 Fuel Sulfur Requirements – TA-3 Power Plant

B. Combustion Turbine (Unit TA-3-22-CT-1)

Requirement: The combustion turbine at the TA-3 Power Plant shall combust only natural gas containing no greater than 2 gr/100 scf total sulfur. (NSR Permit 2195B-M2, Specific Condition A110.B)

Monitoring: N/A

Recordkeeping: The permittee shall demonstrate compliance with the limit on total fuel sulfur content by maintaining records of a current, valid purchase contract, tariff sheet or transportation contract for the gaseous fuel, or fuel analysis, specifying the fuel grade and certification or allowable sulfur limit. If fuel analysis is used, the analysis shall not be older than one year. (NSR Permit 2195B-M2, Specific Condition A110.B and 40 CFR 60.334(h))

Reporting: The permittee shall submit reports described in Section A109 and in accordance with Section B110.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement: This requirement is satisfied since the natural gas transportation contract states that gas provided to LANL will be pipeline quality with total sulfur content of no more than three quarters (3/4) grains of total sulfur per one hundred (100) dry standard cubic feet.

Recordkeeping: The transportation contract is kept on-site.

Reporting: Emissions and monitoring reports are submitted on a six-month basis and compliance certification on an annual basis in accordance with permit conditions A109 and B110. For more information, see comments in Section A605 of this report.

A1306 20.2.61 NMAC Opacity – TA-3 Power Plant

A. Sources Combusting Natural Gas

Requirement: All combustion units shall not exceed 20% opacity. (NSR Permit 2195B-M2, Specific Condition A111.A)

Monitoring: Use of natural gas fuel meeting the requirement at Condition A1305.A or B constitutes compliance with 20.2.61 NMAC unless opacity exceeds 20% averaged over a 10-minute period. When any visible emissions are observed during steady state operation and are determined to be not due to condensed water vapor only, opacity shall be measured over a 10-minute period, in accordance with the procedures at 40 CFR 60, Appendix A, Method 9 as required by 20.2.61.114 NMAC.

Recordkeeping: The permittee shall record dates of any opacity measures and the corresponding opacity readings.

Reporting: The permittee shall report dates of any opacity measures and the corresponding opacity readings. The permittee shall submit reports described in Section A109 and in accordance with Section B110.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement: LANL has certified opacity readers on-site who perform opacity readings using 40 CFR 60, Appendix A, Method 9 to determine compliance with the opacity limitation. Use of natural gas fuel constitutes compliance with the 20% opacity limit.

Monitoring: Natural gas fuel meets the requirement specified in Condition A1305.A and B. No visible emissions were observed during steady state operation during this reporting period. See ATTACHMENT A1306.A. for details.

Recordkeeping: A standard form is used for all opacity measurements. The form includes the date of measurement and opacity observed. No opacity readings were required during this reporting period.

Reporting: Emissions and monitoring reports are submitted on a six-month basis and compliance certification on an annual basis in accordance with permit conditions A109 and B110. For more information, see comments in Section A605 of this report.

A1306 20.2.61 NMAC Opacity – TA-3 Power Plant

B. Boilers Combusting No. 2 Fuel Oil

Requirement: All combustion units shall not exceed 20% opacity. (NSR Permit 2195B-M2, Specific Condition A111.B)

Monitoring: During steady state operation, opacity shall be measured over a 10-minute period in accordance with the procedures at 40 CFR 60, Appendix A, Method 9 as required by 20.2.61.114 NMAC. Opacity measurements shall be conducted on a quarterly basis per calendar year whenever the boiler(s) are operational during the monitoring period. This requirement is subject to the monitoring provisions of Condition B108.D.

Recordkeeping: The permittee shall maintain records of all Method 9 observations, and in accordance with Section B109.

Reporting: The permittee shall report date, time, and results of all Method 9 observations. The permittee shall submit reports described in Section A109 and in accordance with Section B110.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement: This requirement is satisfied by having certified opacity readers on-site who perform opacity readings using 40 CFR 60, Appendix A, Method 9 to determine compliance with the opacity limitation. Fuel oil was not used during this reporting period. The opacity limit was not exceeded during this reporting period.

Monitoring: Opacity is read at least once per quarter when boilers are combusting fuel oil and when required by monitoring provisions in condition B108.D. Opacity readings are measured over a 10-minute period and in accordance with 40 CFR 60, Appendix A, Method 9. A standard form is used for all opacity measurements. The form includes the date of measurement and opacity observed. Fuel oil was not used during this monitoring period, and no opacity readings required. See ATTACHMENT A1306.B for details.

Recordkeeping: Records are maintained in accordance with Section B109.

Reporting: Emissions and monitoring reports are submitted on a six-month basis and compliance certification on an annual basis in accordance with permit conditions A109 and B110. For more information, see comments in Section A605 of this report.

A1307 Other – TA-3 Power Plant

A. Emission calculations (TA-3 Power Plant)

Requirement: The permittee shall comply with the hourly and annual emission limits at Table1302.A. and Conditions A1302.B, C, and D for the combustion turbine and boilers. The boiler annual emission limit shall be expressed as the combined emissions from all 3 boilers. (NSR Permit 2195B-M2, Specific Condition A801.A)

Monitoring: The permittee shall perform the following calculations on a monthly basis:
1) Calculate the average hourly emissions rates (pph) for each emissions unit based on the monthly total fuel consumption and monthly actual hours of operation.
2) Calculate the actual annual emissions rates (tpy) for all emissions units based on the monthly rolling 12-month total fuel consumption and the monthly rolling 12-month total hours of operation.
3) All NOx emission rates for the boilers shall also be calculated in terms of lb/MMBtu heat input. (NSR Permit 2195B-M2, Specific Condition A801.A)

Recordkeeping: The permittee shall maintain records in accordance with Section B109.

Reporting: The permittee shall submit reports described in Section A109 and in accordance with Section B110.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement: All emissions calculations required by this section are performed for the emission units listed. The emission units did not exceed the hourly or annual emission limits.

Monitoring: Emissions spreadsheets are in place that calculate all required emissions and are used for monitoring and reporting purposes. The average hourly emission rates and actual annual emission rates are included in the spreadsheet. Emission rates are provided in ATTACHMENT A1307.A.
Condition A1307.A, monitoring condition 3, can't be calculated because the units are based on the emission factor. The emission factor for NOx is 58 lbs/MMscf, which is converted to lbs/MMBtu by dividing by the high heat value of natural gas (the number of Btu in a scf). As the HHV of natural gas ranges in value, the emission range was calculated using the low and high values at LANL between 2011 and 2018, the lowest was 1006.6 Btu/scf and the highest was 1079.3 Btu/scf, therefore the NOx emission rate will range from 0.0537 to 0.0576 lbs/MMBtu.

Recordkeeping: Records are maintained in accordance with Section B109.

Reporting: Emissions and monitoring reports are submitted on a six-month basis and compliance certification on an annual basis in accordance with permit conditions A109 and B110. For more information, see comments in Section A605 of this report.

A1307 Other – TA-3 Power Plant

B. Fuel Usage (Boilers, Units TA-3-22-1 through -3)

Requirement: Combined boiler operation shall not consume more than 1000 MMscf of natural gas and no more than 500,000 gallons of No. 2 fuel oil in any 12-month period. Volumetric natural gas fuel flow shall be measured using gas flowmeters installed on the natural gas fuel inlet to each respective unit (3 separate gas flowmeters). Fuel oil usage shall be measured using a single inventory meter located at a storage tank that is dedicated for use by the TA-3 power plant boilers. (NSR Permit 2195B-M2, Specific Condition A803.A, revised)

Monitoring: The liquid fuel flow rate shall be continuously monitored whenever liquid fuel is combusted. The natural gas fuel flow rate for each boiler shall be continuously monitored whenever natural gas is combusted. The hours of operation of each boiler shall be continuously monitored. (NSR Permit 2195B-M2, Specific Condition A803.A, revised)

Recordkeeping: The permittee shall record the monthly total of liquid fuel (gallons) for all boilers combined and gaseous fuel (scf) for each boiler on a monthly basis, to include a monthly total. Annual fuel usage shall be calculated and recorded on a monthly rolling 12-month total basis. The permittee shall record the hours of operation of each boiler on a monthly basis, to include a monthly total. The record shall include the monthly rolling 12-month total hours of operation for all 3 boilers combined. The permittee shall maintain records in accordance with Section B109. (NSR Permit 2195B-M2, Specific Conditon A803.A, revised)

Reporting: The permittee shall submit reports described in Section A109 and in accordance with Section B110.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement: The combined boiler natural gas use did not exceed 1,000 MMscf or 500,000 gallons of No. 2 fuel oil in any 12-month period. All fuel use data are tracked monthly in a spreadsheet used for emission calculations.

Monitoring: Natural gas fuel meters are in place on each of the boilers. Fuel oil is measured using an inventory meter on the storage tank. Both natural gas and fuel oil are continuously monitored when being combusted. A monthly and 12-month rolling total of both natural gas and fuel oil use are recorded and reviewed monthly to verify usage does not exceed allowable limits. The monthly and 12-month rolling totals for each fuel are provided in ATTACHMENT 1307.B.

Recordkeeping: Total hours of operation of each boiler are recorded monthly and included in a monthly rolling 12-month total hours for all boilers combined. Hours of operation of each boiler are continuously monitored. This data is collected monthly from the power plant operations staff. Monthly and 12 month

rolling hours are provided in ATTACHMENT A.1307.B. Records are maintained in accordance with Section B109.

Reporting: Emissions and monitoring reports are submitted on a six-month basis and compliance certification on an annual basis in accordance with permit conditions A109 and B110. For more information, see comments in Section A605 of this report.

A1307 Other – TA-3 Power Plant

C. Fuel Usage (Combustion Turbine, Unit TA-2-22-CT-1)

Requirement: The combustion turbine shall not consume more than 1400 MMscf of natural gas in any 12-month period. Volumetric flow shall be measured using a gas fuel flowmeter installed on the fuel inlet of the combustion turbine. (NSR Permit 2195B-M2, Specific Condition A802.A)

Monitoring: The natural gas fuel flow rate for the combustion turbine shall be continuously monitored whenever natural gas is combusted. (NSR Permit 2195B-M2, Specific Condition A802.A)

Recordkeeping: The permittee shall record the daily total of gaseous fuel (scf) for the turbine on a monthly basis, to include a monthly total. Annual fuel usage shall be calculated and recorded on a monthly rolling 12-month total basis. The permittee shall record the daily hours of operation of the combustion turbine on a monthly basis, to include a monthly total. The record shall include the monthly total hours and monthly rolling 12-month total hours of operation. The permittee shall maintain records in accordance with Section B109. (NSR Permit 2195B-M2, Specific Condition A802.A)

Reporting: The permittee shall submit reports described in Section A109 and in accordance with Section B110.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement: A 12-month rolling total for natural gas use is maintained and reviewed to verify usage does not exceed 1400 MMscf. The daily and monthly total fuel use is collected and recorded monthly in a spreadsheet used for calculating emissions. The monthly and 12-month rolling natural gas total is provided in ATTACHMENT A1307.C.

Monitoring: The natural gas flowmeter is installed on the turbine inlet. The fuel flowmeter continuously measures natural gas being delivered to the combustion turbine.

Recordkeeping: Daily hours of operation are also collected monthly and entered into the spreadsheet. A 12-month rolling total hours of operation is calculated using this information. Rolling total hours are provided in ATTACHMENT A1307.C. Records are maintained in accordance with Section B109.

Reporting: Emissions and monitoring reports are submitted on a six-month basis and compliance certification on an annual basis in accordance with permit conditions A109 and B110. For more information, see comments in Section A605 of this report.

A1307 Other – TA-3 Power Plant

D. Load Requirement (Combustion Turbine, Unit TA-3-22-CT-1)

Requirement: The combustion turbine shall be operated at no less than 80% and no greater than 100% load as determined by the manufacturer's supplied algorithm, except for minimal periods during startup and shutdown conditions. The permittee shall follow the manufacturer's recommended startup/shutdown procedures in order to minimize the duration of these events. (NSR Permit 2195B-M2, Specific Condition A802.B)

Monitoring: The operating load of the combustion turbine shall be monitored once daily during normal operations of that unit. (NSR Permit 2195B-M2, Specific Condition A802.B)

Recordkeeping: The permittee shall record the daily monitored operating load for the combustion turbine. The permittee shall maintain a record of the manufacturer's recommended startup/shutdown procedure and the manufacturer's criteria for the determination of turbine load. The permittee shall maintain a record for each startup/shutdown or malfunction event for the combustion turbine. The record shall include the date, the start/end time and duration for each event, which is defined as the length of time the combustion turbine is operating at less than 80% or greater than 100% load. For any malfunction event, the record shall also include the nature of the malfunction and any corrective action taken. The permittee shall maintain records in accordance with Section B109. (NSR Permit 2195B-M2, Specific Condition A802.B)

Reporting: The permittee shall submit reports described in Section A109 and in accordance with Section B110.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement: The combustion turbine load was maintained between 80% and 100% during this certification period. Load range is calculated by the turbine operating system and is manually recorded during each operation.

Startup/shutdown procedures are in place and are followed by the unit operators.

Monitoring: Load range is calculated by the turbine operating system and is manually recorded each hour during operation. Daily operating logs showing the turbine output/load are provided in ATTACHMENT A.1307.D. Startup/shutdown procedures are followed by the unit operators.

The load is recorded at least once daily during normal operations. This data is collected in the daily operating log. Startup/shutdown procedures are in place and are followed by the unit operators.
Each time the unit is started or shut down, the data is entered into a daily operating log, which is maintained on-site. The record includes the date, start/end times, and duration.

Recordkeeping: Records are maintained in accordance with Section B109.

Reporting: Emissions and monitoring reports are submitted on a six-month basis and compliance certification on an annual basis in accordance with permit conditions A109 and B110. For more information, see comments in Section A605 of this report.

A1307 Other – TA-3 Power Plant

E. Control Device Operation (Boilers, Units TA-3-22-1 through -3)

Requirement: Each boiler (Units TA-3-22-1 through -3) shall only be operated with a properly operating flue gas recirculation fan (Units F-1 through -3, respectively). Any malfunction of the flue gas recirculation system during boiler operation may be subject to the excess emissions requirements of 20.2.7 NMAC. (NSR Permit 2195B-M2, Specific Condition A803.B)

Monitoring: The flue gas recirculating fans shall be inspected for proper operation and maintenance once during each calendar month that the unit was operating. (NSR Permit 2195B-M2, Specific Condition A803.B)

Recordkeeping: The permittee shall record all inspections of the flue gas recirculating fans and any event during which a fan malfunctions. The record shall include the date, time, name of operator conducting the inspection, and any discrepancies noted. For malfunction events, the record shall also include the nature and duration of the malfunction, and any corrective action taken. The permittee shall maintain records in accordance with Section B109. (NSR Permit 2195B-M2, Specific Condition A803.B)

Reporting: The permittee shall submit reports described in Section A109 and in accordance with Section B110.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement: When a boiler is operating, the associated Flue Gas Recirculation (FGR) fan is on. A fan speed indicator is located on the control panel in the operator control room. This fan speed is monitored and recorded during boiler operation. No malfunctions of the FGR systems have occurred during this reporting period. .

Monitoring: The FGR fans are inspected for proper operation and maintenance each month the unit is operating. Inspection forms are provided in ATTACHMENT A1307.E.

Recordkeeping: No malfunctions occurred during this certification period. All inspection records contain the required data found in this section. Records are maintained in accordance with Section B109.

Reporting: Emissions and monitoring reports are submitted on a six-month basis and compliance certification on an annual basis in accordance with permit conditions A109 and B110. For more information, see comments in Section A605 of this report.

A1307 Other – TA-3 Power Plant

F. Control Device Operation (Combustion Turbine, Unit TA-3-22-CT-1)

Requirement: The combustion turbine shall be equipped with Rolls-Royce Dry Low Emissions (DLE) control technology (pre-mix, lean-burn series staged combustion system) to control NOx emissions. (NSR Permit 2195B-M2, Specific Condition A802.C)

Monitoring: N/A

Recordkeeping: The permittee shall maintain a record of the DLE system associated with the combustion turbine. The permittee shall maintain records in accordance with Section B109. (NSR Permit 2195B-M2, Specific Condition A802.C)

Reporting: The permittee shall submit reports described in Section A109 and in accordance with Section B110.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement: The Dry Low Emissions (DLE) control technology is an integral part of the combustion turbine design. The DLE control was evaluated during unit start-up and determined to be working as designed. Manufacturer data are available on the DLE system.

Recordkeeping: Records are maintained in accordance with Section B109.

Reporting: Emissions and monitoring reports are submitted on a six-month basis and compliance certification on an annual basis in accordance with permit conditions A109 and B110. For more information, see comments in Section A605 of this report.

A1307 Other – TA-3 Power Plant

G. 40 CFR 60, Subparts A and GG (Combustion Turbine, Unit TA-3-22-CT-1)

Requirement: The combustion turbine is subject to 40 CFR 60, Subpart GG and the permittee shall comply with the applicable requirements of 40 CFR 60, Subpart A and Subpart GG. (NSR Permit 2195B-M2, Specific Condition A802.D)

Monitoring: The permittee shall comply with the monitoring and testing requirements of 40 CFR 60.334 and 60.335. (NSR Permit 2195B-M2, Specific Condition A802.D)

Recordkeeping: The permittee shall comply with the recordkeeping requirements of 40 CFR 60.334 and 40 CFR 60.7. (NSR Permit 2195B-M1-R2, Specific Condition A802.D)

Reporting: The permittee shall comply with the reporting requirements of 40 CFR 60.7. (NSR Permit 2195B-M1-R2, Specific Condition A802.D)

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement: The combustion turbine is in compliance with 40 CFR Part 60 Subpart A and 40 CFR Part 60 Subpart GG.

Monitoring: The combustion turbine is in compliance with the monitoring and test requirements of 40 CFR 60.334 and 60.335.

Recordkeeping: The combustion turbine is in compliance with the monitoring, notification, and record keeping requirements of 40 CFR 60.334 and 40 CFR 60.7.

Reporting: The combustion turbine is in compliance with the reporting requirements of 40 CFR 60.7.

A1307 Other – TA-3 Power Plant

H. Periodic Emissions Tests (Combustion Turbine, Unit TA-3-22-CT-1)

Requirement: The permittee shall comply with the allowable emission limits at Table A1302.A, including the NOx ppmv limitation. (NSR Permit 2195B-M2, Specific Condition A802.E)

Monitoring: The permittee shall test using a portable analyzer or EPA Reference Methods subject to the requirements and limitations of Section B108, General Monitoring Requirements. For periodic testing of NOx and CO emissions tests shall be carried out as described below.

Test results that demonstrate compliance with the NOx and CO emission limits shall also be considered to demonstrate compliance with the VOC emission limits.

(1) The test period shall be annually, based on a calendar year.
(2) The tests shall continue based on the existing testing schedule.
(3) All subsequent monitoring shall occur in each succeeding monitoring period. No two monitoring events shall occur closer together in time than 25% of a monitoring period.
(4) The permittee shall follow the General Testing Procedures of Section B111.
(5) Performance testing required by 40 CFR 60, Subpart GG or 40 CFR 60, Subpart KKKK may be used to satisfy these periodic testing requirements if they meet the requirements of this condition and are completed during the specified monitoring period.

Recordkeeping: The permittee shall maintain records in accordance with Section B109. The permittee shall also record the results of the periodic emissions tests, including the turbine's fuel flow rate and horsepower at the time of the test, and the type of fuel fired (natural gas, field gas, etc.).

If a combustion analyzer is used to measure excess air in the exhaust gas, records shall be kept of the make and model of the instrument and instrument calibration data. If an ORSAT apparatus or other gas absorption analyzer is used, the permittee shall record all calibration results.

The permittee shall also keep records of all raw data used to determine exhaust gas flow and of all calculations used to determine flow rates and mass emissions rates.

Reporting: The permittee shall report in accordance with Section B109, B110, and B111.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement: The facility is in compliance with the allowable limits as demonstrated in the monitoring and reporting sections below.

Monitoring: An annual emission stack test was conducted on January 10, 2019; the test results demonstrated that the actual emissions were less than the allowable emissions.. No additional stack testing is required this reporting period. See ATTACHMENT A1307.H. for details. The last test was performed as required following the monitoring requirements of Section B108 and general testing procedures found in Section B111. Test results from the test demonstrate compliance with NOx and CO emission limits. No limits were exceeded.

The tests are performed annually if required, or at a frequency as specified in General Condition B108.D based on the percentage of time the unit has operated. Records of periodic emissions test include all data required by this section.

A combustion analyzer is used for this periodic emissions test. Instrument and calibration data are included in the final test report. An ORSAT or other similar gas absorption analyzer is not used.

Recordkeeping: Records are maintained in accordance with Section B109.

Reporting: Raw data and calculations used, are included in the test report. Emission and monitoring reports are submitted on a six-month basis and compliance certification on an annual basis in accordance with permit conditions A109, B110, and B111. For more information, see comments in Section A605 of this report.

A1407 Other – Open Burning

A. Operational

Requirement: The permittee shall comply with the applicable requirements of 20.2.60 NMAC and 20.2.65 NMAC, including, but not limited to:

1) Prior to initiating a burn consisting of vegetative material, the permittee shall submit to the Department a sampling and analysis plan and upon approval conduct representative sampling of the intended burn material and analyze samples for radionuclides, target analyte list (TAL) inorganic elements, polychlorinated biphenyls (PCBs), and high explosives (HE); and

2) The permittee shall submit to the Department a background concentration report for the contaminants listed in Condition A1407.A, Requirement (1). The report shall indicate locations where background concentrations were taken and compare sample results with background concentrations of the constituents; and

3) The permittee shall not burn vegetative material which includes any contaminant above the relevant background concentration; and

4) Upon receiving Department approval, the permittee shall conduct public notification in a display ad in at least four newspapers: Los Alamos Monitor, Rio Grande Sun, Santa Fe New Mexican, and the Albuquerque Journal, no less than 21 days in advance of a planned burn.

Monitoring: The permittee shall monitor all open burning as required by Department regulation or burn approval.

Recordkeeping: The permittee shall maintain records of all sampling and analysis plans and any representative sampling conducted. Records shall be kept in accordance with Section B109.

Reporting: The permittee shall submit reports as outlined in the Condition 1407.A Requirements, as described in Section A109, and in accordance with Section B110.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: No open burning occurred during this reporting period. See ATTACHMENT A1407.A. for details.

A1507 Evaporative Sprayers–Work Practice Standards

A. Operational Requirements (Evaporative Sprayers)

Requirement: Compliance with the allowable emission limits in Table 106.B shall be demonstrated by calculating the annual total HAPs emissions in tons per year. The emissions shall be calculated based on the most recent water analysis and hours of operation for the evaporative sprayers.

Monitoring: The permittee shall conduct an analysis of the basin water, including analytical results (water concentrations) for all HAPs and TAPs, at the Sanitary Effluent Reclamation Facility (SERF) every two years beginning no later than calendar year 2018. The permittee shall monitor the hours of operation for each sprayer.

Recordkeeping: The permittee shall record a monthly rolling, 12-month total of HAPs emissions based on the sum of emissions from all the evaporative sprayers. The emission factors for the HAPs shall be based on the values from the most recent water analysis.

Reporting: The permittee shall submit reports described in Section A109 and in accordance with Section B111. An electronic copy of the required water analysis including analytical results (water concentrations) for all HAPs, TAPs, and the total dissolved solids (TDS) shall be sent to AQB with the Semi-annual Monitoring Report specified in A109.A for any year in which the water sampling is conducted.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: The Title V Permit was modified to add in a large evaporative sprayer during this reporting period. The completeness determination was received from NMED on March 21, 2019 and the sprayer went online on June 4, 2019.

Requirement: The facility is in compliance with the allowable emissions limits as demonstrated in the monitoring, recordkeeping and reporting sections below. The most recent water analysis results and hours of operation are used to calculate the emissions.

Monitoring: Monitoring is based on analytical results of water from the SERF basins every two years. See ATTACHMENT A1507.A.a. for details. The hours of operation are monitored and tabulated. See ATTACHMENT A1507.A.b. for details.

Recordkeeping: Records are kept on-site and include the sum of emissions from all the evaporative sprayers. The emission factors are based on the values from the most recent water analysis.

Reporting: Reporting is done in accordance with the Title V requirements specified in Section A109.A and Section B111. Water analysis results will be included in the semi-annual monitoring report for any year in which the water sampling is conducted. Basin water sampling was conducted in June of 2018. See

ATTACHMENT A1507.A.a. for details.

A1507 Evaporative Sprayers–Work Practice Standards

B. Maintenance and Repair Requirements

Requirement: Compliance with the allowable emission limits in Table 106.A shall be demonstrated by properly maintaining and repairing the units.

Monitoring: Maintenance and repair shall meet the minimum manufacturer's or permittee's recommended maintenance schedule. Activities that involve maintenance, adjustment, replacement, or repair of functional components with the potential to affect the operation of an emission unit shall be documented as they occur.

Recordkeeping: The permittee shall maintain records in accordance with Section B109, including records of maintenance and repairs activities and a copy of the manufacturer's or permittee's recommended maintenance schedule.

Reporting: The permittee shall maintain records in accordance with Section B109, including records of maintenance and repairs activities and a copy of the manufacturer's or permittee's recommended maintenance schedule.

Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.

☐ **Yes** **Date report submitted:** **Tracking Number:**

☒ **No** **Provide comments and identify any supporting documentation as an attachment.**

Comments: Requirement: Compliance with the allowable emissions limits is demonstrated by properly maintaining and repairing the units.

Monitoring: Equipment maintenance and repair are conducted in accordance with the manufacturer's recommended schedule and LANL procedures, and documented in Table 106.A. See ATTACHMENT A1507.B. for work practice standards and maintenance and repair records.

Recordkeeping: Records are maintained in accordance with Section B109. Maintenance and repair records are kept on-site, and include maintenance and repairs activities, and the maintenance schedule.

Reporting: Reporting is done in accordance with the Title V requirements specified in Section B109.

Part 2

Deviation Summary Report

1. Were any deviations reported to the Air Quality Bureau during this reporting period? If NO, answer question 2 below. If YES, complete the "Summary of Deviations Previously Reported" table below, then answer question	☐ **Yes** ☒ **No**

SUMMARY OF DEVIATIONS PREVIOUSLY REPORTED

Unit # and description	Date deviation reported	Tracking Number

2. Are there any deviations not yet reported? If No, no further information is required on the Deviation Summary Report. If Yes, answer question 3 below and enter the required information in the Deviation Summary Table.	☐ **Yes** ☒ **No**
3. Did any of the deviations result in excess emissions? For deviations resulting in excess emissions a completed Excess Emission Form for each deviation must be attached to this report.	☐ **Yes** ☐ **No**

Deviation Summary Table for deviations not yet reported.

No.	Applicable Requirement (Include Rule Citation)	Emission Unit ID(s)	Cause of Deviation	Corrective Action Taken
1				
2				
3				
4				
5				

Deviation Summary Table (cont.)

	Deviation Started		Deviation Ended					Did you attach an excess emission form?
No.	Date	Time	Date	Time	Pollutant	Monitoring Method	Amount of Emissions	
1								☐ **Yes** ☐ **No**
2								☐ **Yes** ☐ **No**
3								☐ **Yes** ☐ **No**
4								☐ **Yes** ☐ **No**
5								☐ **Yes** ☐ **No**

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Operating Permit P100-R2M3

Monitoring Period January 1–June 30, 2019

ATTACHMENT A607.A.	Asphalt Plant – Differential Pressure Records
ATTACHMENT A607.C.	Asphalt Plant – Method 9 Opacity Reports
ATTACHMENT A607.E.	Asphalt Plant – Daily Operation Log and 12-Month Rolling Production
ATTACHMENT A607.F.	Asphalt Plant – Maintenance and Delivery Records
ATTACHMENT A607.G.	Asphalt Plant – Method 22 Opacity Reports
ATTACHMENT A707.B.a.	Beryllium – TA-03-0066 Beryllium Logs
ATTACHMENT A707.B.b.	Beryllium – TA-35-0213 Beryllium Operating Log
ATTACHMENT A707.C.a.	Beryllium – TA-03-0141 Beryllium HEPA Filter Differential Pressure Readings
ATTACHMENT A707.C.b.	Beryllium – TA-55-PF4 Annual HEPA Filter Challenge Test Reports
ATTACHMENT A707.C.c.	Beryllium – TA-55-PF4 HEPA Filtration Differential Pressure Readings
ATTACHMENT A806.A.	External Combustion – 20.2.61 NMAC Opacity
ATTACHMENT A806.C.	External Combustion – 20.2.61 NMAC Opacity – Units RLUOB-BHWs Fuel Oil-Fired
ATTACHMENT A807.A.	External Combustion – Natural Gas Usage and Rolling 12-Month Total
ATTACHMENT A807.B.	External Combustion – RLUOB Natural Gas and Fuel Oil Usage
ATTACHMENT A807.C. & D.	External Combustion – Fuel Oil Sulfur Content
ATTACHMENT A807.E.	External Combustion – Initial Compliance Testing (Unit RLUOB-BHW-4)
ATTACHMENT A807.F.	External Combustion – Operational Boiler Inspection
ATTACHMENT A907.A.	Chemical Usage – Chemical Purchases (From ChemDB)
ATTACHMENT A907.B.a.	Chemical Usage – RLUOB-CHEM Chemical Purchases (From ChemDB)
ATTACHMENT A907.B.b.	Chemical Usage – RLUOB-CHEM Chemical Quantity Total
ATTACHMENT A1007.A.a.	Degreaser – Degreaser Solvent Usage (From Tracking Database)
ATTACHMENT A1007.A.b.	Degreaser – Completed Work Practice Checklists
ATTACHMENT A1104.A.	Internal Combustion – TA-33-G-1P Daily Operating Logs
ATTACHMENT A1104.B.	Internal Combustion – Permitted Generator Hours of Operation
ATTACHMENT A1106.A.	Internal Combustion – Method 9 Opacity Reports

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Operating Permit P100-R2M3

Monitoring Period January 1–June 30, 2019

ATTACHMENT A1107.A.	Internal Combustion – Operating Records for RLUOB Generators
ATTACHMENT A1107.B.	Internal Combustion – Operating Records for Permitted Emergency Generators
ATTACHMENT A1207.A.	Data Disintegrator – Operating Logs
ATTACHMENT A1207.B.	Data Disintegrator – Maintenance Performed
ATTACHMENT A1306.A.	TA-03 Power Plant – Opacity for Sources Combusting Natural Gas
ATTACHMENT A1306.B.	TA-03 Power Plant – Opacity for Boilers Combusting No. 2 Fuel Oil
ATTACHMENT A1307.A.	TA-03 Power Plant – Emission Rate Calculations
ATTACHMENT A1307.B.	TA-03 Power Plant – Boiler Fuel Use and Hours of Operation
ATTACHMENT A1307.C.	TA-03 Power Plant – Turbine Fuel Use and Hours of Operation
ATTACHMENT A1307.D.	TA-03 Power Plant – Turbine Operating Logs
ATTACHMENT A1307.E.	TA-03 Power Plant – FGR Fan Inspection and Maintenance
ATTACHMENT A1307.H.	TA-03 Power Plant – Combustion Turbine Emission Stack Test Report
ATTACHMENT A1407.A.	Open Burning
ATTACHMENT A1507.A.a.	Evaporative Sprayers – Analytical Data for Basin Water
ATTACHMENT A1507.A.b.	Evaporative Sprayers – Hours of Operation
ATTACHMENT A1507.B.	Evaporative Sprayers – Maintenance and Repair Requirements

ATTACHMENT A607.A.

Asphalt Plant

Differential Pressure Records

Asphalt Plant Data

Date	Time	Diff Press
6-Feb-2019	6:00:00	0.00
6-Feb-2019	6:02:00	0.00
6-Feb-2019	6:04:00	0.00
6-Feb-2019	6:06:00	0.00
6-Feb-2019	6:08:00	0.00
6-Feb-2019	6:10:00	0.00
6-Feb-2019	6:12:00	0.00
6-Feb-2019	6:14:00	0.00
6-Feb-2019	6:16:00	0.00
6-Feb-2019	6:18:00	0.00
6-Feb-2019	6:20:00	0.00
6-Feb-2019	6:22:00	0.00
6-Feb-2019	6:24:00	0.00
6-Feb-2019	6:26:00	0.00
6-Feb-2019	6:28:00	0.00
6-Feb-2019	6:30:00	0.00
6-Feb-2019	6:32:00	0.00
6-Feb-2019	6:34:00	0.00
6-Feb-2019	6:36:00	0.00
6-Feb-2019	6:38:00	0.00
6-Feb-2019	6:40:00	0.00
6-Feb-2019	6:42:00	0.00
6-Feb-2019	6:44:00	0.00
6-Feb-2019	6:46:00	0.00
6-Feb-2019	6:48:00	0.00
6-Feb-2019	6:50:00	0.00
6-Feb-2019	6:52:00	0.00
6-Feb-2019	6:54:00	0.00
6-Feb-2019	6:56:00	0.00
6-Feb-2019	6:58:00	0.00
6-Feb-2019	7:00:00	0.00
6-Feb-2019	7:02:00	0.00
6-Feb-2019	7:04:00	0.00
6-Feb-2019	7:06:00	0.00
6-Feb-2019	7:08:00	0.00
6-Feb-2019	7:10:00	0.00
6-Feb-2019	7:12:00	0.00
6-Feb-2019	7:14:00	0.00
6-Feb-2019	7:16:00	0.00
6-Feb-2019	7:18:00	0.00
6-Feb-2019	7:20:00	0.00
6-Feb-2019	7:22:00	0.00
6-Feb-2019	7:24:00	0.00
6-Feb-2019	7:26:00	0.00

6-Feb-2019	7:28:00	0.00
6-Feb-2019	7:30:00	0.00
6-Feb-2019	7:32:00	0.10
6-Feb-2019	7:34:00	0.10
6-Feb-2019	7:36:00	0.10
6-Feb-2019	7:38:00	0.10
6-Feb-2019	7:40:00	0.10
6-Feb-2019	7:42:00	0.10
6-Feb-2019	7:44:00	0.10
6-Feb-2019	7:46:00	0.10
6-Feb-2019	7:48:00	0.10
6-Feb-2019	7:50:00	0.10
6-Feb-2019	7:52:00	0.00
6-Feb-2019	7:54:00	0.00
6-Feb-2019	7:56:00	0.00
6-Feb-2019	7:58:00	0.00
6-Feb-2019	8:00:00	0.00
6-Feb-2019	8:02:00	0.00
6-Feb-2019	8:04:00	0.00
6-Feb-2019	8:06:00	0.00
6-Feb-2019	8:08:00	0.00
6-Feb-2019	8:10:00	0.00
6-Feb-2019	8:12:00	0.00
6-Feb-2019	8:14:00	0.00
6-Feb-2019	8:16:00	0.00
6-Feb-2019	8:18:00	0.00
6-Feb-2019	8:20:00	0.00
6-Feb-2019	8:22:00	0.10
6-Feb-2019	8:24:00	0.10
6-Feb-2019	8:26:00	0.10
6-Feb-2019	8:28:00	0.10
6-Feb-2019	8:30:00	0.10
6-Feb-2019	8:32:00	0.10
6-Feb-2019	8:34:00	0.10
6-Feb-2019	8:36:00	0.10
6-Feb-2019	8:38:00	0.10
6-Feb-2019	8:40:00	0.10
6-Feb-2019	8:42:00	0.10
6-Feb-2019	8:44:00	0.10
6-Feb-2019	8:46:00	0.10
6-Feb-2019	8:48:00	0.10
6-Feb-2019	8:50:00	0.10
6-Feb-2019	8:52:00	0.10
6-Feb-2019	8:54:00	0.10
6-Feb-2019	8:56:00	0.10
6-Feb-2019	8:58:00	0.10
6-Feb-2019	9:00:00	0.10

6-Feb-2019	9:02:00	0.10
6-Feb-2019	9:04:00	0.10
6-Feb-2019	9:06:00	0.10
6-Feb-2019	9:08:00	0.10
6-Feb-2019	9:10:00	0.10
6-Feb-2019	9:12:00	0.20
6-Feb-2019	9:14:00	0.20
6-Feb-2019	9:16:00	0.20
6-Feb-2019	9:18:00	0.20
6-Feb-2019	9:20:00	0.20
6-Feb-2019	9:22:00	0.20
6-Feb-2019	9:24:00	0.40
6-Feb-2019	9:26:00	0.50
6-Feb-2019	9:28:00	0.50
6-Feb-2019	9:30:00	0.50
6-Feb-2019	9:32:00	0.50
6-Feb-2019	9:34:00	0.50
6-Feb-2019	9:36:00	0.20
6-Feb-2019	9:38:00	0.20
6-Feb-2019	9:40:00	0.00
6-Feb-2019	9:42:00	0.00
6-Feb-2019	9:44:00	0.00
6-Feb-2019	9:46:00	6.10
6-Feb-2019	9:48:00	5.50
6-Feb-2019	9:50:00	4.90
6-Feb-2019	9:52:00	4.60
6-Feb-2019	9:54:00	4.20
6-Feb-2019	9:56:00	3.90
6-Feb-2019	9:58:00	3.90
6-Feb-2019	10:00:00	3.90
6-Feb-2019	10:02:00	3.90
6-Feb-2019	10:04:00	3.90
6-Feb-2019	10:06:00	3.80
6-Feb-2019	10:08:00	3.80
6-Feb-2019	10:10:00	3.80
6-Feb-2019	10:12:00	3.80
6-Feb-2019	10:14:00	3.80
6-Feb-2019	10:16:00	4.30
6-Feb-2019	10:18:00	4.30
6-Feb-2019	10:20:00	4.30
6-Feb-2019	10:22:00	4.30
6-Feb-2019	10:24:00	4.30
6-Feb-2019	10:26:00	4.30
6-Feb-2019	10:28:00	3.60
6-Feb-2019	10:30:00	3.60
6-Feb-2019	10:32:00	3.60
6-Feb-2019	10:34:00	3.90

6-Feb-2019	10:36:00	3.90
6-Feb-2019	10:38:00	4.30
6-Feb-2019	10:40:00	4.30
6-Feb-2019	10:42:00	4.30
6-Feb-2019	10:44:00	4.60
6-Feb-2019	10:46:00	4.60
6-Feb-2019	10:48:00	4.60
6-Feb-2019	10:50:00	4.60
6-Feb-2019	10:52:00	4.60
6-Feb-2019	10:54:00	4.60
6-Feb-2019	10:56:00	4.60
6-Feb-2019	10:58:00	4.60
6-Feb-2019	11:00:00	3.80
6-Feb-2019	11:02:00	0.00
6-Feb-2019	11:04:00	0.00
6-Feb-2019	11:06:00	0.00
6-Feb-2019	11:08:00	0.00
6-Feb-2019	11:10:00	0.00
6-Feb-2019	11:12:00	0.00
6-Feb-2019	11:14:00	0.00
6-Feb-2019	11:16:00	0.00
6-Feb-2019	11:18:00	0.20
6-Feb-2019	11:20:00	0.20
6-Feb-2019	11:22:00	0.20
6-Feb-2019	11:24:00	0.00
6-Feb-2019	11:26:00	0.00
6-Feb-2019	11:28:00	0.00
6-Feb-2019	11:30:00	0.00
6-Feb-2019	11:32:00	0.00
6-Feb-2019	11:34:00	0.00
6-Feb-2019	11:36:00	0.00
6-Feb-2019	11:38:00	0.00
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14-Feb-2019	10:34:00	0.00
14-Feb-2019	10:36:00	0.90
14-Feb-2019	10:38:00	0.90
14-Feb-2019	10:40:00	0.60
14-Feb-2019	10:42:00	0.30
14-Feb-2019	10:44:00	0.00
14-Feb-2019	10:46:00	0.00
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14-Feb-2019	10:50:00	0.00
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14-Feb-2019	12:46:00	4.60

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25-Feb-2019	9:08:00	2.20

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25-Feb-2019	9:16:00	2.50
25-Feb-2019	9:18:00	2.50
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25-Feb-2019	9:30:00	1.60
25-Feb-2019	9:32:00	1.60
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25-Feb-2019	9:52:00	0.70
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25-Feb-2019	10:04:00	1.00
25-Feb-2019	10:06:00	0.70
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25-Feb-2019	12:38:00	5.60
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25-Feb-2019	13:36:00	3.80
25-Feb-2019	13:38:00	3.80
25-Feb-2019	13:40:00	3.80
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25-Feb-2019	13:44:00	3.50
25-Feb-2019	13:46:00	3.50
25-Feb-2019	13:48:00	3.50
25-Feb-2019	13:50:00	3.50

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25-Feb-2019	13:56:00	3.50
25-Feb-2019	13:58:00	3.80
25-Feb-2019	14:00:00	3.80
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25-Feb-2019	14:08:00	4.10
25-Feb-2019	14:10:00	4.40
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25-Feb-2019	16:56:00	0.00
25-Feb-2019	16:58:00	0.00

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26-Feb-2019	8:52:00	0.30
26-Feb-2019	8:54:00	0.30
26-Feb-2019	8:56:00	0.30
26-Feb-2019	8:58:00	0.30
26-Feb-2019	9:00:00	0.40
26-Feb-2019	9:02:00	0.70
26-Feb-2019	9:04:00	1.30
26-Feb-2019	9:06:00	1.90
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26-Feb-2019	9:48:00	0.10
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26-Feb-2019	9:52:00	0.40
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26-Feb-2019	9:56:00	0.40
26-Feb-2019	9:58:00	0.40
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26-Feb-2019	12:50:00	6.00
26-Feb-2019	12:52:00	5.40
26-Feb-2019	12:54:00	4.80
26-Feb-2019	12:56:00	4.50
26-Feb-2019	12:58:00	4.20
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26-Feb-2019	13:02:00	3.50
26-Feb-2019	13:04:00	3.50
26-Feb-2019	13:06:00	3.20
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26-Feb-2019	13:14:00	3.60
26-Feb-2019	13:16:00	3.60
26-Feb-2019	13:18:00	3.60
26-Feb-2019	13:20:00	3.60

26-Feb-2019	13:22:00	3.90
26-Feb-2019	13:24:00	3.90
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26-Feb-2019	13:28:00	0.10
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Asphalt Plant Data

Date	Time	Diff Press
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Asphalt Plant Data

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4-Apr-2019	12:56:00	4.00
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27-Apr-2019	8:56:00	5.90
27-Apr-2019	8:58:00	5.60
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27-Apr-2019	9:10:00	4.70
27-Apr-2019	9:12:00	4.40
27-Apr-2019	9:14:00	4.40
27-Apr-2019	9:16:00	4.40

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27-Apr-2019	12:32:00	5.40
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27-Apr-2019	12:36:00	4.10
27-Apr-2019	12:38:00	3.80
27-Apr-2019	12:40:00	4.20
27-Apr-2019	12:42:00	4.50
27-Apr-2019	12:44:00	4.80
27-Apr-2019	12:46:00	4.40
27-Apr-2019	12:48:00	4.10
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27-Apr-2019	12:52:00	4.80
27-Apr-2019	12:54:00	3.80
27-Apr-2019	12:56:00	3.20
27-Apr-2019	12:58:00	2.90
27-Apr-2019	13:00:00	2.90
27-Apr-2019	13:02:00	3.20
27-Apr-2019	13:04:00	3.20
27-Apr-2019	13:06:00	4.20
27-Apr-2019	13:08:00	3.80
27-Apr-2019	13:10:00	3.80
27-Apr-2019	13:12:00	3.50
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27-Apr-2019	13:22:00	4.10
27-Apr-2019	13:24:00	3.80
27-Apr-2019	13:26:00	3.50
27-Apr-2019	13:28:00	3.20
27-Apr-2019	13:30:00	3.20
27-Apr-2019	13:32:00	3.20
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27-Apr-2019	13:38:00	0.10
27-Apr-2019	13:40:00	0.10
27-Apr-2019	13:42:00	0.10
27-Apr-2019	13:44:00	4.80
27-Apr-2019	13:46:00	4.80
27-Apr-2019	13:48:00	4.20
27-Apr-2019	13:50:00	4.20
27-Apr-2019	13:52:00	3.90
27-Apr-2019	13:54:00	3.60
27-Apr-2019	13:56:00	3.60
27-Apr-2019	13:58:00	3.60

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27-Apr-2019	16:28:00	0.20
27-Apr-2019	16:30:00	0.20
27-Apr-2019	16:32:00	0.20
27-Apr-2019	16:34:00	0.20
27-Apr-2019	16:36:00	0.10
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27-Apr-2019	18:58:00	0.00
27-Apr-2019	19:00:00	0.00

Asphalt Plant Data

Date	Time	Diff Press
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1-May-2019	6:06:00	0.00
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1-May-2019	6:12:00	0.00
1-May-2019	6:14:00	0.00
1-May-2019	6:16:00	0.00
1-May-2019	6:18:00	0.00
1-May-2019	6:20:00	0.00
1-May-2019	6:22:00	0.00
1-May-2019	6:24:00	0.00
1-May-2019	6:26:00	0.00
1-May-2019	6:28:00	0.00
1-May-2019	6:30:00	0.00
1-May-2019	6:32:00	0.00
1-May-2019	6:34:00	0.00
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1-May-2019	6:50:00	0.00
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1-May-2019	8:28:00	0.30
1-May-2019	8:30:00	0.80
1-May-2019	8:32:00	0.80
1-May-2019	8:34:00	1.40
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22-May-2019	10:36:00	0.10
22-May-2019	10:38:00	0.10
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22-May-2019	10:44:00	5.90
22-May-2019	10:46:00	5.90

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22-May-2019	14:48:00	0.50
22-May-2019	14:50:00	0.50
22-May-2019	14:52:00	0.10
22-May-2019	14:54:00	0.10
22-May-2019	14:56:00	0.10
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22-May-2019	15:36:00	0.60
22-May-2019	15:38:00	0.60
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22-May-2019	19:00:00	0.00

Asphalt Plant Data

Date	Time	Diff Press
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20-Jun-2019	6:16:00	0.00
20-Jun-2019	6:18:00	0.00
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20-Jun-2019	6:48:00	0.00
20-Jun-2019	6:50:00	0.00
20-Jun-2019	6:52:00	0.20
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20-Jun-2019	6:58:00	0.20
20-Jun-2019	7:00:00	0.20
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20-Jun-2019	8:28:00	0.50
20-Jun-2019	8:30:00	0.80
20-Jun-2019	8:32:00	0.80
20-Jun-2019	8:34:00	0.80
20-Jun-2019	8:36:00	1.10
20-Jun-2019	8:38:00	1.40
20-Jun-2019	8:40:00	2.00
20-Jun-2019	8:42:00	2.30
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20-Jun-2019	8:54:00	2.70
20-Jun-2019	8:56:00	2.70
20-Jun-2019	8:58:00	2.50
20-Jun-2019	9:00:00	2.30

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20-Jun-2019	9:34:00	6.50
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20-Jun-2019	9:38:00	5.90
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20-Jun-2019	10:06:00	2.00
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26-Jun-2019	8:42:00	1.70
26-Jun-2019	8:44:00	2.00
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26-Jun-2019	8:48:00	2.30
26-Jun-2019	8:50:00	2.60
26-Jun-2019	8:52:00	2.60
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26-Jun-2019	9:38:00	0.80
26-Jun-2019	9:40:00	0.80
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26-Jun-2019	10:26:00	0.80
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26-Jun-2019	10:32:00	0.50
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27-Jun-2019	12:46:00	3.00

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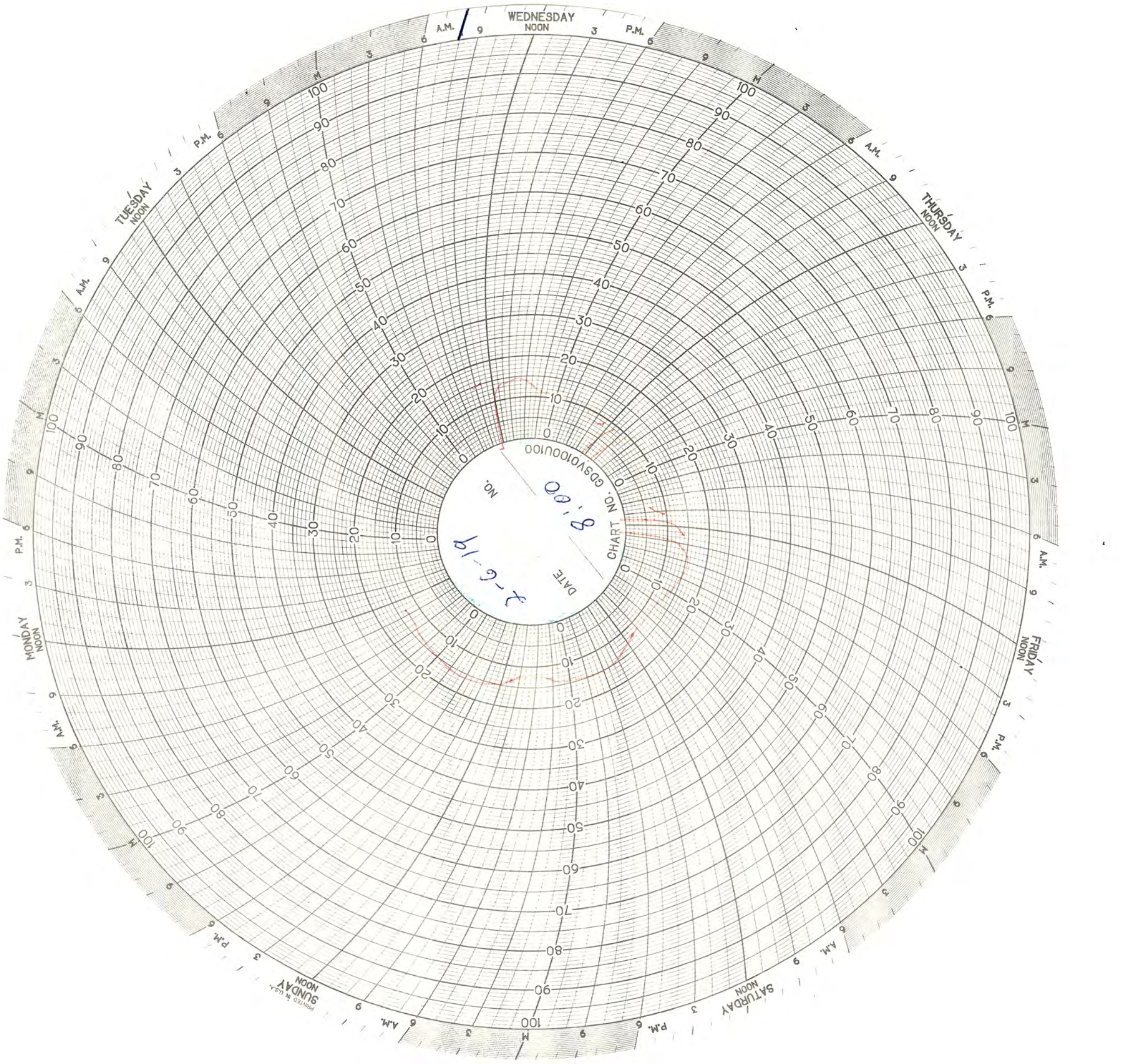
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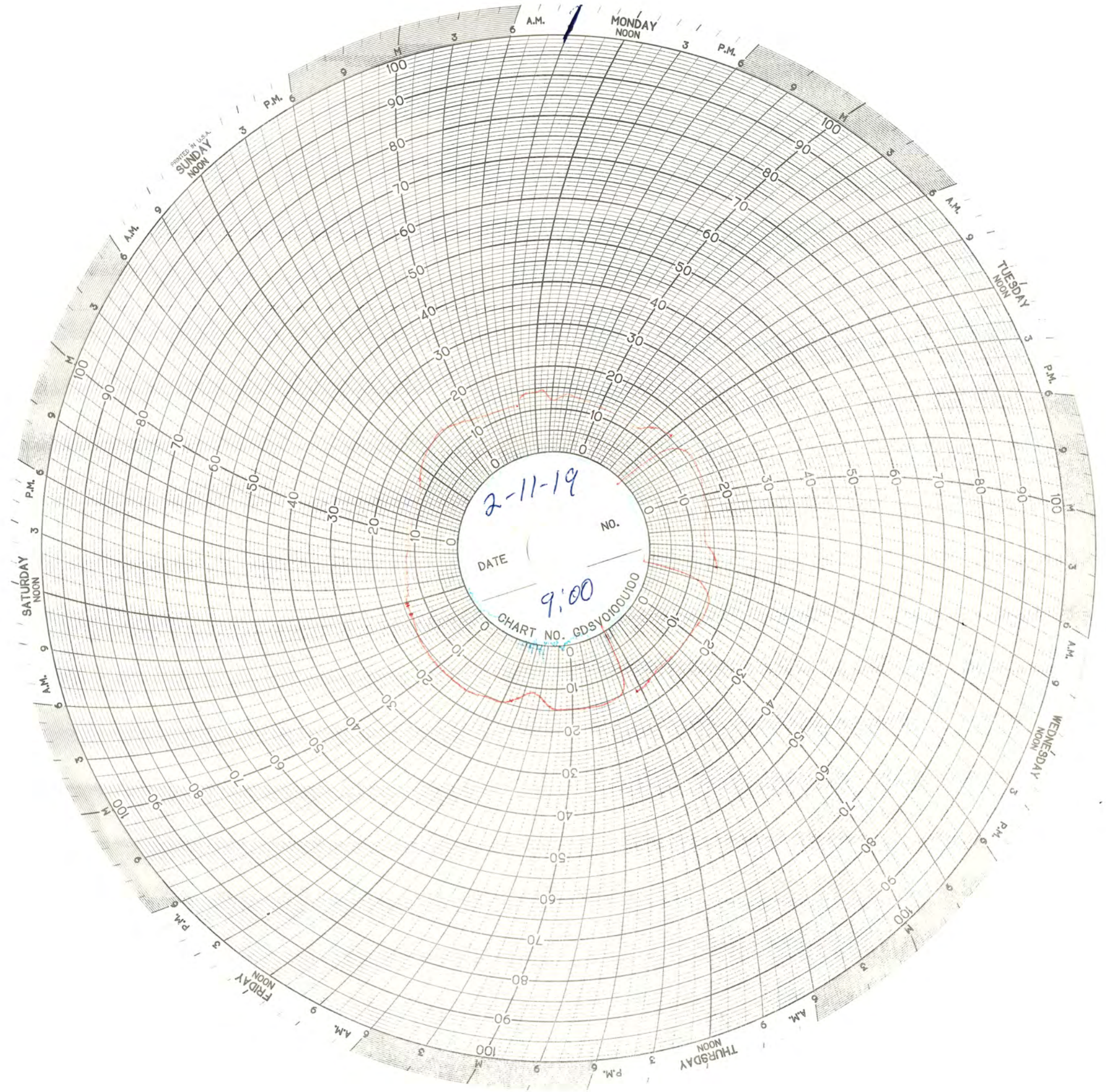
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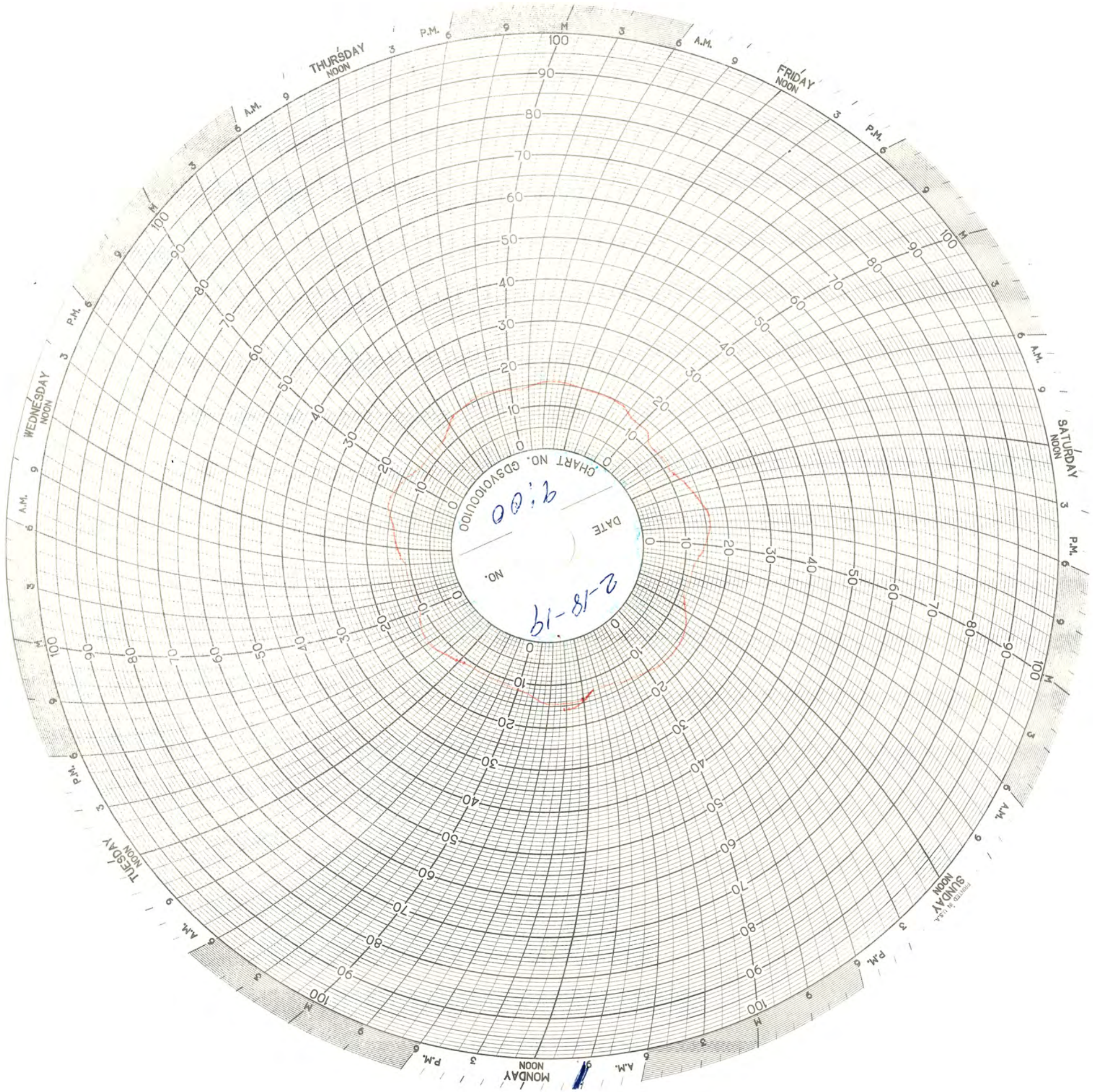
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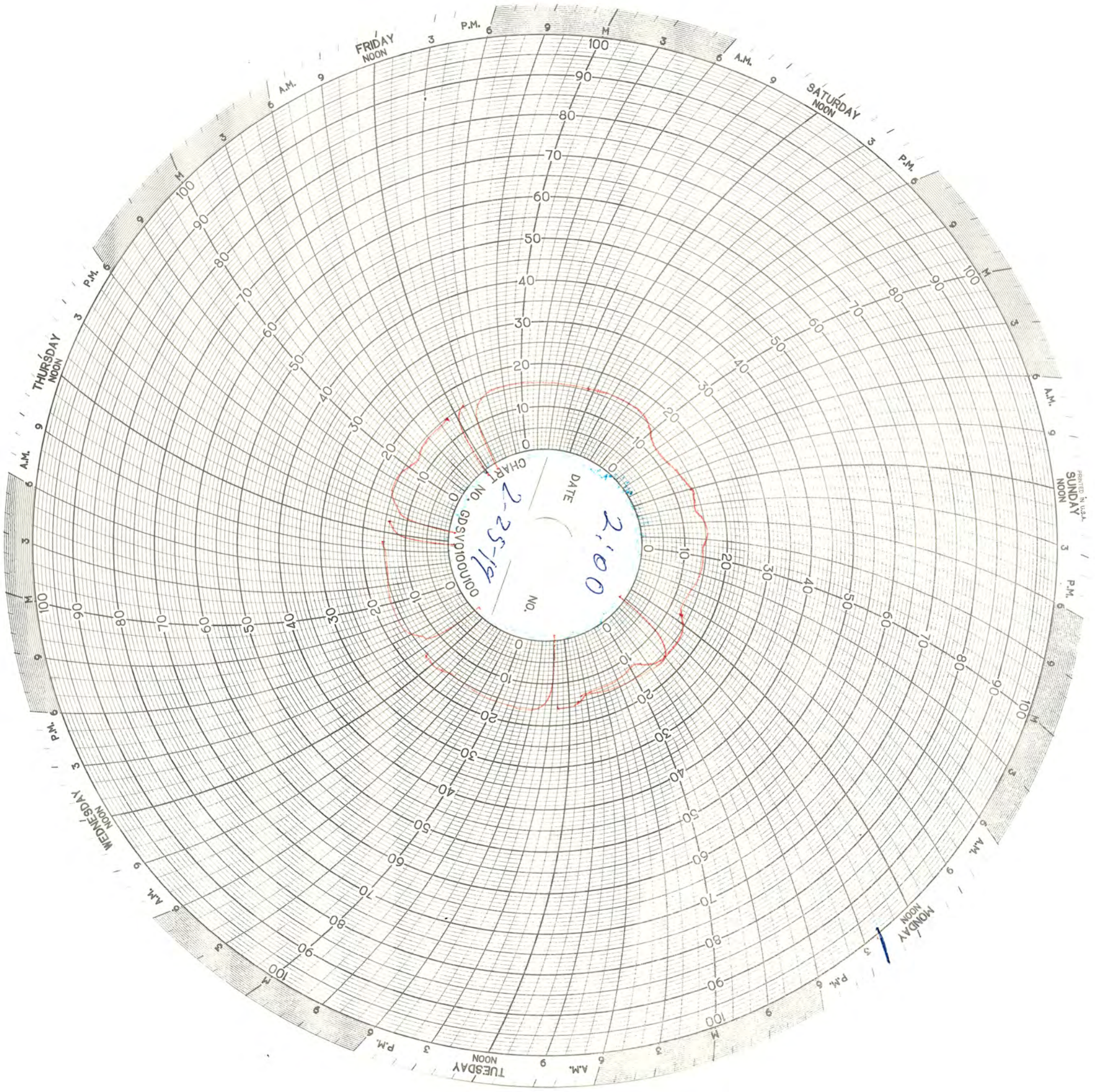
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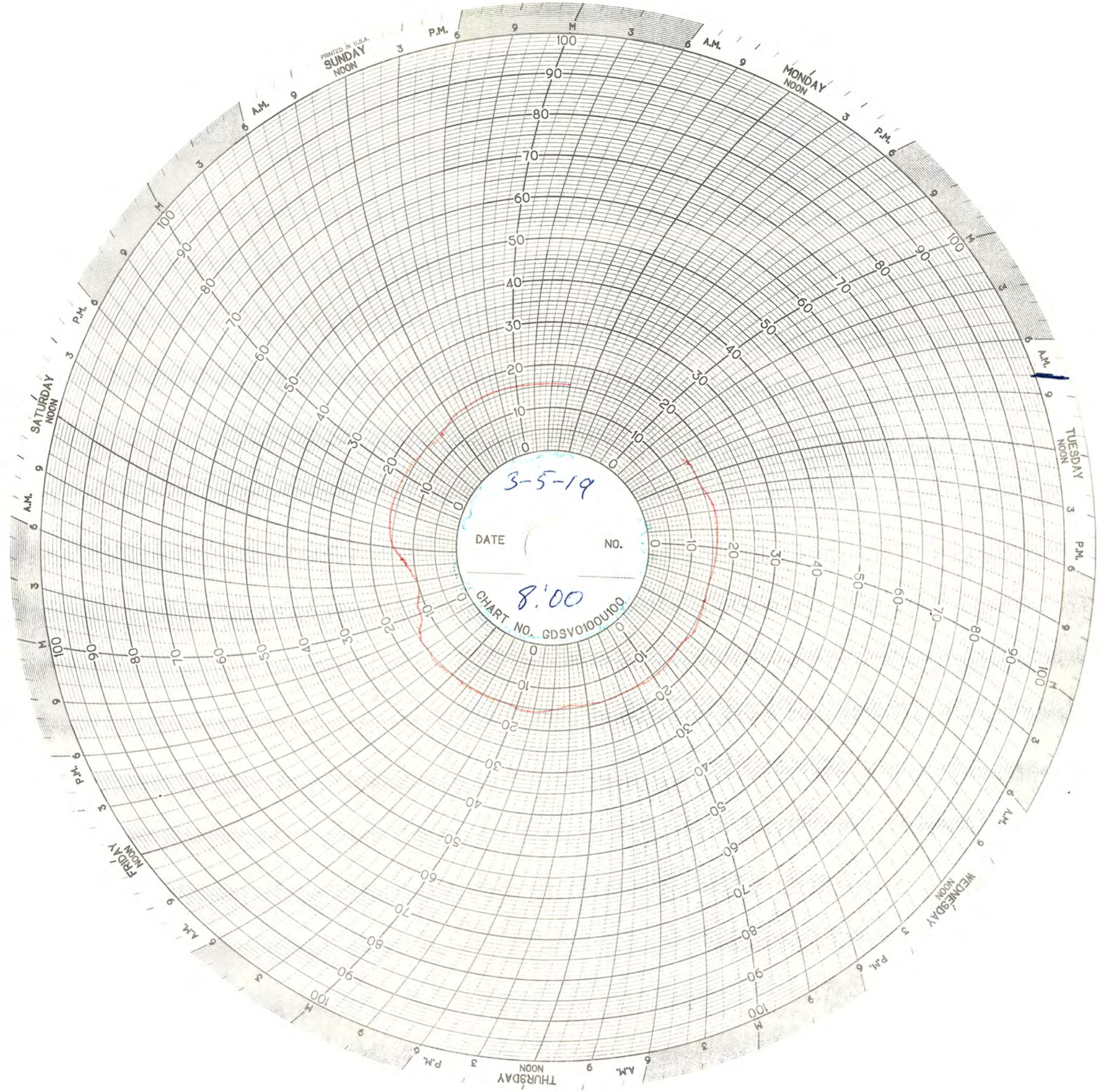
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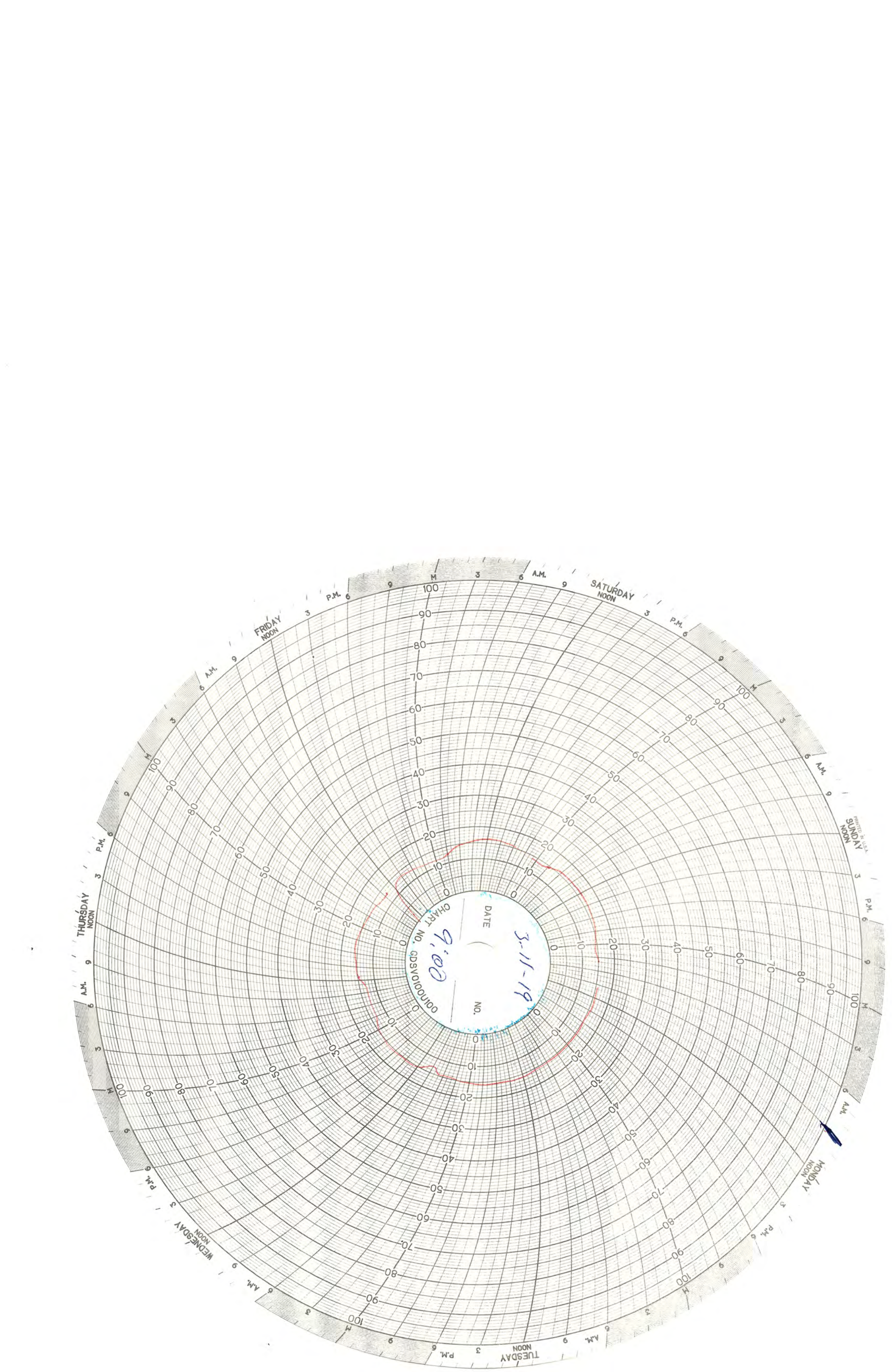
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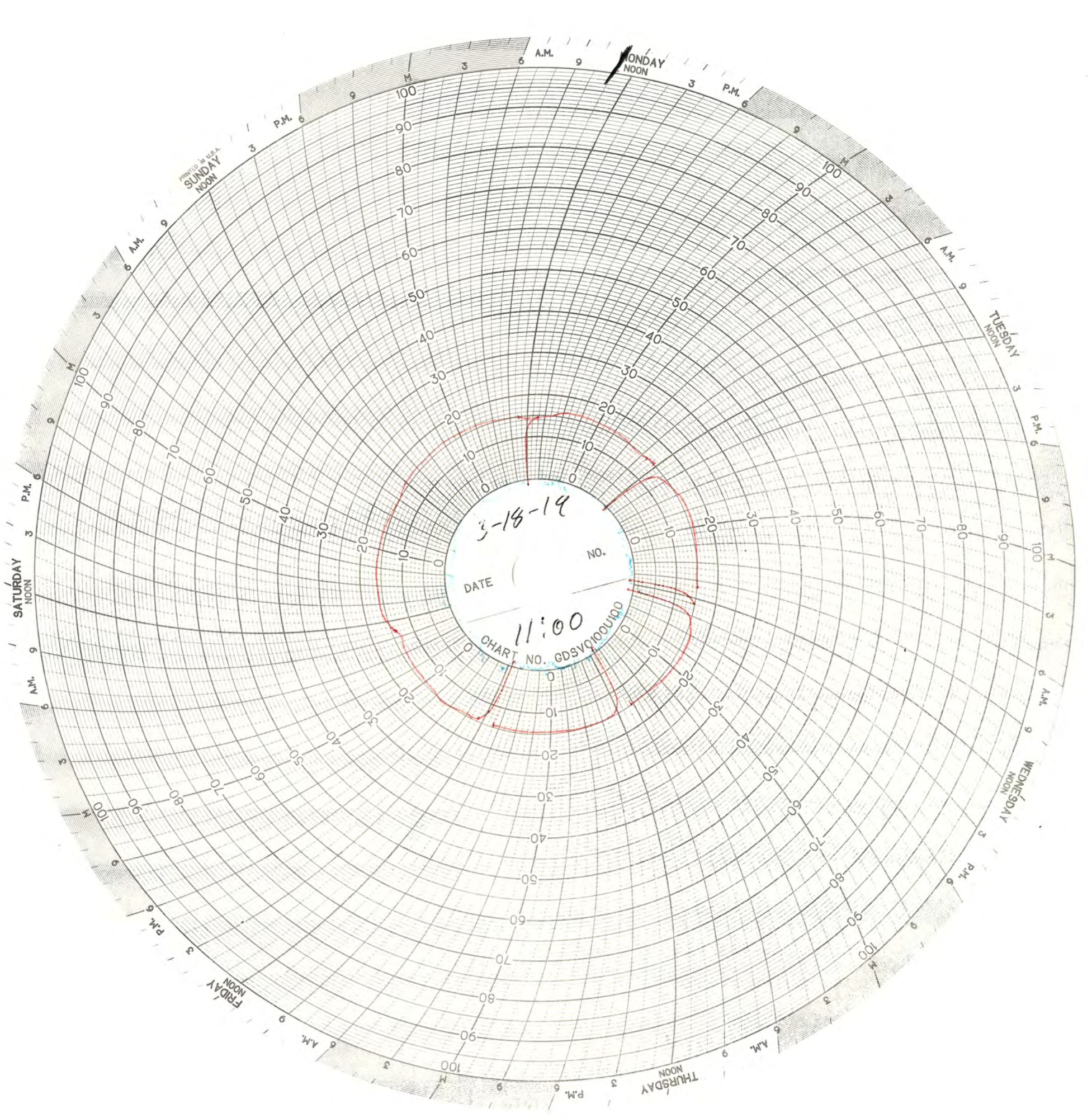
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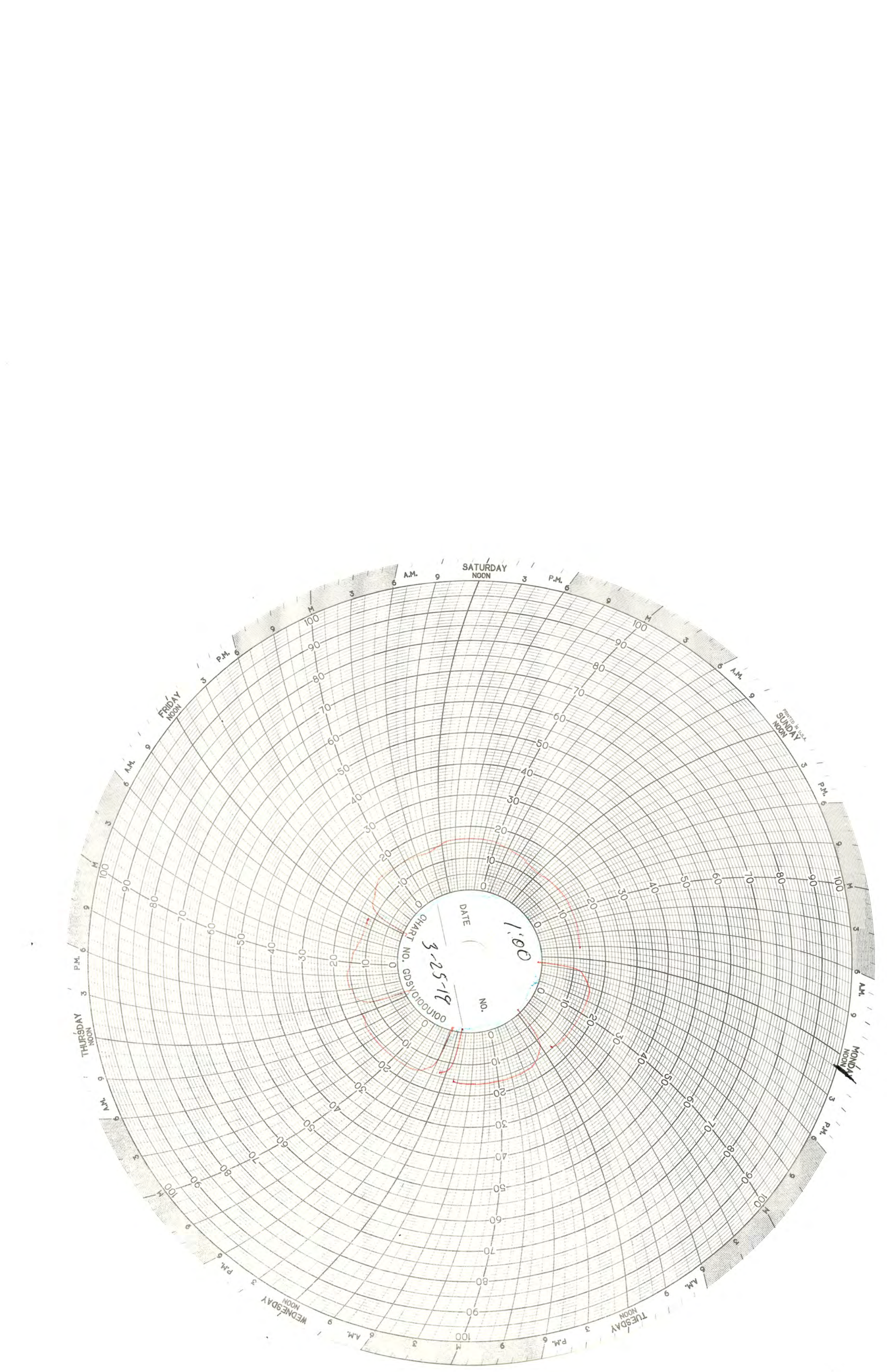
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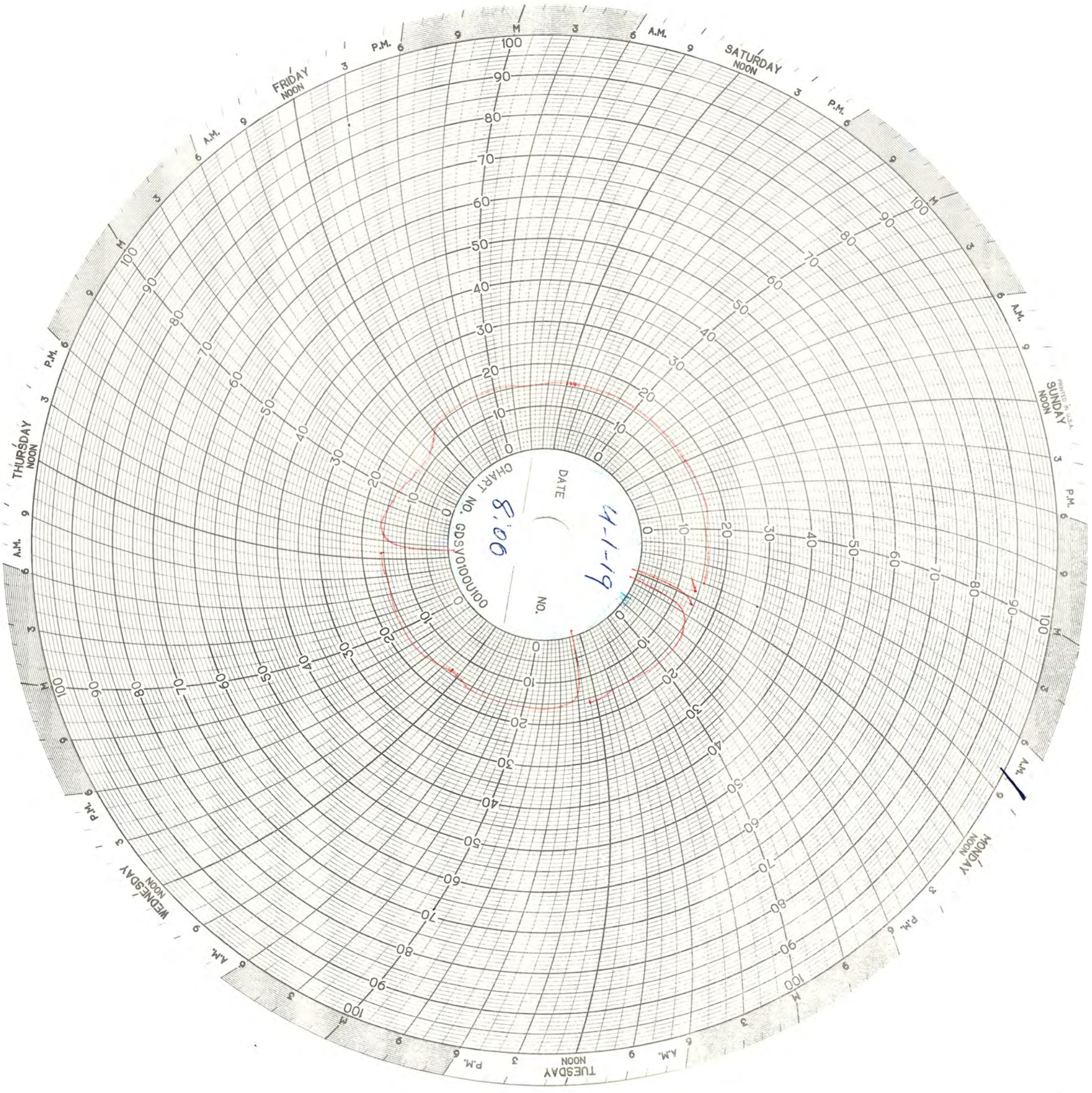

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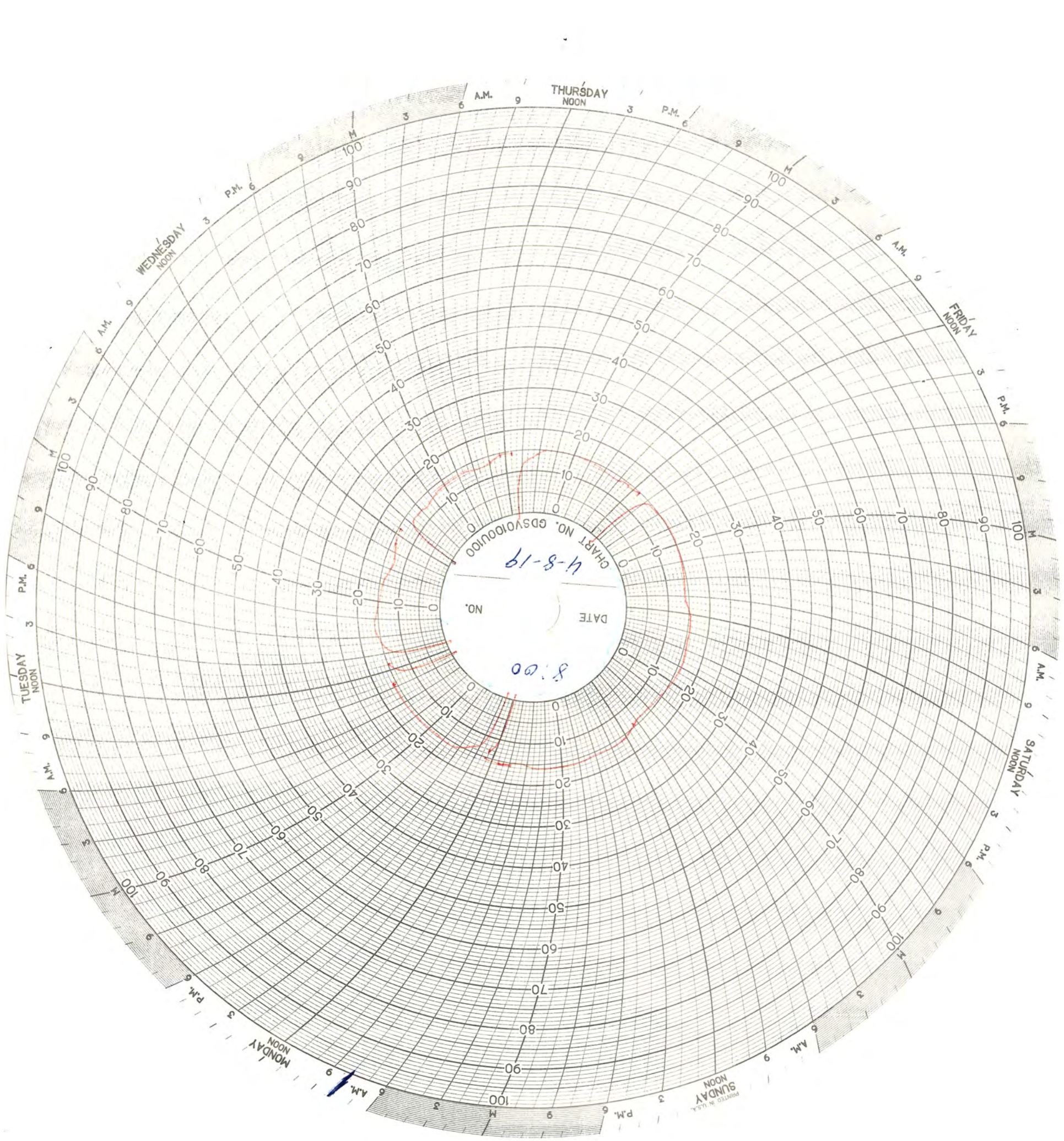
4-1-19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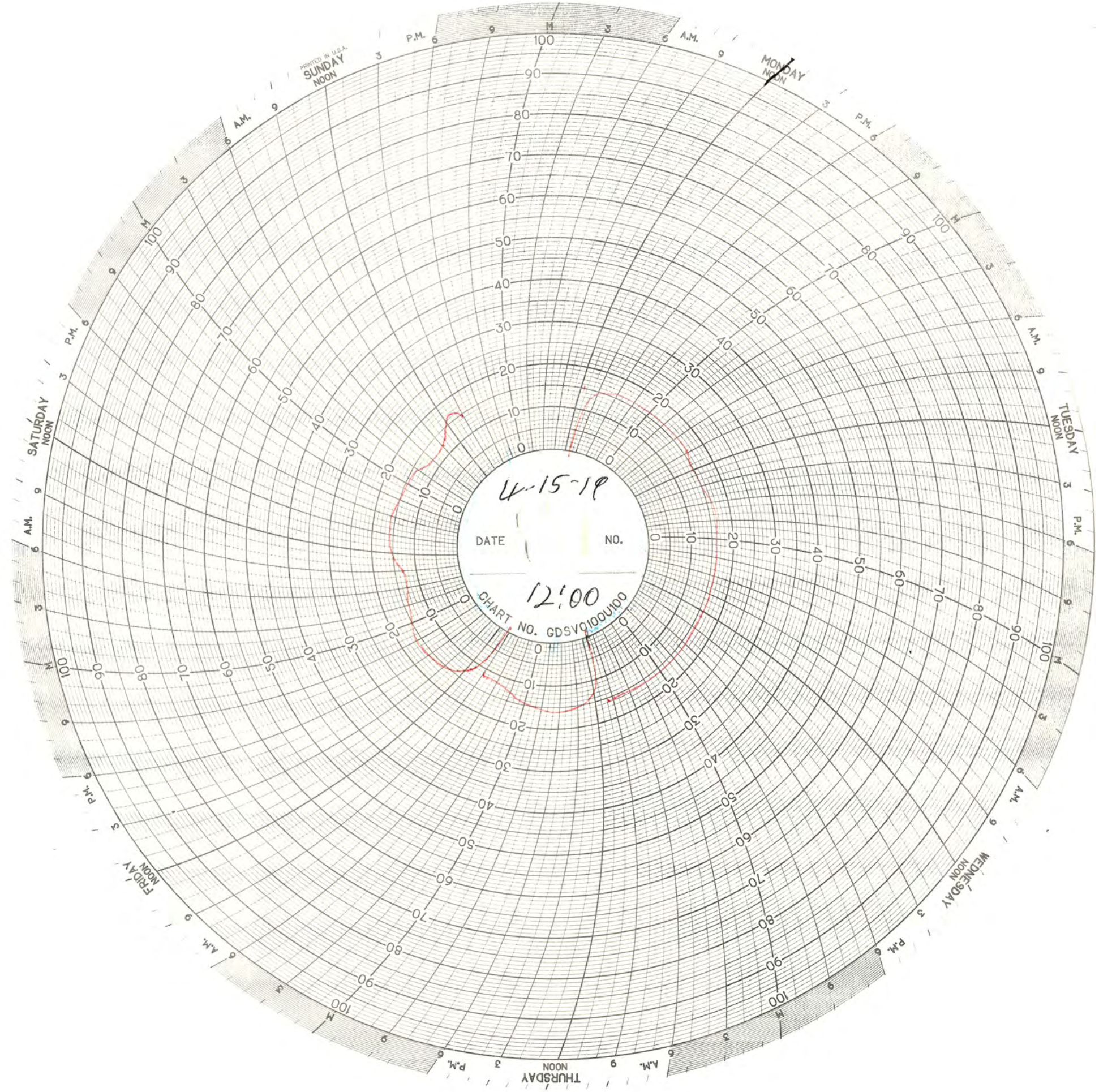

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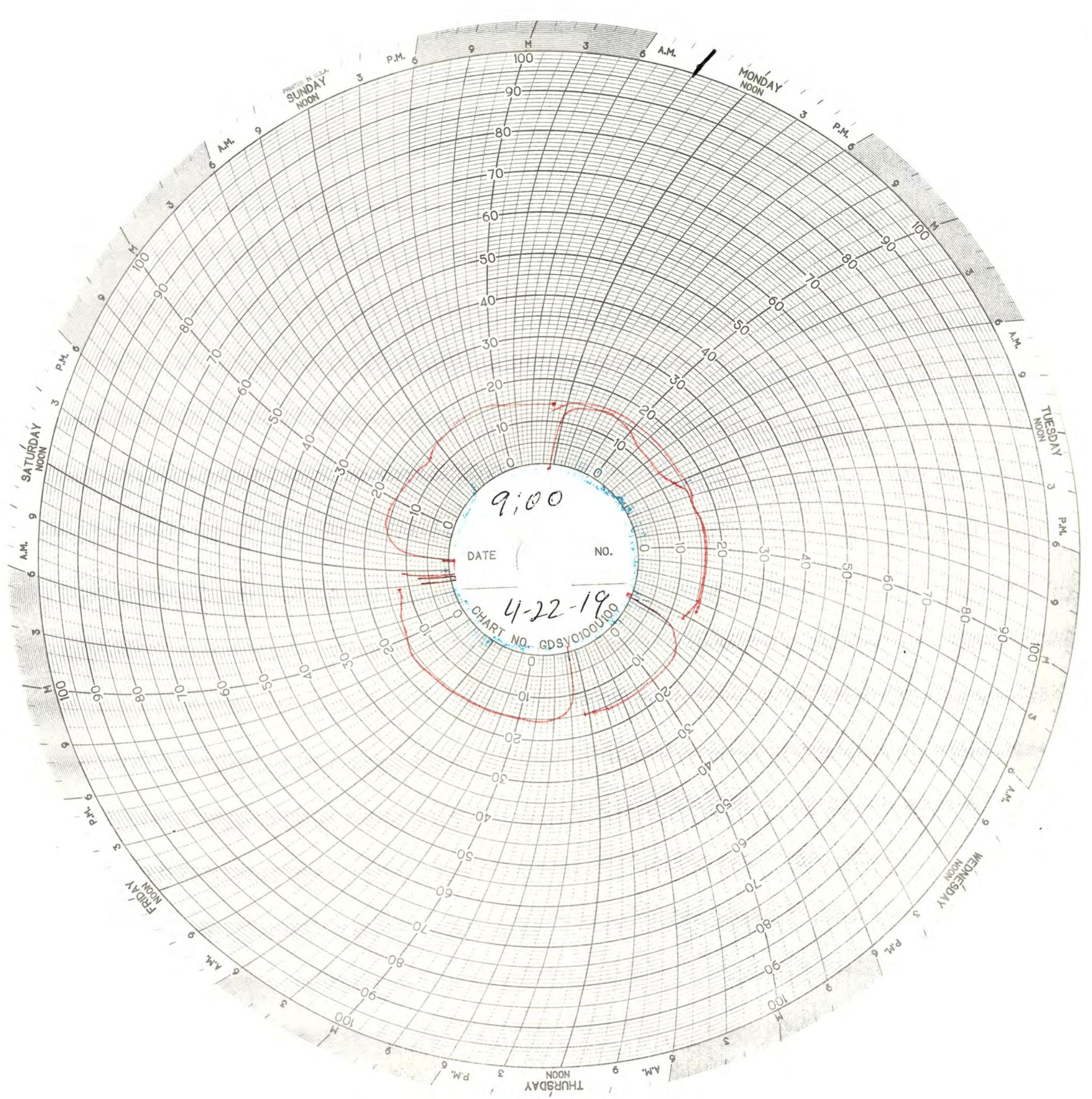
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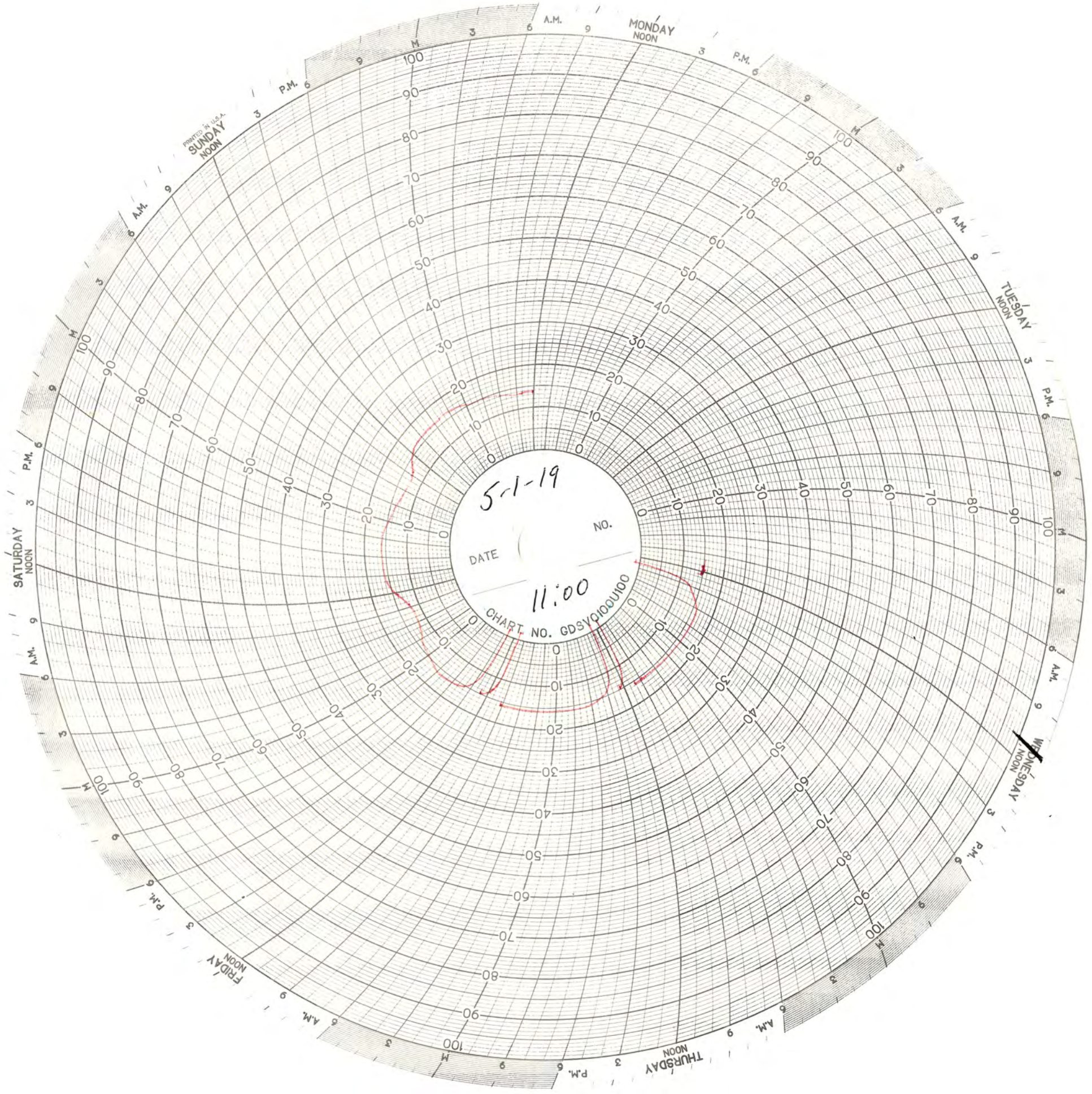
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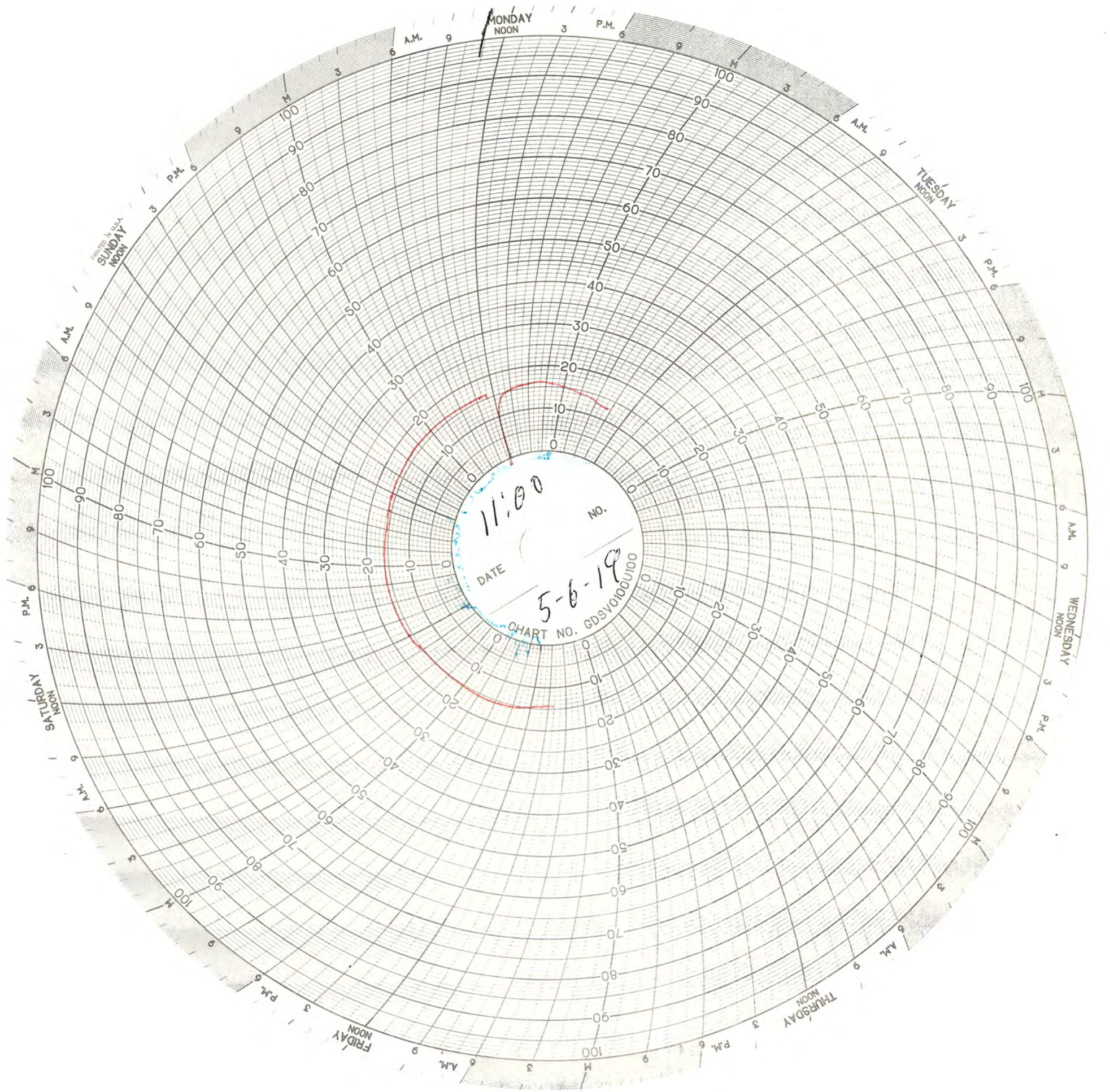
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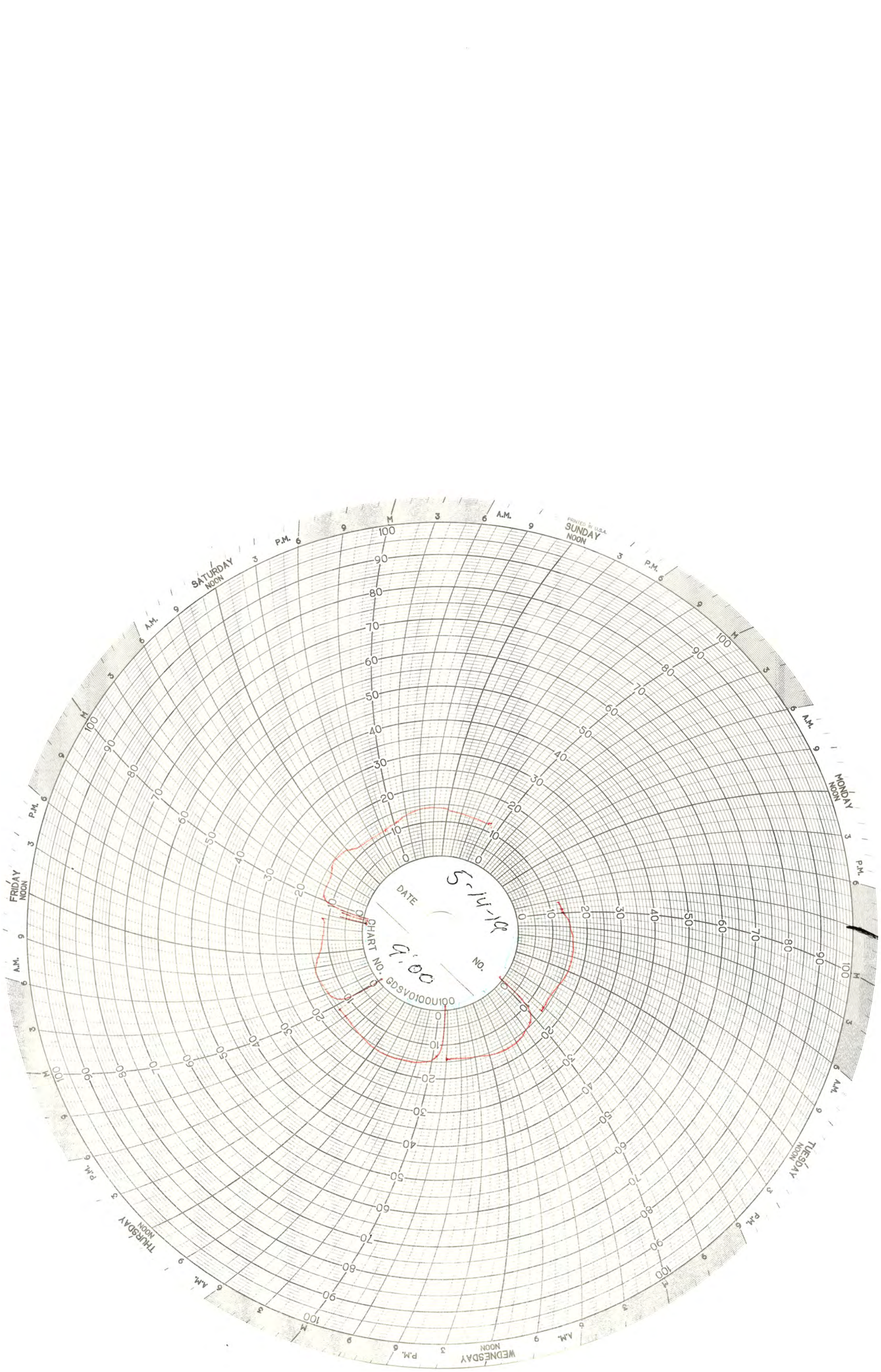
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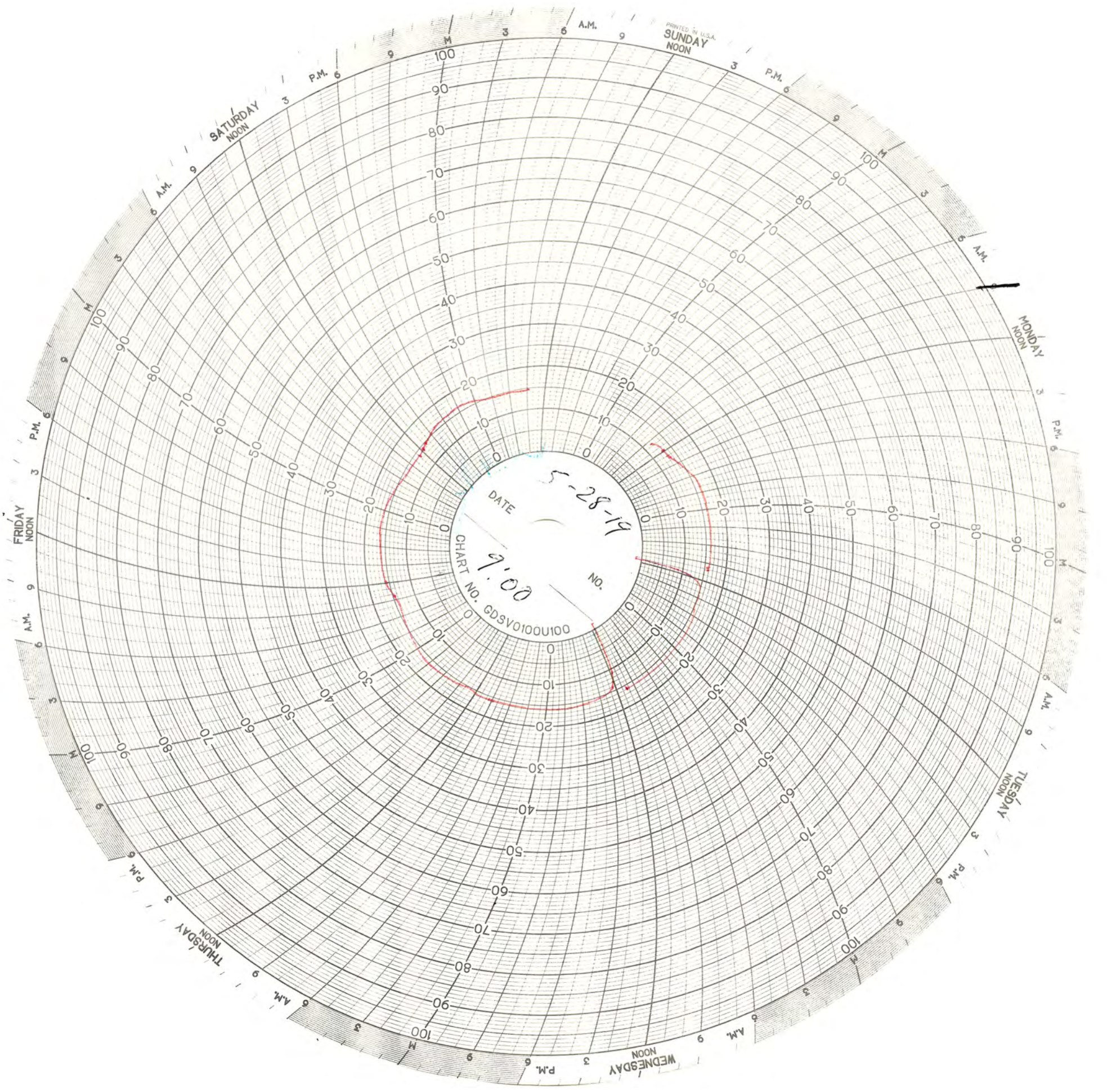
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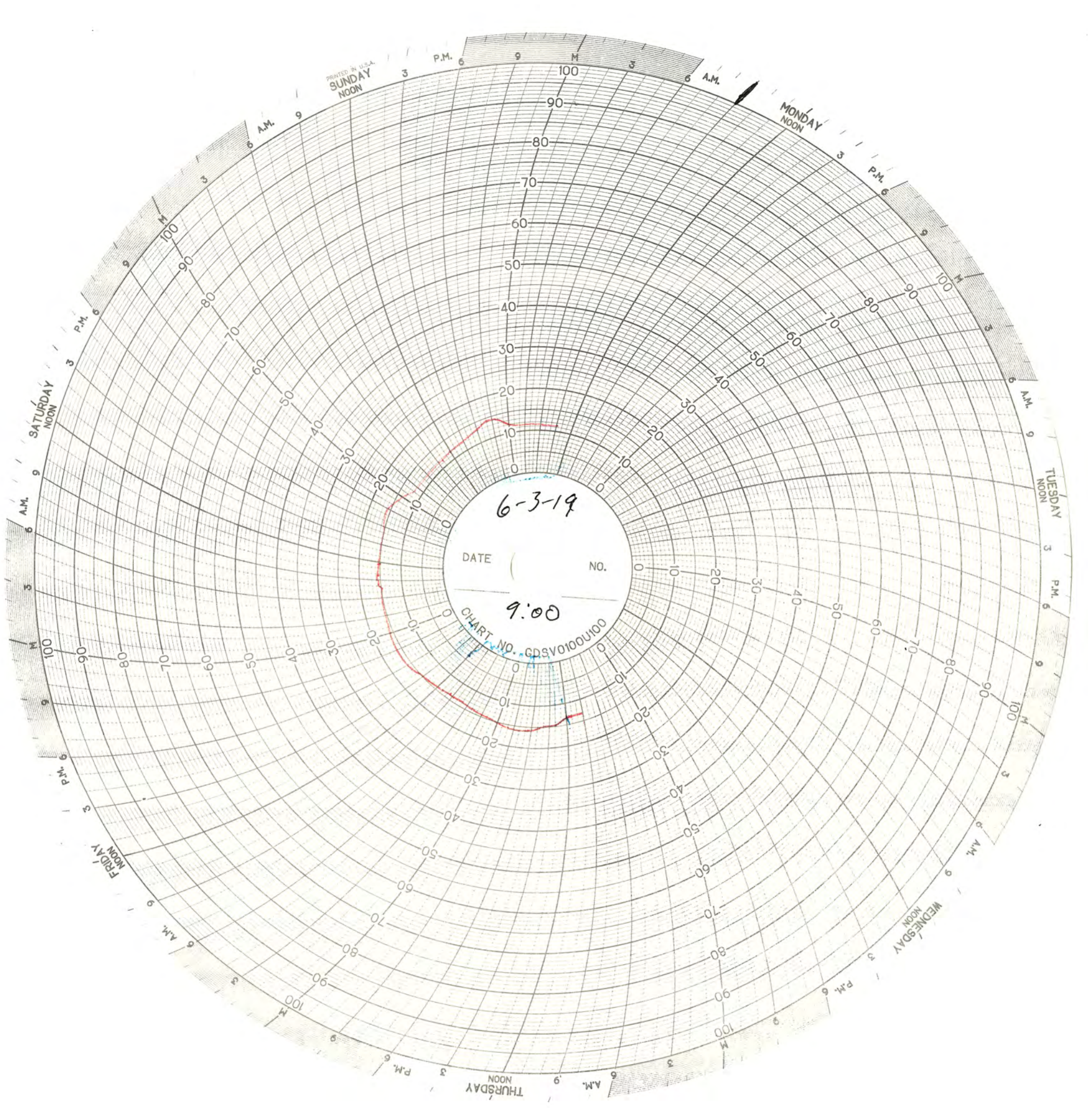
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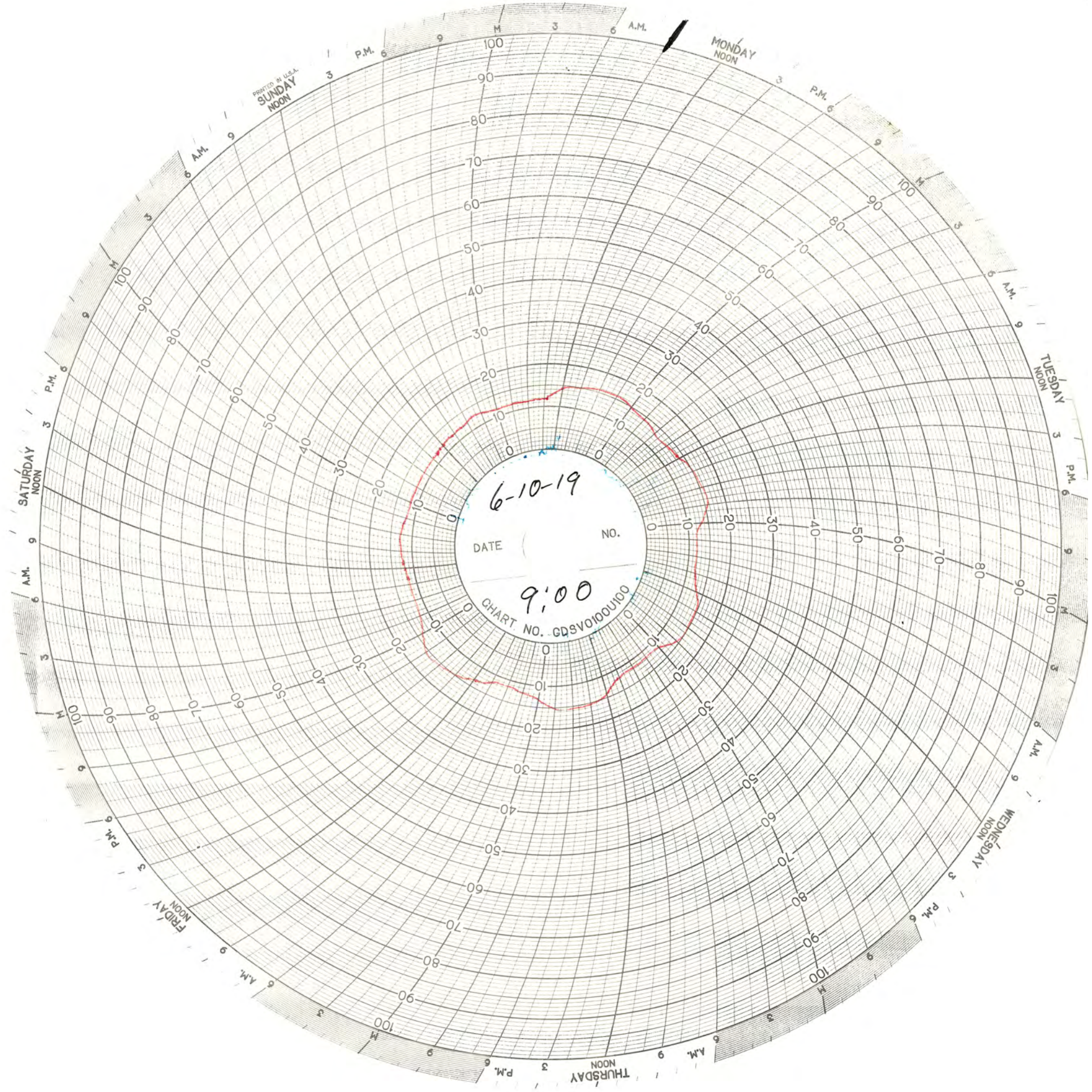

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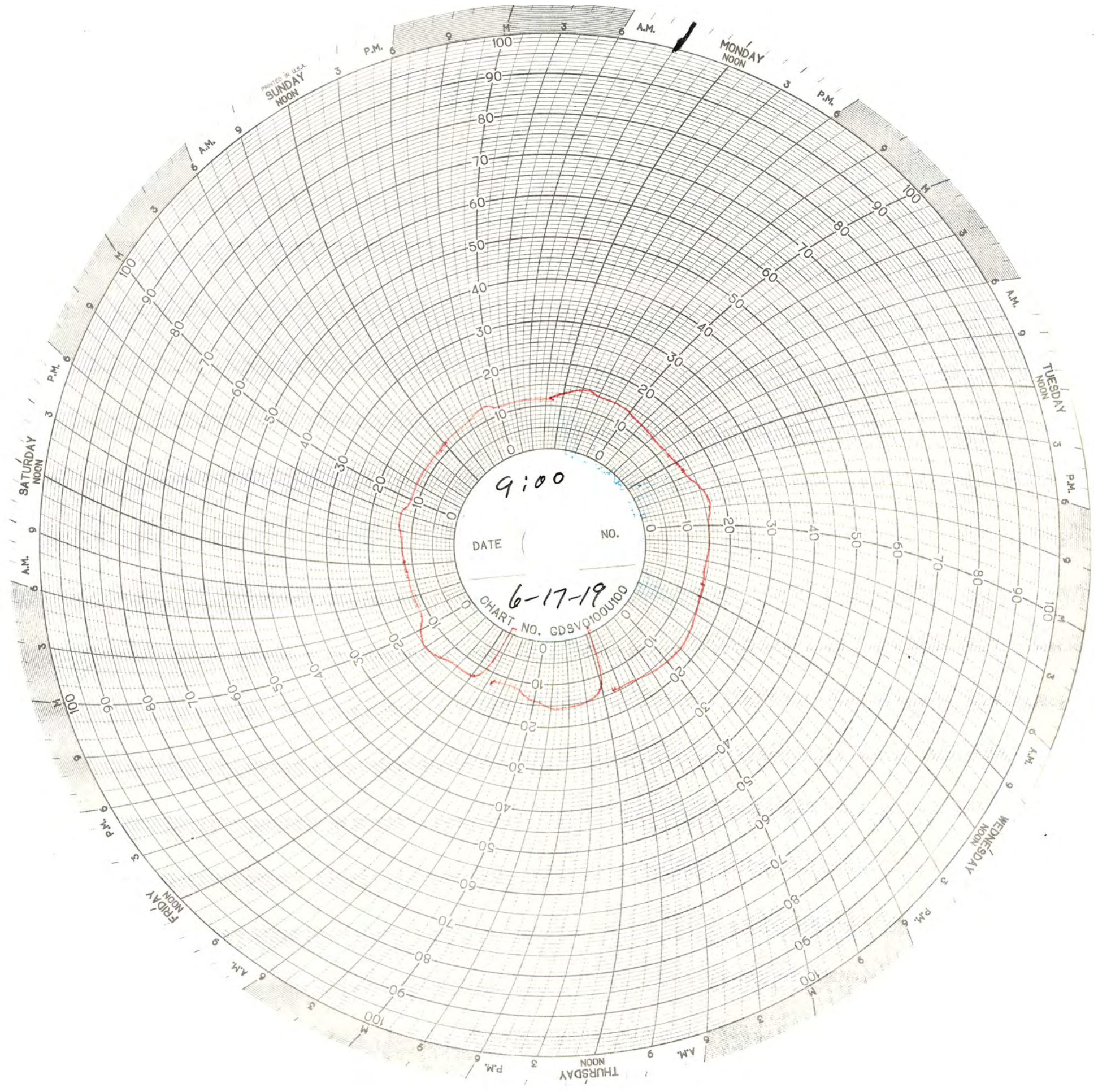
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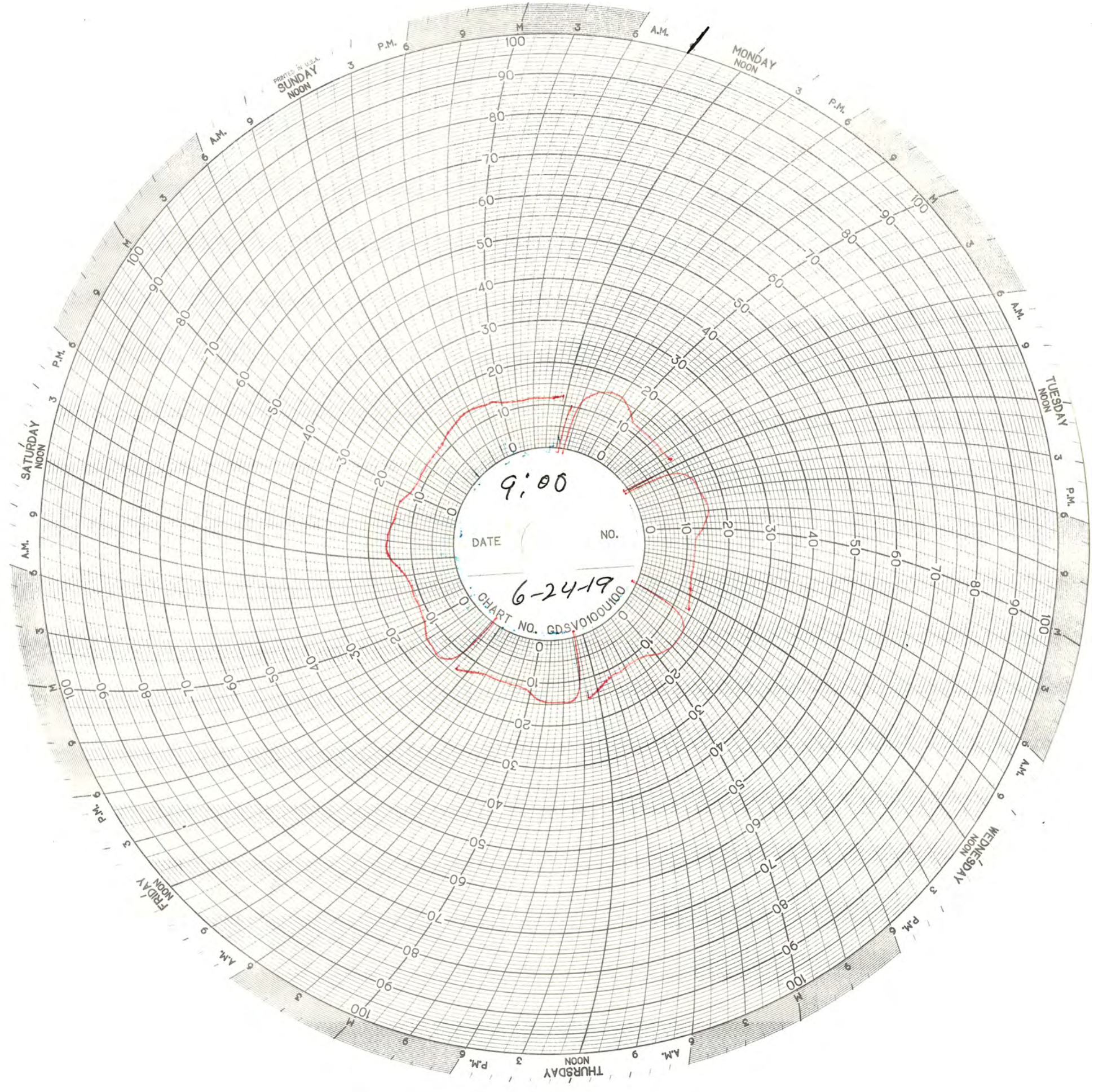

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ATTACHMENT A607.C.

Asphalt Plant

EPA Method 9 Opacity Reports

Los Alamos

LOS ALAMOS NATIONAL LABORATORY (LANL)
VISIBLE EMISSION OBSERVATION FORM (6 MINUTE)

Source Name: TA-60 Asphalt Batch Plant

Source Location: TA-60-233

Type of Source: Asphalt Plant

Type of Control Equipment: Baghouse

Describe Emission Point (Top of stack, etc.): Top of stack

Height Above Ground Level: 33 Feet

Height Relative to Observer: 26 Feet

Distance From Observer: 65 Feet

Direction of Source From Observer: W/NW

Description of Plume (stack exit only)
☐Lofting ☐Trapping ☐Looping ☐Fanning ☐Coning
☑No Plume Present

Emission Color: N/A

Plume Type ☑No Plume Present ☐Continuous ☐Fugitive ☐Intermittent

Water Droplets Present?
☑NO ☐YES If YES, droplet plume is ☐Attached ☐Detached

At what point in the plume was opacity determined? 6" above Stack height

Describe Background (i.e. blue sky, trees, etc.): Blue Sky

Background Color: Blue

Sky Conditions: Clear

Wind Speed: 0 mph

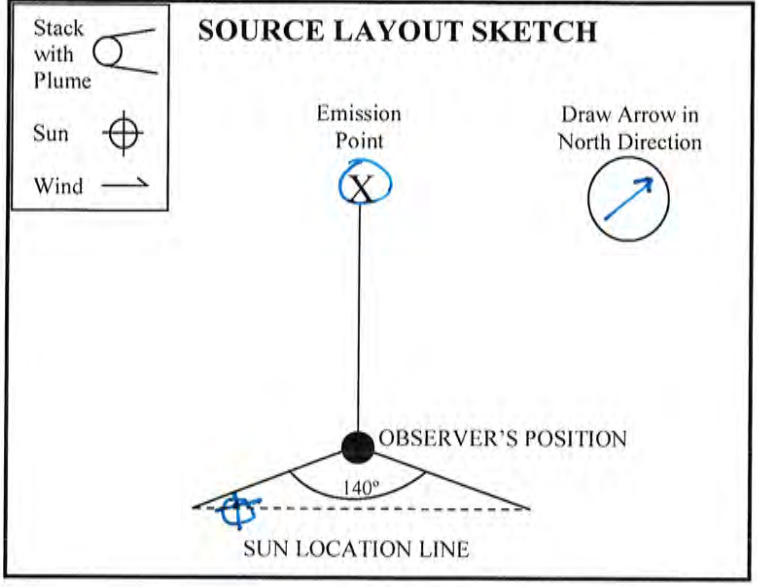
Wind Direction (provide from/to, i.e. from North to South): N/A

Ambient Temperature: 40 °F

Relative Humidity: 23 %

Additional Comments/Information: Steam only.

SOURCE LAYOUT SKETCH



Observation Date: 2/13/19 | Start Time: 12:32 | End Time: 12:38

Min \ Sec	0	15	30	45	Comments
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2	0	0	0	0	
3	0	0	0	0	
4	0	0	0	0	
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Average 6-Minute Opacity: 0

Range of Opacity Readings: Min. 0 Max. 0

OBSERVER (please print)
Name: Jillian Burgin Title: DEP

Signature: JBurgin Date: 2/13/19

Observer Organization: DESH-415

Certified by: ETA Certification Date: 8/22/18

Time	Temperature	Dew Point	Humidity	Wind	Wind Speed	Wind Gust	Pressure	Precip.	Precip Acc
12:15 PM	38 ° F	5 ° F	25 %	CALM	0 mph	0 mph	23.1 in	0.0 in	0.0 in
12:35 PM	40 ° F	4 ° F	23 %	CALM	0 mph	0 mph	23.0 in	0.0 in	0.0 in
12:55 PM	41 ° F	5 ° F	22 %	CALM	0 mph	0 mph	23.0 in	0.0 in	0.0 in
1:15 PM	42 ° F	8 ° F	24 %	CALM	0 mph	0 mph	23.0 in	0.0 in	0.0 in
1:35 PM	44 ° F	6 ° F	22 %	SE	3 mph	0 mph	23.0 in	0.0 in	0.0 in
1:55 PM	45 ° F	8 ° F	22 %	SSE	6 mph	0 mph	23.0 in	0.0 in	0.0 in
2:15 PM	45 ° F	12 ° F	26 %	E	5 mph	0 mph	23.0 in	0.0 in	0.0 in
2:35 PM	45 ° F	11 ° F	25 %	CALM	0 mph	0 mph	23.0 in	0.0 in	0.0 in
2:55 PM	46 ° F	11 ° F	25 %	ENE	5 mph	0 mph	23.0 in	0.0 in	0.0 in
3:15 PM	46 ° F	11 ° F	24 %	ESE	7 mph	0 mph	23.0 in	0.0 in	0.0 in
3:35 PM	46 ° F	9 ° F	22 %	SE	9 mph	0 mph	23.0 in	0.0 in	0.0 in
3:55 PM	50 ° F	3 ° F	14 %	SSW	5 mph	0 mph	23.0 in	0.0 in	0.0 in
4:15 PM	51 ° F	0 ° F	12 %	S	8 mph	0 mph	23.0 in	0.0 in	0.0 in
4:35 PM	51 ° F	-1 ° F	12 %	S	6 mph	0 mph	23.0 in	0.0 in	0.0 in
4:55 PM	49 ° F	-1 ° F	12 %	SSE	3 mph	0 mph	23.0 in	0.0 in	0.0 in
5:15 PM	45 ° F	5 ° F	19 %	S	8 mph	0 mph	23.0 in	0.0 in	0.0 in
5:35 PM	43 ° F	5 ° F	21 %	S	5 mph	0 mph	23.0 in	0.0 in	0.0 in
5:55 PM	43 ° F	5 ° F	21 %	S	3 mph	0 mph	23.0 in	0.0 in	0.0 in
6:15 PM	41 ° F	6 ° F	24 %	S	7 mph	0 mph	23.0 in	0.0 in	0.0 in
6:35 PM	40 ° F	6 ° F	24 %	CALM	0 mph	0 mph	23.0 in	0.0 in	0.0 in
6:55 PM	40 ° F	6 ° F	25 %	S	7 mph	0 mph	23.0 in	0.0 in	0.0 in
7:15 PM	39 ° F	5 ° F	25 %	SW	5 mph	0 mph	23.0 in	0.0 in	0.0 in
7:35 PM	38 ° F	6 ° F	26 %	S	6 mph	0 mph	23.0 in	0.0 in	0.0 in
7:55 PM	38 ° F	6 ° F	26 %	WSW	8 mph	0 mph	23.0 in	0.0 in	0.0 in
8:15 PM	40 ° F	5 ° F	24 %	S	8 mph	0 mph	23.0 in	0.0 in	0.0 in
8:35 PM	43 ° F	6 ° F	22 %	WNW	5 mph	0 mph	23.0 in	0.0 in	0.0 in
8:55 PM	42 ° F	14 ° F	31 %	SW	12 mph	32 mph	23.1 in	0.0 in	0.0 in
9:15 PM	42 ° F	15 ° F	33 %	S	6 mph	0 mph	23.0 in	0.0 in	0.0 in
9:35 PM	40 ° F	20 ° F	44 %	SSW	6 mph	18 mph	23.0 in	0.0 in	0.0 in
9:55 PM	39 ° F	22 ° F	51 %	WSW	9 mph	0 mph	23.0 in	0.0 in	0.0 in
10:15 PM	39 ° F	20 ° F	46 %	SE	6 mph	0 mph	23.0 in	0.0 in	0.0 in
10:35 PM	38 ° F	20 ° F	48 %	SW	5 mph	0 mph	23.1 in	0.0 in	0.0 in
10:55 PM	38 ° F	22 ° F	53 %	SSW	3 mph	0 mph	23.0 in	0.0 in	0.0 in
11:15 PM	37 ° F	22 ° F	55 %	NW	3 mph	0 mph	23.0 in	0.0 in	0.0 in
11:35 PM	38 ° F	22 ° F	54 %	SW	3 mph	0 mph	23.0 in	0.0 in	0.0 in
11:55 PM	38 ° F	24 ° F	57 %	SW	10 mph	0 mph	23.0 in	0.0 in	0.0 in

Los Alamos
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The World's Greatest Science Protecting America

LOS ALAMOS NATIONAL LABORATORY (LANL)
VISIBLE EMISSION OBSERVATION FORM (6 MINUTE)

Source Name: TA-60 Asphalt Batch Plant

Source Location: TA-60-233

Type of Source: Asphalt Plant

Type of Control Equipment: Baghouse

Describe Emission Point (Top of stack, etc.): Top of Stack

Height Above Ground Level: 33 Feet

Height Relative to Observer: 26 Feet

Distance From Observer: 65 Feet

Direction of Source From Observer: W/NW

Description of Plume (stack exit only)
☐Lofting ☐Trapping ☐Looping ☐Fanning ☐Coning
☑No Plume Present

Emission Color: N/A

Plume Type ☑No Plume Present ☐Continuous ☐Fugitive ☐Intermittent

Water Droplets Present?
☑NO ☐YES If YES, droplet plume is ☐Attached ☐Detached

At what point in the plume was opacity determined?
6" above stack height

Describe Background (i.e. blue sky, trees, etc.): Blue Sky

Background Color: Blue

Sky Conditions: Clear

Wind Speed: 7.6 mph

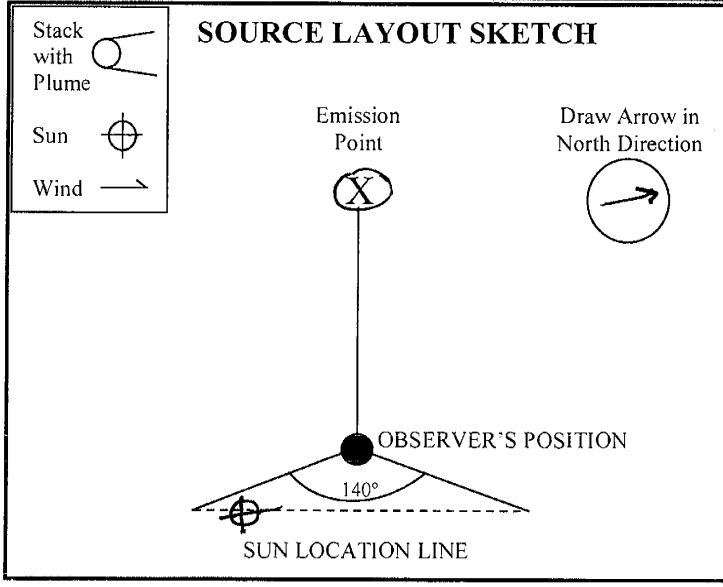
Wind Direction (provide from/to, i.e. from North to South): NNW - SSE

Ambient Temperature: 64 °F

Relative Humidity: 13 %

Additional Comments/Information:
N/A

SOURCE LAYOUT SKETCH



Observation Date: 3/28/19 | Start Time: 11:32 | End Time: 11:38

Min \ Sec	0	15	30	45	Comments
1	0	0	0	0	
2	0	0	0	0	
3	0	0	0	0	
4	0	0	0	0	
5	0	0	0	0	
6	0	0	0	0	
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Average 6-Minute Opacity: 0

Range of Opacity Readings: Min. 0 Max. 0

OBSERVER (please print)
Name: Jillian Burgin Title: DEP

Signature: JBurgin Date: 3/28/19

Observer Organization: DESH-UIS

Certified by: ETA Certification Date: 2/20/19

The Weather Machine

LOS ALAMOS NATIONAL LABORATORY

Data is for tower ta53.
This file was obtained from the LANL Weather Machine, http://weather.lanl.gov.
Request made on Fri Apr 05 09:24:21 2019 MST.
All data times are MST.

month	day	year	hour	minute	doy	spd1	dir1	temp0	rh
mm	dd	yyyy	hh	mm	ddd	m/s	deg	deg-C	%
3	28	2019	11	30	87	3.4	352	18	13
3	28	2019	11	45	87	3.6	303	18.6	9

Los Alamos

LOS ALAMOS NATIONAL LABORATORY (LANL)
VISIBLE EMISSION OBSERVATION FORM (6 MINUTE)

Source Name: TA-60 Asphalt Batch Plant

Source Location: TA-60-233

Type of Source	Type of Control Equipment
Asphalt Plant	Baghouse

Describe Emission Point (Top of stack, etc.): Top of Stack

Height Above Ground Level	Height Relative to Observer
33 Feet	26 Feet

Distance From Observer	Direction of Source From Observer
65 Feet	N/NW

Description of Plume (stack exit only)
☐Lofting ☐Trapping ☐Looping ☐Fanning ☐Coning
☒No Plume Present

Emission Color	Plume Type
N/A	☒No Plume Present ☐Continuous ☐Fugitive ☐Intermittent

Water Droplets Present?
☒NO ☐YES If YES, droplet plume is ☐Attached ☐Detached

At what point in the plume was opacity determined?
6" above Stack height

Describe Background (i.e. blue sky, trees, etc.): Blue Sky

Background Color	Sky Conditions
Blue	Clear

Wind Speed	Wind Direction (provide from/to, i.e. from North to South)
7.9 mph	ENE - WSW

Ambient Temperature	Relative Humidity
51 °F	39 %

Additional Comments/Information:
N/A

Observation Date	Start Time	End Time
4/18/19	10:17 AM	10:23

Min \ Sec	0	15	30	45	Comments
1	0	0	0	0	
2	0	0	0	0	
3	0	0	0	0	
4	0	0	0	0	
5	0	0	0	0	
6	0	0	0	0	
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Average 6-Minute Opacity	Range of Opacity Readings
0	Min. 0 Max. 0

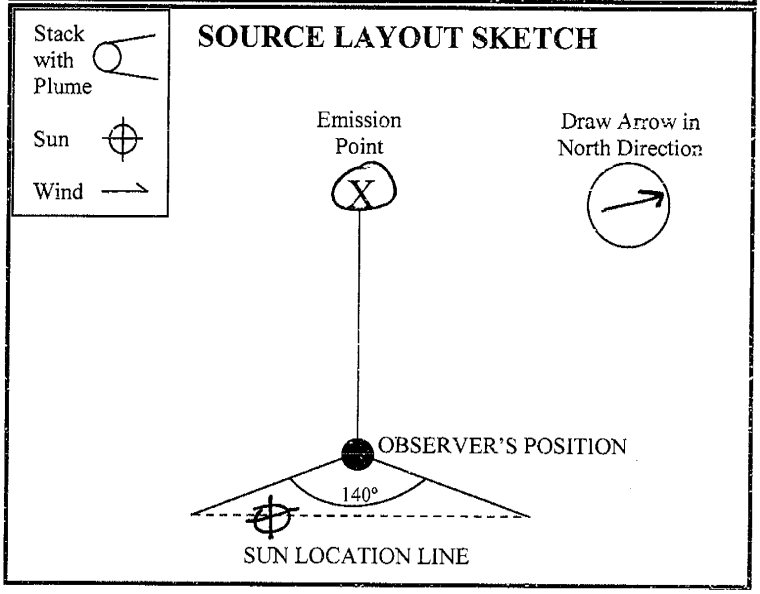
OBSERVER (please print)
Name: Jillian Burgin Title: DEP

Signature	Date
JBurgin	4/18/19

Observer Organization: DESH-UIS

Certified by	Certification Date
ETA	2/20/19

SOURCE LAYOUT SKETCH



- Wind Roses
- Temperatures This Year

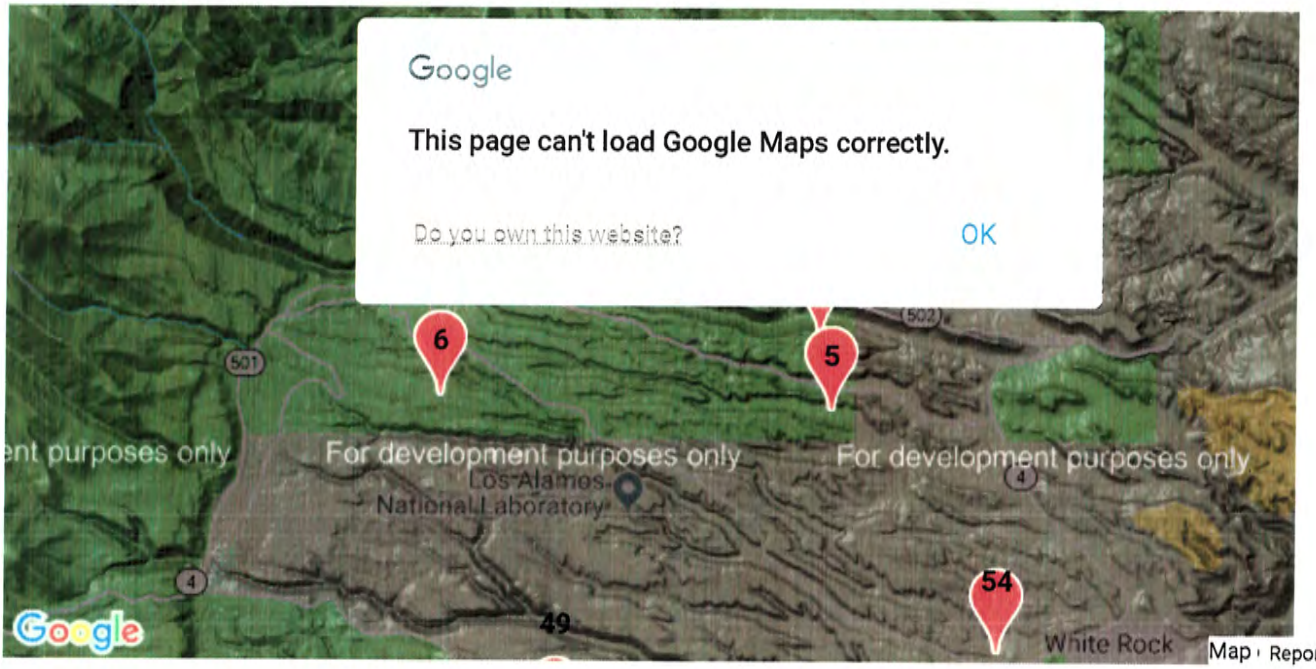
- Climate
- Data Request

Current Conditions at TA-53
Last Update: 2019-04-18 09:45:00 MST

Temperature:
51°F
Relative Humidity:
39%
Wind:
ENE 7.9 mph
Max Gust Today:
20.4 mph
Precipitation Today:
0.00 in.

Change Units

- Station Locations



Los Alamos

LOS ALAMOS NATIONAL LABORATORY (LANL)
VISIBLE EMISSION OBSERVATION FORM (6 MINUTE)

Source Name: TA-60 Asphalt Batch Plant

Source Location: TA-60-233

Type of Source: Asphalt Plant

Type of Control Equipment: Baghouse

Describe Emission Point (Top of stack, etc.): Top of Stack

Height Above Ground Level: 33 Feet

Height Relative to Observer: 26 Feet

Distance From Observer: 70 Feet

Direction of Source From Observer: W-N(W

Description of Plume (stack exit only)
☐Lofting ☐Trapping ☐Looping ☐Fanning ☐Coning
☑No Plume Present

Emission Color: N/A

Plume Type ☑No Plume Present ☐Continuous ☐Fugitive ☐Intermittent

Water Droplets Present?
☑NO ☐YES If YES, droplet plume is ☐Attached ☐Detached

At what point in the plume was opacity determined? 6" above Stack height

Describe Background (i.e. blue sky, trees, etc.): Blue Sky

Background Color: Blue

Sky Conditions: P/C

Wind Speed: 6.7 mph

Wind Direction (provide from/to, i.e. from North to South): SSE

Ambient Temperature: 54 °F

Relative Humidity: 32 %

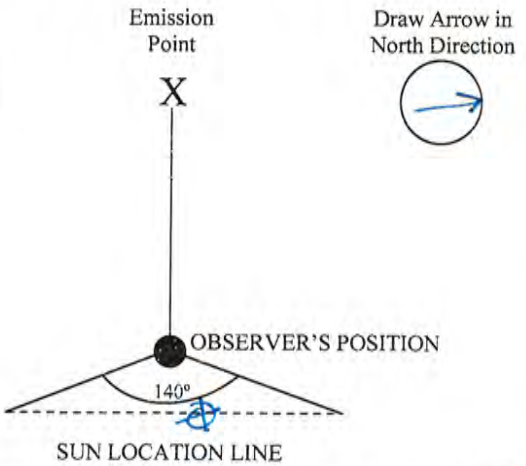
Additional Comments/Information:

SOURCE LAYOUT SKETCH

Stack with Plume

Sun

Wind



Observation Date: 5/29/19

Start Time: 10:04

End Time: 10:10

Min \ Sec	0	15	30	45	Comments
1	0	0	0	0	
2	0	0	0	0	
3	0	0	0	0	
4	0	0	0	0	
5	0	0	0	0	
6	0	0	0	0	
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Average 6-Minute Opacity: 0

Range of Opacity Readings: Min. 0 Max. 0

OBSERVER (please print)
Name: Jillian Burgin Title: DEP

Signature: JBurgin Date: 5/29/19

Observer Organization: DESH-LLS

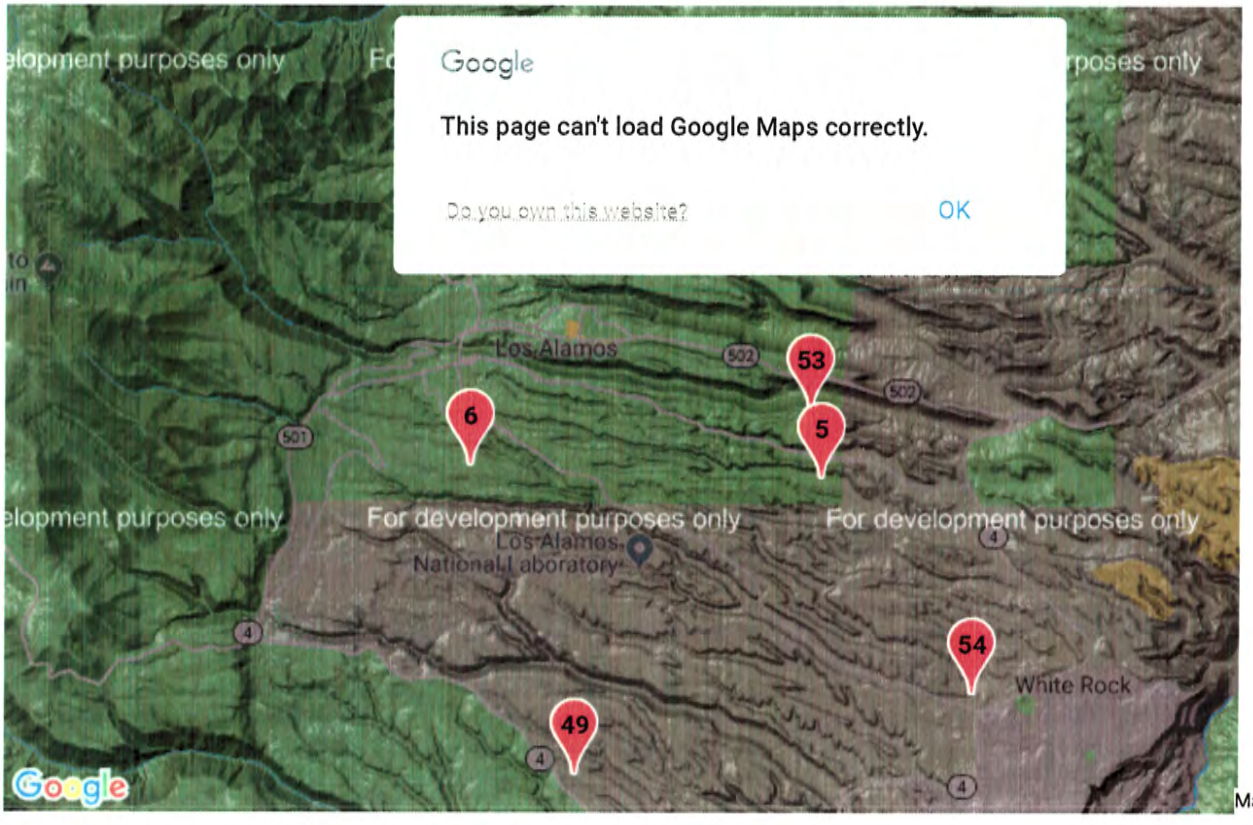
Certified by: ETA Certification Date: 2/20/19

Current Conditions at TA-6
Last Update: 2019-05-29 09:15:00 MST

Temperature:
54°F
Relative Humidity:
32%
Wind:
SSE 6.7 mph
Max Gust Today:
15.0 mph
Precipitation Today:
0.00 in.

Change Units

- Station Locations



- Regional Forecast Map

Los Alamos

LOS ALAMOS NATIONAL LABORATORY (LANL)
VISIBLE EMISSION OBSERVATION FORM (6 MINUTE)

Source Name: TA-60 Asphalt Batch Plant

Source Location: TA-60-233

Type of Source: Asphalt Plant

Type of Control Equipment: Baghouse

Describe Emission Point (Top of stack, etc.): Top of Stack

Height Above Ground Level: 33 Feet

Height Relative to Observer: 26 Feet

Distance From Observer: 70 Feet

Direction of Source From Observer: W-SW

Description of Plume (stack exit only)
☐Lofting ☐Trapping ☐Looping ☐Fanning ☐Coning
☑No Plume Present

Emission Color: N/A

Plume Type ☑No Plume Present ☐Continuous ☐Fugitive ☐Intermittent

Water Droplets Present?
☑NO ☐YES If YES, droplet plume is ☐Attached ☐Detached

At what point in the plume was opacity determined? 6" above stack height

Describe Background (i.e. blue sky, trees, etc.): Blue Sky

Background Color: Blue

Sky Conditions: Clear

Wind Speed: 5.6 mph

Wind Direction (provide from/to, i.e. from North to South): SE to NW

Ambient Temperature: 65 °F

Relative Humidity: 26 %

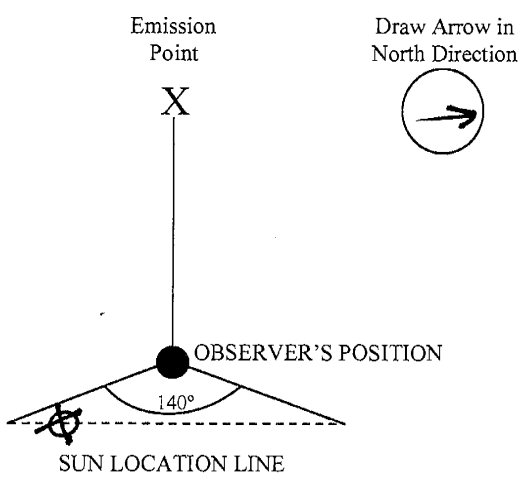
Additional Comments/Information: N/A

SOURCE LAYOUT SKETCH

Stack with Plume

Sun

Wind



Observation Date: 6/24/19 | Start Time: 11:30 | End Time: 11:36

Min \ Sec	0	15	30	45	Comments
1	0	0	0	0	
2	0	0	0	0	
3	0	0	0	0	
4	0	0	0	0	
5	0	0	0	0	
6	0	0	0	0	
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Average 6-Minute Opacity: 0

Range of Opacity Readings: Min. 0 Max. 0

OBSERVER (please print)
Name: Jillian Bursin Title: DEP

Signature: JBursin Date: 6/24/19

Observer Organization: DESH-UIS

Certified by: ETA Certification Date: 2/20/17

Los Alamos National Laboratory | Phone Book | Internal Search | External Search

Weather Machine

- NWS Forecast for Los Alamos

This Afternoon	Tonight	Tuesday	Tuesday Night	Wednesday	Wednesday Night	Thursday	Thursday Night	Friday
								
High: 76 °F	Low: 57 °F	High: 81 °F	Low: 59 °F	High: 81 °F	Low: 59 °F	High: 82 °F	Low: 58 °F	High: 82 °F
Sunny	Mostly Clear	Sunny	Partly Cloudy	Mostly Sunny then Slight Chance T-storms	Slight Chance T-storms	Mostly Sunny then Slight Chance T-storms	Chance T-storms	Chance T-storms

Show/Hide Detailed Forecast

- Current Conditions
  - TA-6
  - TA-49
  - TA-53
  - TA-54
  - TA-5/MDCN
  - All Towers
- Yesterday
- Charts
  - Towers
    - TA-6
    - TA-49
    - TA-53
    - TA-54
    - TA-5 MDCN
  - All Towers
  - Sodar
  - Fuel Moisture
  - Precipitation Summary
  - Wind Roses
  - Temperatures This Year
- Climate
- Data Request

Current Conditions at TA-6
Last Update: 2019-06-24 10:45:00 MST

Temperature:
65°F
Relative Humidity:
26%
Wind:
SE 5.6 mph
Max Gust Today:
17.5 mph
Precipitation Today:
0.00 in.

Change Units

ATTACHMENT A607.E.

Asphalt Plant

Daily Operation Log and 12-Month Rolling Production

2019 TA-60 BDM Asphalt Plant

Data Reviewed By / Date: Katelyn Mahoney 7/15/2019

Month	Data Entry Asphalt Produced (Tons)	12-Month Rolling Total	Month	Data Entry Asphalt Produced (Tons)	12-Month Rolling Total
January	0	773	July		
February	66	819	August		
March	76	702	September		
April	101	748	October		
May	59	691	November		
June	71	724	December		
6 mo. Total	373		6 mo. Total:	0	

Annual Hours			
Month	Hours	Month	Hours
Jan	0.0	Jul	
Feb	7.8	Aug	
Mar	7.7	Sep	
Apr	11.0	Oct	
May	7.9	Nov	
Jun	4.8	Dec	
Total:	39.2	Total:	0.0

2019 Asphalt Produced (Tons):	373

12-Month Rolling Production Permit Limit is 6,000 Tons

Annual Total (to date): **39.2** Hours

Hours are Limited to 4,380 per Year

Logistics Division
Asphalt Batch Plant Operations
41-20-001.2: Asphalt Batch Plant Daily Operating Log

Feb. 2019

Date	Hours of Operation			Asphalt Produced (tons)	Number of Truck Trips to Plant	Haul Road Swept? (check one)		Pressure Drop Across Baghouse				Operator's Initials (Person Taking Readings)
								Start		End		
	Start Time	End Time	Total (hrs.)			Yes	No	Pressure	Time	Pressure	Time	
2-6-19	10:26	11:08	0.7	4	1			3.84	10:40	3.64	10:57	Leslie
2-7-19	10:46		[illegible]	0	0			Test				Leslie
2-7-19	1:08	1:42	0.57	3	1			3.85	1:25	3.88	1:36	JBV
2-8-19	9:17	9:49	0.53	0	0				Test			Leslie
2-8-19	1:10	1:35	0.42	3	1			3.62	1:18	3.52	1:26	Leslie
2-12-19	12:55	1:22	0.45	3	1			3.65	1:06	3.65	1:14	Leslie
2-13-19	12:19	2:00	1.68	25	2			3.79	12:57	3.18	1:34	Leslie
2-14-19	12:48	1:11	0.38	3	1			3.77	12:56	3.95	1:08	Leslie
2-25-19	1:32	2:31	0.98	4	1			3.65	1:55	3.92	2:08	Leslie
2-26-19	1:05	1:29	0.4	3	1			3.12	1:10	3.62	1:20	Leslie
2-27-19	12:51	1:42	0.85	13	1	✓		3.22	1:14	3.63	1:26	Leslie
2-28-19	9:26	9:52	0.43	3	1			9:40	9:39	5.01	9:48	Leslie
								~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	L.
2-28-19	1:04	1:28	0.4	2	1			3.45	1:15	3.63	1:19	Leslie
				[illegible]								
			7.79	66								
			TOTALS:	~~64~~	12							
				TONS	TRIPS							

Operation of the plant is limited to 1/2 hour after sunrise to 1/2 hour before sunset.

The data in this log is required by NMED Title V Operating Permit (Air Quality) and must be maintained on site for a minimum of 5 years.

Logistics Division
Asphalt Batch Plant Operations
41-20-001.2: Asphalt Batch Plant Daily Operating Log MAR 2019

Date	Hours of Operation			Asphalt Produced (tons)	Number of Truck Trips to Plant	Haul Road Swept? (check one)		Pressure Drop Across Baghouse				Operator's Initials (Person Taking Readings)
								Start		End		
	Start Time	End Time	Total (hrs.)			Yes	No	Pressure	Time	Pressure	Time	
3-1-19	9:25	9:50	0.42	3	1			4.97	9:38	4.74	9:44	Leslie
3-1-19	12:41	1:05	0.40	3	1			3.89	12:49	3.91	12:56	Leslie
3-18-19	10:35	11:00	0.42	4	1			4.71	10:47	4.33	10:55	Leslie
3-19-19	11:19	11:41	0.37	3	1			3.86	11:28	3.72	11:35	Leslie
3-20-19	10:02	10:30	0.47	3	1			4.71	10:13	4.76	10:18	Leslie
3-20-19	12:48	1:10	0.50	3	1			4.43	12:58	4.37	1:00	Leslie
3-21-19	9:17	10:10	0.88	3	1			4.66	9:28	4.70	9:40	Leslie
3-22-19	9:55	10:30	0.58	5	1			4.38	10:06	4.65	10:20	Leslie
[illegible]	[illegible]			0	0							[illegible]
3-25-19	1:00	1:21	0.35	3	1			3.17	1:12	3.79	1:16	Leslie
3-26-19	9:38	10:00	0.37	3	1			5.18	9:48	5.30	9:56	Leslie
3-27-19	9:19	9:42	0.38	3	1			5.00	9:30	5.01	9:37	Leslie
3-27-19	12:55	1:15	0.33	3	1			4.45	1:07	5.06	1:13	Leslie
3-28-19	11:26	12:38	1.20	11	1			3.79	12:17	3.47	12:28	Leslie
3-29-19	10:40	11:41	1.02	26	1			4.96	11:05	4.06	11:19	Leslie
			7.69									
			TOTALS:	76	14							
				TONS	TRIPS							

Operation of the plant is limited to 1/2 hour after sunrise to 1/2 hour before sunset.

The data in this log is required by NMED Title V Operating Permit (Air Quality) and must be maintained on site for a minimum of 5 years.

Logistics Division
Asphalt Batch Plant Operations
41-20-001.2: Asphalt Batch Plant Daily Operating Log Apr. 2019

Date	Hours of Operation			Asphalt Produced (tons)	Number of Truck Trips to Plant	Haul Road Swept? (check one)		Pressure Drop Across Baghouse				Operator's Initials (Person Taking Readings)
	Start Time	End Time	Total (hrs.)			Yes	No	Start Pressure	Start Time	End Pressure	End Time	
[illegible]	[illegible]			[illegible]	[illegible]							[illegible]
4-2-19	12:49	1:28	0.65	9	1			4.29	1:09	3.78	1:20	Leslie
4-4-19	12:44	1:20	0.60	7	1			4.08	1:05	3.53	1:17	Leslie
4-8-19	10:44	11:07	0.38	3	1			4.90	10:55	3.09	11:00	Leslie
4-8-19	1:01	1:27	0.43	3	1			3.85	1:14	3.87	1:20	Leslie
4-9-19	9:30	9:50	0.33	3	1			4.38	9:34	4.53	9:42	Leslie
4-9-19	12:55	1:34	0.65	4	1			4.24	1:06	4.12	1:18	Leslie
4-10-19	12:57	1:29	0.53	4	1			4.03	1:17	3.83	1:27	Leslie
4-11-19	12:56	1:31	0.58	4	1			3:16	1:07	3.49	1:19	Leslie
4-12-19	12:53	1:20	0.45	3	1			4:14	1:02	4.09	1:07	Leslie
4-15-19	12:41	1:07	0.43	3	1			4.41	12:50	3.38	1:00	Leslie
4-18-18	10:05	10:33	0.47	5	1			4.60	10:17	4.89	10:26	Leslie
4-19-19	9:00	9:26	0.43	4	1			5.42	9:10	4.79	9:27	Leslie
4-24-19	12:45	1:18	0.55	4	1			4.82	1:01	3.78	1:15	JBV
4-25-19	12:40	1:40	1.0	9	1			4.60	12:51	3.53	1:30	JBV
4-27-19	8:45	9:30	0.75	5	1			4.78	9:05	4.66	9:18	JBV
4-27-19	10:54	11:25	0.68	5	1			3.87	11:11	4.13	11:36	JBV
4-27-19	11:36	12:40	1.07	20	1			4.41	11:40	4.35	12:36	JBV
4-27-19	1 pm	2:00	1.0	6	1			4.47	1:12	6.63	1:48	JBV
			10.98									
			TOTALS	101	18							
				TONS	TRIPS							

Operation of the plant is limited to 1/2 hour after sunrise to 1/2 hour before sunset.

The data in this log is required by NMED Title V Operating Permit (Air Quality) and must be maintained on site for a minimum of 5 years.

Logistics Division
Asphalt Batch Plant Operations
41-20-001.2: Asphalt Batch Plant Daily Operating Log MAY 2019

Date	Hours of Operation			Asphalt Produced (tons)	Number of Truck Trips to Plant	Haul Road Swept? (check one)		Pressure Drop Across Baghouse				Operator's Initials (Person Taking Readings)
								Start		End		
	Start Time	End Time	Total (hrs.)			Yes	No	Pressure	Time	Pressure	Time	
5-1-19	12:41	1:28	0.78	3	1			5.02	12:55	4.61	1:26	Leslie
5-2-19	10:18	10:45	0.45	3	1			5.18	10:28	5.25	10:38	Leslie
5-2-19	12:46	1:04	0.30	3	1			4.70	12:53	4.86	1:00	Leslie
5-3-19	9:17	9:45	0.47	3	1			4.20	9:30	4.54	9:39	Leslie
5-3-19	1:12	1:33	0.35	2	1			2.89	1:20	2.69	1:29	Leslie
5-8-19	9:46	10:14	0.47	3	1			3.87	9:55	2.91	10:03	Leslie
5-13-19	10:20	10:53	0.58	3	1			4.83	10:30	5.12	10:52	JBV
5-15-19	9:50	10:26	0.60	5	1			4.16	10:05	3.45	10:14	Leslie
5-16-19	9:05	9:26	0.35	3	1			4.79	9:15	4.83	9:21	Leslie
5-17-19	10:40	11:04	0.40	3	1			4.82	10:49	5:07	10:53	Leslie
5-18-19	7:30	8:14	0.73	5	1			5:05	8:03	5.03	8:10	Leslie
5-18-19	8:44	9:23	0.65	8	1			5.38	9:00	4.58	9:11	Leslie
~~5-20-19~~	~~9:51~~			~~3~~								~~Leslie~~
5-22-19	10:44	11:25	0.68	8	1			4.80	11:07	4.89	11:17	Leslie
5-29-19	10:01	10:37	0.60	4	1			4.50	10:13	4.42	10:29	Leslie
5-30-19	10:13	10:42	0.48	3	1			4.44	10:20	4.24	10:29	Leslie
			7.89									
			TOTALS	59 TONS	15 TRIPS							

Operation of the plant is limited to 1/2 hour after sunrise to 1/2 hour before sunset.

The data in this log is required by NMED Title V Operating Permit (Air Quality) and must be maintained on site for a minimum of 5 years.

Logistics Division
Asphalt Batch Plant Operations
41-20-001.2: Asphalt Batch Plant Daily Operating Log June 2019

Date	Hours of Operation			Asphalt Produced (tons)	Number of Truck Trips to Plant	Haul Road Swept? (check one)		Pressure Drop Across Baghouse				Operator's Initials (Person Taking Readings)
								Start		End		
	Start Time	End Time	Total (hrs.)			Yes	No	Pressure	Time	Pressure	Time	
6-20-19	9:37	10:05	0.47	7	1			4.48	9:48	4.25	9:53	Leslie
6-21-19	7:30	8:40	1.17	10	2			4.49	8:00	4.12	8:28	Leslie
6-24-19	11:00	11:47	0.78	10	1			5.46	12:20	4.83	11:33	Leslie
6-24-19	12:55	1:11	0.35	3	1			2.83	1:02	3.09	109	Leslie
6-25-19	9:55	10:30	0.58	9	1			3.57	10:17	3.32	10:25	Leslie
6-25-19	11:00	11:22	0.37	6	1			4.36	11:09	4.31	11:18	Leslie
6-26-19	1:34	1:57	0.38	3	1			3.38	1:46	1:515	1:57	Leslie
6-27-19	12:58	1:21	0.38	11	1	V		5.27	1:10	5.37	1:18	Leslie
6-28-19	12:55	1:16	0.35	3	1			4.69	1:07	4.26	1:14	Leslie
			4.83									
			TOTALS:	71	10							
				TONS	TRIPS							

Operation of the plant is limited to 1/2 hour after sunrise to 1/2 hour before sunset.

The data in this log is required by NMED Title V Operating Permit (Air Quality) and must be maintained on site for a minimum of 5 years.

ATTACHMENT A607.F.

Asphalt Plant

Maintenance and Delivery Records

Los Alamos NATIONAL LABORATORY EST.1943

Maintenance & Site Services
Preventative Maintenance Instruction

Asphalt Plant Operation
PM INSPECTION & LUBRICATION

41-20-001.3 R1	PM DATE: 4-29-19	NEXT SCHEDULED PM DATE: 9-23-19

TA-60 BLDG-0233 EQUIP. ID: 993752 Hot Plant PM #: 993753

Place a Checkmark under "S" if the condition is SATISFACTORY or "U" if the condition is UNSATISFACTORY. Note actions required or general remarks in "Comments" as applicable. Mark "N/A" under comments if not applicable. Advise the foreman or supervisor of problems involving imminent danger.

ASPHALT BATCH PLANT PREVENTATIVE MAINTENANCE INSPECTION AND LUBRICATION

STEP	ACTION / DESCIPTION	S	U	Comments
1.0	***PRE-MAINTENANCE INSTRUCTIONS***	✓		
1.1	Before beginning maintenance, follow applicable LO/TO procedures at the main control panel	✓		
2.0	***ASPHALT PLANT MAINTENANCE***			
2.1	Perform preventative maintenance checks/inspections and lubricate the asphalt plant every 100 hours of operating time or 6 calendar months, whichever occurs first.	✓		
3.0	***LUBE/INSPECTION POINTS***			
	FEEDER			
3.1	8 Pillow Blocks	✓		
3.2	1 Gear Box (Check Oil) ***Add if Necessary***	✓		
3.3	2 Wheel bearings	✓		
3.4	Clear away stones and dust build up from any moving parts	✓		
	CONVEYOR BELT			
3.5	4 Pillow Blocks	✓		
3.6	1 Gear Box (Check Oil) ***Add if Necessary***	✓		
3.7	Clear away stones and dust build up from any moving parts	✓		
	DRIER			
3.8	12 Pillow Blocks			
3.9	1 Gear Box (Check Oil) ***Add if Necessary***	✓		
3.10	Clear away stones and dust build up from any moving parts	✓		
3.11	Inspect the drum roller drive chain for mechanical integrity. Replace or repair any broken parts	✓		
3.12	Lube chain and idle gear	✓		
	HOT ELEVATOR			
3.13	2 Pillow Blocks	✓		
3.14	2 Flat Bearings	✓		
3.15	1 Gear Box (Check Oil) ***Add if Necessary***	✓		
3.16	Clear away stones and dust build up from any moving parts	✓		
3.17	Inspect the elevator chain under the buckets for proper tension and mechanical integrity. Ensure no broken parts or damage exists. Adjust/replace if necessary	✓		
3.18	Inspect elevator buckets for aggregate buildup and metal wear. Repair and/or clean parts if necessary.	✓		
3.19	Inspect elevator bottom for excessive aggregate buildup. Remove and/or clean if evident.	✓		
	SHAKER AND SCREENING PLANT			
3.20	2 Bearing on Electric Motor	✓		
3.21	1 Gear Box (Check Oil) ***Add if Necessary***	✓		
3.22	Screen Cloth Tension	✓		
3.23	Inspect even material feed and distribution into screen.	✓		
3.24	Tighten Loose Bolts	✓		
3.25	Drive Belt Tension	✓		
3.26	Support Springs	✓		
3.27	Clear away stones and dust build up from any moving parts	✓		
3.28	Inside the screen, inspect the feed and discharge wear plates for excessive buildup and wear. Repair and/or clean as needed	✓		

ASPHALT BATCH PLANT PREVENTATIVE MAINTENANCE INSPECTION AND LUBRICATION

STEP	ACTION / DESCIPTION	S	U	Comments
	PUG MILL			
3.29	4 Pillow Blocks	✓		
3.30	1 Gear Box (Check Oil) ***Add if Necessary***	✓		
3.31	Clear away stones and dust build up from any moving parts	✓		
3.32	Inside the mill, inspect the 2 paddle assemblies and wear plates under the paddles for excessive buildup and wear. Repair and/or clean as needed	✓		
	BAG HOUSE			
3.33	3 Flat Bearings	✓		
3.34	4 Gear Box (Check Oil) ***Add if Necessary***	✓		
	EXHAUST FAN			
3.35	2 Pillow Blocks	✓		
3.36	2 Fittings on Electric Motor	✓		
	DAMPER CONTROL			
3.37	4 Flat Bearings	✓		
	AIR COMPRESSOR			
3.38	Clean Air Filter	✓		
3.39	Check Oil Level ***Add if Necessary***	✓		
	DUST RETURN SCREW			
3.40	1 Gear Box (Check Oil) ***Add if Necessary***	✓		
	HOT ASPHALT PUMP			
3.41	2 Fittings on Electric Motor	✓		
	HOT OIL PUMP AND ELECTRIC MOTOR			
3.42	2 Fittings on Electric Motor	✓		
	PROPANE PUMP			
3.43	2 Fittings			
4.0	***POST-MAINTENANCE INSTRUCTIONS***			
4.1	After completing maintenance, follow applicable LO/TO procedures at the main control panel	✓		

REMARKS / ACTION REQUIRED:

VERIFICATION

CRAFT NAME: Victor Bustos	Z-NUMBER	DATE 4-29-19
CRAFT SIGNATURE: Victor Bustos	244917	
SUPERINTENDENT NAME:	Z-NUMBER	DATE
SUPERINTENDENT SIGNATURE:		

ATTACHMENT A607.G.

Asphalt Plant

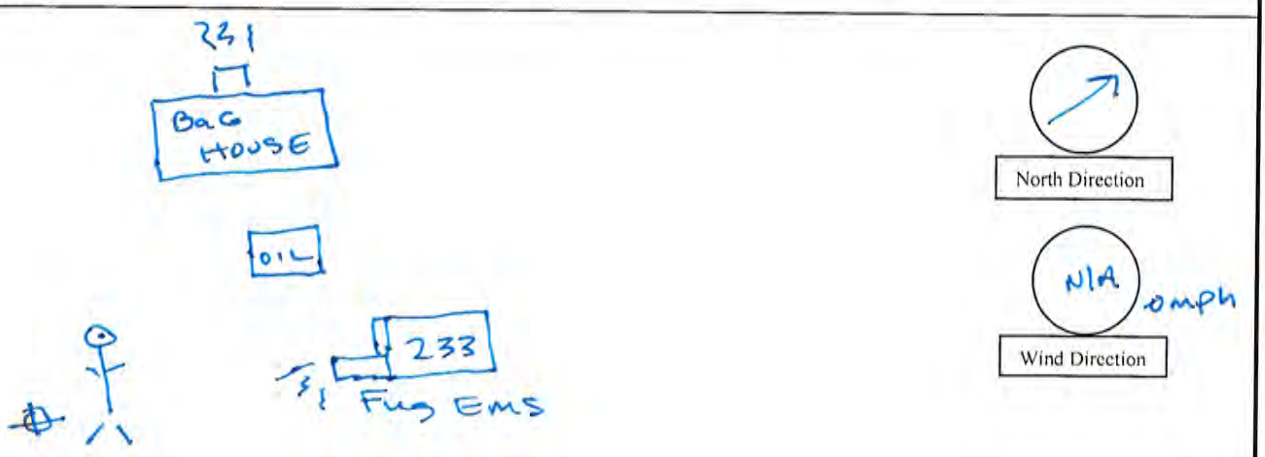
EPA Method 22 Opacity Reports

Los Alamos National Laboratory
METHOD 22 Visual Determination of Fugitive Emissions Form

Location: TA-60 Asphalt Plant	**Observer Affiliation:** DESH-UIS
Representative: Jillian Burgin	**Date of Inspection:** 2/13/19
Sky Conditions: Clear	**Wind Direction:** N/A
Precipitation: 0	**Wind Speed:** 0
Industry: DOE Nat'l Lab	**Process Unit:** Fug. EMS.

Sketch of Process Unit:

Indicate:
* observer position relative to source
* potential emission and/or actual emission points
* sun location
* wind direction
* North direction



Observations:	Clock Time	Observation period duration (min:sec)	Accumulated Emission Time(min:sec)
Begin	12:32		
		10 mins.	1.5 = 15 %
End Observation	12:42		

Notes:

This form is used to document fugitive visible emissions from outside air emission sources. If an emission is observed during the Method 22 inspection/observation period (which must be at least 6 minutes for the Asphalt Plant and 10 minutes for all other LANL sources), a Method 9 visible emission test may need to be performed.

SIGNATURE OF OBSERVER/INSPECTOR: JBurgin

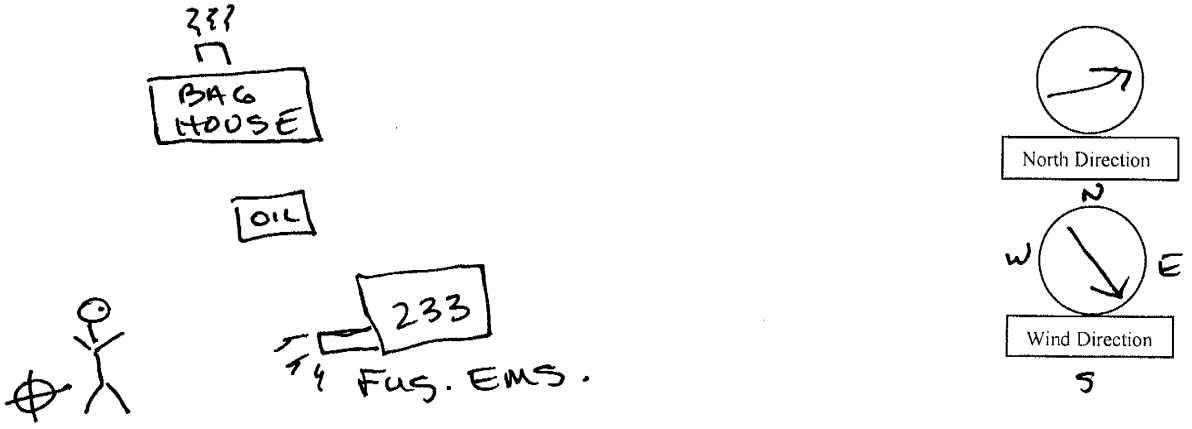
DATE: 12/13/19

Los Alamos National Laboratory
METHOD 22 Visual Determination of Fugitive Emissions Form

Location: TA-60 Asphalt Plant	**Observer Affiliation:** DESH-415
Representative: Jillian Bursin	**Date of Inspection:** 3/28/19
Sky Conditions: Clear Blue	**Wind Direction:** NNW - SSE
Precipitation: 0	**Wind Speed:** 7.6 mph
Industry: DOE NAT'L LAB	**Process Unit:** Fug. EMS.

Sketch of Process Unit:

Indicate:
* observer position relative to source
* potential emission and/or actual emission points
* sun location
* wind direction
* North direction



Observations:	Clock Time	Observation period duration (min:sec)	Accumulated Emission Time(min:sec)
Begin	11:32		
		10 mins.	1.5 = 15%
End Observation	11:42		

Notes: N/A

This form is used to document fugitive visible emissions from outside air emission sources. If an emission is observed during the Method 22 inspection/observation period (which must be at least 6 minutes for the Asphalt Plant and 10 minutes for all other LANL sources), a Method 9 visible emission test may need to be performed.

SIGNATURE OF OBSERVER/INSPECTOR: JBursin, DEP

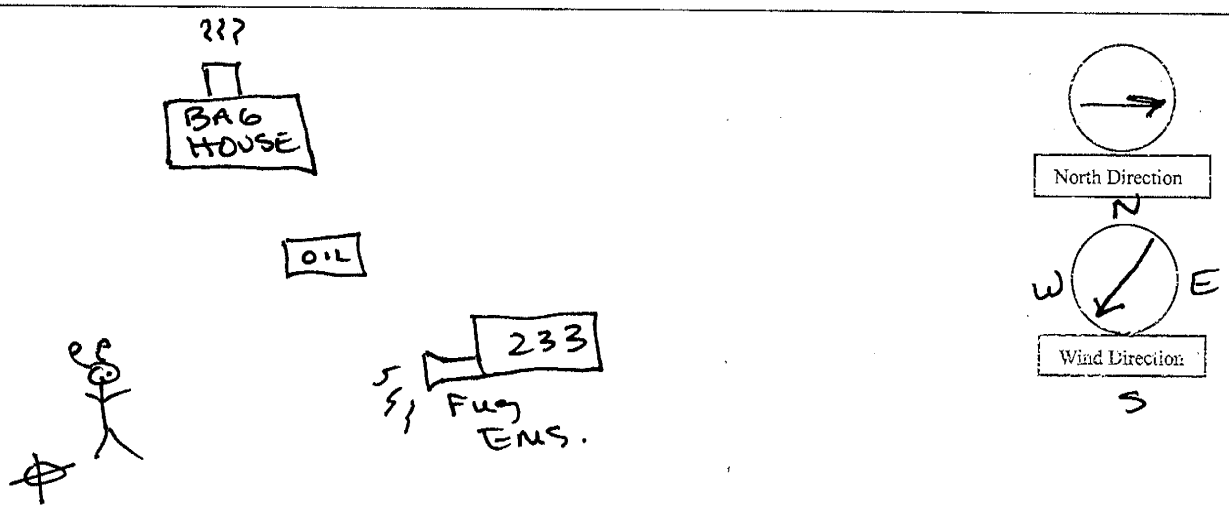
DATE: 3/28/19

Los Alamos National Laboratory
METHOD 22 Visual Determination of Fugitive Emissions Form

Location: TA-60 Asphalt Plant	**Observer Affiliation:** DESH-UIS
Representative: Jillian Bursin	**Date of Inspection:** 4/18/19
Sky Conditions: Clear | Blue	**Wind Direction:** ENE - WSW
Precipitation: 0	**Wind Speed:** 7.9 mph
Industry: DOE NAT'L LAB	**Process Unit:** Fug. EMS.

Sketch of Process Unit:

Indicate:
* observer position relative to source
* potential emission and/or actual emission points
* sun location
* wind direction
* North direction



Observations:	Clock Time	Observation period duration (min:sec)	Accumulated Emission Time(min:sec)
Begin	10:17		
		10 min.	1.5 = 15%
End Observation	10:27		

Notes: N/A

This form is used to document fugitive visible emissions from outside air emission sources. If an emission is observed during the Method 22 inspection/observation period (which must be at least 6 minutes for the Asphalt Plant and 10 minutes for all other LANL sources), a Method 9 visible emission test may need to be performed.

SIGNATURE OF OBSERVER/INSPECTOR: J Bursin, DEP

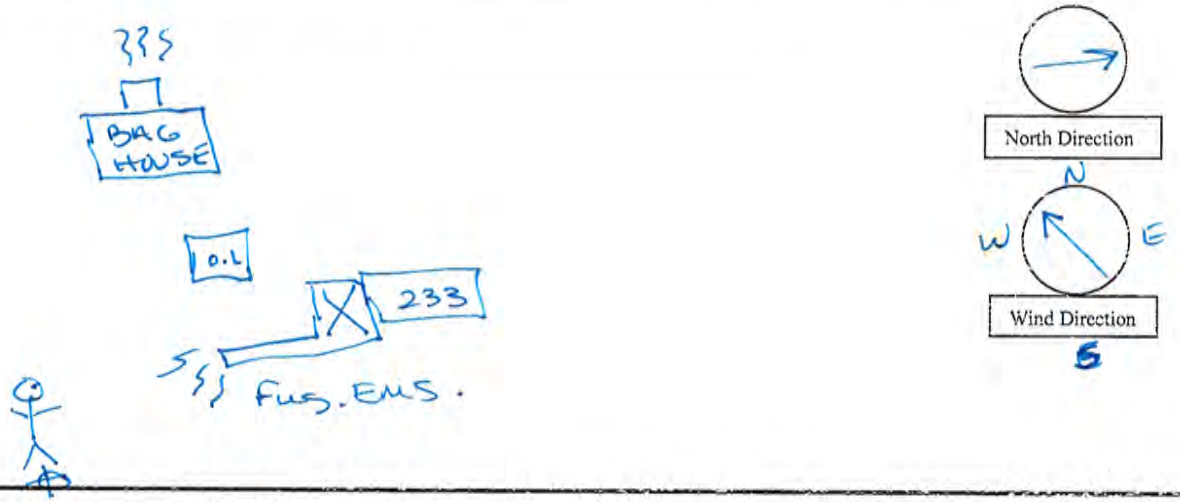
DATE: 4/18/19

Los Alamos National Laboratory
METHOD 22 Visual Determination of Fugitive Emissions Form

Location: TA-60 Asphalt Plant	**Observer Affiliation:** DESH - ULS
Representative: Jillian Bursin	**Date of Inspection:** 5/29/19
Sky Conditions: PLC	**Wind Direction:** SSE
Precipitation: 0	**Wind Speed:** 6.7 mph
Industry: DOE NAT'L LAB	**Process Unit:** Fug. EMS.

Sketch of Process Unit:

Indicate:
* observer position relative to source
* potential emission and/or actual emission points
* sun location
* wind direction
* North direction



Observations:	Clock Time	Observation period duration (min:sec)	Accumulated Emission Time(min:sec)
Begin	10:04		
		10 Mins.	1.5 = 15%
End Observation	10:14		

Notes:

This form is used to document fugitive visible emissions from outside air emission sources. If an emission is observed during the Method 22 inspection/observation period (which must be at least 6 minutes for the Asphalt Plant and 10 minutes for all other LANL sources), a Method 9 visible emission test may need to be performed.

SIGNATURE OF OBSERVER/INSPECTOR: JBursin, DEP

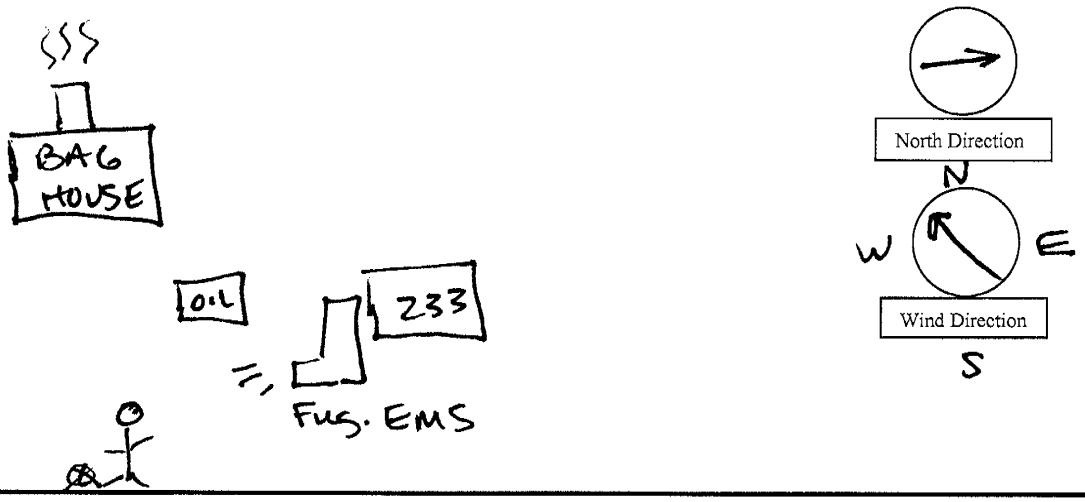
DATE: 5/29/19

Los Alamos National Laboratory
METHOD 22 Visual Determination of Fugitive Emissions Form

Location: TA-60 Asphalt Plant	**Observer Affiliation:** DESH-ULS
Representative: Jillian Burgin	**Date of Inspection:** 6/24/19
Sky Conditions: Clear Blue	**Wind Direction:** SE to NW
Precipitation: NONE	**Wind Speed:** 5.6 mph
Industry: DOE Nat'l Lab	**Process Unit:** Fug. EMS.

Sketch of Process Unit:

Indicate:
* observer position relative to source
* potential emission and/or actual emission points
* sun location
* wind direction
* North direction



Observations:	Clock Time	Observation period duration (min:sec)	Accumulated Emission Time(min:sec)
Begin	11:30		
		10 mins.	1.5 = 150%
End Observation	11:40		

Notes:

This form is used to document fugitive visible emissions from outside air emission sources. If an emission is observed during the Method 22 inspection/observation period (which must be at least 6 minutes for the Asphalt Plant and 10 minutes for all other LANL sources), a Method 9 visible emission test may need to be performed.

SIGNATURE OF OBSERVER/INSPECTOR: J Burgin, DEP, DESH-ULS

DATE: 6/24/19

ATTACHMENT A707.B.a.

Beryllium

TA-03-0066 Beryllium Logs

January 1, 2019 - June 30, 2019

Electroplating/Chemical Milling

Date	Weight of Beryllium Samples Processed (gm)	Controlled Emission Factor (gm emission/gm Used)	Controlled Be Emissions (gm)
No beryllium processed during this period.		1.20E-05	0.00E+00
Total Beryllium Emissions from Electroplating/Chemical Milling			**0.00E+00**

Note: Information required under Title V Operating Permit P100-R2M3, Section A707.B, Emissions Monitoring Requirements and A707.D, Reporting Requirements

January 1, 2019 - June 30, 2019

Metallography

Date	Number of Metallographic Specimens Used in the Polishing Operation	Weight of Each Specimen (gm) [1]	Total Weight of Specimen (gm)	Controlled Emission Factor (gm emission/gm Used)	Be Emissions (gm)
2/11/2019	4	20	80	3.50E-09	2.80E-07
			Total Beryllium Emissions from Metallography		**2.80E-07**

Note: Information required under Title V Operating Permit P100-R2M3, Section A707.B, Emissions Monitoring Requirements and A707.D, Reporting Requirements

Note: [1] The weight of specimen are conservative averages

January 1, 2019 - June 30, 2019

Machining

Date	Weight Beryllium Samples Used (gm)	Controlled Emission Factor (gm emission/gm Used)	Be Emissions (gm)
No beryllium processed during this period.		1.75E-09	0.00E+00
		Total Beryllium Emissions from Machining	**0.00E+00**

Note: Information required under Title V Operating Permit P100-R2M3, Section A707.B, Emissions Monitoring Requirements and A707.D, Reporting Requirements

January 1, 2019 - June 30, 2019

Arc Melting/Casting

Date	Weight of Beryllium Samples Used (gm)	Controlled Emission Factor (gm emission/gm Used)	Be Emissions (gm)
No beryllium processed during this period.		1.75E-09	0.00E+00
		Total Beryllium Emissions from Arc Melting/Casting	**0.00E+00**

Note: Information required under Title V Operating Permit P100-R2M3, Section A707.B, Emissions Monitoring Requirements and A707.D, Reporting Requirements

ATTACHMENT A707.B.b.

Beryllium

TA-35-0213 Beryllium Operating Log

TA-35-0213 Beryllium Operating Log
January 1 - June 30, 2019

January		February		March		April		May		June	
Date	**Hours**	**Date**	**Hours**	**Date**	**Hours**	**Date**	**Hours**	**Date**	**Hours**	**Date**	**Hours**
14-Jan-2019	7	4-Feb-2019	7	4-Mar-2019	4	3-Apr-2019	5	1-May-2019	6	3-Jun-2019	5
15-Jan-2019	7	5-Feb-2019	7	5-Mar-2019	5	4-Apr-2019	6	2-May-2019	3	4-Jun-2019	6
16-Jan-2019	6	6-Feb-2019	5	6-Mar-2019	5	5-Apr-2019	2	7-May-2019	3	5-Jun-2019	7
17-Jan-2019	6	7-Feb-2019	6	7-Mar-2019	6	8-Apr-2019	4	8-May-2019	5	6-Jun-2019	7
22-Jan-2019	7	8-Feb-2019	7	8-Mar-2019	6	9-Apr-2019	5	9-May-2019	6	11-Jun-2019	7
23-Jan-2019	7	11-Feb-2019	8	12-Mar-2019	5	10-Apr-2019	5	21-May-2019	3	12-Jun-2019	7
24-Jan-2019	7	12-Feb-2019	8	13-Mar-2019	6	11-Apr-2019	4	22-May-2019	5	13-Jun-2019	6
25-Jan-2019	6	13-Feb-2019	7	14-Mar-2019	5	15-Apr-2019	5	23-May-2019	6	14-Jun-2019	7
28-Jan-2019	6	14-Feb-2019	6	19-Mar-2019	5	16-Apr-2019	6	28-May-2019	7	17-Jun-2019	5
29-Jan-2019	6	19-Feb-2019	5	20-Mar-2019	7	17-Apr-2019	7	29-May-2019	8	18-Jun-2019	6
30-Jan-2019	6	20-Feb-2019	6	21-Mar-2019	7	18-Apr-2019	7	30-May-2019	2	19-Jun-2019	7
31-Jan-2019	6	21-Feb-2019	7	22-Mar-2019	3	29-Apr-2019	2	31-May-2019	3	20-Jun-2019	4
		22-Feb-2019	5	25-Mar-2019	4	30-Apr-2019	5			24-Jun-2019	5
		25-Feb-2019	5	26-Mar-2019	6					25-Jun-2019	5
		26-Feb-2019	4	27-Mar-2019	2					26-Jun-2019	4
		27-Feb-2019	5	28-Mar-2019	5					27-Jun-2019	6
		28-Feb-2019	4							28-Jun-2019	6
Total Hours	**77**		**102**		**81**		**63**		**57**		**100**

Total hours for January 1 - June 30, 2019: **480**

Reviewed by: Katelyn Mahoney 7/15/2019

ATTACHMENT A707.C.a.

Beryllium

TA-03-0141 Beryllium HEPA Filter Differential Pressure Readings

NM STATE REPORTING

		HEPA 1	HEPA 2	DUST	YEAR
DAY 1	04:00	0.57	0.45	0.72	2019
	12:00	0.56	0.44	0.69	2019
	20:00	0.60	0.47	0.66	2019
DAY 2	04:00	0.60	0.47	0.85	2019
	12:00	0.61	0.47	0.89	2019
	20:00	0.62	0.48	0.71	2019
DAY 3	04:00	0.61	0.48	0.70	2019
	12:00	0.61	0.48	0.73	2019
	20:00	0.61	0.48	0.76	2019
DAY 4	04:00	0.60	0.46	0.72	2019
	12:00	0.61	0.47	0.83	2019
	20:00	0.61	0.48	0.83	2019
DAY 5	04:00	0.60	0.47	0.92	2019
	12:00	0.61	0.48	0.87	2019
	20:00	0.60	0.47	0.89	2019
DAY 6	04:00	0.60	0.47	0.90	2019
	12:00	0.61	0.47	0.90	2019
	20:00	0.61	0.47	0.84	2019
DAY 7	04:00	0.62	0.48	0.83	2019
	12:00	0.53	0.44	-0.1	2019
	20:00	0.74	0.58	0.70	2019
DAY 8	04:00	0.76	0.59	0.85	2019
	12:00	0.76	0.58	0.83	2019
	20:00	0.76	0.58	0.79	2019
DAY 9	04:00	0.77	0.59	0.83	2019
	12:00	0.76	0.59	0.80	2019
	20:00	0.76	0.58	0.67	2019
DAY 10	04:00	0.76	0.59	0.67	2019
	12:00	0.76	0.58	0.67	2019
	20:00	0.78	0.60	0.58	2019

		HEPA 1	HEPA 2	DUST	YEAR
DAY 11	04:00	0.75	0.57	0.81	2019
	12:00	0.77	0.59	0.61	2019
	20:00	0.77	0.60	0.82	2019
DAY 12	04:00	0.76	0.59	0.71	2019
	12:00	0.76	0.58	0.87	2019
	20:00	0.74	0.57	0.90	2019
DAY 13	04:00	0.75	0.58	0.88	2019
	12:00	0.75	0.59	0.79	2019
	20:00	0.77	0.58	0.93	2019
DAY 14	04:00	0.76	0.58	0.92	2019
	12:00	0.76	0.58	0.84	2019
	20:00	0.76	0.59	0.83	2019
DAY 15	04:00	0.75	0.57	0.86	2019
	12:00	0.76	0.59	0.83	2019
	20:00	0.76	0.58	0.86	2019
DAY 16	04:00	0.75	0.58	0.70	2019
	12:00	0.77	0.59	0.86	2019
	20:00	0.76	0.58	0.82	2019
DAY 17	04:00	0.77	0.59	0.71	2019
	12:00	0.77	0.59	0.89	2019
	20:00	0.74	0.58	0.59	2019
DAY 18	04:00	0.72	0.56	0.80	2019
	12:00	0.76	0.59	0.72	2019
	20:00	0.77	0.59	0.78	2019
DAY 19	04:00	0.75	0.58	0.85	2019
	12:00	0.76	0.59	0.88	2019
	20:00	0.74	0.57	0.83	2019
DAY 20	04:00	0.77	0.59	0.73	2019
	12:00	0.77	0.60	0.67	2019
	20:00	0.75	0.58	0.76	2019

		HEPA 1	HEPA 2	DUST	YEAR
DAY 21	04:00	0.77	0.59	0.70	2019
	12:00	0.76	0.59	0.66	2019
	20:00	0.79	0.61	0.58	2019
DAY 22	04:00	0.75	0.58	0.87	2019
	12:00	0.77	0.59	0.60	2019
	20:00	0.76	0.59	0.68	2019
DAY 23	04:00	0.76	0.59	0.82	2019
	12:00	0.76	0.60	0.77	2019
	20:00	0.76	0.59	0.82	2019
DAY 24	04:00	0.75	0.58	0.89	2019
	12:00	0.76	0.59	0.75	2019
	20:00	0.76	0.59	0.82	2019
DAY 25	04:00	0.76	0.58	0.92	2019
	12:00	0.77	0.60	0.64	2019
	20:00	0.76	0.59	0.69	2019
DAY 26	04:00	0.75	0.58	0.86	2019
	12:00	0.77	0.59	0.87	2019
	20:00	0.77	0.60	0.61	2019
DAY 27	04:00	0.74	0.58	0.88	2019
	12:00	0.77	0.59	0.89	2019
	20:00	0.75	0.57	0.82	2019
DAY 28	04:00	0.76	0.58	0.90	2019
	12:00	0.76	0.59	0.88	2019
	20:00	0.77	0.60	0.84	2019
DAY 29	04:00	0.74	0.57	0.82	2019
	12:00	0.78	0.60	0.83	2019
	20:00	0.77	0.59	0.79	2019
DAY 30	04:00	0.76	0.58	0.88	2019
	12:00	0.77	0.59	0.64	2019
	20:00	0.78	0.60	0.62	2019

		HEPA 1	HEPA 2	DUST	YEAR
DAY 31	04:00	0.76	0.58	0.81	2019
	12:00	0.78	0.59	0.71	2019
	20:00	0.78	0.60	0.63	2019

JAN FEB MAR

APR MAY JUN

JUL AUG SEP

OCT NOV DEC

MONTH DISPLAYED IS
JANUARY

PRINT SCREEN MAIN

2:24:27 PM Tuesday, July 09, 2019

NM STATE REPORTING

		HEPA 1	HEPA 2	DUST	YEAR
DAY 1	04:00	0.76	0.59	0.76	2019
	12:00	0.77	0.59	0.67	2019
	20:00	0.75	0.58	0.63	2019
DAY 2	04:00	0.77	0.59	0.60	2019
	12:00	0.76	0.59	0.74	2019
	20:00	0.76	0.59	0.63	2019
DAY 3	04:00	0.76	0.59	0.80	2019
	12:00	0.78	0.58	0.71	2019
	20:00	0.77	0.59	0.67	2019
DAY 4	04:00	0.76	0.58	0.76	2019
	12:00	0.76	0.59	0.71	2019
	20:00	0.76	0.59	0.65	2019
DAY 5	04:00	0.77	0.59	0.61	2019
	12:00	0.77	0.60	0.66	2019
	20:00	0.78	0.60	0.62	2019
DAY 6	04:00	0.77	0.59	0.58	2019
	12:00	0.76	0.59	0.61	2019
	20:00	0.76	0.59	0.82	2019
DAY 7	04:00	0.77	0.59	0.85	2019
	12:00	0.78	0.60	0.68	2019
	20:00	0.77	0.60	0.82	2019
DAY 8	04:00	0.76	0.58	0.94	2019
	12:00	0.75	0.59	1.15	2019
	20:00	0.76	0.59	0.80	2019
DAY 9	04:00	0.75	0.58	0.69	2019
	12:00	0.76	0.59	0.99	2019
	20:00	0.77	0.59	0.70	2019
DAY 10	04:00	0.77	0.59	0.83	2019
	12:00	0.77	0.59	0.69	2019
	20:00	0.76	0.59	0.67	2019

		HEPA 1	HEPA 2	DUST	YEAR
DAY 11	04:00	0.75	0.58	0.65	2019
	12:00	0.75	0.58	0.77	2019
	20:00	0.80	0.61	0.81	2019
DAY 12	04:00	0.75	0.59	0.91	2019
	12:00	0.77	0.59	0.68	2019
	20:00	0.77	0.59	0.77	2019
DAY 13	04:00	0.75	0.58	0.79	2019
	12:00	0.77	0.59	0.82	2019
	20:00	0.78	0.59	0.65	2019
DAY 14	04:00	0.79	0.60	0.72	2019
	12:00	0.77	0.60	0.70	2019
	20:00	0.77	0.59	0.63	2019
DAY 15	04:00	0.79	0.60	0.63	2019
	12:00	0.77	0.59	0.64	2019
	20:00	0.78	0.58	0.68	2019
DAY 16	04:00	0.78	0.59	0.69	2019
	12:00	0.79	0.61	0.68	2019
	20:00	0.77	0.59	0.82	2019
DAY 17	04:00	0.75	0.58	0.93	2019
	12:00	0.78	0.60	0.76	2019
	20:00	0.77	0.59	0.86	2019
DAY 18	04:00	0.75	0.59	0.71	2019
	12:00	0.77	0.59	0.93	2019
	20:00	0.76	0.58	0.75	2019
DAY 19	04:00	0.77	0.58	0.91	2019
	12:00	0.78	0.59	0.93	2019
	20:00	0.77	0.59	0.83	2019
DAY 20	04:00	0.76	0.59	0.87	2019
	12:00	0.77	0.60	0.83	2019
	20:00	0.75	0.59	0.71	2019

		HEPA 1	HEPA 2	DUST	YEAR
DAY 21	04:00	0.76	0.59	0.83	2019
	12:00	0.78	0.60	0.86	2019
	20:00	0.77	0.60	0.74	2019
DAY 22	04:00	0.78	0.60	0.71	2019
	12:00	0.77	0.59	0.60	2019
	20:00	0.76	0.59	0.81	2019
DAY 23	04:00	0.78	0.59	0.79	2019
	12:00	0.78	0.60	0.90	2019
	20:00	0.79	0.60	0.84	2019
DAY 24	04:00	0.78	0.60	0.83	2019
	12:00	0.79	0.60	0.80	2019
	20:00	0.80	0.61	0.72	2019
DAY 25	04:00	0.77	0.60	0.79	2019
	12:00	0.79	0.61	0.77	2019
	20:00	0.78	0.60	0.75	2019
DAY 26	04:00	0.77	0.60	0.87	2019
	12:00	0.79	0.60	0.69	2019
	20:00	0.81	0.62	0.60	2019
DAY 27	04:00	0.77	0.60	0.77	2019
	12:00	0.78	0.60	0.71	2019
	20:00	0.79	0.60	0.72	2019
DAY 28	04:00	0.77	0.60	0.68	2019
	12:00	0.79	0.60	0.73	2019
	20:00	0.79	0.61	0.73	2019

JAN FEB MAR

APR MAY JUN

JUL AUG SEP

OCT NOV DEC

MONTH DISPLAYED IS
FEBRUARY

PRINT SCREEN MAIN

2:25:28 PM Tuesday, July 09, 2019

NM STATE REPORTING

		HEPA 1	HEPA 2	DUST	YEAR
DAY 1	04:00	0.77	0.60	0.71	2019
	12:00	0.80	0.61	0.86	2019
	20:00	0.80	0.61	0.64	2019
DAY 2	04:00	0.77	0.59	0.87	2019
	12:00	0.80	0.62	0.97	2019
	20:00	0.79	0.61	0.68	2019
DAY 3	04:00	0.77	0.59	0.83	2019
	12:00	0.80	0.61	0.81	2019
	20:00	0.80	0.61	0.73	2019
DAY 4	04:00	0.78	0.61	0.82	2019
	12:00	0.81	0.62	0.95	2019
	20:00	0.80	0.62	0.80	2019
DAY 5	04:00	0.78	0.60	0.86	2019
	12:00	0.80	0.61	1.06	2019
	20:00	0.81	0.62	0.89	2019
DAY 6	04:00	0.78	0.60	0.72	2019
	12:00	0.79	0.60	0.89	2019
	20:00	0.80	0.60	0.81	2019
DAY 7	04:00	0.79	0.61	0.65	2019
	12:00	0.78	0.60	0.83	2019
	20:00	0.79	0.60	0.80	2019
DAY 8	04:00	0.77	0.60	0.66	2019
	12:00	0.79	0.61	0.79	2019
	20:00	0.83	0.63	0.74	2019
DAY 9	04:00	0.80	0.61	0.68	2019
	12:00	0.79	0.61	0.84	2019
	20:00	0.79	0.61	0.58	2019
DAY 10	04:00	0.79	0.61	0.65	2019
	12:00	0.79	0.62	0.71	2019
	20:00	0.79	0.61	0.66	2019

		HEPA 1	HEPA 2	DUST	YEAR
DAY 11	04:00	0.80	0.61	0.61	2019
	12:00	0.73	0.57	0.66	2019
	20:00	0.80	0.61	0.65	2019
DAY 12	04:00	0.78	0.60	0.63	2019
	12:00	0.78	0.59	0.79	2019
	20:00	0.78	0.60	0.66	2019
DAY 13	04:00	0.79	0.60	0.79	2019
	12:00	0.77	0.60	-0.1	2019
	20:00	0.78	0.61	-0.1	2019
DAY 14	04:00	0.78	0.60	-0.3	2019
	12:00	0.78	0.61	0.69	2019
	20:00	0.81	0.62	0.84	2019
DAY 15	04:00	0.79	0.61	0.80	2019
	12:00	0.79	0.61	1.12	2019
	20:00	0.79	0.61	0.80	2019
DAY 16	04:00	0.79	0.61	0.67	2019
	12:00	0.78	0.60	0.82	2019
	20:00	0.78	0.60	0.67	2019
DAY 17	04:00	0.76	0.59	0.68	2019
	12:00	0.78	0.60	0.89	2019
	20:00	0.79	0.61	0.72	2019
DAY 18	04:00	0.79	0.61	0.60	2019
	12:00	0.79	0.61	0.96	2019
	20:00	0.80	0.61	0.69	2019
DAY 19	04:00	0.79	0.60	0.63	2019
	12:00	0.80	0.61	0.92	2019
	20:00	0.80	0.61	0.64	2019
DAY 20	04:00	0.78	0.60	0.68	2019
	12:00	0.78	0.61	0.74	2019
	20:00	0.79	0.60	0.70	2019

		HEPA 1	HEPA 2	DUST	YEAR
DAY 21	04:00	0.78	0.60	0.67	2019
	12:00	0.79	0.61	0.73	2019
	20:00	0.78	0.60	0.79	2019
DAY 22	04:00	0.79	0.61	0.60	2019
	12:00	0.79	0.61	0.74	2019
	20:00	0.80	0.61	0.67	2019
DAY 23	04:00	0.79	0.61	0.67	2019
	12:00	0.79	0.61	0.71	2019
	20:00	0.79	0.60	0.73	2019
DAY 24	04:00	0.78	0.60	0.63	2019
	12:00	0.79	0.61	0.78	2019
	20:00	0.80	0.61	0.78	2019
DAY 25	04:00	0.78	0.60	0.72	2019
	12:00	0.81	0.61	0.90	2019
	20:00	0.80	0.61	0.80	2019
DAY 26	04:00	0.77	0.59	0.72	2019
	12:00	0.78	0.60	0.98	2019
	20:00	0.79	0.60	0.82	2019
DAY 27	04:00	0.79	0.60	0.67	2019
	12:00	0.79	0.60	0.98	2019
	20:00	0.80	0.61	0.91	2019
DAY 28	04:00	0.79	0.61	0.77	2019
	12:00	0.78	0.60	1.03	2019
	20:00	0.79	0.61	0.87	2019
DAY 29	04:00	0.79	0.60	0.69	2019
	12:00	0.79	0.61	0.85	2019
	20:00	0.81	0.61	0.73	2019
DAY 30	04:00	0.78	0.60	0.61	2019
	12:00	0.79	0.60	0.67	2019
	20:00	0.79	0.61	0.64	2019

		HEPA 1	HEPA 2	DUST	YEAR
DAY 31	04:00	0.78	0.60	0.70	2019
	12:00	0.78	0.61	0.71	2019
	20:00	0.77	0.60	0.79	2019

JAN FEB MAR

APR MAY JUN

JUL AUG SEP

OCT NOV DEC

MONTH DISPLAYED IS
MARCH

PRINT SCREEN MAIN

2:26:08 PM Tuesday, July 09, 2019

NM STATE REPORTING

		HEPA 1	HEPA 2	DUST	YEAR
DAY 1	04:00	0.77	0.60	0.76	2019
	12:00	0.78	0.60	0.79	2019
	20:00	0.80	0.61	0.84	2019
DAY 2	04:00	0.78	0.61	0.87	2019
	12:00	0.79	0.60	0.74	2019
	20:00	0.80	0.61	0.75	2019
DAY 3	04:00	0.79	0.60	0.71	2019
	12:00	0.78	0.61	0.76	2019
	20:00	0.79	0.61	0.85	2019
DAY 4	04:00	0.78	0.60	0.84	2019
	12:00	0.78	0.61	0.71	2019
	20:00	0.80	0.61	0.79	2019
DAY 5	04:00	0.78	0.60	0.60	2019
	12:00	0.77	0.60	0.76	2019
	20:00	0.80	0.61	0.79	2019
DAY 6	04:00	0.79	0.61	0.60	2019
	12:00	0.80	0.61	0.77	2019
	20:00	0.80	0.61	0.75	2019
DAY 7	04:00	0.79	0.61	0.75	2019
	12:00	0.80	0.61	0.75	2019
	20:00	0.81	0.62	0.84	2019
DAY 8	04:00	0.80	0.61	0.68	2019
	12:00	0.77	0.59	0.87	2019
	20:00	0.79	0.60	0.93	2019
DAY 9	04:00	0.78	0.60	0.81	2019
	12:00	0.78	0.59	0.96	2019
	20:00	0.79	0.60	0.97	2019
DAY 10	04:00	0.77	0.60	0.82	2019
	12:00	0.79	0.61	0.83	2019
	20:00	0.82	0.63	0.84	2019

		HEPA 1	HEPA 2	DUST	YEAR
DAY 11	04:00	0.79	0.61	0.62	2019
	12:00	0.79	0.61	0.63	2019
	20:00	0.79	0.61	0.62	2019
DAY 12	04:00	0.79	0.61	0.65	2019
	12:00	0.81	0.62	0.77	2019
	20:00	0.78	0.61	0.61	2019
DAY 13	04:00	0.78	0.60	0.82	2019
	12:00	0.78	0.61	0.66	2019
	20:00	0.79	0.60	0.68	2019
DAY 14	04:00	0.77	0.59	0.78	2019
	12:00	0.77	0.60	0.75	2019
	20:00	0.79	0.60	0.89	2019
DAY 15	04:00	0.79	0.61	0.74	2019
	12:00	0.78	0.60	1.13	2019
	20:00	0.80	0.61	0.88	2019
DAY 16	04:00	0.81	0.61	0.71	2019
	12:00	0.80	0.61	0.91	2019
	20:00	0.80	0.61	0.88	2019
DAY 17	04:00	0.79	0.61	0.61	2019
	12:00	0.80	0.61	1.01	2019
	20:00	0.79	0.61	0.72	2019
DAY 18	04:00	0.78	0.60	0.73	2019
	12:00	0.78	0.60	0.85	2019
	20:00	0.80	0.62	0.88	2019
DAY 19	04:00	0.79	0.60	0.67	2019
	12:00	0.78	0.60	0.88	2019
	20:00	0.80	0.60	0.93	2019
DAY 20	04:00	0.78	0.60	0.81	2019
	12:00	0.78	0.60	0.97	2019
	20:00	0.80	0.61	0.90	2019

		HEPA 1	HEPA 2	DUST	YEAR
DAY 21	04:00	0.81	0.62	0.73	2019
	12:00	0.80	0.61	0.83	2019
	20:00	0.80	0.61	0.87	2019
DAY 22	04:00	0.80	0.61	0.74	2019
	12:00	0.79	0.60	0.94	2019
	20:00	0.79	0.61	0.86	2019
DAY 23	04:00	0.77	0.60	0.69	2019
	12:00	0.79	0.60	0.68	2019
	20:00	0.80	0.61	0.69	2019
DAY 24	04:00	0.78	0.60	0.70	2019
	12:00	0.77	0.59	0.80	2019
	20:00	0.80	0.62	0.91	2019
DAY 25	04:00	0.79	0.61	0.70	2019
	12:00	0.80	0.61	0.94	2019
	20:00	0.80	0.61	0.88	2019
DAY 26	04:00	0.79	0.61	0.73	2019
	12:00	0.77	0.59	0.89	2019
	20:00	0.80	0.61	0.88	2019
DAY 27	04:00	0.79	0.61	0.80	2019
	12:00	0.77	0.60	0.87	2019
	20:00	0.79	0.60	0.92	2019
DAY 28	04:00	0.79	0.61	0.89	2019
	12:00	0.79	0.61	0.94	2019
	20:00	0.80	0.61	0.93	2019
DAY 29	04:00	0.79	0.61	0.81	2019
	12:00	0.80	0.61	0.87	2019
	20:00	0.79	0.61	0.81	2019
DAY 30	04:00	0.77	0.60	0.84	2019
	12:00	0.79	0.61	0.83	2019
	20:00	0.80	0.61	0.80	2019

JAN FEB MAR

APR MAY JUN

JUL AUG SEP

OCT NOV DEC

MONTH DISPLAYED IS
APRIL

PRINT SCREEN MAIN

2:27:15 PM Tuesday, July 09, 2019

NM STATE REPORTING

		HEPA 1	HEPA 2	DUST	YEAR
DAY 1	04:00	0.81	0.62	0.71	2019
	12:00	0.78	0.60	0.82	2019
	20:00	0.79	0.61	0.89	2019
DAY 2	04:00	0.78	0.60	0.64	2019
	12:00	0.79	0.61	0.96	2019
	20:00	0.80	0.61	0.84	2019
DAY 3	04:00	0.79	0.60	0.72	2019
	12:00	0.78	0.60	0.92	2019
	20:00	0.80	0.61	0.88	2019
DAY 4	04:00	0.79	0.61	0.69	2019
	12:00	0.78	0.60	0.78	2019
	20:00	0.78	0.60	0.85	2019
DAY 5	04:00	0.79	0.61	0.72	2019
	12:00	0.79	0.61	0.92	2019
	20:00	0.80	0.61	0.88	2019
DAY 6	04:00	0.79	0.60	0.78	2019
	12:00	0.79	0.61	0.90	2019
	20:00	0.79	0.60	0.97	2019
DAY 7	04:00	-0.0	-0.0	-0.1	2019
	12:00	0.78	0.60	0.84	2019
	20:00	0.81	0.62	0.81	2019
DAY 8	04:00	0.80	0.62	0.65	2019
	12:00	0.78	0.60	0.75	2019
	20:00	0.81	0.61	0.74	2019
DAY 9	04:00	0.79	0.60	0.73	2019
	12:00	0.78	0.60	0.68	2019
	20:00	0.80	0.61	0.65	2019
DAY 10	04:00	0.78	0.60	0.76	2019
	12:00	0.78	0.60	0.99	2019
	20:00	0.80	0.61	0.80	2019

		HEPA 1	HEPA 2	DUST	YEAR
DAY 11	04:00	0.77	0.59	0.87	2019
	12:00	0.79	0.61	0.74	2019
	20:00	0.79	0.60	0.71	2019
DAY 12	04:00	0.78	0.60	0.68	2019
	12:00	0.78	0.60	0.78	2019
	20:00	0.78	0.60	0.87	2019
DAY 13	04:00	0.79	0.60	0.83	2019
	12:00	0.78	0.60	1.09	2019
	20:00	0.79	0.61	0.93	2019
DAY 14	04:00	0.79	0.60	0.78	2019
	12:00	0.78	0.60	1.08	2019
	20:00	0.79	0.60	1.02	2019
DAY 15	04:00	0.79	0.60	0.83	2019
	12:00	0.79	0.59	0.94	2019
	20:00	0.79	0.60	0.99	2019
DAY 16	04:00	0.79	0.61	0.79	2019
	12:00	0.81	0.62	0.90	2019
	20:00	0.79	0.60	0.97	2019
DAY 17	04:00	0.80	0.61	0.84	2019
	12:00	0.79	0.60	0.94	2019
	20:00	0.80	0.60	0.87	2019
DAY 18	04:00	0.80	0.61	0.64	2019
	12:00	0.79	0.61	0.72	2019
	20:00	0.81	0.62	0.71	2019
DAY 19	04:00	0.79	0.61	0.74	2019
	12:00	0.79	0.60	0.78	2019
	20:00	0.79	0.60	0.83	2019
DAY 20	04:00	0.78	0.60	0.81	2019
	12:00	0.80	0.62	0.99	2019
	20:00	0.80	0.62	0.59	2019

		HEPA 1	HEPA 2	DUST	YEAR
DAY 21	04:00	0.78	0.60	0.70	2019
	12:00	0.80	0.61	1.01	2019
	20:00	0.80	0.61	0.64	2019
DAY 22	04:00	0.80	0.62	0.66	2019
	12:00	0.80	0.61	0.91	2019
	20:00	0.81	0.62	0.85	2019
DAY 23	04:00	0.79	0.61	0.77	2019
	12:00	0.79	0.60	1.08	2019
	20:00	0.80	0.61	0.80	2019
DAY 24	04:00	0.78	0.60	0.62	2019
	12:00	0.78	0.60	0.87	2019
	20:00	0.79	0.61	0.88	2019
DAY 25	04:00	0.78	0.61	0.73	2019
	12:00	0.78	0.60	0.84	2019
	20:00	0.79	0.60	0.94	2019
DAY 26	04:00	0.78	0.60	0.72	2019
	12:00	0.78	0.60	0.95	2019
	20:00	0.78	0.60	0.81	2019
DAY 27	04:00	0.79	0.61	0.67	2019
	12:00	0.78	0.60	0.88	2019
	20:00	0.80	0.62	0.86	2019
DAY 28	04:00	0.81	0.62	0.62	2019
	12:00	0.78	0.60	0.73	2019
	20:00	0.80	0.62	0.82	2019
DAY 29	04:00	0.78	0.60	0.62	2019
	12:00	0.78	0.60	0.85	2019
	20:00	0.80	0.60	0.83	2019
DAY 30	04:00	0.79	0.60	0.72	2019
	12:00	0.78	0.60	0.92	2019
	20:00	0.80	0.62	0.77	2019

		HEPA 1	HEPA 2	DUST	YEAR
DAY 31	04:00	0.80	0.61	0.66	2019
	12:00	0.79	0.60	1.04	2019
	20:00	0.80	0.61	0.97	2019

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2:27:48 PM Tuesday, July 09, 2019

NM STATE REPORTING

		HEPA 1	HEPA 2	DUST	YEAR
DAY 1	04:00	0.79	0.61	0.81	2019
	12:00	0.78	0.60	1.02	2019
	20:00	0.78	0.60	0.94	2019
DAY 2	04:00	0.79	0.61	0.74	2019
	12:00	0.79	0.60	0.81	2019
	20:00	0.79	0.61	0.90	2019
DAY 3	04:00	0.79	0.61	0.77	2019
	12:00	0.79	0.60	1.14	2019
	20:00	0.80	0.61	0.92	2019
DAY 4	04:00	0.79	0.61	0.78	2019
	12:00	0.79	0.61	1.14	2019
	20:00	0.79	0.60	0.84	2019
DAY 5	04:00	0.78	0.60	0.76	2019
	12:00	0.78	0.60	1.02	2019
	20:00	0.79	0.60	0.89	2019
DAY 6	04:00	0.79	0.60	0.69	2019
	12:00	0.79	0.60	0.95	2019
	20:00	0.78	0.59	-0.0	2019
DAY 7	04:00	0.77	0.59	-0.2	2019
	12:00	0.79	0.60	1.00	2019
	20:00	0.80	0.62	1.07	2019
DAY 8	04:00	0.79	0.61	0.93	2019
	12:00	0.78	0.60	0.96	2019
	20:00	0.80	0.61	1.02	2019
DAY 9	04:00	0.78	0.60	0.92	2019
	12:00	0.79	0.60	1.00	2019
	20:00	0.79	0.60	1.01	2019
DAY 10	04:00	0.79	0.61	0.78	2019
	12:00	0.79	0.61	0.97	2019
	20:00	0.79	0.60	0.92	2019

		HEPA 1	HEPA 2	DUST	YEAR
DAY 11	04:00	0.79	0.61	0.78	2019
	12:00	0.78	0.60	1.00	2019
	20:00	0.79	0.61	1.04	2019
DAY 12	04:00	0.79	0.61	0.87	2019
	12:00	0.82	0.62	1.02	2019
	20:00	0.79	0.60	1.03	2019
DAY 13	04:00	0.79	0.60	0.83	2019
	12:00	0.79	0.60	1.01	2019
	20:00	0.81	0.61	1.09	2019
DAY 14	04:00	0.82	0.62	0.92	2019
	12:00	0.78	0.60	1.05	2019
	20:00	0.79	0.60	1.04	2019
DAY 15	04:00	0.80	0.61	0.90	2019
	12:00	0.78	0.60	0.97	2019
	20:00	0.79	0.60	0.87	2019
DAY 16	04:00	0.79	0.61	0.82	2019
	12:00	0.78	0.59	0.89	2019
	20:00	0.80	0.60	0.95	2019
DAY 17	04:00	0.79	0.60	0.89	2019
	12:00	0.79	0.60	1.01	2019
	20:00	0.79	0.61	0.84	2019
DAY 18	04:00	0.80	0.61	0.74	2019
	12:00	0.79	0.60	1.14	2019
	20:00	0.80	0.61	1.00	2019
DAY 19	04:00	0.79	0.61	0.86	2019
	12:00	0.79	0.61	1.00	2019
	20:00	0.80	0.61	1.06	2019
DAY 20	04:00	0.79	0.61	0.89	2019
	12:00	0.79	0.60	1.14	2019
	20:00	0.79	0.60	1.10	2019

		HEPA 1	HEPA 2	DUST	YEAR
DAY 21	04:00	0.78	0.61	0.95	2019
	12:00	0.80	0.61	0.94	2019
	20:00	0.81	0.61	1.08	2019
DAY 22	04:00	0.79	0.61	0.91	2019
	12:00	0.79	0.61	1.03	2019
	20:00	0.81	0.61	0.94	2019
DAY 23	04:00	0.79	0.61	0.73	2019
	12:00	0.79	0.60	0.92	2019
	20:00	0.80	0.61	0.91	2019
DAY 24	04:00	0.79	0.61	0.71	2019
	12:00	0.79	0.61	1.18	2019
	20:00	0.80	0.61	1.03	2019
DAY 25	04:00	0.79	0.61	0.88	2019
	12:00	0.78	0.60	1.29	2019
	20:00	0.81	0.61	1.06	2019
DAY 26	04:00	0.79	0.61	0.95	2019
	12:00	0.79	0.61	1.09	2019
	20:00	0.80	0.60	1.11	2019
DAY 27	04:00	0.80	0.61	0.95	2019
	12:00	0.78	0.60	1.07	2019
	20:00	0.79	0.60	1.05	2019
DAY 28	04:00	0.79	0.61	0.96	2019
	12:00	0.78	0.60	1.08	2019
	20:00	0.79	0.60	1.05	2019
DAY 29	04:00	0.79	0.61	0.98	2019
	12:00	0.78	0.59	1.16	2019
	20:00	0.80	0.61	1.09	2019
DAY 30	04:00	0.78	0.60	0.96	2019
	12:00	0.79	0.60	1.14	2019
	20:00	0.79	0.60	1.12	2019

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2:29:03 PM Tuesday, July 09, 2019

ATTACHMENT A707.C.b.

Beryllium

TA-55-PF4 Annual HEPA Filter Challenge Test Reports

Annual HEPA filter tests for the Plutonium Facility TA-55-PF4 were not conducted in the months of January – June.

ATTACHMENT A707.C.c.

Beryllium

TA-55-PF4 HEPA Filtration Differential Pressure Readings

FOR INFORMATION ONLY

Attachment B, Surveillance Training Checklist

(Page 1 of 2)

Procedure title:	SURVEILLANCE ROUNDS
Procedure no.:	TA55. STP. 004 R 19.1
Date of issue:	01.01.19
Working copy issued to:	COCHRAN
Working copy issued by:	CHANCE
	Certified Operations Center Operator (OCO)

Procedure is the current revision listed in Documentum: ☑ Yes ☐ Documentum Unavailable

Performance Type: ☑ Scheduled ☐ Partial ☐ Other *If partial or other list reason in Comments below*

Comments: *(Document TSR Status Board tracking date here if different from completion date.)*

Training Checklist:

Workers Performing Surveillance	Applicable Surveillance Training Current	
	OCO Initials	Date
J CEDILLO	BC	01.01.19
B CHANCE	BC	01.01.19
C COCHRAN	BC	01.01.19
A JAURIGUE	BC	01.01.19
M MILLER	BC	01.01.19
R PRICE	BC	01.01.19
F SEYBERT	BC	01.01.19
K ASHLEY	BC	01.01.19
D DUNLAVY	BC	01.01.19

OC Reviews Complete and TSR Status Board Updated

OCO Signature 2/1/19 Date

FOR INFORMATION ONLY

Attachment B, Surveillance Training Checklist (continued)

(Page 2 of 2)

Training Checklist (continuation sheet)

Workers Performing Surveillance	Applicable Surveillance Training Current	
	Initials	Date
A DUNSEITH	BC	01-01-19
M WASHBURN	BC	01-01-19
B FORDHAM	BC	01-01-19
D HEINTSCHEL	BC	01-01-19
R HOHNER	BC	01-01-19
M IRISH	BC	01-01-19
T LANGWORTHY	BC	01-01-19
J MARTINEZ	BC	01-01-19
R MARTINEZ	BC	01-01-19
ANTHONY SANCHEZ	BC	01-01-19
AUGIE SANCHEZ	BC	01-01-19
P TRUJILLO	BC	01-01-19
S O'NEILL	BC	01-01-19

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 1 of 3)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

Note Gauge readings should be taken on rack #4 in the OC. whenever possible. Document if alternate PDIs are used.		**Date:**			1/1/19		1/2/19		1/3/19		1/4/19		1/5/19		1/6/19	
		Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
		Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
		Initials:														
SRs	**Description**	**Gauge Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**													
4.1.1.1 4.1.2.1[2]	**200 area glovebox exhaust header ΔP**	PDI-814-1 or PDI-814-2 ≤-1.0 in. wc[1]			-2.01	-2.01	-2.00	-2.0	-2.00	-2.00	-2.00	-2.00	-2.01	-2.00	-1.99	-2.00
	100 area glovebox exhaust header ΔP	PDI-820-1 or PDI-820-2 ≤-1.0 in. wc[1]			-1.94	-1.94	-1.94	-1.95	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.95
	300 area glovebox exhaust header ΔP	PDI-870-1 or PDI-870-2 ≤-1.0 in. wc[1]			-2.00	-2.01	-2.01	-2.01	-2.01	-2.01	-2.01	-2.01	-2.01	-2.01	-2.02	-2.00
	400 area glovebox exhaust header ΔP	PDI-864-1 or PDI-864-2 ≤-1.0 in. wc[1]			-2.02	-2.03	-2.03	-2.02	-2.02	-2.03	-2.03	-2.02	-2.03	-2.02	-2.02	-2.01
4.1.1.2 4.1.1.5 4.1.2.2[2]	**200 area laboratory header ΔP**	PDI-803-1 or PDI-803-2 ≤-0.05 in. wc[1]			-.18	-.19	-.18	-.18	-0.19	-.18	-.18	-.18	-.18	-.19	-.19	-.17
	100 area laboratory header ΔP	PDI-802-1 or PDI-802-2 ≤-0.05 in. wc[1]			-.23	-.23	-.23	-.23	-0.22	-.22	-.22	-.22	-.23	-.23	-.23	-.21
	300 area laboratory header ΔP	PDI-853-1 or PDI-853-2 ≤-0.05 in. wc[1]			-.21	-.21	-.20	-.20	-0.20	-.20	-.20	-.20	-.20	-.20	-.20	-.19
	400 area laboratory header ΔP	PDI-852-1 or PDI-852-2 ≤-0.05 in. wc[1]			-.20	-.20	-.20	-.20	-0.20	-.19	-.19	-.20	-.20	-.20	-.20	-.19
	IFIT Facility ΔP	PDI-865-4 or PDI-865-5 ≤-0.05 in. wc			-.15	-.15	-.15	-.15	-0.15	-.15	-.15	-.15	-.15	-.15	-.15	-.15
4.1.1.3 4.1.2.3[2]	**North basement ΔP**	PDI-804-1 or PDI-804-2 < 0.00 in. wc			-.09	-.09	-.09	-.09	-0.09	-.09	-.09	-.09	-.10	-.10	-.10	-.10
	South basement ΔP	PDI-854-1 or PDI-854-2 < 0.00 in. wc			-.08	-.08	-.08	-.08	-0.08	-.08	-.08	-.08	-.08	-.08	-.08	-.08
	IRT Tunnel ΔP	PDT-901 or PDI-901 < 0.00 in. wc			-.102	-.102	-.101	-.088	-0.101	-.095	-.088	-.100	-.098	-.094	-.095	-.098

FOR INFORMATION ONLY

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 2 of 3)

Note: Readings should be taken using FCS screens FMT#151,152,201LD and 202LD. Field verification and local plenum PDI's may be used if FCS is unavailable.				Date:		1/1/19		1/2/19		1/3/19		1/4/19		1/5/19		1/6/19	
				Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
				Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
				Initials:														
SRs	**Description**	**Readings**	**Acceptance Criteria**	**SURVEILLANCE RESULTS Sat / Unsat (circle one)**														
4.1.1.6	**200 area re-circulation fan/ plenum**	FR-801 Icon red and PDT-831 ΔP >.050 or FR-802 Icon red and PDT-832 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	100 area re-circulation fan/ plenum	FR-803 Icon red and PDT-833 ΔP >.050 or FR-804 Icon red and PDT-835 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	300 area re-circulation fan/ plenum	FR-805 Icon red and PDT-836 ΔP >.050 or FR-806 Icon red and PDT-837 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	400 area re-circulation fan/ plenum	FR-807 Icon red and PDT-838 ΔP >.050 or FR-808 Icon red and PDT-839 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	Vault re-circulation fan/ plenum	FR-811 Icon red and PDT-840 ΔP >.050 or FR-812 Icon red and PDT-841 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat

FOR INFORMATION ONLY

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 3 of 3)

Note
Gauge readings should be taken on rack #4 in the OC when possible, local PDI equivalents may be used if necessary. Document any alternate PDIs used.

				Date:			1/1/19		1/2/19		1/3/19		1/4/19		1/5/19		1/6/19	
				Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
				Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
				Initials:			✓	MH	✓	BC	✓	BC	✓	MH	✓	MH	✓	MH
SRs	**Description**	**Area**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS Sat / Unsat (circle one)**													
4.1.1.4	**Glovebox exhaust header ΔPs < laboratory ΔPs < basement ΔPs for areas 100, 200, 300 and 400**	200 Area	PDI-814-2 PDI-803-2 PDI-804-2	PDI-814-2 < PDI-803-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		100 Area	PDI-820-2 PDI-802-2 PDI-804-2	PDI-820-2 < PDI-802-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		300 Area	PDI-870-2 PDI-853-2 PDI-854-2	PDI-870-2 < PDI-853-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		400 Area	PDI-864-2 PDI-852-2 PDI-854-2	PDI-864-2 < PDI-852-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		Completion Time					0745	1932	0717	1926	0719	1425	0750	1930	0720	1931	0722	1930

[1] Mode 2 acceptance criteria is < 0.00 in. wc.

[2] SRs 4.1.2.x only apply during Mode 2 in accordance with LCO 3.1.2.

Completed by: _____ Date: 1/6/19 Time: 1930 Reviewed by: _____ Date: 1/7/19 Time: 0740
On-duty Supervisor

Comments: _____

FOR INFORMATION ONLY

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

SR 4.4.1.1, The OPERABILITY acceptance criterion for this surveillance is:
The FLAMMABLE GAS detector in the FSTF FLAMMABLE GAS SOURCE storage cabinet is exposed to the ambient atmosphere in the storage cabinet. The gas concentration readout directly on the detector in the storage cabinet is compared with the gas concentration readout on the system control and alarm panel. The difference between the two readings is checked to VERIFY it is in the range of (≥-0.1; ≤0.1).

		Date:		1-1-19	1-2-19	1-3-19	1-4-19	1-5-19	1-6-19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:		PT	PT	PT	RH	PT	PT
	Description / Gauge	**Acceptance Criteria**	**SURVEILLANCE RESULTS (percentage)**						
SR 4.4.1.1	**Flammable Gas Channel Check DET-305-3 (LCD Reading)**	NA		005	005	005	005	005	005
	CP-305-H (LED Reading)			005	005	005	005	005	005
	(DET-305-3) – (CP-305H) (LCD Reading) (LED Reading)	Record Calculated Value		005	005	005	005	005	005
		≥ -0.1; ≤+0.1	Sat / Unsat	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005
		Completion Time:		0903	0825	0818	0912	0730	0740

FOR INFORMATION ONLY

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side)[UET]

(Page 2 of 4)

			Date:		1-1-19	1-2-19	1-3-19	1-4-19	1-5-19	1-6-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:		PT	PT	PT	ZH	PT	PT
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.3.4²	**South basement supply filter plenum (HVP-841) ΔP**	[1]PDI-894-1	≤2.0 & > 0[1] in. wc		.03	.03	.02	.03	.03	.03
		PDI-894-2	≤2.0 & > 0[1] in. wc		.42	.42	.42	.41	.42	.42
4.1.3.4²	**South Corridor supply (HVP-810) ΔP**	[1]PDI-895-1	≤ 2.0 & > 0[1] in. wc		.04	.04	.04	.05	.05	.05
		PDI-895-2	≤2.0 & > 0[1] in. wc		.62	.62	.62	.63	.62	.62
4.1.3.4²	**300 area glovebox exhaust filter plenum (FF854) ΔP**	[1]PDI-817-1	≤2.0 & > 0[1] in. wc		STBY	STBY	STBY	STBY	STBY	STBY
		PDI-817-2	≤2.0 & > 0[1] in. wc		STBY	STBY	STBY	STBY	STBY	STBY
		PDI-817-4	≤2.0 & > 0[1] in. wc		STBY	STBY	STBY	STBY	STBY	STBY
		PDI-817-5	≤2.0 & > 0[1] in. wc		STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4²	**300 area special recovery glovebox exhaust filter plenum (FF858) ΔP**	PDI-81 9-1	≤2.0 & > 0[1] in. wc		STBY	STBY	STBY	STBY	STBY	STBY
		PDI-81 9-3	≤2.0 & > 0[1] in. wc		STBY	STBY	STBY	STBY	STBY	STBY
		PDI-819-4	≤2.0 & > 0[1] in. wc		STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4²	**300 area glovebox exhaust filter plenum (FF855) ΔP**	[1]PDI-818-1	≤2.0 & > 0[1] in. wc		.24	.24	.24	.24	.24	.24
		PDI-818-2	≤2.0 & > 0[1] in. wc		.30	.30	.30	.30	.30	.30
		PDI-818-4	≤2.0 & > 0[1] in. wc		.30	.30	.30	.30	.30	.30
		PDI-818-5	≤2.0 & > 0[1] in. wc		.30	.30	.30	.30	.30	.30
4.1.3.4²	**300 area special recovery glovebox exhaust filter plenum (FF859) ΔP**	PDI-821-1	≤2.0 & > 0[1] in. wc		.41	.41	.41	.40	.41	.41
		PDI-821-3	≤2.0 & > 0[1] in. wc		.47	.48	.48	.46	.48	.48
		PDI-821-4	≤2.0 & > 0[1] in. wc		.40	.40	.41	.40	.41	.41

FOR INFORMATION ONLY

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 3 of 4)

			Date:		1-1-19	1-2-19	1-3-19	1-4-19	1-5-19	1-6-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:		PT	PT	PT	RH	PT	PT
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.3.4[2]	**400 area glovebox exhaust filter plenum (FF856) ΔP**	[1]PDI-822-1	≤2.0 & > 0[1] in. wc		STBY	STBY	STBY	STBY	STBY	STBY
		PDI-822-2	≤2.0 & > 0[1] in. wc		STBY	STBY	STBY	STBY	STBY	STBY
		PDI-822-4	≤2.0 & > 0[1] in. wc		STBY	STBY	STBY	STBY	STBY	STBY
		PDI-822-5	≤2.0 & > 0[1] in. wc		STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	**400 area glovebox exhaust filter plenum (FF857) ΔP**	[1]PDI-823-1	≤2.0 & > 0[1] in. wc		.06	.06	.06	.06	.06	.06
		PDI-823-2	≤2.0 & > 0[1] in. wc		.59	.59	.59	.60	.60	.59
		PDI-823-4	≤2.0 & > 0[1] in. wc		.52	.52	.52	.51	.51	.51
		PDI-823—5	≤2.0 & > 0[1] in. wc		.52	.52	.52	.52	.52	.52
4.1.3.4[2]	**South Basement exhaust filter plenum (FF-829) ΔP**	[1]PDI-830-1	≤2.0 & > 0[1] in. wc		.23	.25	.25	.25	.22	.25
		PDI-830-2	≤2.0 & > 0[1] in. wc		.12	.12	.12	.11	.11	.11
		PDI-830-3	≤2.0 & > 0[1] in. wc		.11	.11	.11	.10	.10	.10
4.1.1.7[2]	**300 area re-circulation filter plenum (HVP-805) ΔP**	[1]PDI-836-1	≤2.0 & > 0[1] in. wc		.06	.06	.06	.06	.06	.06
		PDI-836-2	≤2.0 & > 0[1] in. wc		.65	.64	.64	.65	.65	.65
		PDI-836-3	≤2.0 & > 0[1] in. wc		.62	.62	.64	.65	.63	.63
	300 area re-circulation filter plenum (HVP-806) ΔP	[1]PDI-837-1	≤2.0 & > 0[1] in. wc		.04	.04	.04	.04	.04	.04
		PDI-837-2	≤2.0 & > 0[1] in. wc		.49	.49	.49	.49	.49	.49
		PDI-837-3	≤2.0 & > 0[1] in. wc		.48	.48	.48	.46	.46	.46

FOR INFORMATION ONLY

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 4 of 4)

			Date:		1-1-19	1-2-19	1-3-19	1-4-19	1-5-19	1-6-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:		PT	PT	PT	~~BH~~	PT	PT
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.1.7[2]	400 area re-circulation filter plenum (HVP-807) ΔP	[1]PDI-838-1	≤2.0 & > 0[1] in. wc		.54	.54	.54	.54	.54	.54
		PDI-838-2	≤2.0 & > 0[1] in. wc		.60	.60	.60	.60	.60	.60
		PDI-838-3	≤2.0 & > 0[1] in. wc		.60 PT .70 1145	.60	.60	.60	.60	.60
	400 area re-circulation filter plenum (HVP-808) ΔP	[1]PDI-839-1	≤2.0 & > 0[1] in. wc		.39	.39	.39	.39	.39	.39
		PDI-839-2	≤2.0 & > 0[1] in. wc		.51	.51	.51	.51	.51	.51
		PDI-839-3	≤2.0 & > 0[1] in. wc		.52	.52	.52	.51	.51	.51
4.1.3.4[2]	South Bleed off filter plenum (FF-822A) ΔP	[1]PDI-810-1	≤2.0 & > 0[1] in. wc		OFF	OFF	OFF	OFF	OFF	OFF
		PDI-810-2	≤2.0 & > 0[1] in. wc		OFF	OFF	OFF	OFF	OFF	OFF
		PDI-810-3	≤2.0 & > 0[1] in. wc		OFF	OFF	OFF	OFF	OFF	OFF
4.1.3.4[2]	South Bleed off filter plenum (FF-822B) ΔP	[1]PDI -811 - 1	≤2.0 & > 0[1] in. wc		.11	.11	.11	.11	.11	.11
		PDI -811 -2	≤2.0 & > 0[1] in. wc		.51	.51	.51	.51	.51	.51
		PDI -811 -3	≤2.0 & > 0[1] in. wc		.51	.51	.51	.50	.51	.51
			Completion Time		0800	0754	0802	1000	0724	0747
OC Operator Review and Page Count Complete (initials)					APS			APS	APS	

[1] Non TSR requirement

[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR 4.1.3.4 apply during both Mode 1 and Mode 2 as stated in LCO 3.1.3.

Completed by: Paul Trujillo Date 1-6-19 Time 0747 Reviewed by: _____ Date: 1/7/19 Time: 0740

On-duty Supervisor

Comments Flammable gas channel 005. awating new Replacement

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 1 of 5)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

			Date:		1-1-19	1-2-19	1-3-19	1-4-19 RH	1-5-19	1-6-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:		PT	PT	PT	RH	PT	PT
SRs	**Description**	**Gauge**	**Acceptance Criteria**	SURVEILLANCE RESULTS (in. wc)						
4.1.1.7[2]	Vault re-circulation filter plenum (HVP-811) ΔP Vault re-circulation filter plenum (HVP-812) ΔP	[1]PDI-840-1	≤2.0 & > 0[1] in. wc		STBY	STBY	STBY	STBY	STBY	STBY
		PDI-840-2	≤2.0 & > 0 in[1]. wc		STBY	STBY	STBY	STBY	STBY	STBY
		PDI-840-3	≤2.0 & > 0[1] in. wc		STBY	STBY	STBY	STBY	STBY	STBY
		[1]PDI-841-1	≤2.0 & > 0[1] in. wc		.46	.46	.46	.46	.46	.46
		PDI-841-2	≤2.0 & > 0[1] in. wc		.58	.58	.58	.59	.59	.59
		PDI-841-3	≤2.0 & > 0[1] in. wc		.51	.51	.51	.51	.51	.51
	200 area re-circulation filter plenum (HVP-801) ΔP	[1]PDI-831-1	≤2.0 & > 0[1] in. wc		.33	.33	.33	.33	.33	.33
		PDI-831-2	≤2.0 & > 0[1] in. wc		.42	.42	.42	.41	.42	.42
		PDI-831-3	≤2.0 & > 0[1] in. wc		.41	.41	.41	.40	.41	.41
	200 area re-circulation filter plenum (HVP-802) ΔP	[1]PDI-832-1	≤2.0 & > 0[1] in. wc		.46	.46	.46	.45	.46	.46
		PDI-832-2	≤2.0 & > 0[1] in. wc		.68	.68	.68	.65	.67	.67
		PDI-832-3	≤2.0 & > 0[1] in. wc		.61	.61	.61	.61	.61	.61
4.1.3.4[2]	North Bleed off filter plenum (FF-820A) ΔP	[1]PDI-807-1	≤2.0 & > 0[1] in. wc		OFF	OFF	OFF	OFF	OFF	OFF
		PDI-807-2	≤2.0 & > 0[1] in. wc		OFF	OFF	OFF	OFF	OFF	OFF
		PDI-807-3	≤2.0 & > 0[1] in. wc		OFF	OFF	OFF	OFF	OFF	OFF
4.1.3.4[2]	North Bleed off filter plenum (FF-820B) ΔP	[1]PDI-809-1	≤2.0 & > 0[1] in. wc		.09	.09	.09	.08	.08	.08
		PDI-809-2	≤2.0 & > 0[1] in. wc		.54	.54	.52	.52	.52	.52
		PDI-809-3	≤2.0 & > 0[1] in. wc		.51	.51	.51	.51	.51	.51

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 2 of 5)

			Date:		1-1-19	1-2-19	1-3-19	1-4-19	1-5-19	1-6-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:		PT	PT	PT	RH	PT	PT
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.3.4[2]	**North Basement exhaust filter plenum (FF-828) ΔP**	[1]PDI-829-1	≤2.0 & > 0[1] in. wc		.31	.30	.31	.30	.31	.31
		PDI-829-2	≤2.0 & > 0[1] in. wc		.49	.49	.49	.49	.49	.49
		PDI-829-3	≤2.0 & > 0[1] in. wc		.40	.40	.40	.40	.40	.40
4.1.1.7[2]	**100 area re-circulation filter plenum (HVP-803) ΔP**	[1]PDI-833-1	≤2.0 & > 0[1] in. wc		.07	.07	.07	.07	.07	.07
		PDI-833-2	≤2.0 & > 0[1] in. wc		.55	.55	.55	.54	.53	.53
		PDI-833-3	≤2.0 & > 0[1] in. wc		.51	.51	.51	.51	.51	.51
	100 area re-circulation filter plenum (HVP-804) ΔP	[1]PDI-835-1	≤2.0 & > 0[1] in. wc		.05	.05	.05	.05	.05	.05
		PDI-835-2	≤2.0 & > 0[1] in. wc		.49	.49	.49	.50	.50	.50
		PDI-835-3	≤2.0 & > 0[1] in. wc		.50	.50	.50	.50	.50	.50
4.1.3.4[2]	**100 area glovebox exhaust filter plenum (FF852) ΔP**	[1]PDI-815-1	≤2.0 & > 0[1] in. wc		.28	.28	.26	.26	.28	.28
		PDI-815-2	≤2.0 & > 0[1] in. wc		.54	.55	.54	.54	.54	.54
		PDI-815-4	≤2.0 & > 0[1] in. wc		.49	.49	.49	.49	.49	.49
		PDI-815-5	≤2.0 & > 0[1] in. wc		.49	.49	.49	.50	.49	.49
4.1.3.4[2]	**100 area glovebox exhaust filter plenum (FF853) ΔP**	[1]PDI-816-1	≤2.0 & > 0[1] in. wc		STBY	STBY	STBY	STBY	STBY	STBY
		PDI-816-2	≤2.0 & > 0[1] in. wc		STBY	STBY	STBY	STBY	STBY	STBY
		PDI-816-4	≤2.0 & > 0[1] in. wc		STBY	STBY	STBY	STBY	STBY	STBY
		PDI-816-5	≤2.0 & > 0[1] in. wc		STBY	STBY	STBY	STBY	STBY	STBY

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 3 of 5)

			Date:		1-1-19	1-2-19	1-3-19	1-4-19	1-5-19	1-6-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:		PT	PT	PT	RH	PT	PT
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF850) ΔP	[1]PDI-812-1	≤2.0 & > 0[1] in. wc		.15	.15	.14	.14	.15	.14
		PDI-812-2	≤2.0 & > 0[1] in. wc		.32	.32	.31	.31	.32	.32
		PDI-812-3	≤2.0 & > 0[1] in. wc		.32	.32	.31	.31	.32	.32
		PDI-812-4	≤2.0 & > 0[1] in. wc		.31	.31	.31	.31	.31	.31
		PDI-812-5	≤2.0 & > 0[1] in. wc		.38	.38	.38	.39	.39	.38
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF851) ΔP	[1]PDI-813-1	≤2.0 & > 0[1] in. wc		STBY	STBY	STBY	STBY	STBY	STBY
		PDI-813-2	≤2.0 & > 0[1] in. wc		STBY	STBY	STBY	STBY	STBY	STBY
		PDI-813-3	≤2.0 & > 0[1] in. wc		STBY	STBY	STBY	STBY	STBY	STBY
		PDI-813-4	≤2.0 & > 0[1] in. wc		STBY	STBY	STBY	STBY	STBY	STBY
		PDI-813-5	≤2.0 & > 0[1] in. wc		STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	IFIT exhaust filter plenum (FF-865) ΔP	[1]PDI-865-1	≤2.0 & > 0[1] in. wc		.02	.02	.02	.02	.02	.02
		PDI-865-2	≤2.0 & > 0[1] in. wc		.38	.38	.38	.38	.38	.38
		PDI-865-3	≤2.0 & > 0[1] in. wc		.31	.31	.31	.31	.31	.31
4.1.3.4[2]	IFIT supply filter plenum (HVP-863) ΔP	[1]PDI-863-1	≤2.0 & > 0[1] in. wc		.05	.05	.05	.05	.05	.05
		PDI-863-2	≤2.0 & >0[1] in. wc		.29	.29	.29	.30	.29	.29

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 4 of 5)

			Date:		1-1-19	PT 19 1-2-19	1-3-19	1-4-19	1-5-19	1-6-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:		PT	PT	PT	RH	PT	PT
SRs	**Description**	**Gauge**	**Acceptance Criteria**		**SURVEILLANCE RESULTS**					
4.1.3.4[2]	North Basement supply filter plenum (HVP-840) ΔP	[1]PDI-857-1	≤ 2.0 & > 0[1] in. wc		.10	.10	.10	.10	.10	.10
		PDI-857-2	≤2.0 & > 0[1] in. wc		.41	.41	.41	.41	.41	.41
4.1.3.4[2]	North corridor supply filter plenum (HVP-809) ΔP	[1]PDI-856-1	≤2.0 & > 0[1] in. wc		.05	.05	.05	.05	.05	.05
		PDI-856-2	≤2.0 & > 0[1] in. wc		.60	.60	.60	.60	.60	.60
[1]NA	**Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C**		**0 lb/ft² combustibles in designated exclusion area (within 15 feet of fans)**		SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 201		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less		SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 204		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less		SAT	SAT	SAT	SAT	SAT	SAT

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 5 of 5)

			Date:		1-1-19	1-2-19	1-3-19	1-4-19	1-5-19	1-6-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:		PT	PT	PT	~~RH~~	PT	PT
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS**						
4.3.2.2[2]	Room 206		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less		SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 207		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less		SAT	SAT	SAT	SAT	SAT	SAT
			Completion time		0815	0820	0837	1002	0748	0807
			OC Operator Review and Page Count Complete (initials)		W APD			W APD	W APD	APD

[1] Non TSR requirement

[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR's 4.1.3.4 and 4.3.2.2 apply during both Mode 1 and Mode 2.

Note: Rooms 201, 206 & 207 **must be** entered for surveillance even if they are red lit, room 204 can be viewed through the window. Notify the Operations Center of any rooms that are unable to be entered for the performance of rounds, Operations Center will make a logbook entry recording the room(s) and reason(s) for non-entry. Document in the comments section any room(s) and reason(s) they were unable to be entered for rounds.

Completed by: Paul Trujillo Date 1-6-19 Time 0807 Reviewed by: _____ Date: 1/7/19 Time: 0740

On-duty Supervisor

Comments: _____

FOR INFORMATION ONLY

ATTACHMENT C: Non-PF-4 Daily Surveillance Rounds [UET]

(Page 1 of 1)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

M&TE Calibrated Data						
Record September through April only	PF-10 Thermometer File No.:	039746	PF-10 Thermistor File No.:	103765	V-701 Thermistor File No.:	103761
	Calibration Expiration Date:	6-15-19	Calibration Expiration Date:	7/23/19	Calibration Expiration Date:	7/23/19
	PF-11 Thermometer File No.:	039745	PF-11 Thermistor File No.:	105353	V-704 Thermistor File No.:	040375
	Calibration Expiration Date:	6-15-19	Calibration Expiration Date:	8/7/19	Calibration Expiration Date:	8/7/19

PF-10 & PF-11 Pump house Room Temperature and V-701 & V-704 Fire Water Storage Tank Temperature									
Daily (September through April only)		Date:		1/1/19	1/2/19	1/3/19	1/4/19	1/5/19	1/6/19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:		[illegible]	AAS	AAS	[illegible]	[illegible]	[illegible]
SR	**Description**	**Acceptance Criteria**							
NA	ENSURE *M&TE Calibration Data* above is recorded and calibration dates have not elapsed.	Calibration dates have not elapsed.	SAT /UNSAT	(SAT) /UNSAT	(SAT) /UNSAT	(SAT) /UNSAT	(SAT) /UNSAT	(SAT) /UNSAT	(SAT) /UNSAT
4.3.1.1[1]	RECORD fire water storage tank V-701 temperature	≥ 42.1 F		50.7	50.1	49.9	50.8	51.9	53.2
4.3.1.1[1]	RECORD fire water storage tank V-704 temperature	≥ 42.1 F		53.0	51.9	51.6	52.6	53.8	54.3
4.3.1.3[1]	RECORD PF-10 room temperature	≥ 50.1 F		58.5	60.1	59.3	61.7	63.0	63.7
4.3.1.3[1]	RECORD PF-11 room temperature	≥ 50.1 F		71.4	70.4	68.7	71.4	72.2	73.3
		Completion Time:		0900	1025	0827	0905	0840	0830
OC Operator Review and Page Count Complete (initials)				[illegible] AAS	[illegible]	[illegible]	[illegible] AAS	[illegible] AAS	[illegible] AAS

[1] Temperatures should be recorded using Reference Thermometer FLUKE Model 1524 connected to Thermistor Probe Fluke Model 5610-9 (or approved engineered equivalent).

Completed by: [illegible] Date 1/6/19 Time 0830

Reviewed by: [illegible] Date: 1/7/19 Time: 0743
On-duty Supervisor

Comments:

FOR INFORMATION ONLY

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 1 of 3)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

Note Gauge readings should be taken on rack #4 in the OC. whenever possible. Document if alternate PDIs are used.		**Date:**	1/7/19		1/8/19		1/9/19		1/10/19		1/11/19		1/12/19		1/13/19	
		Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
		Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
		Initials:									BC					
SRs	**Description**	**Gauge Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**													
4.1.1.1 4.1.2.1[2]	**200 area glovebox exhaust header ΔP**	PDI-814-1 or PDI-814-2 ≤-1.0 in. wc[1]	-2.00	-2.00	-1.99	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.01	-2.01	-2.00
	100 area glovebox exhaust header ΔP	PDI-820-1 or PDI-820-2 ≤-1.0 in. wc[1]	-1.99	-1.94	-1.99	-1.94	-1.94	-1.94	-1.94	-1.95	-1.94	-1.94	-1.99	-1.95	-1.99	-1.94
	300 area glovebox exhaust header ΔP	PDI-870-1 or PDI-870-2 ≤-1.0 in. wc[1]	-2.00	-2.01	-2.01	-2.00	-1.99	-1.99	-1.99	-2.00	-1.99	-2.00	-2.00	-1.99	-2.00	-2.00
	400 area glovebox exhaust header ΔP	PDI-864-1 or PDI-864-2 ≤-1.0 in. wc[1]	-2.02	-2.03	-2.03	-2.03	-2.03	-2.02	-2.03	-2.02	-2.02	-2.03	-2.02	-2.03	-2.02	-2.03
4.1.1.2 4.1.1.5 4.1.2.2[2]	**200 area laboratory header ΔP**	PDI-803-1 or PDI-803-2 ≤-0.05 in. wc[1]	-.18	-0.18	-.19	-0.18	-.18	-.19	-.19	-.19	-.18	-0.18	-.18	-0.19	-.18	-0.18
	100 area laboratory header ΔP	PDI-802-1 or PDI-802-2 ≤-0.05 in. wc[1]	-.22	-0.23	-.23	-0.22	-.22	-.24	-.20	-.23	-.23	-0.23	-.23	-0.23	-.23	-0.23
	300 area laboratory header ΔP	PDI-853-1 or PDI-853-2 ≤-0.05 in. wc[1]	-.20	-0.20	-.20	-0.20	-.20	-.21	-.21	-.20	-.20	-0.20	-.20	-0.20	-.20	-0.20
	400 area laboratory header ΔP	PDI-852-1 or PDI-852-2 ≤-0.05 in. wc[1]	-.19	-0.19	-.20	-0.19	-.19	-.20	-.20	-.19	-.19	-0.19	-.20	-0.20	-.20	-0.20
	IFIT Facility ΔP	PDI-865-4 or PDI-865-5 ≤-0.05 in. wc	-.15	-0.15	-.15	-0.15	-.15	-.15	-.15	-.15	-.15	-0.15	-.15	-0.15	-.15	-0.15
4.1.1.3 4.1.2.3[2]	**North basement ΔP**	PDI-804-1 or PDI-804-2 < 0.00 in. wc	-.09	-0.09	-.09	-0.09	-.09	-.09	-.10	-.09	-.09	-0.09	-.09	-0.09	-.09	-0.09
	South basement ΔP	PDI-854-1 or PDI-854-2 < 0.00 in. wc	-.09	-0.08	-.08	-0.08	-.08	-.08	-.10	-.09	-.08	-0.08	-.08	-0.08	-.08	-0.08
	IRT Tunnel ΔP	PDT-901 or PDI-901 < 0.00 in. wc	-.087	-0.095	-.095	-0.087	-.093	-.098	-.091	-.099	-.082	-0.095	-.097	-0.089	-.092	-0.092

FOR INFORMATION ONLY

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 2 of 3)

Note
Readings should be taken using FCS screens FMT#151,152,201LD and 202LD. Field verification and local plenum PDI's may be used if FCS is unavailable.

			Date:	1/7/19		1/8/19		1/9/19		1/10/19		01-11-19		1/12/19		1/13/19	
			Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
			Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
			Initials:	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	BC	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SRs	**Description**	**Readings**	**Acceptance Criteria**	**SURVEILLANCE RESULTS Sat / Unsat (circle one)**													
4.1.1.6	**200 area re-circulation fan/ plenum**	FR-801 Icon red and PDT-831 ΔP >.050 or FR-802 Icon red and PDT-832 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	100 area re-circulation fan/ plenum	FR-803 Icon red and PDT-833 ΔP >.050 or FR-804 Icon red and PDT-835 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	300 area re-circulation fan/ plenum	FR-805 Icon red and PDT-836 ΔP >.050 or FR-806 Icon red and PDT-837 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	400 area re-circulation fan/ plenum	FR-807 Icon red and PDT-838 ΔP >.050 or FR-808 Icon red and PDT-839 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	Vault re-circulation fan/ plenum	FR-811 Icon red and PDT-840 ΔP >.050 or FR-812 Icon red and PDT-841 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat

FOR INFORMATION ONLY

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 3 of 3)

Note
Gauge readings should be taken on rack #4 in the OC when possible, local PDI equivalents may be used if necessary. Document any alternate PDIs used.

				Date:	1/7/19		1/8/19		1/9/19		1/10/19		01-11-19		1/12/19		1/13/19	
				Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
				Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
				Initials:									BC					
SRs	**Description**	**Area**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS** Sat / Unsat (circle one)													
4.1.1.4	**Glovebox exhaust header ΔPs < laboratory ΔPs < basement ΔPs for areas 100, 200, 300 and 400**	200 Area	PDI-814-2 PDI-803-2 PDI-804-2	PDI-814-2 < PDI-803-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		100 Area	PDI-820-2 PDI-802-2 PDI-804-2	PDI-820-2 < PDI-802-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		300 Area	PDI-870-2 PDI-853-2 PDI-854-2	PDI-870-2 < PDI-853-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		400 Area	PDI-864-2 PDI-852-2 PDI-854-2	PDI-864-2 < PDI-852-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		Completion Time			0713	1924	0717	1928	0728	1930	0729	1929	0716	1919	0718	1923	0717	1910
					MJW		MJW		MJW		MJW		MJW		a			

[1] Mode 2 acceptance criteria is < 0.00 in. wc.
[2] SRs 4.1.2.x only apply during Mode 2 in accordance with LCO 3.1.2.

Completed by: _____ Date 1/13/19 Time 1910 Reviewed by: _____ Date: 1/14/2019 Time: 09:38
On-duty Supervisor

Comments: _____

FOR INFORMATION ONLY

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

SR 4.4.1.1, The OPERABILITY acceptance criterion for this surveillance is:
The FLAMMABLE GAS detector in the FSTF FLAMMABLE GAS SOURCE storage cabinet is exposed to the ambient atmosphere in the storage cabinet. The gas concentration readout directly on the detector in the storage cabinet is compared with the gas concentration readout on the system control and alarm panel. The difference between the two readings is checked to VERIFY it is in the range of (≥-0.1; ≤0.1).

		Date:	1/7/19	1/8/19	1/9/19	1/10/19	1/11/19	1/12/19	1/13/19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	MJW	MJW	MJW	MJW	MJW	DH	DH
	Description / Gauge	**Acceptance Criteria**	**SURVEILLANCE RESULTS (percentage)**						
SR 4.4.1.1	**Flammable Gas Channel Check DET-305-3 (LCD Reading)**	NA	005	005	005	005	005	005	005
	CP-305-H (LED Reading)		005	005	005	005	005	005	005
	(DET-305-3) – (CP-305H) (LCD Reading) (LED Reading)	Record Calculated Valuc	005	005	005	005	005	005	005
		≥ -0.1; ≤+0.1	Sat / Unsat	Sat / Unsat	Sat / Unsat	Sat / Unsat	Sat / Unsat	Sat / Unsat	Sat / Unsat
			005	005	005	005	005	005	005
		Completion Time:	0830 MJW	0828 MJW	0825 MJW	0830 MJW	0750 MJW	0711 DH	0725 MJW

FOR INFORMATION ONLY

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side)[UET]

(Page 2 of 4)

			Date:	1/7/19	1/8/19	1/9/19	1/10/19	1/11/19	1/12/19	1/13/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:						QH	QH
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	South basement supply filter plenum (HVP-841) ΔP	[1]PDI-894-1	≤2.0 & > 0[1] in. wc	.02	.02	.02	.02	.02	.02	.02
		PDI-894-2	≤2.0 & > 0[1] in. wc	.41	.41	.41	.41	.41	.41	.41
4.1.3.4[2]	South Corridor supply (HVP-810) ΔP	[1]PDI-895-1	≤ 2.0 & > 0[1] in. wc	.04	.04	.04	.04	.04	.04	.04
		PDI-895-2	≤2.0 & > 0[1] in. wc	.63	.63	.63	.68	.68	.68	.68
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF854) ΔP	[1]PDI-817-1	≤2.0 & > 0[1] in. wc	STBY	STBY	.28	.27	.27	.27	.27
		PDI-817-2	≤2.0 & > 0[1] in. wc	STBY	STBY	.30	.30	.30	.30	.30
		PDI-817-4	≤2.0 & > 0[1] in. wc	STBY	STBY	.31	.31	.31	.31	.31
		PDI-817-5	≤2.0 & > 0[1] in. wc	STBY	STBY	.30	.30	.30	.30	.30
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF858) ΔP	PDI-81 9-1	≤2.0 & > 0[1] in. wc	STBY	STBY	.44	.44	.44	.44	.43
		PDI-81 9-3	≤2.0 & > 0[1] in. wc	STBY	STBY	.45	.45	.45	.45	.45
		PDI-819-4	≤2.0 & > 0[1] in. wc	STBY	STBY	.39	.39	.39	.39	.39
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF855) ΔP	[1]PDI-818-1	≤2.0 & > 0[1] in. wc	.24	.24	STBY	STBY	STBY	STBY	STBY
		PDI-818-2	≤2.0 & > 0[1] in. wc	.30	.30	STBY	STBY	STBY	STBY	STBY
		PDI-818-4	≤2.0 & > 0[1] in. wc	.30	.29	STBY	STBY	STBY	STBY	STBY
		PDI-818-5	≤2.0 & > 0[1] in. wc	.30	.30	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF859) ΔP	PDI-821-1	≤2.0 & > 0[1] in. wc	.41	.42	STBY	STBY	STBY	STBY	STBY
		PDI-821-3	≤2.0 & > 0[1] in. wc	.45	.45	STBY	STBY	STBY	STBY	STBY
		PDI-821-4	≤2.0 & > 0[1] in. wc	.40	.40	STBY	STBY	STBY	STBY	STBY

FOR INFORMATION ONLY

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 3 of 4)

			Date:	1/7/19	1/8/19	1/9/19	1/10/19	1/11/19	1/12/19	1/13/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:						DH	DH
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF856) ΔP	[1]PDI-822-1	≤2.0 & > 0[1] in. wc	STBY	STBY	.12	.12	.12	.12	.12
		PDI-822-2	≤2.0 & > 0[1] in. wc	STBY	STBY	.59	.59	.59	.59	.59
		PDI-822-4	≤2.0 & > 0[1] in. wc	STBY	STBY	.43	.44	.44	.44	.44
		PDI-822-5	≤2.0 & > 0[1] in. wc	STBY	STBY	.60	.59	.59	.59	.59
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF857) ΔP	[1]PDI-823-1	≤2.0 & > 0[1] in. wc	.07	.07	STBY	STBY	STBY	STBY	STBY
		PDI-823-2	≤2.0 & > 0[1] in. wc	.58	.58	STBY	STBY	STBY	STBY	STBY
		PDI-823-4	≤2.0 & > 0[1] in. wc	.51	.51	STBY	STBY	STBY	STBY	STBY
		PDI-823—5	≤2.0 & > 0[1] in. wc	.54	.53	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	South Basement exhaust filter plenum (FF-829) ΔP	[1]PDI-830-1	≤2.0 & > 0[1] in. wc	.23	.22	.24	.21	.15	.21	.24
		PDI-830-2	≤2.0 & > 0[1] in. wc	.12	.12	.12	.12	~~.07~~ .10 4/11/19	.10	.11
		PDI-830-3	≤2.0 & > 0[1] in. wc	.10	.10	.10	.09	.08	.09	.09
4.1.1.7[2]	300 area re-circulation filter plenum (HVP-805) ΔP	[1]PDI-836-1	≤2.0 & > 0[1] in. wc	.06	.06	.06	.06	.07	.06	.06
		PDI-836-2	≤2.0 & > 0[1] in. wc	.65	.65	.65	.65	.65	.65	.65
		PDI-836-3	≤2.0 & > 0[1] in. wc	.64	.64	.64	.64	.65	.65	.65
	300 area re-circulation filter plenum (HVP-806) ΔP	[1]PDI-837-1	≤2.0 & > 0[1] in. wc	.04	.04	.04	.04	.04	.04	.04
		PDI-837-2	≤2.0 & > 0[1] in. wc	.48	.48	.48	.48	.48	.48	.48
		PDI-837-3	≤2.0 & > 0[1] in. wc	.47	.47	.47	.47	.47	.46	.46

FOR INFORMATION ONLY

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 4 of 4)

			Date:	1/7/19	1/8/19	1/9/19	1/10/19	1/11/19	1/12/19	1/13/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:						DH	DH
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.1.7[2]	**400 area re-circulation filter plenum (HVP-807) ΔP**	[1]PDI-838-1	≤2.0 & > 0[1] in. wc	.55	.55	.55	.55	.55	.55	.55
		PDI-838-2	≤2.0 & > 0[1] in. wc	.59	.59	.59	.59	.59	.59	.59
		PDI-838-3	≤2.0 & > 0[1] in. wc	.60	.59	.59	.59	.59	.59	.59
	400 area re-circulation filter plenum (HVP-808) ΔP	[1]PDI-839-1	≤2.0 & > 0[1] in. wc	.40	.39	.39	.39	.39	.40	.39
		PDI-839-2	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51	.51	.51	.51
		PDI-839-3	≤2.0 & > 0[1] in. wc	.52	.52	.52	.52	.52	.52	.52
4.1.3.4[2]	**South Bleed off filter plenum (FF-822A) ΔP**	[1]PDI-810-1	≤2.0 & > 0[1] in. wc	off	off	off	.16	.16	.16	.15
		PDI-810-2	≤2.0 & > 0[1] in. wc	off	off	off	.56	.55	.55	.55
		PDI-810-3	≤2.0 & > 0[1] in. wc	off	off	off	.51	.51	.51	.51
4.1.3.4[2]	**South Bleed off filter plenum (FF-822B) ΔP**	[1]PDI -811 - 1	≤2.0 & > 0[1] in. wc	.11	.12	.11	off	OFF	OFF	OFF
		PDI -811 -2	≤2.0 & > 0[1] in. wc	.51	.51	.51	off	OFF	OFF	OFF
		PDI -811 -3	≤2.0 & > 0[1] in. wc	.51	.51	.51	off	OFF	OFF	OFF
			Completion Time	0900	0835	0830	0900	0748	0755	0806
OC Operator Review and Page Count Complete (initials)				MSW	MSW	MSW	MSW	MSW		MSW

Non TSR requirement
SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR 4.1.3.4 apply during both Mode 1 and Mode 2 as stated in LCO 3.1.3.

Completed by: _____ Date 1/13/19 Time 0806 Reviewed by: _____ Date: 1/14/2019 Time: 0940
On-duty Supervisor

Comments 1/7/19 flammable gas out of service. Needs to be calibrated

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

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NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

			Date:	1/7/19	1/8/19	1/9/19	1/10/19	1/11/19	1/12/19	1/13/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	DM	DM
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.1.7[2]	Vault re-circulation filter plenum (HVP-811) ΔP Vault re-circulation filter plenum (HVP-812) ΔP	[1]PDI-840-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	.17	.17	.17	.17
		PDI-840-2	≤2.0 & > 0 in[1]. wc	STBY	STBY	STBY	.56	.56	.58	.58
		PDI-840-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	.51	.51	.51	.51
		[1]PDI-841-1	≤2.0 & > 0[1] in. wc	.46	.47	.47	STBY	STBY	STBY	STBY
		PDI-841-2	≤2.0 & > 0[1] in. wc	.58	.57	.57	STBY	STBY	STBY	STBY
		PDI-841-3	≤2.0 & > 0[1] in. wc	.51	.51	.51	STBY	STBY	STBY	STBY
	200 area re-circulation filter plenum (HVP-801) ΔP	[1]PDI-831-1	≤2.0 & > 0[1] in. wc	.33	.33	.33	.33	.33	.33	.33
		PDI-831-2	≤2.0 & > 0[1] in. wc	.42	.43	.43	.43	.43	.42	.42
		PDI-831-3	≤2.0 & > 0[1] in. wc	.41	.41	.40	.40	.41	.40	.40
	200 area re-circulation filter plenum (HVP-802) ΔP	[1]PDI-832-1	≤2.0 & > 0[1] in. wc	.45	.45	.46	.46	.45	.46	.45
		PDI-832-2	≤2.0 & > 0[1] in. wc	.66	.66	.67	.66	.65	.65	.65
		PDI-832-3	≤2.0 & > 0[1] in. wc	.61	.61	.61	.61	.61	.61	.61
4.1.3.4[2]	North Bleed off filter plenum (FF-820A) ΔP	[1]PDI-807-1	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	.11	.11	.11	.11
		PDI-807-2	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	.51	.51	.51	.51
		PDI-807-3	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	.49	.50	.50	.50
4.1.3.4[2]	North Bleed off filter plenum (FF-820B) ΔP	[1]PDI-809-1	≤2.0 & > 0[1] in. wc	.07	.08	.08	OFF	OFF	OFF	OFF
		PDI-809-2	≤2.0 & > 0[1] in. wc	.53	.53	.57	OFF	OFF	OFF	OFF
		PDI-809-3	≤2.0 & > 0[1] in. wc	.51	.51	.55	OFF	OFF	OFF	OFF

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 2 of 5)

			Date:	1/7/19	1/8/19	1/9/19	1/10/19	1/11/19	1/12/19	1/13/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:						DH	DH
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.3.4[2]	North Basement exhaust filter plenum (FF-828) ΔP	[1]PDI-829-1	≤2.0 & > 0[1] in. wc	.30	.30	.30	.32	.32	.34	.34
		PDI-829-2	≤2.0 & > 0[1] in. wc	.28	.48	.48	.50	.53	.51	.51
		PDI-829-3	≤2.0 & > 0[1] in. wc	.39	.38	.38	.41	.45	.42	.41
4.1.1.7[2]	100 area re-circulation filter plenum (HVP-803) ΔP	[1]PDI-833-1	≤2.0 & > 0[1] in. wc	.07	.07	.07	.07	.07	.07	.07
		PDI-833-2	≤2.0 & > 0[1] in. wc	.55	.55	.55	.55	.55	.55	.55
		PDI-833-3	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51	.51	.51	.51
	100 area re-circulation filter plenum (HVP-804) ΔP	[1]PDI-835-1	≤2.0 & > 0[1] in. wc	.05	.05	.05	.05	.05	.05	.05
		PDI-835-2	≤2.0 & > 0[1] in. wc	.49	.49	.49	.49	.49	.49	.49
		PDI-835-3	≤2.0 & > 0[1] in. wc	.50	.50	.50	.50	.50	.50	.50
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF852) ΔP	[1]PDI-815-1	≤2.0 & > 0[1] in. wc	.22	.22	.22	.22	.22	.22	.22
		PDI-815-2	≤2.0 & > 0[1] in. wc	.56	.55	.55	.55	.55	.55	.55
		PDI-815-4	≤2.0 & > 0[1] in. wc	.48	.48	.48	.48	.48	.48	.48
		PDI-815-5	≤2.0 & > 0[1] in. wc	.49	.49	.49	.49	.49	.49	.49
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF853) ΔP	[1]PDI-816-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-816-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-816-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-816-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 3 of 5)

			Date:	1/7/19	1/8/19	1/9/19	1/10/19	1/11/19	1/12/19	1/13/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:						DH	DH
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF850) ΔP	[1]PDI-812-1	≤2.0 & > 0[1] in. wc	.14	.14	.14	.14	.14	.14	.14
		PDI-812-2	≤2.0 & > 0[1] in. wc	.32	.32	.32	.32	.32	.31	.31
		PDI-812-3	≤2.0 & > 0[1] in. wc	.32	.32	.32	.32	.32	.30	.30
		PDI-812-4	≤2.0 & > 0[1] in. wc	.31	.31	.31	.31	.31	.30	.30
		PDI-812-5	≤2.0 & > 0[1] in. wc	.38	.38	.36	.36	.36	.38	.38
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF851) ΔP	[1]PDI-813-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-813-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-813-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-813-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-813-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	IFIT exhaust filter plenum (FF-865) ΔP	[1]PDI-865-1	≤2.0 & > 0[1] in. wc	.02	.02	.02	.02	.02	.02	.02
		PDI-865-2	≤2.0 & > 0[1] in. wc	.38	.38	.38	.38	.38	.38	.38
		PDI-865-3	≤2.0 & > 0[1] in. wc	.31	.31	.31	.31	.31	.31	.31
4.1.3.4[2]	IFIT supply filter plenum (HVP-863) ΔP	[1]PDI-863-1	≤2.0 & > 0[1] in. wc	.04	.04	.04	.04	.04	.04	.04
		PDI-863-2	≤2.0 & >0[1] in. wc	.29	.29	.29	.29	.29	.29	.29

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 4 of 5)

			Date:	1/7/19	1/8/19	1/9/19	1/10/19	1/11/19	1/12/19	1/13/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:						DH	DH
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS**						
4.1.3.4[2]	North Basement supply filter plenum (HVP-840) ΔP	[1]PDI-857-1	≤ 2.0 & > 0[1] in. wc	.10	.10	.10	.10	.10	.10	.10
		PDI-857-2	≤2.0 & > 0[1] in. wc	.41	.41	.41	.42	.42	.42	.42
4.1.3.4[2]	North corridor supply filter plenum (HVP-809) ΔP	[1]PDI-856-1	≤2.0 & > 0[1] in. wc	.04	.04	.04	.04	.04	.04	.04
		PDI-856-2	≤2.0 & > 0[1] in. wc	.60	.60	.60	.54	.54	.54	.54
[1]NA	**Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C**		**0 lb/ft² combustibles in designated exclusion area (within 15 feet of fans)**	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 201		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 204		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 5 of 5)

			Date:	1/7/19	1/8/19	1/9/19	1/10/19	1/11/19	1/12/19	1/13/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:						OH	OH
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS**						
4.3.2.2[2]	Room 206		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 207		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
			Completion time	0840	0910	0850	0850	0730	0812	0755
			OC Operator Review and Page Count Complete (initials)	MJW	MJW	MJW	MJW	MJW		MJW

[1] Non TSR requirement

[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR's 4.1.3.4 and 4.3.2.2 apply during both Mode 1 and Mode 2.

Note: Rooms 201, 206 & 207 **must be** entered for surveillance even if they are red lit, room 204 can be viewed through the window. Notify the Operations Center of any rooms that are unable to be entered for the performance of rounds, Operations Center will make a logbook entry recording the room(s) and reason(s) for non-entry. Document in the comments section any room(s) and reason(s) they were unable to be entered for rounds.

Completed by: _____ Date 1/13/19 Time 0755 Reviewed by: _____ Date: 1/14/2019 Time: 0942

On-duty Supervisor

Comments: _____

FOR INFORMATION ONLY

ATTACHMENT C: Non-PF-4 Daily Surveillance Rounds [UET]

(Page 1 of 1)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

M&TE Calibrated Data						
Record September through April only	PF-10 Thermometer File No.:	039746	PF-10 Thermistor File No.:	103765	V-701 Thermistor File No.:	103761
	Calibration Expiration Date:	6/15/19	Calibration Expiration Date:	7/23/19	Calibration Expiration Date:	7/23/19
	PF-11 Thermometer File No.:	039745	PF-11 Thermistor File No.:	105353	V-704 Thermistor File No.:	040375
	Calibration Expiration Date:	6/15/19	Calibration Expiration Date:	8/7/19	Calibration Expiration Date:	8/7/19

PF-10 & PF-11 Pump house Room Temperature and V-701 & V-704 Fire Water Storage Tank Temperature									
Daily (September through April only)		Date:	1/7/19	1/8/19	1/9/19	1/10/19	1/11/19	1/12/19	01.13.19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	TL	AAS	AAS	SO	TL	C	BC
SR	**Description**	**Acceptance Criteria**							
NA	ENSURE *M&TE Calibration Data* above is recorded and calibration dates have not elapsed.	Calibration dates have not elapsed.	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT
4.3.1.1[1]	RECORD fire water storage tank V-701 temperature	≥ 42.1 F	53.6	53.7	53.8	53.9	54.1	53.9	53.7
4.3.1.1[1]	RECORD fire water storage tank V-704 temperature	≥ 42.1 F	52.5	51.2	50.3	51.9	53.0	53.7	54.1
4.3.1.3[1]	RECORD PF-10 room temperature	≥ 50.1 F	62.8	62.9	62.8	63.6	62.5	62.5	63.1
4.3.1.3[1]	RECORD PF-11 room temperature	≥ 50.1 F	72.3	68.4	58.4	59.4	58.5	63.5	66.4
		Completion Time:	0916	0920	0919	0938	0752	0911	0904
OC Operator Review and Page Count Complete (initials)			BC C MJW	BC C MJW	C AAS MJW	W AAS MJW	BC C MJW	C MJW	BC MJW

[1] Temperatures should be recorded using Reference Thermometer FLUKE Model 1524 connected to Thermistor Probe Fluke Model 5610-9 (or approved engineered equivalent).

Completed by: _____ Date 01.13.19 Time 0914

Reviewed by: _____ Date: 1/14/2019 Time: 0942
On-duty Supervisor

Comments: _____

FOR INFORMATION ONLY

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

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NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

Note
Gauge readings should be taken on rack #4 in the OC. whenever possible. Document if alternate PDIs are used.

		Date:	1/14/19		1/15/19		1/16/19		01-17-19		1/18/19		1/19/19		1/20/19	
		Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
		Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
		Initials:	[illegible]	[illegible]	APJ	JSL	[illegible]	[illegible]	BC	[illegible]	APJ	[illegible]	APJ	[illegible]	APJ	[illegible]
SRs	**Description**	**Gauge Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**													
4.1.1.1 4.1.2.1[2]	**200 area glovebox exhaust header ΔP**	PDI-814-1 or PDI-814-2 ≤-1.0 in. wc[1]	-1.99	-2.01	-2.00	-2.01	-1.99	-2.01	-2.00	-2.00	-1.99	-2.00	-2.00	-2.00	-2.01	-2.00
	100 area glovebox exhaust header ΔP	PDI-820-1 or PDI-820-2 ≤-1.0 in. wc[1]	-1.94	-1.94	-1.94	-1.94	-1.99	-1.94	-1.94	-1.95	-1.94	-1.94	-1.95	-1.94	-1.94	-1.94
	300 area glovebox exhaust header ΔP	PDI-870-1 or PDI-870-2 ≤-1.0 in. wc[1]	-2.00	-2.00	-2.00	-2.01	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-1.99
	400 area glovebox exhaust header ΔP	PDI-864-1 or PDI-864-2 ≤-1.0 in. wc[1]	-2.03	-2.03	-2.03	-2.03	-2.03	-2.03	-2.03	-2.03	-2.02	-2.04	-2.02	-2.02	-2.03	-2.03
4.1.1.2 4.1.1.5 4.1.2.2[2]	**200 area laboratory header ΔP**	PDI-803-1 or PDI-803-2 ≤-0.05 in. wc[1]	-.19	-.19	-.18	-0.19	-.18	-0.19	-.19	-0.19	-.20	-.19	-.19	-.19	-.19	-.19
	100 area laboratory header ΔP	PDI-802-1 or PDI-802-2 ≤-0.05 in. wc[1]	-.23	-.23	-.23	-0.23	-.23	-0.24	-.23	-0.24	-.26	-.24	-.24	-.23	-.23	-.24
	300 area laboratory header ΔP	PDI-853-1 or PDI-853-2 ≤-0.05 in. wc[1]	-.20	-.19	-.20	-0.20	-.19	-0.21	-.20	-0.20	-.22	-.21	-.20	-.20	-.20	-.20
	400 area laboratory header ΔP	PDI-852-1 or PDI-852-2 ≤-0.05 in. wc[1]	-.20	-.19	-.20	-0.20	-.19	-0.20	-.20	-0.19	-.21	-.21	-.20	-.19	-.20	-.20
	IFIT Facility ΔP	PDI-865-4 or PDI-865-5 ≤-0.05 in. wc	-.15	-.15	-.15	-0.15	-.15	-0.15	-.15	-0.15	-.15	-.15	-.15	-.15	-.15	-.15
4.1.1.3 4.1.2.3[2]	**North basement ΔP**	PDI-804-1 or PDI-804-2 < 0.00 in. wc	-.09	-.10	-.09	-0.09	-.09	-0.09	-.09	-0.09	-.10	-.10	-.08	-.09	-.09	-.09
	South basement ΔP	PDI-854-1 or PDI-854-2 < 0.00 in. wc	-.08	-.10	-.08	-0.08	-.08	-0.08	-.08	-0.08	-.09	-.10	-.09	-.09	-.08	-.08
	IRT Tunnel ΔP	PDT-901 or PDI-901 < 0.00 in. wc	-.094	-.086	-.089	-0.094	-.095	-0.096	-0.096	-0.097	-.082	-.097	-.095	-.087	-.084	-.084

FOR INFORMATION ONLY

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

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Note Readings should be taken using FCS screens FMT#151,152,201LD and 202LD. Field verification and local plenum PDI's may be used if FCS is unavailable.		**Date:**	1/14/19		1/15/19		1/16/19		01-17-19		~~1/18/19~~ 1/19/19		1/19/19		1/20/19	
		Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
		Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
		Initials:	MM	u	ARJ	JSC	u		BC		ARJ	u	ARJ	u	ARJ	u
SRs	**Description**	**Readings**	**Acceptance Criteria**	**SURVEILLANCE RESULTS Sat / Unsat (circle one)**												
4.1.1.6	**200 area re-circulation fan/ plenum**	FR-801 Icon red and PDT-831 ΔP >.050 or FR-802 Icon red and PDT-832 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	100 area re-circulation fan/ plenum	FR-803 Icon red and PDT-833 ΔP >.050 or FR-804 Icon red and PDT-835 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	300 area re-circulation fan/ plenum	FR-805 Icon red and PDT-836 ΔP >.050 or FR-806 Icon red and PDT-837 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	400 area re-circulation fan/ plenum	FR-807 Icon red and PDT-838 ΔP >.050 or FR-808 Icon red and PDT-839 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	Vault re-circulation fan/ plenum	FR-811 Icon red and PDT-840 ΔP >.050 or FR-812 Icon red and PDT-841 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat

FOR INFORMATION ONLY

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

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Note
Gauge readings should be taken on rack #4 in the OC when possible, local PDI equivalents may be used if necessary. Document any alternate PDIs used.

				Date:	1/14/19		1/15/19		1/16/19		01·17·19		1/18/19		1/19/19		1/20/19	
				Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
				Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
				Initials:														
SRs	**Description**	**Area**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS** Sat / Unsat (circle one)													
4.1.1.4	**Glovebox exhaust header ΔPs < laboratory ΔPs < basement ΔPs for areas 100, 200, 300 and 400**	200 Area	PDI-814-2 PDI-803-2 PDI-804-2	PDI-814-2 < PDI-803-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		100 Area	PDI-820-2 PDI-802-2 PDI-804-2	PDI-820-2 < PDI-802-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		300 Area	PDI-870-2 PDI-853-2 PDI-854-2	PDI-870-2 < PDI-853-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		400 Area	PDI-864-2 PDI-852-2 PDI-854-2	PDI-864-2 < PDI-852-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		Completion Time			0744	1930	0733	1918	0721	1924	0721	1919	0736	1926	0730	1938	0735	1930
					QAO		MJW		MJW		MJW		a		a			

[1] Mode 2 acceptance criteria is < 0.00 in. wc.

[2] SRs 4.1.2.x only apply during Mode 2 in accordance with LCO 3.1.2.

Completed by: _____ Date 1/20/19 Time 1930 Reviewed by: _____ Date: 1/22/2019 Time: 0650
On-duty Supervisor

Comments: _____

FOR INFORMATION ONLY

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

SR 4.4.1.1, The OPERABILITY acceptance criterion for this surveillance is:
The FLAMMABLE GAS detector in the FSTF FLAMMABLE GAS SOURCE storage cabinet is exposed to the ambient atmosphere in the storage cabinet. The gas concentration readout directly on the detector in the storage cabinet is compared with the gas concentration readout on the system control and alarm panel. The difference between the two readings is checked to VERIFY it is in the range of (≥-0.1; ≤0.1).

		Date:	1/14/19	1/15/19	1-16-19	1/17/19	1/18/19	1/19/19	1/20/19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	[illegible]	[illegible]	PT	[illegible]	[illegible]	[illegible]	[illegible]
	Description / Gauge	**Acceptance Criteria**	**SURVEILLANCE RESULTS (percentage)**						
SR 4.4.1.1	**Flammable Gas Channel Check DET-305-3 (LCD Reading)**	NA	005	005	005	005	005	005	005
	CP-305-H (LED Reading)		005	005	005	005	005	005	005
	(DET-305-3) – (CP-305H) (LCD Reading) (LED Reading)	Record Calculated Value	005	005	005	005	005	005	005
		≥ -0.1; ≤+0.1	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005
		Completion Time:	0850	0930	0830	0840	0701	0705	0706

FOR INFORMATION ONLY

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side)[UET]

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			Date:	1/14/19	1/15/19	1-16-19	1/17/19	1/18/19	1/19/19	1/20/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:			PT				
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	South basement supply filter plenum (HVP-841) ΔP	[1]PDI-894-1	≤2.0 & > 0[1] in. wc	.02	.02	.02	.02	.02	.02	.02
		PDI-894-2	≤2.0 & > 0[1] in. wc	.41	.41	PT 1-16-19 .41	.41	.41	.41	.41
4.1.3.4[2]	South Corridor supply (HVP-810) ΔP	[1]PDI-895-1	≤ 2.0 & > 0[1] in. wc	.05	.05	.05	.05	.05	.05	.05
		PDI-895-2	≤2.0 & > 0[1] in. wc	.68	.68	.68	.68	.68	.70	.70
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF854) ΔP	[1]PDI-817-1	≤2.0 & > 0[1] in. wc	.27	.27	.27	.27	.27	.27	.27
		PDI-817-2	≤2.0 & > 0[1] in. wc	.30	.30	.30	.30	.30	.30	.30
		PDI-817-4	≤2.0 & > 0[1] in. wc	.31	.31	.31	.31	.31	.31	.31
		PDI-817-5	≤2.0 & > 0[1] in. wc	.30	.30	.30	.30	.30	.30	.30
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF858) ΔP	PDI-81 9-1	≤2.0 & > 0[1] in. wc	.43	.42	.42	.42	.42	.42	.42
		PDI-81 9-3	≤2.0 & > 0[1] in. wc	.45	.45	.45	.45	.45	.45	.45
		PDI-819-4	≤2.0 & > 0[1] in. wc	.39	.39	.39	.39	.39	.39	.39
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF855) ΔP	[1]PDI-818-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-818-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-818-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-818-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF859) ΔP	PDI-821-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-821-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-821-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY

FOR INFORMATION ONLY

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 3 of 4)

			Date:	1/14/19	1/15/19	1-16-19	1/17/19	1/18/19	1/19/19	1/20/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:			PT				
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF856) ΔP	[1]PDI-822-1	≤2.0 & > 0[1] in. wc	.12	.12	.12	.12	.12	.12	.12
		PDI-822-2	≤2.0 & > 0[1] in. wc	.59	.59	.58	.58	.59	.59	.58
		PDI-822-4	≤2.0 & > 0[1] in. wc	.44	.42	.42	.43	.43	.43	.43
		PDI-822-5	≤2.0 & > 0[1] in. wc	.59	.58	.54	.58	.59	.59	.58
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF857) ΔP	[1]PDI-823-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-823-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-823-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-823—5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	South Basement exhaust filter plenum (FF-829) ΔP	[1]PDI-830-1	≤2.0 & > 0[1] in. wc	.23	.24	.28	.19	.21	.21	.24
		PDI-830-2	≤2.0 & > 0[1] in. wc	.11	.11	.11	.11	.12	.12	.12
		PDI-830-3	≤2.0 & > 0[1] in. wc	.09	.09	.10	.09	.10	.09	.10
4.1.1.7[2]	300 area re-circulation filter plenum (HVP-805) ΔP	[1]PDI-836-1	≤2.0 & > 0[1] in. wc	.06	.06	.06	.06	.06	.06	.06
		PDI-836-2	≤2.0 & > 0[1] in. wc	.65	.65	.65	.65	.65	.65	.65
		PDI-836-3	≤2.0 & > 0[1] in. wc	.65	.65	.65	.65	.65	.65	.65
	300 area re-circulation filter plenum (HVP-806) ΔP	[1]PDI-837-1	≤2.0 & > 0[1] in. wc	.04	.04	.04	.04	.04	.04	.04
		PDI-837-2	≤2.0 & > 0[1] in. wc	.49	.49	.49	.49	.49	.48	.48
		PDI-837-3	≤2.0 & > 0[1] in. wc	.47	.46	.46	.46	.46	.47	.47

FOR INFORMATION ONLY

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 4 of 4)

			Date:	1/14/19	1/15/19	1-16-19	1/17/19	1/18/19	1/19/19	1/20/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:							
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.1.7[2]	400 area re-circulation filter plenum (HVP-807) ΔP	[1]PDI-838-1	≤2.0 & > 0[1] in. wc	.55	.55	.55	.55	.55	.55	.55
		PDI-838-2	≤2.0 & > 0[1] in. wc	.59	.59	.59	.59	.59	.59	.59
		PDI-838-3	≤2.0 & > 0[1] in. wc	.59	.59	.59	.59	.59	.59	.59
	400 area re-circulation filter plenum (HVP-808) ΔP	[1]PDI-839-1	≤2.0 & > 0[1] in. wc	.40	.39	.39	.39	.39	.39	.39
		PDI-839-2	≤2.0 & > 0[1] in. wc	.52	.52	.53	.51	.51	.51	.51
		PDI-839-3	≤2.0 & > 0[1] in. wc	.52	.52	.52	.52	.52	.52	.52
4.1.3.4[2]	South Bleed off filter plenum (FF-822A) ΔP	[1]PDI-810-1	≤2.0 & > 0[1] in. wc	.16	.17	.17	.17	.15	.16	.16
		PDI-810-2	≤2.0 & > 0[1] in. wc	.55	.57	.57	.52	.51	.54	.54
		PDI-810-3	≤2.0 & > 0[1] in. wc	.51	.53	.51	.51	.51	.51	.51
4.1.3.4[2]	South Bleed off filter plenum (FF-822B) ΔP	[1]PDI -811 - 1	≤2.0 & > 0[1] in. wc	off	off	OFF	off	off	off	off
		PDI -811 -2	≤2.0 & > 0[1] in. wc	off	off	OFF	off	off	off	off
		PDI -811 -3	≤2.0 & > 0[1] in. wc	off	off	OFF	off	off	off	off
			Completion Time	1130	0930	1120	0930	0737	0730	0735
OC Operator Review and Page Count Complete (initials)				MJW	MJW	MJW	MJW	a	a	MJW

Non TSR requirement

SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR 4.1.3.4 apply during both Mode 1 and Mode 2 as stated in LCO 3.1.3.

Completed by: [signature] Date 1/20/19 Time 0735 Reviewed by: _____ Date: 1/22/2019 Time: 0647

On-duty Supervisor

Comments 1/14/19 44.1.1 out of service, waiting for calibration.

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 1 of 5)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

			Date:	1/14/19	1/15/19	1-16-19 1-16-19	1/17/19	1/18/19	1/19/19	1/20/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:							
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.1.7[2]	Vault re-circulation filter plenum (HVP-811) ΔP Vault re-circulation filter plenum (HVP-812) ΔP	[1]PDI-840-1	≤2.0 & > 0[1] in. wc	.17	.17	.17	.17	.17	.17	.17
		PDI-840-2	≤2.0 & > 0 in[1]. wc	.57	.57	.57	.57	.57	.57	.57
		PDI-840-3	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51	.51	.51	.51
		[1]PDI-841-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-841-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-841-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
	200 area re-circulation filter plenum (HVP-801) ΔP	[1]PDI-831-1	≤2.0 & > 0[1] in. wc	.33	.33	.33	.33	.33	.33	.33
		PDI-831-2	≤2.0 & > 0[1] in. wc	.42	.42	.42	.42	.42	.42	.42
		PDI-831-3	≤2.0 & > 0[1] in. wc	.41	.40	.40	.40	.41	.40	.41
	200 area re-circulation filter plenum (HVP-802) ΔP	[1]PDI-832-1	≤2.0 & > 0[1] in. wc	.45	.45	.46	.45	.45	.46	.46
		PDI-832-2	≤2.0 & > 0[1] in. wc	.66	.66	.67	.66	.65	.65	.65
		PDI-832-3	≤2.0 & > 0[1] in. wc	.61	.61	.61	.61	.61	.61	.61
4.1.3.4[2]	North Bleed off filter plenum (FF-820A) ΔP	[1]PDI-807-1	≤2.0 & > 0[1] in. wc	.11	.11	.11	.11	.11	.11	.11
		PDI-807-2	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51	.51	.51	.52
		PDI-807-3	≤2.0 & > 0[1] in. wc	.50	.50	.50	.50	.50	.50	.50
4.1.3.4[2]	North Bleed off filter plenum (FF-820B) ΔP	[1]PDI-809-1	≤2.0 & > 0[1] in. wc	off	off	OFF	off	off	off	off
		PDI-809-2	≤2.0 & > 0[1] in. wc	off	off	OFF	off	off	off	off
		PDI-809-3	≤2.0 & > 0[1] in. wc	off	off	OFF	off	off	off	off

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 2 of 5)

			Date:	1/14/19	1/15/19	1-16-19	1/17/19	1/18/19	1/19/19	1/20/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:			PT				
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.3.4[2]	North Basement exhaust filter plenum (FF-828) ΔP	[1]PDI-829-1	≤2.0 & > 0[1] in. wc	.32	.34	.40	.40	.33	.33	.30
		PDI-829-2	≤2.0 & > 0[1] in. wc	.50	.51	.59	.59	.51	.54	.52
		PDI-829-3	≤2.0 & > 0[1] in. wc	.41	.42	.49	.49	.42	.45	.42
4.1.1.7[2]	100 area re-circulation filter plenum (HVP-803) ΔP	[1]PDI-833-1	≤2.0 & > 0[1] in. wc	.07	.07	.07	.07	.07	.07	.07
		PDI-833-2	≤2.0 & > 0[1] in. wc	.55	.54	.55	.54	.55	.55	.55
		PDI-833-3	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51	.51	.51	.51
	100 area re-circulation filter plenum (HVP-804) ΔP	[1]PDI-835-1	≤2.0 & > 0[1] in. wc	.05	.05	.05	.05	.05	.05	.05
		PDI-835-2	≤2.0 & > 0[1] in. wc	.49	.49	.50	.50	.49	.49	.49
		PDI-835-3	≤2.0 & > 0[1] in. wc	.50	.50	.50	.50	.50	.50	.50
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF852) ΔP	[1]PDI-815-1	≤2.0 & > 0[1] in. wc	.23	.23	.28	.24	.24	.24	.24
		PDI-815-2	≤2.0 & > 0[1] in. wc	.58	.58	.58	.58	.58	.58	.58
		PDI-815-4	≤2.0 & > 0[1] in. wc	.49	.49	.49	.49	.48	.48	.48
		PDI-815-5	≤2.0 & > 0[1] in. wc	.50	.50	.50	.50	.50	.50	.50
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF853) ΔP	[1]PDI-816-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-816-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-816-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-816-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 3 of 5)

			Date:	1/14/19	1/15/19	1-16-19	1/17/19	1/18/19	1/19/19	1/20/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:			PT				
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF850) ΔP	[1]PDI-812-1	≤2.0 & > 0[1] in. wc	.14	.14	.14	.14	.12	.12	.12
		PDI-812-2	≤2.0 & > 0[1] in. wc	.32	.32	.22	1/17/19 .22	.30	.30	.30
		PDI-812-3	≤2.0 & > 0[1] in. wc	.32	.32	.23	.22	.30	.30	.30
		PDI-812-4	≤2.0 & > 0[1] in. wc	.31	.30	.22	.21	.29	.29	.29
		PDI-812-5	≤2.0 & > 0[1] in. wc	.36	.35	.25	.28	.34	.32	.32
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF851) ΔP	[1]PDI-813-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-813-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-813-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-813-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-813-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	IFIT exhaust filter plenum (FF-865) ΔP	[1]PDI-865-1	≤2.0 & > 0[1] in. wc	.02	.02	.02	.02	.02	.02	.02
		PDI-865-2	≤2.0 & > 0[1] in. wc	.38	.38	.38	.38	.38	.38	.38
		PDI-865-3	≤2.0 & > 0[1] in. wc	.31	.31	.31	.31	.31	.31	.31
4.1.3.4[2]	IFIT supply filter plenum (HVP-863) ΔP	[1]PDI-863-1	≤2.0 & > 0[1] in. wc	.05	.05	.05	.05	.05	.05	.05
		PDI-863-2	≤2.0 & >0[1] in. wc	.30	.30	.30	.30	.30	.30	.30

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 4 of 5)

			Date:	1/14/19	1/15/19	1-16-19	1/17/19	1/18/19	1/19/19	1/20/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:			PT				
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS**						
4.1.3.4[2]	North Basement supply filter plenum (HVP-840) ΔP	[1]PDI-857-1	≤ 2.0 & > 0[1] in. wc	.10	.10	.10	.10	.10	.10	.10
		PDI-857-2	≤2.0 & > 0[1] in. wc	.42	.42	.42	.42	.42	.42	.42
4.1.3.4[2]	North corridor supply filter plenum (HVP-809) ΔP	[1]PDI-856-1	≤2.0 & > 0[1] in. wc	.04	.04	.04	.04	.04	.04	.04
		PDI-856-2	≤2.0 & > 0[1] in. wc	.53	.52	.54	.53	.54	.54	.54
[1]NA	**Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C**		**0 lb/ft² combustibles in designated exclusion area (within 15 feet of fans)**	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 201		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 204		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 5 of 5)

			Date:	1/14/19	1/15/19	1-16-19	1/17/19	1/18/19	1/19/19	1/20/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:			PT				
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS**						
4.3.2.2[2]	Room 206		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 207		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
			Completion time	1759	0910	1145	1050	0855	0840	0729
			OC Operator Review and Page Count Complete (initials)	ARS MJW	ARS MJW	MJW	MJW	ARS	ARS	ARS MJW

[1] Non TSR requirement

[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR's 4.1.3.4 and 4.3.2.2 apply during both Mode 1 and Mode 2.

Note: Rooms 201, 206 & 207 **must be** entered for surveillance even if they are red lit, room 204 can be viewed through the window. Notify the Operations Center of any rooms that are unable to be entered for the performance of rounds, Operations Center will make a logbook entry recording the room(s) and reason(s) for non-entry. Document in the comments section any room(s) and reason(s) they were unable to be entered for rounds.

Completed by: Jeanne M. Date 1/20/19 Time 0720 Reviewed by: _____ Date: 1/22/2019 Time: 0748

On-duty Supervisor

Comments: _____

FOR INFORMATION ONLY

ATTACHMENT C: Non-PF-4 Daily Surveillance Rounds [UET]

(Page 1 of 1)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

M&TE Calibrated Data						
Record September through April only	PF-10 Thermometer File No.:	039746	PF-10 Thermistor File No.:	103765	V-701 Thermistor File No.:	103761
	Calibration Expiration Date:	6/15/19	Calibration Expiration Date:	7/23/19	Calibration Expiration Date:	7/23/19
	PF-11 Thermometer File No.:	039745	PF-11 Thermistor File No.:	105353	V-704 Thermistor File No.:	040375
	Calibration Expiration Date:	6/15/19	Calibration Expiration Date:	8/7/19	Calibration Expiration Date:	8/7/19

PF-10 & PF-11 Pump house Room Temperature and V-701 & V-704 Fire Water Storage Tank Temperature									
Daily (September through April only)		Date:	1/14/19	1/15/19	1/16/19	1/17/19*	1-18-19	1/19/19	1/20/19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	[illegible]	[illegible]	SD	DAD	PT	[illegible]	[illegible]
SR	**Description**	**Acceptance Criteria**							
NA	ENSURE *M&TE Calibration Data* above is recorded and calibration dates have not elapsed.	Calibration dates have not elapsed.	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT
4.3.1.1[1]	RECORD fire water storage tank V-701 temperature	≥ 42.1 F	53.7	53.7	53.8	53.8	53.8	53.6	53.7
4.3.1.1[1]	RECORD fire water storage tank V-704 temperature	≥ 42.1 F	59.9	53.7	52.8	51.6	50.4	50.9	51.6
4.3.1.3[1]	RECORD PF-10 room temperature	≥ 50.1 F	63.5	62.4	63.0	63.5	63.8	62.0	61.5
4.3.1.3[1]	RECORD PF-11 room temperature	≥ 50.1 F	63.7	65.0	65.2	65.5	64.4	64.7	60.2
		Completion Time:	0803	0902	0859	0845	0827	0930	0820
OC Operator Review and Page Count Complete (initials)			[illegible] APO DAD	APO [illegible] MJW	BC < MJW	BC < MJW	[illegible] GPM a	[illegible] AFM a	APO [illegible] MJW

[1] Temperatures should be recorded using Reference Thermometer FLUKE Model 1524 connected to Thermistor Probe Fluke Model 5610-9 (or approved engineered equivalent).

Completed by: [signature] 298308 Date 1/20/19 Time 0820

Reviewed by: [signature] Date: 1/23/2019 Time: 0649

On-duty Supervisor

Comments: *Fluke in PF-10 requires battery replacement

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Attachment A, Surveillance Due Date Change Request

(Page 1 of 1)

SI/STP/ISI #	Scheduled Due Date	Proposed Due Date	Maximum Allowable Extension of Due Date
STP-004 AD	1/14/2019	1/14/2019	1/14/2019

Justification:

Need to extend time past 1100 due to lab late opening and no RCT present to allow entry into the south basement and Room 206

Prepared by: Michael Washburn 1/14/2019
Preparer/System Engineer Date

Reviewed by: [signature] 1/14/2019
Operations Center On-Duty Supervisor Date

Approved by: [signature] 1/14/19
Operations Manager Date

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Attachment A, Surveillance Due Date Change Request

(Page 1 of 1)

SI/STP/ISI #	Scheduled Due Date	Proposed Due Date	Maximum Allowable Extension of Due Date
STP-004	1/16/2019	1/16/2019	1/16/2019

Justification:

RCT not available until after required completion time

Prepared by: Michael Washburn 1/16/19
Preparer/System Engineer Date

Reviewed by: [signature] 1/16/19
Operations Center On-Duty Supervisor Date

Approved by: [signature] 1/16/19
Operations Manager Date

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 1 of 3)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

Note: Gauge readings should be taken on rack #4 in the OC. whenever possible. Document if alternate PDIs are used.		Date:	01.21.19		01.22.19		1/23/19		1/24/19		1/25/19		01-26-19		01.27.19	
		Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
		Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
		Initials:	BC	[illegible]	BC	[illegible]	ATD	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	BC	[illegible]	BC	[illegible]
SRs	**Description**	**Gauge Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**													
4.1.1.1 4.1.2.1[2]	200 area glovebox exhaust header ΔP	PDI-814-1 or PDI-814-2 ≤-1.0 in. wc[1]	-2.01	-2.00	-2.01	-2.01	-1.99	-1.99	-1.99	-1.99	-2.00	-1.99	-2.01	-2.01	-1.99	-2.00
	100 area glovebox exhaust header ΔP	PDI-820-1 or PDI-820-2 ≤-1.0 in. wc[1]	-1.94	-1.94	-1.94	-1.95	-1.93	-1.93	-1.94	-1.95	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94
	300 area glovebox exhaust header ΔP	PDI-870-1 or PDI-870-2 ≤-1.0 in. wc[1]	-2.00	-1.97	-2.00	-2.00	-2.00	-2.01	-1.99	-2.01	-2.00	-2.00	-2.01	-2.00	-2.01	-2.01
	400 area glovebox exhaust header ΔP	PDI-864-1 or PDI-864-2 ≤-1.0 in. wc[1]	-2.03	-2.01	-2.03	-2.03	-2.04	-2.01	-2.01	-2.02	-2.01	-2.02	-2.03	-2.02	-2.03	-2.02
4.1.1.2 4.1.1.5 4.1.2.2[2]	200 area laboratory header ΔP	PDI-803-1 or PDI-803-2 ≤-0.05 in. wc[1]	-.19	-.16	-.18	-.18	-.20	-.19	-.19	-.18	-0.19	-.19	-.19	-.20	-.20	-.20
	100 area laboratory header ΔP	PDI-802-1 or PDI-802-2 ≤-0.05 in. wc[1]	-.24	-.21	-.24	-.23	-.23	-.23	-.24	-.22	-0.24	-.23	-.23	-.25	-.25	-.25
	300 area laboratory header ΔP	PDI-853-1 or PDI-853-2 ≤-0.05 in. wc[1]	-.20	-.18	-.20	-.20	-.23	-.20	-.22	-.20	-0.21	-.20	-.20	-.20	-.20	-.20
	400 area laboratory header ΔP	PDI-852-1 or PDI-852-2 ≤-0.05 in. wc[1]	-.20	-.19	-.20	-.19	-.22	-.20	-.18	-.20	-0.20	-.20	-.20	-.20	-.20	-.20
	IFIT Facility ΔP	PDI-865-4 or PDI-865-5 ≤-0.05 in. wc	-.15	-.14	-.15	-.15	-.16	-.16	-.15	-.15	-0.15	-.15	-.15	-.15	-.15	-.15
4.1.1.3 4.1.2.3[2]	North basement ΔP	PDI-804-1 or PDI-804-2 < 0.00 in. wc	-.09	-.08	-.09	-.09	-.10	-.10	-.09	-.10	-0.09	-.09	-.09	-.09	-.09	-.09
	South basement ΔP	PDI-854-1 or PDI-854-2 < 0.00 in. wc	-.08	-.11	-.08	-.08	-.08	-.10	-.08	-.10	-0.08	-.08	-.08	-.08	-.08	-.08
	IRT Tunnel ΔP	PDT-901 or PDI-901 < 0.00 in. wc	-.096	-.134	-.101	-.087	-.097	-.098	-.101	-.087	-0.099	-.091	-.098	-.089	-.099	-.097

FOR INFORMATION ONLY

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 2 of 3)

Note: Readings should be taken using FCS screens FMT#151,152,201LD and 202LD. Field verification and local plenum PDI's may be used if FCS is unavailable.				Date:	01-21-19		01-22-19		1/23/19		1/24/19		1/25/19		01-26-19		01-27-19	
				Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
				Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
				Initials:	BC	C	BC	C	AM	W	m	W		C	BC	C	BC	C
SRs	**Description**	**Readings**	**Acceptance Criteria**	**SURVEILLANCE RESULTS Sat / Unsat (circle one)**														
4.1.1.6	**200 area re-circulation fan/ plenum**	FR-801 Icon red and PDT-831 ΔP >.050 or FR-802 Icon red and PDT-832 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	100 area re-circulation fan/ plenum	FR-803 Icon red and PDT-833 ΔP >.050 or FR-804 Icon red and PDT-835 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	300 area re-circulation fan/ plenum	FR-805 Icon red and PDT-836 ΔP >.050 or FR-806 Icon red and PDT-837 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	400 area re-circulation fan/ plenum	FR-807 Icon red and PDT-838 ΔP >.050 or FR-808 Icon red and PDT-839 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	Vault re-circulation fan/ plenum	FR-811 Icon red and PDT-840 ΔP >.050 or FR-812 Icon red and PDT-841 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat

FOR INFORMATION ONLY

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 3 of 3)

Note
Gauge readings should be taken on rack #4 in the OC when possible, local PDI equivalents may be used if necessary. Document any alternate PDIs used.

				Date:	01-21-19		01-22-19		1/23/19		1/24/19		1/25/19		01-26-19		01-27-19	
				Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
				Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
				Initials:	BC	✓	BC	✓	ARJ	✓	✓	✓	✓	✓	BC	✓	BC	✓
SRs	**Description**	**Area**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS Sat / Unsat (circle one)**													
4.1.1.4	**Glovebox exhaust header ΔPs < laboratory ΔPs < basement ΔPs for areas 100, 200, 300 and 400**	200 Area	PDI-814-2 PDI-803-2 PDI-804-2	PDI-814-2 < PDI-803-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		100 Area	PDI-820-2 PDI-802-2 PDI-804-2	PDI-820-2 < PDI-802-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		300 Area	PDI-870-2 PDI-853-2 PDI-854-2	PDI-870-2 < PDI-853-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		400 Area	PDI-864-2 PDI-852-2 PDI-854-2	PDI-864-2 < PDI-852-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		Completion Time			0718	1921	0714	1918	0735	1935	0730	1924	0730	1917	0716	1912	0721	1925
							MJW		MJW		MJW		MJW					

[1] Mode 2 acceptance criteria is < 0.00 in. wc.

[2] SRs 4.1.2.x only apply during Mode 2 in accordance with LCO 3.1.2.

Completed by: ✓ Date 1/27/19 Time 1921 Reviewed by: _____ Date: 2/1/2019 Time: 0637
On-duty Supervisor

Comments: _____

FOR INFORMATION ONLY

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

SR 4.4.1.1, The OPERABILITY acceptance criterion for this surveillance is:
The FLAMMABLE GAS detector in the FSTF FLAMMABLE GAS SOURCE storage cabinet is exposed to the ambient atmosphere in the storage cabinet. The gas concentration readout directly on the detector in the storage cabinet is compared with the gas concentration readout on the system control and alarm panel. The difference between the two readings is checked to VERIFY it is in the range of (≥-0.1; ≤0.1).

		Date:	PT 1-21-19	1-22-19	1/23/19	1-24-19	1/25/19	1-26-19	1-27-19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	PT	PT	[illegible]	PT	[illegible]	PT	PT
	Description / Gauge	**Acceptance Criteria**	**SURVEILLANCE RESULTS (percentage)**						
SR 4.4.1.1	**Flammable Gas Channel Check DET-305-3 (LCD Reading)**	NA	005	005	005	005	005	005	005
	CP-305-H (LED Reading)		005	005	005	005	005	005	005
	(DET-305-3) – (CP-305H) (LCD Reading) (LED Reading)	Record Calculated Value	005	005	005	005	005	005	005
		≥ -0.1; ≤+0.1	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005
		Completion Time:	0814	0853	0830	0930	0730	0915	0745

FOR INFORMATION ONLY

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side)[UET]

(Page 2 of 4)

			Date:	1-21-19	1-22-19	1/23/19	1-24-19	1/25/19	1-26-19	1-27-19
			Weekday:	Mon.	Tue.	Wed.	Thu	Fri.	Sat.	Sun.
			Initials:	PT	PT		PT		PT	PT
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	South basement supply filter plenum (HVP-841) ΔP	[1]PDI-894-1	≤2.0 & > 0[1] in. wc	.04	.03	.02	.02	.02	.02	.02
		PDI-894-2	≤2.0 & > 0[1] in. wc	.41	.41	.41	.41	.41	.41	.41
4.1.3.4[2]	South Corridor supply (HVP-810) ΔP	[1]PDI-895-1	≤ 2.0 & > 0[1] in. wc	.05	.05	.04	.05	.05	.05	.05
		PDI-895-2	≤2.0 & > 0[1] in. wc	.70	.70	.63	.65	.69	.69	.71
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF854) ΔP	[1]PDI-817-1	≤2.0 & > 0[1] in. wc	.27	.28	STBY	STBY	.27	PT STBY 1-27-19	STBY
		PDI-817-2	≤2.0 & > 0[1] in. wc	.30	.30	STBY	STBY	.30	STBY	STBY
		PDI-817-4	≤2.0 & > 0[1] in. wc	.31	.31	STBY	STBY	.31	STBY	STBY
		PDI-817-5	≤2.0 & > 0[1] in. wc	.30	.30	STBY	STBY	.30	STBY	STBY
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF858) ΔP	PDI-81 9-1	≤2.0 & > 0[1] in. wc	.45	.45	STBY	STBY	.45	STBY	STBY
		PDI-81 9-3	≤2.0 & > 0[1] in. wc	.45	.45	STBY	STBY	.45	STBY	STBY
		PDI-819-4	≤2.0 & > 0[1] in. wc	.34	.39	STBY	STBY	.39	STBY	STBY
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF855) ΔP	[1]PDI-818-1	≤2.0 & > 0[1] in. wc	STBY	STBY	.23	.24	STBY	.24	.24
		PDI-818-2	≤2.0 & > 0[1] in. wc	STBY	STBY	.30	.30	STBY	.30	.30
		PDI-818-4	≤2.0 & > 0[1] in. wc	STBY	STBY	.29	.29	STBY	.29	.29
		PDI-818-5	≤2.0 & > 0[1] in. wc	STBY	STBY	.30	.30	STBY	.30	.30
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF859) ΔP	PDI-821-1	≤2.0 & > 0[1] in. wc	STBY	STBY	.42	.42	STBY	.49	.49
		PDI-821-3	≤2.0 & > 0[1] in. wc	STBY	STBY	.45	.48	STBY	.49	.49
		PDI-821-4	≤2.0 & > 0[1] in. wc	STBY	STBY	.40	.40	STBY	.41	.41

FOR INFORMATION ONLY

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 3 of 4)

			Date:	1-21-19	1-22-19	1/23/19	1-24-19	1/25/19	1-26-19	1-27-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	PT	[signature]	PT	[signature]	PT	PT
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF856) ΔP	[1]PDI-822-1	≤2.0 & > 0[1] in. wc	.13	.13	STBY	STBY	.12	.12	.12
		PDI-822-2	≤2.0 & > 0[1] in. wc	.59	.59	STBY	STBY	.60	.60	.60
		PDI-822-4	≤2.0 & > 0[1] in. wc	.42	.42	STBY	STBY	.44	.44	.44
		PDI-822-5	≤2.0 & > 0[1] in. wc	.59	.59	STBY	STBY	.59	.60	.60
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF857) ΔP	[1]PDI-823-1	≤2.0 & > 0[1] in. wc	STBY	STBY	.07	.07	STBY	STBY	STBY
		PDI-823-2	≤2.0 & > 0[1] in. wc	STBY	STBY	.57	.59	STBY	STBY	STBY
		PDI-823-4	≤2.0 & > 0[1] in. wc	STBY	STBY	.51	.51	STBY	STBY	STBY
		PDI-823—5	≤2.0 & > 0[1] in. wc	STBY	STBY	.52	.52	STBY	STBY	STBY
4.1.3.4[2]	South Basement exhaust filter plenum (FF-829) ΔP	[1]PDI-830-1	≤2.0 & > 0[1] in. wc	.21	.24	.23	.19	.19	.21	.24
		PDI-830-2	≤2.0 & > 0[1] in. wc	.11	.11	.11	.11	.11	.11	.11
		PDI-830-3	≤2.0 & > 0[1] in. wc	.10	.10	.09	.10	.09	.10	.11
4.1.1.7[2]	300 area re-circulation filter plenum (HVP-805) ΔP	[1]PDI-836-1	≤2.0 & > 0[1] in. wc	.06	.06	.06	.06	.06	.06	.07
		PDI-836-2	≤2.0 & > 0[1] in. wc	.65	.65	.65	.65	.65	.65	.67
		PDI-836-3	≤2.0 & > 0[1] in. wc	.63	.63	.65	.63	.63	.62	.64
	300 area re-circulation filter plenum (HVP-806) ΔP	[1]PDI-837-1	≤2.0 & > 0[1] in. wc	.04	.04	.04	.04	.04	.04	.04
		PDI-837-2	≤2.0 & > 0[1] in. wc	.49	.49	.49	.49	.49	.49	.49
		PDI-837-3	≤2.0 & > 0[1] in. wc	.46	.46	.46	.43	.44	.45	.48

FOR INFORMATION ONLY

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 4 of 4)

			Date:	1-21-19	1-22-19	1/23/19	1-24-19	1/25/19	1-26-19	1-27-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	PT	[illegible]	PT	[illegible]	PT	PT
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.1.7[2]	400 area re-circulation filter plenum (HVP-807) ΔP	[1]PDI-838-1	≤2.0 & > 0[1] in. wc	.54	.54	.55	.55	.55	.55	.55
		PDI-838-2	≤2.0 & > 0[1] in. wc	.60	.60	.60	.59	.60	.59	.59
		PDI-838-3	≤2.0 & > 0[1] in. wc	.60	.60	.59	.59	.59	.59	.59
	400 area re-circulation filter plenum (HVP-808) ΔP	[1]PDI-839-1	≤2.0 & > 0[1] in. wc	.39	.39	.39	.39	.39	.39	.39
		PDI-839-2	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51	.51	.51	.51
		PDI-839-3	≤2.0 & > 0[1] in. wc	.52	.52	.52	.52	.52	.52	.52
4.1.3.4[2]	South Bleed off filter plenum (FF-822A) ΔP	[1]PDI-810-1	≤2.0 & > 0[1] in. wc	.16	.16	off	OFF	.15	.16	.17
		PDI-810-2	≤2.0 & > 0[1] in. wc	.55	.55	off	OFF	.51	.55	.57
		PDI-810-3	≤2.0 & > 0[1] in. wc	.51	.51	off	OFF	.50	.51	.51
4.1.3.4[2]	South Bleed off filter plenum (FF-822B) ΔP	[1]PDI -811 - 1	≤2.0 & > 0[1] in. wc	OFF	OFF	.11	.12	off	OFF	OFF
		PDI -811 -2	≤2.0 & > 0[1] in. wc	OFF	OFF	.51	.52	off	OFF	OFF
		PDI -811 -3	≤2.0 & > 0[1] in. wc	OFF	OFF	.51	.51	off	OFF	OFF
			Completion Time	0813	0830	0855	0910	0810	0930	0852
OC Operator Review and Page Count Complete (initials)				[initials]	[initials] MJW	ABS MJW	ABS MJW	[initials] MJW	[initials]	[initials]

[1] Non TSR requirement

[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR 4.1.3.4 apply during both Mode 1 and Mode 2 as stated in LCO 3.1.3.

Completed by: Paul Trujillo Date 1-27-19 Time ~~0930~~ PT 0852 1-27-19 Reviewed by: _____ Date: 2-2-19 Time: 1230

On-duty Supervisor

Comments Flammable Gas channel OOS.

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 1 of 5)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

			Date:	1-21-19	1-22-19	1/23/19	1-24-19	1/25/19	1/26/19	1-27-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	PT	[illegible]	PT	[illegible]	[illegible]	PT
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.1.7[2]	**Vault re-circulation filter plenum (HVP-811) ΔP Vault re-circulation filter plenum (HVP-812) ΔP**	[1]PDI-840-1	≤2.0 & > 0[1] in. wc	.17	.16	.17	.17	.17	.17	.17
		PDI-840-2	≤2.0 & > 0 in[1]. wc	.58	.58	.58	.58	.58	.57	.58
		PDI-840-3	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51	.51	.51	.51
		[1]PDI-841-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-841-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-841-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
	200 area re-circulation filter plenum (HVP-801) ΔP	[1]PDI-831-1	≤2.0 & > 0[1] in. wc	.33	.33	.33	.33	.33	.32	.32
		PDI-831-2	≤2.0 & > 0[1] in. wc	.42	.42	.42	.42	.42	.42	.42
		PDI-831-3	≤2.0 & > 0[1] in. wc	.41	.41	.41	.41	.41	.41	.41
	200 area re-circulation filter plenum (HVP-802) ΔP	[1]PDI-832-1	≤2.0 & > 0[1] in. wc	.46	.46	.46	.46	.46	.46	.46
		PDI-832-2	≤2.0 & > 0[1] in. wc	.66	.66	.65	.67	.65	.65	.65
		PDI-832-3	≤2.0 & > 0[1] in. wc	.61	.61	.61	.61	.61	.61	.61
4.1.3.4[2]	**North Bleed off filter plenum (FF-820A) ΔP**	[1]PDI-807-1	≤2.0 & > 0[1] in. wc	.11	.11	OFF	OFF	.11	.11	.12
		PDI-807-2	≤2.0 & > 0[1] in. wc	.51	.51	OFF	OFF	.51	.51	.51
		PDI-807-3	≤2.0 & > 0[1] in. wc	.50	.50	OFF	OFF	.50	.50	.50
4.1.3.4[2]	**North Bleed off filter plenum (FF-820B) ΔP**	[1]PDI-809-1	≤2.0 & > 0[1] in. wc	OFF	OFF	.07	.08	off	off	OFF
		PDI-809-2	≤2.0 & > 0[1] in. wc	OFF	OFF	.51	.51	off	off	OFF
		PDI-809-3	≤2.0 & > 0[1] in. wc	OFF	OFF	.51	.51	off	off	OFF

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 2 of 5)

			Date:	1-21-19	1-22-19	1/23/19	1-24-19	1/25/19	1/26/19	1-27-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	PT		PT			PT
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.3.4[2]	**North Basement exhaust filter plenum (FF-828) ΔP**	[1]PDI-829-1	≤2.0 & > 0[1] in. wc	.35	.34	.34	.31	.34	.35	.35
		PDI-829-2	≤2.0 & > 0[1] in. wc	.52	.51	.51	.49	.51	.51	.51
		PDI-829-3	≤2.0 & > 0[1] in. wc	.42	.42	.42	.40	.42	.42	.42
4.1.1.7[2]	**100 area re-circulation filter plenum (HVP-803) ΔP**	[1]PDI-833-1	≤2.0 & > 0[1] in. wc	.08	.07	.07	.07	.07	.07	.07
		PDI-833-2	≤2.0 & > 0[1] in. wc	.53	.53	.53	.53	.53	.53	.53
		PDI-833-3	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51	.51	.51	.51
	100 area re-circulation filter plenum (HVP-804) ΔP	[1]PDI-835-1	≤2.0 & > 0[1] in. wc	.05	.05	.05	.05	.05	.05	.05
		PDI-835-2	≤2.0 & > 0[1] in. wc	.50	.50	.49	.49	.49	.49	.49
		PDI-835-3	≤2.0 & > 0[1] in. wc	.50	.50	.50	.50	.50	.50	.50
4.1.3.4[2]	**100 area glovebox exhaust filter plenum (FF852) ΔP**	[1]PDI-815-1	≤2.0 & > 0[1] in. wc	.28	.28	STBY	STBY	.27	.27	.28
		PDI-815-2	≤2.0 & > 0[1] in. wc	.58	.58	STBY	STBY	.59	.59	.59
		PDI-815-4	≤2.0 & > 0[1] in. wc	.50	.50	STBY	STBY	.50	.50	.50
		PDI-815-5	≤2.0 & > 0[1] in. wc	.50	.50	STBY	STBY	.51	.51	.51
4.1.3.4[2]	**100 area glovebox exhaust filter plenum (FF853) ΔP**	[1]PDI-816-1	≤2.0 & > 0[1] in. wc	STBY	STBY	.48	.48	STBY	stby	STBY
		PDI-816-2	≤2.0 & > 0[1] in. wc	STBY	STBY	.59	.59	STBY	stby	STBY
		PDI-816-4	≤2.0 & > 0[1] in. wc	STBY	STBY	.54	.52	STBY	Stby	STBY
		PDI-816-5	≤2.0 & > 0[1] in. wc	STBY	STBY	.56	.55	STBY	Stby	STBY

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 3 of 5)

			Date:	1-21-19	1-22-19	1/23/19	1-24-19	1/25/19	01/26/19 01/24/19	1-27-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	PT	[illegible]	PT	[illegible]	[illegible]	PT
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF850) ΔP	[1]PDI-812-1	≤2.0 & > 0[1] in. wc	.13	.12	STBY	STBY	.12	.10	.12
		PDI-812-2	≤2.0 & > 0[1] in. wc	.30	.30	STBY	STBY	.29	.29	.29
		PDI-812-3	≤2.0 & > 0[1] in. wc	.30	.30	STBY	STBY	.30	.30	.30
		PDI-812-4	≤2.0 & > 0[1] in. wc	.29	.29	STBY	STBY	.26	.27	.28
		PDI-812-5	≤2.0 & > 0[1] in. wc	.31	.31	STBY	STBY	.31	.31	.31
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF851) ΔP	[1]PDI-813-1	≤2.0 & > 0[1] in. wc	STBY	STBY	.08	.08	STBY	Stby	STBY
		PDI-813-2	≤2.0 & > 0[1] in. wc	STBY	STBY	.23	.23	STBY	Stby	STBY
		PDI-813-3	≤2.0 & > 0[1] in. wc	STBY	STBY	.19	.19	STBY	Stby	STBY
		PDI-813-4	≤2.0 & > 0[1] in. wc	STBY	STBY	.29	.29	STBY	Stby	STBY
		PDI-813-5	≤2.0 & > 0[1] in. wc	STBY	STBY	.37	.34	STBY	Stby	STBY
4.1.3.4[2]	IFIT exhaust filter plenum (FF-865) ΔP	[1]PDI-865-1	≤2.0 & > 0[1] in. wc	.02	.02	.02	.02	.02	.02	.02
		PDI-865-2	≤2.0 & > 0[1] in. wc	.40	.40	.38	.38	.38	.38	.38
		PDI-865-3	≤2.0 & > 0[1] in. wc	.32	.32	.32	.32	.32	.32	.32
4.1.3.4[2]	IFIT supply filter plenum (HVP-863) ΔP	[1]PDI-863-1	≤2.0 & > 0[1] in. wc	.05	.05	.04	.06	.06	.06	.06
		PDI-863-2	≤2.0 & >0[1] in. wc	.30	.30	.29	.30	.30	.30	.29

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 4 of 5)

			Date:	1-21-19	1-22-19	1/23/19	1-24-19	1/25/19	01/26/19	1-27-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	PT		PT			PT
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS**						
4.1.3.4[2]	North Basement supply filter plenum (HVP-840) ΔP	[1]PDI-857-1	≤ 2.0 & > 0[1] in. wc	.10	.10	.09	.10	.10	.18	.10
		PDI-857-2	≤2.0 & > 0[1] in. wc	.42	.42	.42	.42	.42	.42	.42
4.1.3.4[2]	North corridor supply filter plenum (HVP-809) ΔP	[1]PDI-856-1	≤2.0 & > 0[1] in. wc	.04	.04	.04	.04	.04	.05	.05
		PDI-856-2	≤2.0 & > 0[1] in. wc	.54	.54	.60	.60	.53	.53	.53
[1]NA	**Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C**		**0 lb/ft² combustibles in designated exclusion area (within 15 feet of fans)**	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 201		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 204		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 5 of 5)

			Date:	1-21-19	1-22-19	1/23/19	1-24-19	1/25/19	01/26/19	1-27-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	PT		PT			PT
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS						
4.3.2.2[2]	Room 206		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 207		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
			Completion time	10 15	0910	0845	0905	0050	0930	0850
			OC Operator Review and Page Count Complete (initials)		MJW	APS MJW	ARS MJW	MJW		PL

[1] Non TSR requirement

[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR's 4.1.3.4 and 4.3.2.2 apply during both Mode 1 and Mode 2.

Note: Rooms 201, 206 & 207 **must be** entered for surveillance even if they are red lit, room 204 can be viewed through the window. Notify the Operations Center of any rooms that are unable to be entered for the performance of rounds, Operations Center will make a logbook entry recording the room(s) and reason(s) for non-entry. Document in the comments section any room(s) and reason(s) they were unable to be entered for rounds.

Completed by: Paul Trujillo Date 1-27-19 Time 0850 Reviewed by: _____ (On-duty Supervisor) Date: 2-2-19 Time: 1230

Comments: 1/25/19 4322 Found fire-glass ladder in combustible area. Notified Ops. Ops, as per OPS go ahead and move ladder.

FOR INFORMATION ONLY

ATTACHMENT C: Non-PF-4 Daily Surveillance Rounds [UET]

(Page 1 of 1)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

M&TE Calibrated Data						
Record September through April only	PF-10 Thermometer File No.:	039746	PF-10 Thermistor File No.:	103765	V-701 Thermistor File No.:	103761 ~~103765~~ BC 1.22.19
	Calibration Expiration Date:	06-15-19	Calibration Expiration Date:	07-23-19	Calibration Expiration Date:	07-23-19
	PF-11 Thermometer File No.:	039745	PF-11 Thermistor File No.:	105353	V-704 Thermistor File No.:	~~040375~~ BC 1.22.19 040375
	Calibration Expiration Date:	06-15-19	Calibration Expiration Date:	08-07-19	Calibration Expiration Date:	08-07-19

PF-10 & PF-11 Pump house Room Temperature and V-701 & V-704 Fire Water Storage Tank Temperature									
Daily (September through April only)		Date:	01.21.19	1/22/19	01/23/19	1/24/19	1/25/19	01.26.19	01.27.19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	BC	[illegible]	SO	[illegible]	AAS	BC	BC
SR	**Description**	**Acceptance Criteria**							
NA	ENSURE *M&TE Calibration Data* above is recorded and calibration dates have not elapsed.	Calibration dates have not elapsed.	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT
4.3.1.1[1]	RECORD fire water storage tank V-701 temperature	≥ 42.1 F	53.7	53.5	53.2	53.3	53.5	53.6	53.7
4.3.1.1[1]	RECORD fire water storage tank V-704 temperature	≥ 42.1 F	53.1	53.6	53.4	53.4	53.1	51.3	50.3
4.3.1.3[1]	RECORD PF-10 room temperature	≥ 50.1 F	66.5	62.6	61.1	61.9	62.7	62.1	62.6
4.3.1.3[1]	RECORD PF-11 room temperature	≥ 50.1 F	64.2	65.1	66.5	66.2	65.2	63.6	62.8
		Completion Time:	0859	0840	0836	0841	1005	0835	0849
OC Operator Review and Page Count Complete (initials)			[illegible]	BC MJW	[illegible] MJW	[illegible] MJW	BC MJW	[illegible]	BC

[1] Temperatures should be recorded using Reference Thermometer FLUKE Model 1524 connected to Thermistor Probe Fluke Model 5610-9 (or approved engineered equivalent).

Completed by: [signature] Date 01.27.19 Time 0849

Reviewed by: [signature] Date: 2-2-19 Time: 1231
On-duty Supervisor

Comments:

FOR INFORMATION ONLY

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 1 of 3)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

Note Gauge readings should be taken on rack #4 in the OC. whenever possible. Document if alternate PDIs are used.		**Date:**	1/28/19		1/29/19		01-30-19		01-31-19							
		Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
		Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
		Initials:	✓	AM	M	JL	BC	✓	BC	✓						
SRs	**Description**	**Gauge Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**													
4.1.1.1 4.1.2.1[2]	**200 area glovebox exhaust header ΔP**	PDI-814-1 or PDI-814-2 ≤-1.0 in. wc[1]	-2.00	-2.00	-2.01	-1.99	-2.00	-1.99	-2.00	-2.01						
	100 area glovebox exhaust header ΔP	PDI-820-1 or PDI-820-2 ≤-1.0 in. wc[1]	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94						
	300 area glovebox exhaust header ΔP	PDI-870-1 or PDI-870-2 ≤-1.0 in. wc[1]	-2.01	-2.00	-2.01	-2.01	-2.01	-2.01	-2.01	-2.01						
	400 area glovebox exhaust header ΔP	PDI-864-1 or PDI-864-2 ≤-1.0 in. wc[1]	-2.02	-2.02	-2.01	-2.02	-2.02	-2.03	-2.03	-2.03						
4.1.1.2 4.1.1.5 4.1.2.2[2]	**200 area laboratory header ΔP**	PDI-803-1 or PDI-803-2 ≤-0.05 in. wc[1]	-.20	-.20	-.20	-0.20	-.20	-.20	-.20	-.21						
	100 area laboratory header ΔP	PDI-802-1 or PDI-802-2 ≤-0.05 in. wc[1]	-.25	-.25	-.25	-0.25	-.24	-.25	-.26	-.26						
	300 area laboratory header ΔP	PDI-853-1 or PDI-853-2 ≤-0.05 in. wc[1]	-.20	-.20	-.20	-0.20	-.20	-.20	-.20	-.20						
	400 area laboratory header ΔP	PDI-852-1 or PDI-852-2 ≤-0.05 in. wc[1]	-.19	-.21	-.20	-0.20	-.20	-.20	-.20	-.20						
	IFIT Facility ΔP	PDI-865-4 or PDI-865-5 ≤-0.05 in. wc	-.15	-.15	-.15	-0.15	-.15	-.15	-.15	-.15						
4.1.1.3 4.1.2.3[2]	**North basement ΔP**	PDI-804-1 or PDI-804-2 < 0.00 in. wc	-.09	-.09	-.09	-0.09	-.09	-.09	-.09	-.09						
	South basement ΔP	PDI-854-1 or PDI-854-2 < 0.00 in. wc	-.08	-.08	-.09	-0.08	-.08	-.08	-.08	-.08						
	IRT Tunnel ΔP	PDT-901 or PDI-901 < 0.00 in. wc	-.085	-.101 ~~-1.00~~ MSW	-.094	-0.093	-.082	-.098	-.096	-.098						

MSW 1/28/19

FOR INFORMATION ONLY

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 2 of 3)

Note: Readings should be taken using FCS screens FMT#151,152,201LD and 202LD. Field verification and local plenum PDI's may be used if FCS is unavailable.				Date:	1/28/19		1/29/19		01-30-19		01-31-19							
				Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
				Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
				Initials:	~	AAJ	K	JK	BC	C	BC	C						
SRs	**Description**	**Readings**	**Acceptance Criteria**	**SURVEILLANCE RESULTS Sat / Unsat (circle one)**														
4.1.1.6	**200 area re-circulation fan/ plenum**	FR-801 Icon red and PDT-831 ΔP >.050 or FR-802 Icon red and PDT-832 ΔP >.050	At least one fan/plenum is in service	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	100 area re-circulation fan/ plenum	FR-803 Icon red and PDT-833 ΔP >.050 or FR-804 Icon red and PDT-835 ΔP >.050	At least one fan/plenum is in service	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	300 area re-circulation fan/ plenum	FR-805 Icon red and PDT-836 ΔP >.050 or FR-806 Icon red and PDT-837 ΔP >.050	At least one fan/plenum is in service	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	400 area re-circulation fan/ plenum	FR-807 Icon red and PDT-838 ΔP >.050 or FR-808 Icon red and PDT-839 ΔP >.050	At least one fan/plenum is in service	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	Vault re-circulation fan/ plenum	FR-811 Icon red and PDT-840 ΔP >.050 or FR-812 Icon red and PDT-841 ΔP >.050	At least one fan/plenum is in service	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat

FOR INFORMATION ONLY

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 3 of 3)

Note
Gauge readings should be taken on rack #4 in the OC when possible, local PDI equivalents may be used if necessary. Document any alternate PDIs used.

				Date:	1/28/19		1/29/19		01-30-19		01-31-19								
				Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.		
				Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	
				Initials:	~	APM	K	JK	BC	K	BC	K							
SRs	**Description**	**Area**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS** Sat / Unsat (circle one)														
4.1.1.4	**Glovebox exhaust header ΔPs < laboratory ΔPs < basement ΔPs for areas 100, 200, 300 and 400**	200 Area	PDI-814-2 PDI-803-2 PDI-804-2	PDI-814-2 < PDI-803-2 < PDI-804-2	~~Sat~~ Unsat	~~Sat~~ Unsat	~~Sat~~ Unsat	~~Sat~~ Unsat	~~Sat~~ Unsat	~~Sat~~ Unsat	~~Sat~~ Unsat	~~Sat~~ Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	
		100 Area	PDI-820-2 PDI-802-2 PDI-804-2	PDI-820-2 < PDI-802-2 < PDI-804-2	~~Sat~~ Unsat	~~Sat~~ Unsat	~~Sat~~ Unsat	~~Sat~~ Unsat	~~Sat~~ Unsat	~~Sat~~ Unsat	~~Sat~~ Unsat	~~Sat~~ Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	
		300 Area	PDI-870-2 PDI-853-2 PDI-854-2	PDI-870-2 < PDI-853-2 < PDI-854-2	~~Sat~~ Unsat	~~Sat~~ Unsat	~~Sat~~ Unsat	~~Sat~~ Unsat	~~Sat~~ Unsat	~~Sat~~ Unsat	~~Sat~~ Unsat	~~Sat~~ Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	
		400 Area	PDI-864-2 PDI-852-2 PDI-854-2	PDI-864-2 < PDI-852-2 < PDI-854-2	~~Sat~~ Unsat	~~Sat~~ Unsat	~~Sat~~ Unsat	~~Sat~~ Unsat	~~Sat~~ Unsat	~~Sat~~ Unsat	~~Sat~~ Unsat	~~Sat~~ Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	
		Completion Time			0732	1930	0724	1932	0724	1919	0718	1929							
					MJW	K	K	K	MJW	K	MJW								

[1] Mode 2 acceptance criteria is < 0.00 in. wc.

[2] SRs 4.1.2.x only apply during Mode 2 in accordance with LCO 3.1.2.

Completed by: K Date 1/31/19 Time 1919 Reviewed by: _____ Date: 2-2-19 Time: 1232
On-duty Supervisor

Comments: _____

FOR INFORMATION ONLY

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

SR 4.4.1.1, The OPERABILITY acceptance criterion for this surveillance is:
The FLAMMABLE GAS detector in the FSTF FLAMMABLE GAS SOURCE storage cabinet is exposed to the ambient atmosphere in the storage cabinet. The gas concentration readout directly on the detector in the storage cabinet is compared with the gas concentration readout on the system control and alarm panel. The difference between the two readings is checked to VERIFY it is in the range of (≥-0.1; ≤0.1).

		Date:	1/28/19	1-29-19	1/30/19	1/31/19			
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	[illegible]	RT	[illegible]	[illegible]			
	Description / Gauge	**Acceptance Criteria**	**SURVEILLANCE RESULTS (percentage)**						
SR 4.4.1.1	**Flammable Gas Channel Check DET-305-3 (LCD Reading)**	NA	005	005	005	005			
	CP-305-H (LED Reading)		005	005	005	005			
	(DET-305-3) – (CP-305H)	Record Calculated Value	005	005	005	005			
	(LCD Reading) (LED Reading)	≥ -0.1; ≤+0.1	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat	Sat / Unsat	Sat / Unsat
		Completion Time:	0900	0900	0810	0900			

FOR INFORMATION ONLY

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side)[UET]

(Page 2 of 4)

			Date:	1/28/19	1-29-19	1/30/19	1/31/19			
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	[illegible]	PT	[illegible]	[illegible]			
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	South basement supply filter plenum (HVP-841) ΔP	[1]PDI-894-1	≤2.0 & > 0[1] in. wc	.02	.02	.02	.02			
		PDI-894-2	≤2.0 & > 0[1] in. wc	.41	.41	.41	.41			
4.1.3.4[2]	South Corridor supply (HVP-810) ΔP	[1]PDI-895-1	≤2.0 & > 0[1] in. wc	.05	.05	.04	.04			
		PDI-895-2	≤2.0 & > 0[1] in. wc	.71	.71	.71	.71			
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF854) ΔP	[1]PDI-817-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY			
		PDI-817-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY			
		PDI-817-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY			
		PDI-817-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY			
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF858) ΔP	PDI-81 9-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY			
		PDI-81 9-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY			
		PDI-819-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY			
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF855) ΔP	[1]PDI-818-1	≤2.0 & > 0[1] in. wc	.24	24	.24	.24			
		PDI-818-2	≤2.0 & > 0[1] in. wc	.30	.30	.30	.30			
		PDI-818-4	≤2.0 & > 0[1] in. wc	.28	30	.29	.29			
		PDI-818-5	≤2.0 & > 0[1] in. wc	.30	30	.30	.30			
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF859) ΔP	PDI-821-1	≤2.0 & > 0[1] in. wc	.42	.42	.42	.42			
		PDI-821-3	≤2.0 & > 0[1] in. wc	.45	.49	.46	.46			
		PDI-821-4	≤2.0 & > 0[1] in. wc	.40	.41	.41	.41			

FOR INFORMATION ONLY

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 3 of 4)

			Date:	1/28/19	1-29-19	1/30/19	1/31/19			
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	[illegible]	PT	[illegible]	[illegible]			
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF856) ΔP	[1]PDI-822-1	≤2.0 & > 0[1] in. wc	.12	.12	.12	.12			
		PDI-822-2	≤2.0 & > 0[1] in. wc	.60	.60	.59	.59			
		PDI-822-4	≤2.0 & > 0[1] in. wc	.43	.43	.43	.43			
		PDI-822-5	≤2.0 & > 0[1] in. wc	.59	.60	.59	.59			
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF857) ΔP	[1]PDI-823-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY			
		PDI-823-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY			
		PDI-823-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY			
		PDI-823—5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY			
4.1.3.4[2]	South Basement exhaust filter plenum (FF-829) ΔP	[1]PDI-830-1	≤2.0 & > 0[1] in. wc	.20	.25	.20	.20			
		PDI-830-2	≤2.0 & > 0[1] in. wc	.11	.11	.10	.11			
		PDI-830-3	≤2.0 & > 0[1] in. wc	.09	.09	.09	.09			
4.1.1.7[2]	300 area re-circulation filter plenum (HVP-805) ΔP	[1]PDI-836-1	≤2.0 & > 0[1] in. wc	.06	.06	.06	.06			
		PDI-836-2	≤2.0 & > 0[1] in. wc	.65	.65	.65	.65			
		PDI-836-3	≤2.0 & > 0[1] in. wc	.64	.64	.64	.64			
	300 area re-circulation filter plenum (HVP-806) ΔP	[1]PDI-837-1	≤2.0 & > 0[1] in. wc	.04	.04	.04	.04			
		PDI-837-2	≤2.0 & > 0[1] in. wc	.49	.49	.49	.49			
		PDI-837-3	≤2.0 & > 0[1] in. wc	.45	.45	.45	.45			

FOR INFORMATION ONLY

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 4 of 4)

			Date:	1/28/19	1-29-19	1/30/19	1/31/19			
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:		PJ					
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.1.7[2]	400 area re-circulation filter plenum (HVP-807) ΔP	[1]PDI-838-1	≤2.0 & > 0[1] in. wc	.55	.55	.55	.55			
		PDI-838-2	≤2.0 & > 0[1] in. wc	.58	.58	.58	.58			
		PDI-838-3	≤2.0 & > 0[1] in. wc	.59	.59	.59	.59			
	400 area re-circulation filter plenum (HVP-808) ΔP	[1]PDI-839-1	≤2.0 & > 0[1] in. wc	.39	.39	.39	.39			
		PDI-839-2	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51			
		PDI-839-3	≤2.0 & > 0[1] in. wc	.52	.52	.52	.52			
4.1.3.4[2]	South Bleed off filter plenum (FF-822A) ΔP	[1]PDI-810-1	≤2.0 & > 0[1] in. wc	.17	.17	.17	.17			
		PDI-810-2	≤2.0 & > 0[1] in. wc	.58	.58	.56	.58			
		PDI-810-3	≤2.0 & > 0[1] in. wc	.51	.51	.51	.52			
4.1.3.4[2]	South Bleed off filter plenum (FF-822B) ΔP	[1]PDI -811 - 1	≤2.0 & > 0[1] in. wc	off	OFF	off	off			
		PDI -811 -2	≤2.0 & > 0[1] in. wc	off	OFF	off	off			
		PDI -811 -3	≤2.0 & > 0[1] in. wc	OFF	OFF	off	off			
			Completion Time	1040	1030	0920	0920			
OC Operator Review and Page Count Complete (initials)				JSC MJW	MJW	MJW	MJW			

[1] Non TSR requirement

[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR 4.1.3.4 apply during both Mode 1 and Mode 2 as stated in LCO 3.1.3.

Completed by: Jerome M. Date 1/31/19 Time 0920 Reviewed by: _____ Date: 1/31/2019 Time: 1127

On-duty Supervisor

Comments _____

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 1 of 5)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

			Date:	1/28/19	1-29-19	1/30/19	1/31/19			
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	[illegible]	PT	[illegible]	[illegible]			
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.1.7[2]	**Vault re-circulation filter plenum (HVP-811) ΔP Vault re-circulation filter plenum (HVP-812) ΔP**	[1]PDI-840-1	≤2.0 & > 0[1] in. wc	.17	.17	.17	.17			
		PDI-840-2	≤2.0 & > 0 in[1]. wc	.56	.57	.57	.57			
		PDI-840-3	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51			
		[1]PDI-841-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY			
		PDI-841-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY			
		PDI-841-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY			
	200 area re-circulation filter plenum (HVP-801) ΔP	[1]PDI-831-1	≤2.0 & > 0[1] in. wc	.33	.33	.33	.33			
		PDI-831-2	≤2.0 & > 0[1] in. wc	.41	.41	.41	.41			
		PDI-831-3	≤2.0 & > 0[1] in. wc	.39	.39	.39	.39			
	200 area re-circulation filter plenum (HVP-802) ΔP	[1]PDI-832-1	≤2.0 & > 0[1] in. wc	.42	.44	.44	.43			
		PDI-832-2	≤2.0 & > 0[1] in. wc	.65	.67	.66	.66			
		PDI-832-3	≤2.0 & > 0[1] in. wc	.61	PT .61 [illegible]	.61	.61			
4.1.3.4[2]	**North Bleed off filter plenum (FF-820A) ΔP**	[1]PDI-807-1	≤2.0 & > 0[1] in. wc	.11	.11	.11	.11			
		PDI-807-2	≤2.0 & > 0[1] in. wc	.52	.51	.52	.52			
		PDI-807-3	≤2.0 & > 0[1] in. wc	.50	.50	.50	.50			
4.1.3.4[2]	**North Bleed off filter plenum (FF-820B) ΔP**	[1]PDI-809-1	≤2.0 & > 0[1] in. wc	off	OFF	off	off			
		PDI-809-2	≤2.0 & > 0[1] in. wc	off	OFF	off	off			
		PDI-809-3	≤2.0 & > 0[1] in. wc	off	OFF	off	off			

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 2 of 5)

			Date:	1/28/19	1-29-19	1/30/19	1/31/19			
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:		PT					
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.3.4[2]	North Basement exhaust filter plenum (FF-828) ΔP	[1]PDI-829-1	≤2.0 & > 0[1] in. wc	.34	.36	.36	.36			
		PDI-829-2	≤2.0 & > 0[1] in. wc	.51	.52	.53	.53			
		PDI-829-3	≤2.0 & > 0[1] in. wc	.42	.43	.43	.44			
4.1.1.7[2]	100 area re-circulation filter plenum (HVP-803) ΔP	[1]PDI-833-1	≤2.0 & > 0[1] in. wc	.07	.07	.07	.07			
		PDI-833-2	≤2.0 & > 0[1] in. wc	.52	.52	.52	.52			
		PDI-833-3	≤2.0 & > 0[1] in. wc	.50	.50	.50	.51			
	100 area re-circulation filter plenum (HVP-804) ΔP	[1]PDI-835-1	≤2.0 & > 0[1] in. wc	.05	.05	.05	.05			
		PDI-835-2	≤2.0 & > 0[1] in. wc	.49	.49	.49	.49			
		PDI-835-3	≤2.0 & > 0[1] in. wc	.50	.50	.50	.50			
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF852) ΔP	[1]PDI-815-1	≤2.0 & > 0[1] in. wc	.28	.28	.28	.28			
		PDI-815-2	≤2.0 & > 0[1] in. wc	.58	.58	.58	.58			
		PDI-815-4	≤2.0 & > 0[1] in. wc	.50	.50	.50	.50			
		PDI-815-5	≤2.0 & > 0[1] in. wc	.50	.50	.50	.50			
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF853) ΔP	[1]PDI-816-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY			
		PDI-816-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY			
		PDI-816-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY			
		PDI-816-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY			

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 3 of 5)

			Date:	1/28/19	1-29-19	1/30/19	1/31/19			
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	[illegible]	PT	[illegible]	[illegible]			
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF850) ΔP	[1]PDI-812-1	≤2.0 & > 0[1] in. wc	.12	.12	.12	.12			
		PDI-812-2	≤2.0 & > 0[1] in. wc	.29	.29	.29	.29			
		PDI-812-3	≤2.0 & > 0[1] in. wc	.29	.29	.29	.29			
		PDI-812-4	≤2.0 & > 0[1] in. wc	.26	.28	.27	.27			
		PDI-812-5	≤2.0 & > 0[1] in. wc	.31	.31	.31	.31			
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF851) ΔP	[1]PDI-813-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY			
		PDI-813-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY			
		PDI-813-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY			
		PDI-813-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY			
		PDI-813-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY			
4.1.3.4[2]	IFIT exhaust filter plenum (FF-865) ΔP	[1]PDI-865-1	≤2.0 & > 0[1] in. wc	.02	.02	.02	.02			
		PDI-865-2	≤2.0 & > 0[1] in. wc	.39	.39	.39	[illegible] .38			
		PDI-865-3	≤2.0 & > 0[1] in. wc	.32	.32	.32	.32			
4.1.3.4[2]	IFIT supply filter plenum (HVP-863) ΔP	[1]PDI-863-1	≤2.0 & > 0[1] in. wc	.05	.05	.05	.05			
		PDI-863-2	≤2.0 & >0[1] in. wc	.29	.29	.29	.29			

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 4 of 5)

			Date:	1/28/19	1-29-19	1/30/19	1/31/19			
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	[illegible]	PT	[illegible]	[illegible]			
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS**						
4.1.3.4[2]	North Basement supply filter plenum (HVP-840) ΔP	[1]PDI-857-1	≤ 2.0 & > 0[1] in. wc	.10	.10	.11	.11			
		PDI-857-2	≤2.0 & > 0[1] in. wc	.42	.42	.42	.42			
4.1.3.4[2]	North corridor supply filter plenum (HVP-809) ΔP	[1]PDI-856-1	≤2.0 & > 0[1] in. wc	.04	.04	.04	.04			
		PDI-856-2	≤2.0 & > 0[1] in. wc	.53	.53	.53	.53			
[1]NA	**Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C**		**0 lb/ft² combustibles in designated exclusion area (within 15 feet of fans)**	SAT	SAT	SAT	SAT			
4.3.2.2[2]	Room 201		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT			
4.3.2.2[2]	Room 204		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT			

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 5 of 5)

			Date:	1/28/19	1-29-19	1/30/19	1/31/19			
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:		PT					
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS**						
4.3.2.2[2]	Room 206		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT			
4.3.2.2[2]	Room 207		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT			
			Completion time	1050	1030	0950	0945			
			OC Operator Review and Page Count Complete (initials)	MJW ISC	MJW	MJW	MJW			

[1] Non TSR requirement

[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR's 4.1.3.4 and 4.3.2.2 apply during both Mode 1 and Mode 2.

Note: Rooms 201, 206 & 207 **must be** entered for surveillance even if they are red lit, room 204 can be viewed through the window. Notify the Operations Center of any rooms that are unable to be entered for the performance of rounds, Operations Center will make a logbook entry recording the room(s) and reason(s) for non-entry. Document in the comments section any room(s) and reason(s) they were unable to be entered for rounds.

Completed by: Jerome M. Date 1/31/19 Time 0945 Reviewed by: _____ Date: 1/31/2019 Time: 1129

On-duty Supervisor

Comments: _____

FOR INFORMATION ONLY

ATTACHMENT C: Non-PF-4 Daily Surveillance Rounds [UET]

(Page 1 of 1)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

M&TE Calibrated Data						
Record September through April only	PF-10 Thermometer File No.:	039746	PF-10 Thermistor File No.:	103765	V-701 Thermistor File No.:	103761
	Calibration Expiration Date:	6/15/19	Calibration Expiration Date:	7/23/19	Calibration Expiration Date:	7/23/19
	PF-11 Thermometer File No.:	039745	PF-11 Thermistor File No.:	105353	V-704 Thermistor File No.:	040375
	Calibration Expiration Date:	6/15/19	Calibration Expiration Date:	8/7/19	Calibration Expiration Date:	8/7/19

PF-10 & PF-11 Pump house Room Temperature and V-701 & V-704 Fire Water Storage Tank Temperature									
Daily (September through April only)		Date:	1/28/19	1/29/19	1-30-19	1/31/19			
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	[illegible]	[illegible]	PT	[illegible]			
SR	**Description**	**Acceptance Criteria**							
NA	ENSURE *M&TE Calibration Data* above is recorded and calibration dates have not elapsed.	Calibration dates have not elapsed.	(SAT) UNSAT	(SAT) /UNSAT	(SAT) UNSAT	(SAT) UNSAT	SAT /UNSAT	SAT /UNSAT	SAT /UNSAT
4.3.1.1[1]	RECORD fire water storage tank V-701 temperature	≥ 42.1 F	53.6	53.5	52.7	51.1			
4.3.1.1[1]	RECORD fire water storage tank V-704 temperature	≥ 42.1 F	51.4	52.1	52.6	53.7			
4.3.1.3[1]	RECORD PF-10 room temperature	≥ 50.1 F	63.4	62.7	62.6	62.7			
4.3.1.3[1]	RECORD PF-11 room temperature	≥ 50.1 F	67.8	63.1	65.9	67.8			
		Completion Time:	0838	0840	0849	0931			
	OC Operator Review and Page Count Complete (initials)		[illegible] MSW	[illegible]	[illegible] MSW	[illegible] MSW			

[1] Temperatures should be recorded using Reference Thermometer FLUKE Model 1524 connected to Thermistor Probe Fluke Model 5610-9 (or approved engineered equivalent).

Completed by: [signature] Date 1/31/19 Time 0942

Reviewed by: [signature] Date: 1/31/2019 Time: 1132

On-duty Supervisor

Comments:

FOR INFORMATION ONLY

ATTACHMENT D: Monthly Surveillance Rounds (Confinement Doors) [UET]

(Page 1 of 2)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

SRs	Equipment	Location	Acceptance criteria	Sat or Unsat.	Completion Time:	Date:	Initials
*Note	Confinement DR-344	Southeast	Verify that the Astragals and Jamb-Seal features are in-place and cover the gaps present 1. Between the door leaves and 2. Between the frame and the door edge when the doors are in the closed position	(Sat.) / Unsat.	1359	1/10/19	
4.1.3.2[1]	Confinement Door DR-344	Southeast	Exercise fully open and Verify that the door goes to the fully closed position via the automatic door closure. For each confinement door, VERIFY that one leaf of the door(s) is secured shut (NW, NE, SW, SE, south basement door).	(Sat.) / Unsat.	1359	1/10/19	
4.1.3.2[1]	Confinement Door DR-149	Northeast	Exercise fully open and Verify that the door goes to the fully closed position via the automatic door closure. For each confinement door, VERIFY that one leaf of the door(s) is secured shut (NW, NE, SW, SE, south basement door).	(Sat.) / Unsat.	1344	1/10/19	
*Note	Confinement DR-102	Northwest	Verify that the Astragals and Jamb-Seal features are in-place and cover the gaps present 1. Between the door leaves and 2. Between the frame and the door edge when the doors are in the closed position	(Sat.) / Unsat.	1510	1/10/19	
4.1.3.2[1]	Confinement Door DR-102	Northwest	Exercise fully open and Verify that the door goes to the fully closed position via the automatic door closure. For each confinement door, VERIFY that one leaf of the door(s) is secured shut (NW, NE, SW, SE, south basement door).	(Sat.) / Unsat.	1510	1/10/19	
			AND VERIFY and RECORD the time (using calibrated stop watch) that the door(s) go to the fully closed position via the automatic door closure is ≤ 30 seconds. 4.2 Seconds	(Sat.) / Unsat.	1510	1/10/19	

*** Note:** Monthly Inspection of DR-344 and DR-102 in accordance with compensatory measure(s) from: *Request for Permanent Equivalency to OE Order 420.1B Chapter II, NFPA 80, NFPA 101 and IBC Requirements for LANL Building TA55-4 (PF-4); Installation of New Confinement Doors DR-102, DR-302, and DR-344 LANL-DOE-ORDER-420.1B-EQ-2013-001*

FOR INFORMATION ONLY

ATTACHMENT D: Monthly Surveillance Rounds (Confinement Doors) [UET]

(Page 2 of 2)

SRs	Equipment	Location	Acceptance criteria	Sat or Unsat.	Completion Time:	Date:	Initials
4.1.3.2[1]	Confinement Door DR-302	Southwest	Exercise fully open and Verify that the door goes to the fully closed position via the automatic door closure. For each confinement door, VERIFY that one leaf of the door(s) is secured shut (NW, NE, SW, SE, south basement door).	(Sat.) Unsat.	1502	1/10/19	[illegible]
			AND VERIFY and RECORD the time (using calibrated stop watch) that the door(s) go to the fully closed position via the automatic door closure is ≤ 30 seconds. 6.9 Seconds	(Sat.) Unsat.	1502	1/10/19	[illegible]
4.1.3.2[1]	Confinement Door DR-4	N. Basement Personnel door DR-4	Exercise fully open and Verify that the door goes to the fully closed position via the automatic door closure	(Sat.) Unsat.	1430	1/10/19	[illegible]
4.1.3.2[1]	Confinement Door DR-90	South Basement Door (Tunnel)	Exercise fully open and Verify that the door goes to the fully closed position via the automatic door closure. For each confinement door, VERIFY that one leaf of the door(s) is secured shut (NW, NE, SW, SE, south basement door).	(Sat.) Unsat.	1454	1/10/19	[illegible]
						OC Operator Review and Page Count Complete	[illegible]

[1] SR 4.1.3.2 applies during both Mode 1 and Mode 2.

Completed by: [illegible] Date 1/10/19 Time 1520 Reviewed by: [illegible] 1/10/2019 Date: _____ Time: 1538

On-duty Supervisor Comments: Tunnel Door 90 right side opener not operating.

FOR INFORMATION ONLY

Attachment B, Surveillance Training Checklist

(Page 1 of 2)

Procedure title:	SURVEILLANCE ROUNDS
Procedure no.:	TA55-STP-004 R 19.1
Date of issue:	2/1/19
Working copy issued to:	MILLER
Working copy issued by:	COCHRAN
	Certified Operations Center Operator (OCO)

Procedure is the current revision listed in Documentum: ☑ Yes ☐ Documentum Unavailable

Performance Type: ☑ Scheduled ☐ Partial ☐ Other *If partial or other list reason in Comments below*

Comments: *(Document TSR Status Board tracking date here if different from completion date.)*

Training Checklist:

Workers Performing Surveillance	Applicable Surveillance Training Current	
	OCO Initials	Date
J. CERILLO	C	2/1/19
V. CHANCE	C	2/1/19
C. COCHRAN	C	2/1/19
A. JAVARIGUE	C	2/1/19
M. MILLER	C	2/1/19
L. PRICE	C	2/1/19
F. PETRAS	C	2/1/19
H. ASHLEY	C	2/1/19
P. DUNLAVY	C	2/1/19

OC Reviews Complete and TSR Status Board Updated

OCO Signature / Date 3/1/19

For Information Only

Attachment B, Surveillance Training Checklist (continued)

(Page 2 of 2)

Training Checklist (continuation sheet)

Workers Performing Surveillance	Applicable Surveillance Training Current	
	Initials	Date
A. DUNSEITH	✓	2/1/19
M. LASHBURN	✓	2/1/19
B. FORTHAM	✓	2/1/19
D. HEINTSCHEL	✓	2/1/19
R. HOHNER	✓	2/1/19
M. IRISH	✓	2/1/19
T. LANGWORTHY	✓	2/1/19
J. MARTINEZ	✓	2/1/19
R. MARTINEZ	✓	2/1/19
ANTHONY SANCHEZ	✓	2/1/19
AUGIE SANCHEZ	✓	2/1/19
P. TRUJILLO	✓	2/1/19
S. O'NEILL	✓	2/1/19

For Information Only

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 1 of 3)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

Note: Gauge readings should be taken on rack #4 in the OC. whenever possible. Document if alternate PDIs are used.		Date:									2/1/19		2/2/19		2/3/19	
		Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
		Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
		Initials:									[illegible]	ADS	[illegible]	ADS	[illegible]	ADS
SRs	**Description**	**Gauge Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**													
4.1.1.1 4.1.2.1[2]	200 area glovebox exhaust header ΔP	PDI-814-1 or PDI-814-2 ≤-1.0 in. wc[1]									-2.01	-2.00	-2.00	-2.00	-2.00	-2.00
	100 area glovebox exhaust header ΔP	PDI-820-1 or PDI-820-2 ≤-1.0 in. wc[1]									-1.94	-1.94	-1.94	-1.94	-1.94	-1.94
	300 area glovebox exhaust header ΔP	PDI-870-1 or PDI-870-2 ≤-1.0 in. wc[1]									-2.01	-2.00	-2.01	-2.00	-2.00	-2.01
	400 area glovebox exhaust header ΔP	PDI-864-1 or PDI-864-2 ≤-1.0 in. wc[1]									-2.03	-2.01	-2.02	-2.03	-2.02	-2.03
4.1.1.2 4.1.1.5 4.1.2.2[2]	200 area laboratory header ΔP	PDI-803-1 or PDI-803-2 ≤-0.05 in. wc[1]									-.20	-.20	-.20	-.20	-.20	-.21
	100 area laboratory header ΔP	PDI-802-1 or PDI-802-2 ≤-0.05 in. wc[1]									-.25	-.25	-.25	-.25	-.25	-.26
	300 area laboratory header ΔP	PDI-853-1 or PDI-853-2 ≤-0.05 in. wc[1]									-.20	-.20	-.20	-.20	-.19	-.21
	400 area laboratory header ΔP	PDI-852-1 or PDI-852-2 ≤-0.05 in. wc[1]									-.20	-.19	-.15	-.19	-.19	-.20
	IFIT Facility ΔP	PDI-865-4 or PDI-865-5 ≤-0.05 in. wc									-.15	-.15	-.15	-.15	-.15	-.15
4.1.1.3 4.1.2.3[2]	North basement ΔP	PDI-804-1 or PDI-804-2 < 0.00 in. wc									-.09	-.09	-.10	-.10	-.09	-.10
	South basement ΔP	PDI-854-1 or PDI-854-2 < 0.00 in. wc									-.09	-.08	-.10	-.10	-.08	-.08
	IRT Tunnel ΔP	PDT-901 or PDI-901 < 0.00 in. wc									-.097	-.096	-.097	-.083	-.083	-.099

Non Information Only

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 2 of 3)

Note: Readings should be taken using FCS screens FMT#151,152,201LD and 202LD. Field verification and local plenum PDI's may be used if FCS is unavailable.																		
			Date:										2/1/19		2/2/19		2/3/19	
			Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.		
			Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	
			Initials:									K	ARJ	K	ARJ	MM	ARJ	
SRs	**Description**	**Readings**	**Acceptance Criteria**	**SURVEILLANCE RESULTS Sat / Unsat (circle one)**														
4.1.1.6	**200 area re-circulation fan/ plenum**	FR-801 Icon red and PDT-831 ΔP >.050 or FR-802 Icon red and PDT-832 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	
	100 area re-circulation fan/ plenum	FR-803 Icon red and PDT-833 ΔP >.050 or FR-804 Icon red and PDT-835 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	
	300 area re-circulation fan/ plenum	FR-805 Icon red and PDT-836 ΔP >.050 or FR-806 Icon red and PDT-837 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	
	400 area re-circulation fan/ plenum	FR-807 Icon red and PDT-838 ΔP >.050 or FR-808 Icon red and PDT-839 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	
	Vault re-circulation fan/ plenum	FR-811 Icon red and PDT-840 ΔP >.050 or FR-812 Icon red and PDT-841 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	

Only valid on the day printed. For training purposes.

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 3 of 3)

Note
Gauge readings should be taken on rack #4 in the OC when possible, local PDI equivalents may be used if necessary. Document any alternate PDIs used.

				Date:										2/1/19		2/2/19		2/3/19	
				Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
				Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
				Initials:									W	APJ	W	APJ	MH	APJ
SRs	**Description**	**Area**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS** Sat / Unsat (circle one)													
4.1.1.4	**Glovebox exhaust header ΔPs < laboratory ΔPs < basement ΔPs for areas 100, 200, 300 and 400**	200 Area	PDI-814-2 PDI-803-2 PDI-804-2	PDI-814-2 < PDI-803-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		100 Area	PDI-820-2 PDI-802-2 PDI-804-2	PDI-820-2 < PDI-802-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		300 Area	PDI-870-2 PDI-853-2 PDI-854-2	PDI-870-2 < PDI-853-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		400 Area	PDI-864-2 PDI-852-2 PDI-854-2	PDI-864-2 < PDI-852-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		Completion Time											0729	1925	0730	1930	0734	1930

[1] Mode 2 acceptance criteria is < 0.00 in. wc.
[2] SRs 4.1.2.x only apply during Mode 2 in accordance with LCO 3.1.2.

Completed by: [illegible] Date 2/3/19 Time 1930 Reviewed by: _____ Date: 2/4/2019 Time: 0632
On-duty Supervisor

Comments: _____

Audio Information Only
For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

SR 4.4.1.1, The OPERABILITY acceptance criterion for this surveillance is:
The FLAMMABLE GAS detector in the FSTF FLAMMABLE GAS SOURCE storage cabinet is exposed to the ambient atmosphere in the storage cabinet. The gas concentration readout directly on the detector in the storage cabinet is compared with the gas concentration readout on the system control and alarm panel. The difference between the two readings is checked to VERIFY it is in the range of (≥-0.1; ≤0.1).

		Date:					2-1-19	2/2/19	02/03/19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:					RH	DH	WH
	Description / Gauge	**Acceptance Criteria**	**SURVEILLANCE RESULTS (percentage)**						
SR	**Flammable Gas Channel Check DET-305-3 (LCD Reading)**	NA					005	005	005
4.4.1.1	**CP-305-H (LED Reading)**						005	005	005
	(DET-305-3) – (CP-305H)	Record Calculated Value					005	005	005
	(LCD Reading) (LED Reading)	≥ -0.1; ≤+0.1	Sat / Unsat	Sat / Unsat	Sat / Unsat	Sat / Unsat	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005
		Completion Time:					0815	0725	0823

For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side)[UET]

(Page 2 of 4)

For Information Only

			Date:					2-1-19	2/2/19	10/2 10/3/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:					ZH	DH	[illegible]
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	South basement supply filter plenum (HVP-841) ΔP	[1]PDI-894-1	≤2.0 & > 0[1] in. wc					.03	.02	.02
		PDI-894-2	≤2.0 & > 0[1] in. wc					.41	.41	.41
4.1.3.4[2]	South Corridor supply (HVP-810) ΔP	[1]PDI-895-1	≤2.0 & > 0[1] in. wc					.05	.05	.05
		PDI-895-2	≤2.0 & > 0[1] in. wc					.71	.71	.71
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF854) ΔP	[1]PDI-817-1	≤2.0 & > 0[1] in. wc					STBY	STBY	Stby
		PDI-817-2	≤2.0 & > 0[1] in. wc					STBY	STBY	Stby
		PDI-817-4	≤2.0 & > 0[1] in. wc					STBY	STBY	Stby
		PDI-817-5	≤2.0 & > 0[1] in. wc					STBY	STBY	Stby
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF858) ΔP	PDI-81 9-1	≤2.0 & > 0[1] in. wc					STBY	STBY	Stby
		PDI-81 9-3	≤2.0 & > 0[1] in. wc					STBY	STBY	Stby
		PDI-819-4	≤2.0 & > 0[1] in. wc					STBY	STBY	Stby
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF855) ΔP	[1]PDI-818-1	≤2.0 & > 0[1] in. wc					.24	.24	.24
		PDI-818-2	≤2.0 & > 0[1] in. wc					.30	.30	.30
		PDI-818-4	≤2.0 & > 0[1] in. wc					.30	.30	.29
		PDI-818-5	≤2.0 & > 0[1] in. wc					.30	.30	.30
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF859) ΔP	PDI-821-1	≤2.0 & > 0[1] in. wc					.41	.41	.41
		PDI-821-3	≤2.0 & > 0[1] in. wc					.48	.48	.48
		PDI-821-4	≤2.0 & > 0[1] in. wc					.40	.41	.41

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 3 of 4)

For Information Only

			Date:					2-1-19	2/2/19	02/03/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:					ZH	AH	MH
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF856) ΔP	[1]PDI-822-1	≤2.0 & > 0[1] in. wc					.13	.12	.12
		PDI-822-2	≤2.0 & > 0[1] in. wc					.60	.59	.59
		PDI-822-4	≤2.0 & > 0[1] in. wc					.42	.42	.42
		PDI-822-5	≤2.0 & > 0[1] in. wc					.60	.59	.59
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF857) ΔP	[1]PDI-823-1	≤2.0 & > 0[1] in. wc					STBY	STBY	Stby
		PDI-823-2	≤2.0 & > 0[1] in. wc					STBY	STBY	Stby
		PDI-823-4	≤2.0 & > 0[1] in. wc					STBY	STBY	Stby
		PDI-823—5	≤2.0 & > 0[1] in. wc					STBY	STBY	Stby
4.1.3.4[2]	South Basement exhaust filter plenum (FF-829) ΔP	[1]PDI-830-1	≤2.0 & > 0[1] in. wc					.16	.16	.15
		PDI-830-2	≤2.0 & > 0[1] in. wc					.10	.10	.10
		PDI-830-3	≤2.0 & > 0[1] in. wc					.09	.09	.09
4.1.1.7[2]	300 area re-circulation filter plenum (HVP-805) ΔP	[1]PDI-836-1	≤2.0 & > 0[1] in. wc					.06	.06	.06
		PDI-836-2	≤2.0 & > 0[1] in. wc					.65	.65	.65
		PDI-836-3	≤2.0 & > 0[1] in. wc					.65	.64	.64
	300 area re-circulation filter plenum (HVP-806) ΔP	[1]PDI-837-1	≤2.0 & > 0[1] in. wc					.04	.04	.04
		PDI-837-2	≤2.0 & > 0[1] in. wc					.49	.49	.48
		PDI-837-3	≤2.0 & > 0[1] in. wc					.45	.45	.45

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 4 of 4)

FOR Information Only

			Date:					2-1-19	2/2/19	02/03/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:					ZH	AH	MA
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.1.7[2]	400 area re-circulation filter plenum (HVP-807) ΔP	[1]PDI-838-1	≤2.0 & > 0[1] in. wc					.55	.54	.55
		PDI-838-2	≤2.0 & > 0[1] in. wc					.59	.58	.58
		PDI-838-3	≤2.0 & > 0[1] in. wc					.59	.59	.59
	400 area re-circulation filter plenum (HVP-808) ΔP	[1]PDI-839-1	≤2.0 & > 0[1] in. wc					.39	.39	.39
		PDI-839-2	≤2.0 & > 0[1] in. wc					.51	.51	.51
		PDI-839-3	≤2.0 & > 0[1] in. wc					.51	.51	.51
4.1.3.4[2]	South Bleed off filter plenum (FF-822A) ΔP	[1]PDI-810-1	≤2.0 & > 0[1] in. wc					.17	.17	.16
		PDI-810-2	≤2.0 & > 0[1] in. wc					.58	.58	.56
		PDI-810-3	≤2.0 & > 0[1] in. wc					.52	.52	.51
4.1.3.4[2]	South Bleed off filter plenum (FF-822B) ΔP	[1]PDI -811 - 1	≤2.0 & > 0[1] in. wc					OFF	OFF	off
		PDI -811 -2	≤2.0 & > 0[1] in. wc					OFF	OFF	off
		PDI -811 -3	≤2.0 & > 0[1] in. wc					OFF	OFF	off
			Completion Time					1004	0720	0745
OC Operator Review and Page Count Complete (initials)								MM	MM	MM

[1] Non TSR requirement
[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR 4.1.3.4 apply during both Mode 1 and Mode 2 as stated in LCO 3.1.3.

Completed by: Michael Todd Date 2/3/19 Time 0745 Reviewed by: _____ Date: 2/4/2019 Time: 0633
On-duty Supervisor

Comments 4.4.1-1 needs calibration

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 1 of 5)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

For Information Only

			Date:					2-1-19	2/2/19	2/3/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:					PT	DH	MWS
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.1.7[2]	Vault re-circulation filter plenum (HVP-811) ΔP Vault re-circulation filter plenum (HVP-812) ΔP	[1]PDI-840-1	≤2.0 & > 0[1] in. wc					STBY	STBY	Stby
		PDI-840-2	≤2.0 & > 0 in[1]. wc					STBY	STBY	Stby
		PDI-840-3	≤2.0 & > 0[1] in. wc					STBY	STBY	Stby
		[1]PDI-841-1	≤2.0 & > 0[1] in. wc					.46	.46	.46
		PDI-841-2	≤2.0 & > 0[1] in. wc					.58	.58	.58
		PDI-841-3	≤2.0 & > 0[1] in. wc					.51	.51	.51
	200 area re-circulation filter plenum (HVP-801) ΔP	[1]PDI-831-1	≤2.0 & > 0[1] in. wc					.33	.33	.33
		PDI-831-2	≤2.0 & > 0[1] in. wc					.41	.41	.41
		PDI-831-3	≤2.0 & > 0[1] in. wc					.39	.39	.39
	200 area re-circulation filter plenum (HVP-802) ΔP	[1]PDI-832-1	≤2.0 & > 0[1] in. wc					.45	.45	.44
		PDI-832-2	≤2.0 & > 0[1] in. wc					.68	.68	.65
		PDI-832-3	≤2.0 & > 0[1] in. wc					.61	.61	.61
4.1.3.4[2]	North Bleed off filter plenum (FF-820A) ΔP	[1]PDI-807-1	≤2.0 & > 0[1] in. wc					.11	.12	.12
		PDI-807-2	≤2.0 & > 0[1] in. wc					.52	.52	.52
		PDI-807-3	≤2.0 & > 0[1] in. wc					.51	.50	.50
4.1.3.4[2]	North Bleed off filter plenum (FF-820B) ΔP	[1]PDI-809-1	≤2.0 & > 0[1] in. wc					OFF	OFF	Off
		PDI-809-2	≤2.0 & > 0[1] in. wc					OFF	OFF	Off
		PDI-809-3	≤2.0 & > 0[1] in. wc					OFF	OFF	Off

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 2 of 5)

			Date:					2-1-19	2/2/19	2/3/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:					PT	DH	mmb
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	North Basement exhaust filter plenum (FF-828) ΔP	[1]PDI-829-1	≤2.0 & > 0[1] in. wc					.35	.35	.35
		PDI-829-2	≤2.0 & > 0[1] in. wc					.51	.51	.51
		PDI-829-3	≤2.0 & > 0[1] in. wc					.41	.42	.42
4.1.1.7[2]	100 area re-circulation filter plenum (HVP-803) ΔP	[1]PDI-833-1	≤2.0 & > 0[1] in. wc					.07	.07	.08
		PDI-833-2	≤2.0 & > 0[1] in. wc					.53	.52	.52
		PDI-833-3	≤2.0 & > 0[1] in. wc					.51	.51	.50
	100 area re-circulation filter plenum (HVP-804) ΔP	[1]PDI-835-1	≤2.0 & > 0[1] in. wc					.05	.05	.05
		PDI-835-2	≤2.0 & > 0[1] in. wc					.50	.49	.49
		PDI-835-3	≤2.0 & > 0[1] in. wc					.50	.50	.50
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF852) ΔP	[1]PDI-815-1	≤2.0 & > 0[1] in. wc					.28	.28	.28
		PDI-815-2	≤2.0 & > 0[1] in. wc					.58	.58	.58
		PDI-815-4	≤2.0 & > 0[1] in. wc					.50	.50	.50
		PDI-815-5	≤2.0 & > 0[1] in. wc					.50	.50	.50
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF853) ΔP	[1]PDI-816-1	≤2.0 & > 0[1] in. wc					STBY	STBY	stby
		PDI-816-2	≤2.0 & > 0[1] in. wc					STBY	STBY	stby
		PDI-816-4	≤2.0 & > 0[1] in. wc					STBY	STBY	stby
		PDI-816-5	≤2.0 & > 0[1] in. wc					STBY	STBY	stby

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 3 of 5)

			Date:					2-1-19	2/2/19	02/03/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:					PT	DH	mm
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF850) ΔP	[1]PDI-812-1	≤2.0 & > 0[1] in. wc					.13	.12	.12
		PDI-812-2	≤2.0 & > 0[1] in. wc					.30	.30	.29
		PDI-812-3	≤2.0 & > 0[1] in. wc					.30	.29	.28
		PDI-812-4	≤2.0 & > 0[1] in. wc					.29	.09	.29
		PDI-812-5	≤2.0 & > 0[1] in. wc					.31	.31	.31
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF851) ΔP	[1]PDI-813-1	≤2.0 & > 0[1] in. wc					STBY	STBY	stby
		PDI-813-2	≤2.0 & > 0[1] in. wc					STBY	STBY	stby
		PDI-813-3	≤2.0 & > 0[1] in. wc					STBY	STBY	stby
		PDI-813-4	≤2.0 & > 0[1] in. wc					STBY	STBY	stby
		PDI-813-5	≤2.0 & > 0[1] in. wc					STBY	STBY	stby
4.1.3.4[2]	IFIT exhaust filter plenum (FF-865) ΔP	[1]PDI-865-1	≤2.0 & > 0[1] in. wc					.02	.02	.02
		PDI-865-2	≤2.0 & > 0[1] in. wc					.39	.39	.39
		PDI-865-3	≤2.0 & > 0[1] in. wc					.32	.31	.32
4.1.3.4[2]	IFIT supply filter plenum (HVP-863) ΔP	[1]PDI-863-1	≤2.0 & > 0[1] in. wc					.05	.05	.05
		PDI-863-2	≤2.0 & >0[1] in. wc					.29	.29	.38

For information only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

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For Information Only

			Date:					2-1-19	2/2/19	02/03/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:					PT	DH	mt
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS**						
4.1.3.4[2]	North Basement supply filter plenum (HVP-840) ΔP	[1]PDI-857-1	≤ 2.0 & > 0[1] in. wc					.10	.10	.18
		PDI-857-2	≤2.0 & > 0[1] in. wc					.42	.42	.43
4.1.3.4[2]	North corridor supply filter plenum (HVP-809) ΔP	[1]PDI-856-1	≤2.0 & > 0[1] in. wc					.04	.04	.04
		PDI-856-2	≤2.0 & > 0[1] in. wc					.53	.54	.54
[1]NA	**Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C**		**0 lb/ft² combustibles in designated exclusion area (within 15 feet of fans)**					SAT	SAT	Sat
4.3.2.2[2]	Room 201		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less					SAT	SAT	Sat
4.3.2.2[2]	Room 204		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less					SAT	SAT	Sat

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 5 of 5)

			Date:					2-1-19	2/2/19	02/03/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:					PT	DH	MW
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS**						
4.3.2.2[2]	Room 206		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less					SAT	SAT	SAT
4.3.2.2[2]	Room 207		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less					SAT	SAT	SAT
			Completion time					1036	0817	0617
			OC Operator Review and Page Count Complete (initials)					CS	a	MW

[1] Non TSR requirement

[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR's 4.1.3.4 and 4.3.2.2 apply during both Mode 1 and Mode 2.

Note: Rooms 201, 206 & 207 **must be** entered for surveillance even if they are red lit, room 204 can be viewed through the window. Notify the Operations Center of any rooms that are unable to be entered for the performance of rounds, Operations Center will make a logbook entry recording the room(s) and reason(s) for non-entry. Document in the comments section any room(s) and reason(s) they were unable to be entered for rounds.

Completed by: Michael M. Irish Date 2/3/19 Time 0630 Reviewed by: _____ Date: 2/4/2019 Time: 0633

On-duty Supervisor

Comments: _____

FOR Information Only

ATTACHMENT C: Non-PF-4 Daily Surveillance Rounds [UET]

(Page 1 of 1)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

M&TE Calibrated Data						
Record September through April only	PF-10 Thermometer File No.:	039746	PF-10 Thermistor File No.:	103765	V-701 Thermistor File No.:	103761
	Calibration Expiration Date:	6/15/19	Calibration Expiration Date:	7/23/19	Calibration Expiration Date:	7/23/19
	PF-11 Thermometer File No.:	039745	PF-11 Thermistor File No.:	~~103~~ 105353 (8/1/19)	V-704 Thermistor File No.:	040375
	Calibration Expiration Date:	6/15/19	Calibration Expiration Date:	8/7/19	Calibration Expiration Date:	8/7/19

PF-10 & PF-11 Pump house Room Temperature and V-701 & V-704 Fire Water Storage Tank Temperature									
Daily (September through April only)		Date:					2/1/19	2/2/19	2/3/19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:					[illegible]	[illegible]	[illegible]
SR	**Description**	**Acceptance Criteria**							
NA	ENSURE *M&TE Calibration Data* above is recorded and calibration dates have not elapsed.	Calibration dates have not elapsed.	SAT /UNSAT	SAT /UNSAT	SAT /UNSAT	SAT /UNSAT	(SAT) UNSAT	(SAT) UNSAT	(SAT) UNSAT
4.3.1.1[1]	RECORD fire water storage tank V-701 temperature	≥ 42.1 F					49.9	49.1	48.8
4.3.1.1[1]	RECORD fire water storage tank V-704 temperature	≥ 42.1 F					54.3	53.7	53.1
4.3.1.3[1]	RECORD PF-10 room temperature	≥ 50.1 F					62.9	64.0	64.5
4.3.1.3[1]	RECORD PF-11 room temperature	≥ 50.1 F					67.5	66.0	66.2
		Completion Time:					0842	0810	0715
	OC Operator Review and Page Count Complete (initials)						[illegible]	[illegible]	[illegible]

[1] Temperatures should be recorded using Reference Thermometer FLUKE Model 1524 connected to Thermistor Probe Fluke Model 5610-9 (or approved engineered equivalent).

Completed by: [signature] Date 2/3/19 Time 0915

Reviewed by: [signature] Date: 2/4/2019 Time: 0633

On-duty Supervisor

Comments:

Knolls Information Only

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 1 of 3)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

Note: Gauge readings should be taken on rack #4 in the OC. whenever possible. Document if alternate PDIs are used.		Date:	2/4/19		2/5/19		2/6/19		2/7/19		2/8/19		2/9/19		2/10/19	
		Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
		Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
		Initials:	[illegible]	BC	[illegible]	BC	[illegible]	ARJ	[illegible]	ARJ	[illegible]	BC	[illegible]	BC	[illegible]	BC
SRs	**Description**	**Gauge Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**													
4.1.1.1 4.1.2.1[2]	200 area glovebox exhaust header ΔP	PDI-814-1 or PDI-814-2 ≤-1.0 in. wc[1]	-2.00	-2.01	-1.99	-1.99	-2.01	-2.00	-1.99	-2.00	-2.02	-2.01	-1.99	-2.02	-2.00	-2.01
	100 area glovebox exhaust header ΔP	PDI-820-1 or PDI-820-2 ≤-1.0 in. wc[1]	-1.94	-1.94	-1.94	-1.94	-1.94	-1.95	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94
	300 area glovebox exhaust header ΔP	PDI-870-1 or PDI-870-2 ≤-1.0 in. wc[1]	-2.01	-2.00	-2.01	-2.01	-2.01	-2.02	-2.01	-2.00	-2.01	-2.01	-2.01	-2.00	-2.01	-2.00
	400 area glovebox exhaust header ΔP	PDI-864-1 or PDI-864-2 ≤-1.0 in. wc[1]	-2.03	-2.03	-2.03	-2.03	-2.02	-2.04	-2.04	-2.02	-2.02	-2.03	-2.03	-2.02	-2.03	-2.02
4.1.1.2 4.1.1.5 4.1.2.2[2]	200 area laboratory header ΔP	PDI-803-1 or PDI-803-2 ≤-0.05 in. wc[1]	-.20	-.21	-.20	-.21	-.20	-.21	-.20	-.20	-.19	-.20	-.20	-.20	-.20	-.20
	100 area laboratory header ΔP	PDI-802-1 or PDI-802-2 ≤-0.05 in. wc[1]	-.25	-.25	-.25	-.26	-.25	-.25	-.25	-.24	-.24	-.25	-.25	-.24	-.25	-.24
	300 area laboratory header ΔP	PDI-853-1 or PDI-853-2 ≤-0.05 in. wc[1]	-.21	-.20	-.20	-.20	-.19	-.20	-.19	-.19	-.20	-.21	-.20	-.21	-.20	-.21
	400 area laboratory header ΔP	PDI-852-1 or PDI-852-2 ≤-0.05 in. wc[1]	-.20	-.19	-.20	-.19	-.19	-.19	-.19	-.19	-.19	-.20	-.19	-.21	-.20	-.21
	IFIT Facility ΔP	PDI-865-4 or PDI-865-5 ≤-0.05 in. wc	-.15	-.15	-.15	-.15	-.15	-.15	-.15	-.15	-.15	-.15	-.15	-.15	-.15	-.15
4.1.1.3 4.1.2.3[2]	North basement ΔP	PDI-804-1 or PDI-804-2 < 0.00 in. wc	-.09	-.09	-.09	-.09	-.10	-.09	-.08	-.08	-.09	-.09	-.09	-.10	-.09	-.10
	South basement ΔP	PDI-854-1 or PDI-854-2 < 0.00 in. wc	-.08	-.08	-.08	-.08	-.09	-.08	-.08	-.08	-.08	-.08	-.08	-.09	-.08	-.09
	IRT Tunnel ΔP	PDT-901 or PDI-901 < 0.00 in. wc	-.15	-.15	-.086	-.093	-.097	-.081	-.082	-.097	-.096	-.097	-.095	-.101	-.084	-.097

For Information Only

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 2 of 3)

Note Readings should be taken using FCS screens FMT#151,152,201LD and 202LD. Field verification and local plenum PDI's may be used if FCS is unavailable.			Date:	2/4/19		2/5/19		2/6/19		2/7/19		2/8/19		2/9/19		2/10/19	
			Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
			Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
			Initials:	[illegible]	BC	[illegible]	BC	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	BC	[illegible]	BC	[illegible]	BC
SRs	**Description**	**Readings**	**Acceptance Criteria**	**SURVEILLANCE RESULTS Sat / Unsat (circle one)**													
4.1.1.6	**200 area re-circulation fan/ plenum**	FR-801 Icon red and PDT-831 ΔP >.050 or FR-802 Icon red and PDT-832 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	100 area re-circulation fan/ plenum	FR-803 Icon red and PDT-833 ΔP >.050 or FR-804 Icon red and PDT-835 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	300 area re-circulation fan/ plenum	FR-805 Icon red and PDT-836 ΔP >.050 or FR-806 Icon red and PDT-837 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	400 area re-circulation fan/ plenum	FR-807 Icon red and PDT-838 ΔP >.050 or FR-808 Icon red and PDT-839 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	Vault re-circulation fan/ plenum	FR-811 Icon red and PDT-840 ΔP >.050 or FR-812 Icon red and PDT-841 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat

For Information Only

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 3 of 3)

Note
Gauge readings should be taken on rack #4 in the OC when possible, local PDI equivalents may be used if necessary. Document any alternate PDIs used.

				Date:	2/4/19		2/5/19		2/6/19		2/7/19		2/8/19		2/9/19		2/10/19	
				Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
				Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
				Initials:	[illegible]	BC	[illegible]	BC	[illegible]	AM	[illegible]	AM	[illegible]	BC	[illegible]	BC	[illegible]	BC
SRs	Description	Area	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS Sat / Unsat (circle one)													
4.1.1.4	Glovebox exhaust header ΔPs < laboratory ΔPs < basement ΔPs for areas 100, 200, 300 and 400	200 Area	PDI-814-2 PDI-803-2 PDI-804-2	PDI-814-2 < PDI-803-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		100 Area	PDI-820-2 PDI-802-2 PDI-804-2	PDI-820-2 < PDI-802-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		300 Area	PDI-870-2 PDI-853-2 PDI-854-2	PDI-870-2 < PDI-853-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		400 Area	PDI-864-2 PDI-852-2 PDI-854-2	PDI-864-2 < PDI-852-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		Completion Time			0715	1925	0714	1924	0736	1934	1006	1925	0717	1925	0722	1926	0716	1922
					MJW	[illegible]	MJW	[illegible]	MJW	[illegible]	MJW	[illegible]	MJW		[illegible]			

[1] Mode 2 acceptance criteria is < 0.00 in. wc.
[2] SRs 4.1.2.x only apply during Mode 2 in accordance with LCO 3.1.2.

Completed by: BC Date 2.10.19 Time 1922 Reviewed by: [signature] On-duty Supervisor Date: 2/11/2019 Time: 0818

Comments: _____

For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

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NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

SR 4.4.1.1, The OPERABILITY acceptance criterion for this surveillance is:
The FLAMMABLE GAS detector in the FSTF FLAMMABLE GAS SOURCE storage cabinet is exposed to the ambient atmosphere in the storage cabinet. The gas concentration readout directly on the detector in the storage cabinet is compared with the gas concentration readout on the system control and alarm panel. The difference between the two readings is checked to VERIFY it is in the range of (≥-0.1; ≤0.1).

		Date:	2/4/19	2/5/19	2/6/19	2/7/19	2/8/19	2/9/19	2/10/19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SR 4.4.1.1	Description / Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (percentage)						
	Flammable Gas Channel Check DET-305-3 (LCD Reading)	NA	005	005	005	005	005	005	005
	CP-305-H (LED Reading)		005	005	005	005	005	005	005
	(DET-305-3) – (CP-305H) (LCD Reading) (LED Reading)	Record Calculated Value	005	005	005	005	005	005	005
		≥ -0.1; ≤+0.1	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005
		Completion Time:	0810	0730	0805	0755	0801	0715	0734

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ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side)[UET]

(Page 2 of 4)

			Date:	2/4/19	2/5/19	2/6/19	2/7/19	2/8/19	2/9/19	2/10/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:							
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	South basement supply filter plenum (HVP-841) ΔP	[1]PDI-894-1	≤2.0 & > 0[1] in. wc	.02	.02	.02	.02	.02	.02	.02
		PDI-894-2	≤2.0 & > 0[1] in. wc	.41	.41	.41	.42	.41	.41	.42
4.1.3.4[2]	South Corridor supply (HVP-810) ΔP	[1]PDI-895-1	≤ 2.0 & > 0[1] in. wc	.04	.05	.05	.05	.05	.05	.05
		PDI-895-2	≤2.0 & > 0[1] in. wc	.71	.71	.71	.71	.71	.71	.71
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF854) ΔP	[1]PDI-817-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-817-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-817-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-817-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF858) ΔP	PDI-81 9-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-81 9-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-819-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF855) ΔP	[1]PDI-818-1	≤2.0 & > 0[1] in. wc	.24	.24	.24	.24	.24	.24	.24
		PDI-818-2	≤2.0 & > 0[1] in. wc	.30	.30	.30	.30	.30	.30	.30
		PDI-818-4	≤2.0 & > 0[1] in. wc	.29	.29	.29	.29	.29	.29	.30
		PDI-818-5	≤2.0 & > 0[1] in. wc	.30	.29	.30	.30	.30	.30	.30
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF859) ΔP	PDI-821-1	≤2.0 & > 0[1] in. wc	.42	.42	.42	42	.42	.42	.42
		PDI-821-3	≤2.0 & > 0[1] in. wc	.46	.46	.46	.46	.47	.47	.47
		PDI-821-4	≤2.0 & > 0[1] in. wc	.40	.41	.41	.40	.41	.40	.41

Uncontrolled Copy

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 3 of 4)

			Date:	2/4/19	2/5/19	2/6/19	2/7/19	2/8/19	2/9/19	2/10/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF856) ΔP	[1]PDI-822-1	≤2.0 & > 0[1] in. wc	.12	.12	.12	.12	.12	.12	.12
		PDI-822-2	≤2.0 & > 0[1] in. wc	.59	.59	.59	.59	.59	.59	.59
		PDI-822-4	≤2.0 & > 0[1] in. wc	.43	.43	.43	.43	.43	.43	.43
		PDI-822-5	≤2.0 & > 0[1] in. wc	.58	.58	.59	.59	.59	.59	.59
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF857) ΔP	[1]PDI-823-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-823-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-823-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-823—5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	South Basement exhaust filter plenum (FF-829) ΔP	[1]PDI-830-1	≤2.0 & > 0[1] in. wc	.16	.17	.20	.17	.26	.20	.23
		PDI-830-2	≤2.0 & > 0[1] in. wc	.09	.10	.11	.10	.15	.12	.12
		PDI-830-3	≤2.0 & > 0[1] in. wc	.08	.08	.09	.10	.11	.09	.10
4.1.1.7[2]	300 area re-circulation filter plenum (HVP-805) ΔP	[1]PDI-836-1	≤2.0 & > 0[1] in. wc	.06	.06	.06	.06	.06	.06	.06
		PDI-836-2	≤2.0 & > 0[1] in. wc	.65	.65	.65	.65	.65	.65	.65
		PDI-836-3	≤2.0 & > 0[1] in. wc	.64	.64	.64	.64	.64	.64	.64
	300 area re-circulation filter plenum (HVP-806) ΔP	[1]PDI-837-1	≤2.0 & > 0[1] in. wc	.04	.04	.04	.04	.04	.04	.04
		PDI-837-2	≤2.0 & > 0[1] in. wc	.48	.48	.48	.48	.48	.48	.48
		PDI-837-3	≤2.0 & > 0[1] in. wc	.46	.46	.46	.46	.46	.46	.46

For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 4 of 4)

			Date:	2/4/19	2/5/19	2/6/19	2/7/19	2/8/19	2/9/19	2/10/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.1.7[2]	400 area re-circulation filter plenum (HVP-807) ΔP	[1]PDI-838-1	≤2.0 & > 0[1] in. wc	.55	.55	.55	.55	.55	.55	.54
		PDI-838-2	≤2.0 & > 0[1] in. wc	.58	.58	.58	.58	.58	.58	.58
		PDI-838-3	≤2.0 & > 0[1] in. wc	.59	.59	.59	.59	.59	.59	.59
	400 area re-circulation filter plenum (HVP-808) ΔP	[1]PDI-839-1	≤2.0 & > 0[1] in. wc	.39	.39	.39	.39	.39	.39	.39
		PDI-839-2	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51	.51	.51	.52
		PDI-839-3	≤2.0 & > 0[1] in. wc	.52	.52	.52	.52	.52	.52	.52
4.1.3.4[2]	South Bleed off filter plenum (FF-822A) ΔP	[1]PDI-810-1	≤2.0 & > 0[1] in. wc	.16	.17	.17	.18	.17	.16	.17
		PDI-810-2	≤2.0 & > 0[1] in. wc	.55	.58	.57	.59	.58	.55	.55
		PDI-810-3	≤2.0 & > 0[1] in. wc	.51	.53	.51	.55	.53	.51	.51
4.1.3.4[2]	South Bleed off filter plenum (FF-822B) ΔP	[1]PDI -811 - 1	≤2.0 & > 0[1] in. wc	off	off	off	off	off	off	OFF
		PDI -811 -2	≤2.0 & > 0[1] in. wc	off	off	off	off	off	off	OFF
		PDI -811 -3	≤2.0 & > 0[1] in. wc	off	off	off	off	off	off	OFF
			Completion Time	0959	0859	0930	0900	0810	0815	0750
OC Operator Review and Page Count Complete (initials)				[illegible] MJW	[illegible] MJW	[illegible] JSL MJW	[illegible] MJW MJW	[illegible] MJW	[illegible]	[illegible]

[1] Non TSR requirement
[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR 4.1.3.4 apply during both Mode 1 and Mode 2 as stated in LCO 3.1.3.

Completed by: [illegible] Date 2/10/19 Time 0754 Reviewed by: [illegible] Date: 2/11/2019 Time: 0820
On-duty Supervisor

Comments 1/4/19 4.4.1.1. out of Service. Needs to be calibrated.

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 1 of 5)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

			Date:	2/4/19	2/5/19	2-6-19	2/7/19	2/8/19	2/9/19	2/10/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	[illegible]	[illegible]	PT	[illegible]	[illegible]	[illegible]	[illegible]
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.1.7[2]	Vault re-circulation filter plenum (HVP-811) ΔP Vault re-circulation filter plenum (HVP-812) ΔP	[1]PDI-840-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-840-2	≤2.0 & > 0 in[1] wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-840-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		[1]PDI-841-1	≤2.0 & > 0[1] in. wc	.46	.46	.46	.46	.46	.47	.46
		PDI-841-2	≤2.0 & > 0[1] in. wc	.57	.57	.58	.58	.58	.58	.57
		PDI-841-3	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51	.51	.51	.51
	200 area re-circulation filter plenum (HVP-801) ΔP	[1]PDI-831-1	≤2.0 & > 0[1] in. wc	.33	.33	.33	.33	.33	.33	.33
		PDI-831-2	≤2.0 & > 0[1] in. wc	.41	.41	.41	.41	.41	.42	.42
		PDI-831-3	≤2.0 & > 0[1] in. wc	.40	.39	.39	.39	.39	.39	.39
	200 area re-circulation filter plenum (HVP-802) ΔP	[1]PDI-832-1	≤2.0 & > 0[1] in. wc	.44	.44	.44	.44	.44	.45	.45
		PDI-832-2	≤2.0 & > 0[1] in. wc	.66	.66	.66	.66	.65	.65	.65
		PDI-832-3	≤2.0 & > 0[1] in. wc	.61	.61	.61	.61	.61	.61	.61
4.1.3.4[2]	North Bleed off filter plenum (FF-820A) ΔP	[1]PDI-807-1	≤2.0 & > 0[1] in. wc	.12	.12	.12	.12	.12	.11	.11
		PDI-807-2	≤2.0 & > 0[1] in. wc	.52	.54	.54	.54	.55	.53	.53
		PDI-807-3	≤2.0 & > 0[1] in. wc	.50	.50	.51	.51	.51	.51	.51
4.1.3.4[2]	North Bleed off filter plenum (FF-820B) ΔP	[1]PDI-809-1	≤2.0 & > 0[1] in. wc	off	off	OFF	off	off	off	off
		PDI-809-2	≤2.0 & > 0[1] in. wc	off	off	OFF	off	off	off	off
		PDI-809-3	≤2.0 & > 0[1] in. wc	off	off	OFF	off	off	off	off

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 2 of 5)

			Date:	2/4/19	2/5/19	2-6-19	2/7/19	2/8/19	2/9/19	2/10/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:			PT				
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	North Basement exhaust filter plenum (FF-828) ΔP	[1]PDI-829-1	≤2.0 & > 0[1] in. wc	.36	.36	.35	.40	.34	.34	.34
		PDI-829-2	≤2.0 & > 0[1] in. wc	.52	.52	.53	.58	.51	.50	.51
		PDI-829-3	≤2.0 & > 0[1] in. wc	.43	.44	.45	.48	.42	.42	.41
4.1.1.7[2]	100 area re-circulation filter plenum (HVP-803) ΔP	[1]PDI-833-1	≤2.0 & > 0[1] in. wc	.07	.07	.07	.07	.07	.07	.07
		PDI-833-2	≤2.0 & > 0[1] in. wc	.54	.54	.54	.54	.54	.54	.54
		PDI-833-3	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51	.51	.51	.51
	100 area re-circulation filter plenum (HVP-804) ΔP	[1]PDI-835-1	≤2.0 & > 0[1] in. wc	.05	.05	.05	.05	.05	.05	.05
		PDI-835-2	≤2.0 & > 0[1] in. wc	.49	.49	.49	.49	.49	.49	.49
		PDI-835-3	≤2.0 & > 0[1] in. wc	.50	.50	.50	.50	.50	.50	.50
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF852) ΔP	[1]PDI-815-1	≤2.0 & > 0[1] in. wc	.26	.26	.28	.26	.26	.26	.26
		PDI-815-2	≤2.0 & > 0[1] in. wc	.58	.58	.58	.58	.58	.58	.58
		PDI-815-4	≤2.0 & > 0[1] in. wc	.49	.49	.50	.47	.49	.49	.49
		PDI-815-5	≤2.0 & > 0[1] in. wc	.50	.50	.50	.50	.50	.50	.50
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF853) ΔP	[1]PDI-816-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-816-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-816-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-816-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 3 of 5)

			Date:	2/4/19	2/5/19	2-6-19	2/7/19	2/8/19	2/9/19	2/10/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:			PT				
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF850) ΔP	[1]PDI-812-1	≤2.0 & > 0[1] in. wc	.12	.12	.12	.12	.12	.12	.12
		PDI-812-2	≤2.0 & > 0[1] in. wc	.30	.30	.30	.30	.30	.30	.30
		PDI-812-3	≤2.0 & > 0[1] in. wc	.30	.30	.30	.30	.30	.30	.30
		PDI-812-4	≤2.0 & > 0[1] in. wc	.29	.29	.29	.29	.29	.29	.29
		PDI-812-5	≤2.0 & > 0[1] in. wc	.32	.32	.32	.33	.33	.33	.33
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF851) ΔP	[1]PDI-813-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-813-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-813-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-813-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-813-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	IFIT exhaust filter plenum (FF-865) ΔP	[1]PDI-865-1	≤2.0 & > 0[1] in. wc	.02	.02	.02	.02	.02	.02	.02
		PDI-865-2	≤2.0 & > 0[1] in. wc	.38	.37	.39	.38	.38	.38	.38
		PDI-865-3	≤2.0 & > 0[1] in. wc	.31	.32	.32	.32	.32	.32	.32
4.1.3.4[2]	IFIT supply filter plenum (HVP-863) ΔP	[1]PDI-863-1	≤2.0 & > 0[1] in. wc	.05	.05	.05	.05	.05	.05	.05
		PDI-863-2	≤2.0 & >0[1] in. wc	.30	.30	.30	.29	.29	.29	.29

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 4 of 5)

			Date:	2/4/19	2/5/19	2-6-19	2/7/19	2/8/19	2/9/19	2/10/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:			PT				
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS						
4.1.3.4[2]	North Basement supply filter plenum (HVP-840) ΔP	[1]PDI-857-1	≤ 2.0 & > 0[1] in. wc	.12	.12	.10	.10	.10	.11	.11
		PDI-857-2	≤2.0 & > 0[1] in. wc	.43	.43	.42	.42	.42	.43	.43
4.1.3.4[2]	North corridor supply filter plenum (HVP-809) ΔP	[1]PDI-856-1	≤2.0 & > 0[1] in. wc	.04	.04	.04	.04	.04	.04	.04
		PDI-856-2	≤2.0 & > 0[1] in. wc	.55	.54	.54	.54	.54	.54	.53
[1]NA	Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C		0 lb/ft² combustibles in designated exclusion area (within 15 feet of fans)	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 201		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 204		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 5 of 5)

			Date:	2/4/19	2/5/19	2-6-19	2/7/19	2/8/19	2/9/19	2/10/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:			PT/				
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS**						
4.3.2.2[2]	Room 206		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 207		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
			Completion time	1030	0850	0915	0930	0800	0750	0730
			OC Operator Review and Page Count Complete (initials)	MJW	MJW	MJW	MJW	MJW		

[1] Non TSR requirement

[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR's 4.1.3.4 and 4.3.2.2 apply during both Mode 1 and Mode 2.

Note: Rooms 201, 206 & 207 **must be** entered for surveillance even if they are red lit, room 204 can be viewed through the window. Notify the Operations Center of any rooms that are unable to be entered for the performance of rounds, Operations Center will make a logbook entry recording the room(s) and reason(s) for non-entry. Document in the comments section any room(s) and reason(s) they were unable to be entered for rounds.

Completed by: [signature] Date 2/10/19 Time 0730 Reviewed by: _____ Date: 2/11/2019 Time: 0821

On-duty Supervisor

Comments: _____

FOR INFORMATION ONLY

ATTACHMENT C: Non-PF-4 Daily Surveillance Rounds [UET]

(Page 1 of 1)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

M&TE Calibrated Data						
Record September through April only	PF-10 Thermometer File No.:	039746	PF-10 Thermistor File No.:	103765	V-701 Thermistor File No.:	103761
	Calibration Expiration Date:	6/15/19	Calibration Expiration Date:	7/23/19	Calibration Expiration Date:	7/23/19
	PF-11 Thermometer File No.:	039745	PF-11 Thermistor File No.:	105353	V-704 Thermistor File No.:	040375
	Calibration Expiration Date:	6/15/19	Calibration Expiration Date:	8/7/19	Calibration Expiration Date:	8/7/19

PF-10 & PF-11 Pump house Room Temperature and V-701 & V-704 Fire Water Storage Tank Temperature									
Daily (September through April only)		Date:	2/4/19	2-5-19	2/6/19	2/7/19	2/8/19	2/9/19	2/10/19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	TH	PT	TH	TH	SO	TH	
SR	Description	Acceptance Criteria							
NA	ENSURE *M&TE Calibration Data* above is recorded and calibration dates have not elapsed.	Calibration dates have not elapsed.	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT
4.3.1.1[1]	RECORD fire water storage tank V-701 temperature	≥ 42.1 F	48.1	47.7	47.0	44.6*	52.1	48.3	51.2
4.3.1.1[1]	RECORD fire water storage tank V-704 temperature	≥ 42.1 F	52.3	51.4	50.4	49.8	45.7	54.3	53.3
4.3.1.3[1]	RECORD PF-10 room temperature	≥ 50.1 F	65.2	64.3	63.2	57.9	60.9	63.5	65.5
4.3.1.3[1]	RECORD PF-11 room temperature	≥ 50.1 F	67.0	67.5	69.3	69.9	70.7	69.8	71.2
		Completion Time:	0855	0800	0833	0834	0839	0836	0935
	OC Operator Review and Page Count Complete (initials)		MJW	MJW	MJW JSC	MJW	MJW		

[1] Temperatures should be recorded using Reference Thermometer FLUKE Model 1524 connected to Thermistor Probe Fluke Model 5610-9 (or approved engineered equivalent).

Completed by: _____ Date 2/10/19 Time 0935

Reviewed by: _____ Date: 2/11/2019 Time: 0823

On-duty Supervisor

Comments: *Turned up Boilers to 65° in PF-10 TH 200955.

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ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 1 of 3)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

Note
Gauge readings should be taken on rack #4 in the OC. whenever possible. Document if alternate PDIs are used.

		Date:	2/11/19		2/12/19		2/13/19		2/14/19		2/15/19		2/16/19		2/17/19	
		Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
		Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
		Initials:	M	JSC	M	[illegible]	M	ARJ	[illegible]	[illegible]	[illegible]	[illegible]	ARJ	[illegible]	ARJ	[illegible]
SRs	**Description**	**Gauge Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**													
4.1.1.1 4.1.2.1[2]	200 area glovebox exhaust header ΔP	PDI-814-1 or PDI-814-2 ≤-1.0 in. wc[1]	-1.99	-2.00	-2.00	-2.02	-2.01	-2.00	-2.02	-2.01	-2.01	-2.00	-2.00	-2.00	-2.01	-2.01
	100 area glovebox exhaust header ΔP	PDI-820-1 or PDI-820-2 ≤-1.0 in. wc[1]	-1.94	-1.96	-1.94	-1.94	-1.95	-1.94	-1.94	-1.94	-1.96	-1.94	-1.95	-1.95	-1.95	-1.94
	300 area glovebox exhaust header ΔP	PDI-870-1 or PDI-870-2 ≤-1.0 in. wc[1]	-2.01	-2.04	-2.03	-2.01	-2.00	-2.01	-2.00	-2.02	-2.01	-2.01	-2.00	-2.01	-2.01	-2.02
	400 area glovebox exhaust header ΔP	PDI-864-1 or PDI-864-2 ≤-1.0 in. wc[1]	-2.02	-2.01	-2.05	-2.03	-2.03	-2.02	-2.02	-2.03	-2.03	-2.03	-2.00	-2.03	-2.03	-2.02
4.1.1.2 4.1.1.5 4.1.2.2[2]	200 area laboratory header ΔP	PDI-803-1 or PDI-803-2 ≤-0.05 in. wc[1]	-0.20	-0.17	-0.19	-0.20	-0.20	-.20	-.20	-.20	-.22	-.19	-.20	-.20	-.20	-.20
	100 area laboratory header ΔP	PDI-802-1 or PDI-802-2 ≤-0.05 in. wc[1]	-0.25	-0.22	-0.23	-0.25	-0.25	-.24	-.25	-.25	-.26	-.24	-.24	-.24	-.25	-.25
	300 area laboratory header ΔP	PDI-853-1 or PDI-853-2 ≤-0.05 in. wc[1]	-0.21	-0.17	-0.17	-0.20	-0.21	-.18	-.20	-.20	-.20	-.19	-.20	-.19	-.20	-.20
	400 area laboratory header ΔP	PDI-852-1 or PDI-852-2 ≤-0.05 in. wc[1]	-0.22	-0.16	-0.17	-0.19	-0.20	-.18	-.20	-.20	-.19	-.19	-.20	-.18	-.20	-.20
	IFIT Facility ΔP	PDI-865-4 or PDI-865-5 ≤-0.05 in. wc	-0.15	-0.15	-0.15	-0.15	-0.15	-.15	-.15	-.15	-.15	-.15	-.15	-.15	-.15	-.15
4.1.1.3 4.1.2.3[2]	North basement ΔP	PDI-804-1 or PDI-804-2 < 0.00 in. wc	-0.09	-0.09	-0.09	-0.09	-0.09	-.10	-.09	-.09	-.09	-.09	-.10	-.10	-.09	-.10
	South basement ΔP	PDI-854-1 or PDI-854-2 < 0.00 in. wc	-0.08	-0.09	-0.09	-0.08	-0.08	-.08	-.08	-.08	-.09	-.08	-.09	-.09	-.08	-.08
	IRT Tunnel ΔP	PDT-901 or PDI-901 < 0.00 in. wc	-.088	-0.092	-.075	-0.088	-0.090	-.088	-.096	-.091	-.080	-.090	-.055	-.089	-.086	-.078

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ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 2 of 3)

Note Readings should be taken using FCS screens FMT#151,152,201LD and 202LD. Field verification and local plenum PDI's may be used if FCS is unavailable.			Date:	2/11/19		2/12/19		2/13/19		2/14/19		2/15/19		2/16/19		2/17/19	
			Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
			Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
			Initials:	M	JSL	M	[illegible]	M	AFJ	[illegible]	[illegible]	[illegible]	[illegible]	AFJ	[illegible]	AFJ	[illegible]
SRs	**Description**	**Readings**	**Acceptance Criteria**	**SURVEILLANCE RESULTS Sat / Unsat (circle one)**													
4.1.1.6	**200 area re-circulation fan/ plenum**	FR-801 Icon red and PDT-831 ΔP >.050 or FR-802 Icon red and PDT-832 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	100 area re-circulation fan/ plenum	FR-803 Icon red and PDT-833 ΔP >.050 or FR-804 Icon red and PDT-835 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	300 area re-circulation fan/ plenum	FR-805 Icon red and PDT-836 ΔP >.050 or FR-806 Icon red and PDT-837 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	400 area re-circulation fan/ plenum	FR-807 Icon red and PDT-838 ΔP >.050 or FR-808 Icon red and PDT-839 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	Vault re-circulation fan/ plenum	FR-811 Icon red and PDT-840 ΔP >.050 or FR-812 Icon red and PDT-841 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat

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ATTACHMENT A: Per Shift Surveillance Rounds [UET]

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Note
Gauge readings should be taken on rack #4 in the OC when possible, local PDI equivalents may be used if necessary. Document any alternate PDIs used.

				Date:	2/11/19		2/12/19		2/13/19		2/14/19		2/15/19		7/16/19		8/17/19	
				Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
				Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
				Initials:	M	JSC	M	[illegible]	M	ARJ	C	[illegible]	[illegible]	[illegible]	ARJ	[illegible]	ARJ	[illegible]
SRs	Description	Area	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS Sat / Unsat (circle one)													
4.1.1.4	Glovebox exhaust header ΔPs < laboratory ΔPs < basement ΔPs for areas 100, 200, 300 and 400	200 Area	PDI-814-2 PDI-803-2 PDI-804-2	PDI-814-2 < PDI-803-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		100 Area	PDI-820-2 PDI-802-2 PDI-804-2	PDI-820-2 < PDI-802-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		300 Area	PDI-870-2 PDI-853-2 PDI-854-2	PDI-870-2 < PDI-853-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		400 Area	PDI-864-2 PDI-852-2 PDI-854-2	PDI-864-2 < PDI-852-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		Completion Time			0735	JSC 2/11/19 1938	0730	1971	0721	1931	0719	1932	0726	1928	0730	1930	0736	1933
					MJW	JC	MJW		MJW		MJW		a		a			

[1] Mode 2 acceptance criteria is < 0.00 in. wc.

[2] SRs 4.1.2.x only apply during Mode 2 in accordance with LCO 3.1.2.

Completed by: [signature] Date 2/17/19 Time 1933 Reviewed by: [signature] On-duty Supervisor Date: 2/20/2019 Time: 0638

Comments: _____

For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

SR 4.4.1.1, The OPERABILITY acceptance criterion for this surveillance is:
The FLAMMABLE GAS detector in the FSTF FLAMMABLE GAS SOURCE storage cabinet is exposed to the ambient atmosphere in the storage cabinet. The gas concentration readout directly on the detector in the storage cabinet is compared with the gas concentration readout on the system control and alarm panel. The difference between the two readings is checked to VERIFY it is in the range of (≥-0.1; ≤0.1).

		Date:	2/11/19	2/12/19	2/13/19	2/14/19	2/15/19	2-16-19	2-17-19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	PT	PT
SR 4.4.1.1	Description / Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (percentage)						
	Flammable Gas Channel Check DET-305-3 (LCD Reading)	NA	005	005	005	005	005	005	005
	CP-305-H (LED Reading)		005	005	005	005	005	005	005
	(DET-305-3) – (CP-305H) (LCD Reading) (LED Reading)	Record Calculated Value	005	005	005	005	005	005	005
		≥ -0.1; ≤+0.1	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005
		Completion Time:	0845	0824	0800	0818	0710	0734	1000

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ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side)[UET]

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			Date:	2/11/19	2/12/19	2/13/19	2/14/19	2/15/19	2-16-19	2-17-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	PT	PT
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	South basement supply filter plenum (HVP-841) ΔP	[1]PDI-894-1	≤2.0 & > 0[1] in. wc	.03	.03	.03	.03	.03	.03	.03
		PDI-894-2	≤2.0 & > 0[1] in. wc	.41	.41	.41	.41	.43	.42	.42
4.1.3.4[2]	South Corridor supply (HVP-810) ΔP	[1]PDI-895-1	≤ 2.0 & > 0[1] in. wc	.05	.05	.05	.05	.05	.06	.06
		PDI-895-2	≤2.0 & > 0[1] in. wc	.71	.71	.69	.69	.71	.71	.71
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF854) ΔP	[1]PDI-817-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-817-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-817-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-817-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF858) ΔP	PDI-81 9-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-81 9-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-819-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF855) ΔP	[1]PDI-818-1	≤2.0 & > 0[1] in. wc	.24	.24	.24	.24	.24	.25	.25
		PDI-818-2	≤2.0 & > 0[1] in. wc	.30	.30	.30	.30	.30	.31	.30
		PDI-818-4	≤2.0 & > 0[1] in. wc	.30	.29	.29	.29	.30	.30	.30
		PDI-818-5	≤2.0 & > 0[1] in. wc	.30	.30	.30	.30	.30	.30	.30
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF859) ΔP	PDI-821-1	≤2.0 & > 0[1] in. wc	.42	.42	.42	.42	.42	.42	.41
		PDI-821-3	≤2.0 & > 0[1] in. wc	.46	.46	.46	.46	.48	.48	.48
		PDI-821-4	≤2.0 & > 0[1] in. wc	.41	.41	.41	.41	.40	.41	.41

For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

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			Date:	2/11/19	2/12/19	2/13/19	2/14/19	2/15/19	2-16-19	2-17-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	[illegible]	[illegible]	[illegible]	[illegible]	BH	PT	PT
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF856) ΔP	[1]PDI-822-1	≤2.0 & > 0[1] in. wc	.12	.12	.12	.12	.12	.12	.12
		PDI-822-2	≤2.0 & > 0[1] in. wc	.59	.59	.59	.59	.59	.59	.59
		PDI-822-4	≤2.0 & > 0[1] in. wc	.43	.43	.43	.43	.42	.42	.42
		PDI-822-5	≤2.0 & > 0[1] in. wc	.58	.58	.58	.58	.58	.58	.58
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF857) ΔP	[1]PDI-823-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-823-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-823-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-823—5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	South Basement exhaust filter plenum (FF-829) ΔP	[1]PDI-830-1	≤2.0 & > 0[1] in. wc	.14	.19	.21	.23	.30	.19	.23
		PDI-830-2	≤2.0 & > 0[1] in. wc	.10	.11	.11	.13	.12	.12	.12
		PDI-830-3	≤2.0 & > 0[1] in. wc	.09	.10	.09	.11	.10	.11	.11
4.1.1.7[2]	300 area re-circulation filter plenum (HVP-805) ΔP	[1]PDI-836-1	≤2.0 & > 0[1] in. wc	.06	.06	.06	.06	.06	.06	.06
		PDI-836-2	≤2.0 & > 0[1] in. wc	.65	.66	.65	.65	.65	.65	.65
		PDI-836-3	≤2.0 & > 0[1] in. wc	.63	.65	.63	.63	.62	.62	.62
	300 area re-circulation filter plenum (HVP-806) ΔP	[1]PDI-837-1	≤2.0 & > 0[1] in. wc	.04	.04	.04	.04	.04	.04	.04
		PDI-837-2	≤2.0 & > 0[1] in. wc	.48	.48	.48	.48	.49	.49	.49
		PDI-837-3	≤2.0 & > 0[1] in. wc	.45	.46	.45	.45	.45	.46	.48

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ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

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			Date:	2/11/19	2/12/19	2/13/19	2/14/19	2/15/19	2-16-19	2-17-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:					RH	PT	PT
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.1.7[2]	400 area re-circulation filter plenum (HVP-807) ΔP	[1]PDI-838-1	≤2.0 & > 0[1] in. wc	.54	.54	.55	.55	.54	.54	.54
		PDI-838-2	≤2.0 & > 0[1] in. wc	.57	.57	.59	.59	.60	.60	.60
		PDI-838-3	≤2.0 & > 0[1] in. wc	.59	.59	.59	.59	.40	.59	.59
	400 area re-circulation filter plenum (HVP-808) ΔP	[1]PDI-839-1	≤2.0 & > 0[1] in. wc	.39	.39	.39	.39	.39	.39	.39
		PDI-839-2	≤2.0 & > 0[1] in. wc	.51	.52	.51	.51	.51	.51	.51
		PDI-839-3	≤2.0 & > 0[1] in. wc	.52	.52	.51	.51	.51	.51	.52
4.1.3.4[2]	South Bleed off filter plenum (FF-822A) ΔP	[1]PDI-810-1	≤2.0 & > 0[1] in. wc	.16	.17	.17	.16	.14	.17	.17
		PDI-810-2	≤2.0 & > 0[1] in. wc	.53	.55	.59	.55	.58	.58	.58
		PDI-810-3	≤2.0 & > 0[1] in. wc	.51	.52	.53	.51	.51	.51	.51
4.1.3.4[2]	South Bleed off filter plenum (FF-822B) ΔP	[1]PDI -811 - 1	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		PDI -811 -2	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		PDI -811 -3	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
			Completion Time	0910	0836	0830	0824	0717	0729	1001
OC Operator Review and Page Count Complete (initials)				✓ ARG MJW	✓ ARG MJW	MJW JSC MJW	✓ MJW	RH 2/15/19 a	ARG ✓ a	ARG ✓

[1] Non TSR requirement
[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR 4.1.3.4 apply during both Mode 1 and Mode 2 as stated in LCO 3.1.3.

Completed by: Paul Trujillo Date 2-17-19 Time 1001 Reviewed by: _____ Date: 2/20/2019 Time: 0638
On-duty Supervisor

Comments _____

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

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NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

			Date:	2/11/19	2/12/19	2/13/19	2-14-19	2-15-19	2-16-19	2-17-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	[illegible]	[illegible]	[illegible]	PT	PT	PT	PT
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.1.7[2]	Vault re-circulation filter plenum (HVP-811) ΔP Vault re-circulation filter plenum (HVP-812) ΔP	[1]PDI-840-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-840-2	≤2.0 & > 0 in[1] wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-840-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		[1]PDI-841-1	≤2.0 & > 0[1] in. wc	.46	.46	.46	.46	.46	.46	.46
		PDI-841-2	≤2.0 & > 0[1] in. wc	.57	.58	.57	.58	.58	.58	.58
		PDI-841-3	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51	.51	.51	.51
	200 area re-circulation filter plenum (HVP-801) ΔP	[1]PDI-831-1	≤2.0 & > 0[1] in. wc	.33	.33	.33	.33	.33	.33	.33
		PDI-831-2	≤2.0 & > 0[1] in. wc	.41	.41	.41	.41	.41	.41	.41
		PDI-831-3	≤2.0 & > 0[1] in. wc	.39	.39	.39	.39	.39	.39	.39
	200 area re-circulation filter plenum (HVP-802) ΔP	[1]PDI-832-1	≤2.0 & > 0[1] in. wc	.44	.45	.45	.45	.45	.45	.45
		PDI-832-2	≤2.0 & > 0[1] in. wc	.65	.65	.65	.65	.65	.65	.65
		PDI-832-3	≤2.0 & > 0[1] in. wc	.61	.61	.61	.61	.61	.61	.61
4.1.3.4[2]	North Bleed off filter plenum (FF-820A) ΔP	[1]PDI-807-1	≤2.0 & > 0[1] in. wc	.12	.12	.12	.12	.12	.12	.12
		PDI-807-2	≤2.0 & > 0[1] in. wc	.55	.54	.55	.52	.52	.52	.52
		PDI-807-3	≤2.0 & > 0[1] in. wc	.51	.51	.51	.50	.51	.51	.51
4.1.3.4[2]	North Bleed off filter plenum (FF-820B) ΔP	[1]PDI-809-1	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		PDI-809-2	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		PDI-809-3	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

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			Date:	2/11/19	2/12/19	2/13/19	2-14-19	2-15-19	2-16-19	2-17-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:				PT	PT	PT	PT
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	North Basement exhaust filter plenum (FF-828) ΔP	[1]PDI-829-1	≤2.0 & > 0[1] in. wc	.35	.35	.37	.34	.38	.34	.35
		PDI-829-2	≤2.0 & > 0[1] in. wc	.51	.51	.53	.51	.51	.51	.51
		PDI-829-3	≤2.0 & > 0[1] in. wc	.43	.43	.44	.41	.41	.42	.42
4.1.1.7[2]	100 area re-circulation filter plenum (HVP-803) ΔP	[1]PDI-833-1	≤2.0 & > 0[1] in. wc	.07	.07	.07	.07	.07	.07	.07
		PDI-833-2	≤2.0 & > 0[1] in. wc	.53	.53	.53	.53	.53	.53	.53
		PDI-833-3	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51	.51	.51	.51
	100 area re-circulation filter plenum (HVP-804) ΔP	[1]PDI-835-1	≤2.0 & > 0[1] in. wc	.05	.05	.05	.05	.05	.05	.05
		PDI-835-2	≤2.0 & > 0[1] in. wc	.49	.49	.49	.49	.49	.49	.49
		PDI-835-3	≤2.0 & > 0[1] in. wc	.50	.50	.50	.50	.50	.50	.50
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF852) ΔP	[1]PDI-815-1	≤2.0 & > 0[1] in. wc	.27	.27	.27	.27	.28	.27	.28
		PDI-815-2	≤2.0 & > 0[1] in. wc	.58	.58	.58	.58	.58	.58	.58
		PDI-815-4	≤2.0 & > 0[1] in. wc	.49	.49	.49	.49	.45	.49	.49
		PDI-815-5	≤2.0 & > 0[1] in. wc	.51	.50	.50	.45	.49	.49	.50
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF853) ΔP	[1]PDI-816-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-816-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-816-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-816-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY

Для ознакомления

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 3 of 5)

			Date:	2/11/19	2/12/19	2/13/19	2-14-19	2-15-19	2-16-19	2-17-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	[illegible]	[illegible]	[illegible]	PT	PT	PT	PT
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF850) ΔP	[1]PDI-812-1	≤2.0 & > 0[1] in. wc	.13	.13	.13	.13	.13	.13	.13
		PDI-812-2	≤2.0 & > 0[1] in. wc	.30	.30	.30	.30	.30	.30	.30
		PDI-812-3	≤2.0 & > 0[1] in. wc	.30	.30	.30	.30	.30	.30	.30
		PDI-812-4	≤2.0 & > 0[1] in. wc	.29	.29	.29	.30	.30	.30	.30
		PDI-812-5	≤2.0 & > 0[1] in. wc	.33	.34	.34	.32	.32	.32	.34
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF851) ΔP	[1]PDI-813-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-813-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-813-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-813-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-813-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	IFIT exhaust filter plenum (FF-865) ΔP	[1]PDI-865-1	≤2.0 & > 0[1] in. wc	.02	.02	.02	.02	.02	.02	.02
		PDI-865-2	≤2.0 & > 0[1] in. wc	.38	.38	.37	.38	.39	.39	.39
		PDI-865-3	≤2.0 & > 0[1] in. wc	.32	.32	.32	.32	.32	.32	.31
4.1.3.4[2]	IFIT supply filter plenum (HVP-863) ΔP	[1]PDI-863-1	≤2.0 & > 0[1] in. wc	.05	.05	.05	.05	.05	.06	.06
		PDI-863-2	≤2.0 & >0[1] in. wc	.30	.30	.29	.30	.30	.30	.30

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 4 of 5)

			Date:	2/11/19	2/12/19	2/13/19	2-14-19	2-15-19	2-16-19	2-17-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:				PT	PT	PT	PT
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS**						
4.1.3.4[2]	North Basement supply filter plenum (HVP-840) ΔP	[1]PDI-857-1	≤2.0 & > 0[1] in. wc	.11	.10	.10	.10	.10	.10	.10
		PDI-857-2	≤2.0 & > 0[1] in. wc	.43	.43	.43	.43	.43	.42	.42
4.1.3.4[2]	North corridor supply filter plenum (HVP-809) ΔP	[1]PDI-856-1	≤2.0 & > 0[1] in. wc	.04	.04	.04	.04	.04	.04	.05
		PDI-856-2	≤2.0 & > 0[1] in. wc	.54	.54	.54	.54	.54	.54	.54
[1]NA	**Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C**		**0 lb/ft² combustibles in designated exclusion area (within 15 feet of fans)**	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 201		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 204		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 5 of 5)

			Date:	2/11/19	2/12/19	2/13/19	2-14-19	2-15-19	2-16-19	2-17-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	[illegible]	TL	[illegible]	PT	PT	PT	PT
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS**						
4.3.2.2[2]	Room 206		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 207		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
			Completion time	0855	0822	0815	0854	0711	0749	0950
			OC Operator Review and Page Count Complete (initials)	✓ APJ MJW	✓ APJ MJW	MJW JSL MJW	✓ MJW	[illegible]	APJ ✓	APJ IL

[1] Non TSR requirement

[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR's 4.1.3.4 and 4.3.2.2 apply during both Mode 1 and Mode 2.

Note: Rooms 201, 206 & 207 **must be** entered for surveillance even if they are red lit, room 204 can be viewed through the window. Notify the Operations Center of any rooms that are unable to be entered for the performance of rounds, Operations Center will make a logbook entry recording the room(s) and reason(s) for non-entry. Document in the comments section any room(s) and reason(s) they were unable to be entered for rounds.

Completed by: Paul Trujillo Date 2-17-19 Time 0950 Reviewed by: _____ Date: 2/20/2019 Time: 0639

On-duty Supervisor

Comments: _____

For Information Only

ATTACHMENT C: Non-PF-4 Daily Surveillance Rounds [UET]

(Page 1 of 1)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

M&TE Calibrated Data						
Record September through April only	PF-10 Thermometer File No.:	039746	PF-10 Thermistor File No.:	103765	V-701 Thermistor File No.:	103761
	Calibration Expiration Date:	6-15-19	Calibration Expiration Date:	7-23-19	Calibration Expiration Date:	7-23-19
	PF-11 Thermometer File No.:	039745	PF-11 Thermistor File No.:	105353	V-704 Thermistor File No.:	040375
	Calibration Expiration Date:	6-15-19	Calibration Expiration Date:	8-7-19	Calibration Expiration Date:	8-7-19

PF-10 & PF-11 Pump house Room Temperature and V-701 & V-704 Fire Water Storage Tank Temperature									
Daily (September through April only)		Date:	2-11-19	2/12/19	2/13/19	2/14/19	2-15-19	2/16/19	2/17/19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	PT	SO	BF	[illegible]	PT	[illegible]	ARJ
SR	Description	Acceptance Criteria							
NA	ENSURE *M&TE Calibration Data* above is recorded and calibration dates have not elapsed.	Calibration dates have not elapsed.	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT
4.3.1.1[1]	RECORD fire water storage tank V-701 temperature	≥ 42.1 F	53	54.3	56.0	55.7	54.3	54.5	54.4
4.3.1.1[1]	RECORD fire water storage tank V-704 temperature	≥ 42.1 F	51.4	50.3	51.4	53.0	53.8	53.7	51.2
4.3.1.3[1]	RECORD PF-10 room temperature	≥ 50.1 F	65	64.1	65.8	66.5	64.7	65.3	65.1
4.3.1.3[1]	RECORD PF-11 room temperature	≥ 50.1 F	72	66.8	64.3	58.1	72.3	72.2	72.9
		Completion Time:	0910	0859	0933	0847	0735	0850	0815
OC Operator Review and Page Count Complete (initials)			ARJ [illegible] MJW	[illegible] ARJ MJW	JSC [illegible] MJW	[illegible] MJW	ARJ [illegible]	[illegible] ARJ	ARJ [illegible]

[1] Temperatures should be recorded using Reference Thermometer FLUKE Model 1524 connected to Thermistor Probe Fluke Model 5610-9 (or approved engineered equivalent).

Completed by: JAURIGUE [signature] Date 2/17/19 Time 0815

Reviewed by: [signature] On-duty Supervisor Date: 2/20/2019 Time: 0640

Comments:

For Information Only

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 1 of 3)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

Note
Gauge readings should be taken on rack #4 in the OC. whenever possible. Document if alternate PDIs are used.

		Date:	2/18/19		2/19/19		2/20/19		2/21/19		2/22/19		2/23/19		2/24/19	
		Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
		Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
		Initials:	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SRs	**Description**	**Gauge Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**													
4.1.1.1 4.1.2.1[2]	200 area glovebox exhaust header ΔP	PDI-814-1 or PDI-814-2 ≤-1.0 in. wc[1]	-2.00	-2.00	-2.01	-2.01	-2.00	-7.01	-1.99	-2.00	-1.99	-2.00	-2.00	-1.99	-1.99	-2.00
	100 area glovebox exhaust header ΔP	PDI-820-1 or PDI-820-2 ≤-1.0 in. wc[1]	-1.95	-1.94	-1.95	-1.94	-1.94	-1.94	-1.93	-1.95	-1.94	-1.95	-1.96	-1.94	-1.94	-1.94
	300 area glovebox exhaust header ΔP	PDI-870-1 or PDI-870-2 ≤-1.0 in. wc[1]	-2.01	-2.01	-2.02	-2.01	-2.01	-7.01	-2.01	-7.01	-2.02	-2.01	-2.01	-2.01	-2.02	-2.01
	400 area glovebox exhaust header ΔP	PDI-864-1 or PDI-864-2 ≤-1.0 in. wc[1]	-2.03	-2.03	-2.04	-2.03	-2.03	-7.03	-2.02	-7.03	-2.03	-2.03	-2.02	-2.02	-2.03	-2.03
4.1.1.2 4.1.1.5 4.1.2.2[2]	200 area laboratory header ΔP	PDI-803-1 or PDI-803-2 ≤-0.05 in. wc[1]	-.20 ~~-2.01~~ [illegible]	-0.20	-.19	-0.20	-.19	-.18	-.18	-.18	-.19	-0.19	-.18	-0.18	-.20	-0.18
	100 area laboratory header ΔP	PDI-802-1 or PDI-802-2 ≤-0.05 in. wc[1]	-.25 ~~-2.03~~ [illegible]	-0.25	-.24	-0.25	-.25	-.23	-.23	-.23	-.24	-0.24	-.23	-0.23	-.23 ~~-.20~~ [illegible]	-0.23
	300 area laboratory header ΔP	PDI-853-1 or PDI-853-2 ≤-0.05 in. wc[1]	-.20	-0.20	-.20	-0.20	-.20	-.20	-.20	-.19	-.19	-0.19	-.18	-0.20	-.20	-0.20
	400 area laboratory header ΔP	PDI-852-1 or PDI-852-2 ≤-0.05 in. wc[1]	-.20	-0.20	-.19	-0.20	-.20	-.20	-.20	-.19	-.20	-0.19	-.18	-0.20	-.19	-0.19
	IFIT Facility ΔP	PDI-865-4 or PDI-865-5 ≤-0.05 in. wc	-.15	-0.15	-.15	-0.15	-.15	-.15	-.15	-.15	-.15	-0.15	-.14	-0.15	-.15	-0.15
4.1.1.3 4.1.2.3[2]	North basement ΔP	PDI-804-1 or PDI-804-2 < 0.00 in. wc	-.09	-0.09	-.09	-0.09	-.09	-.09	-.09	-.09	-.09	-0.09	-.07	-0.09	-.09	-0.09
	South basement ΔP	PDI-854-1 or PDI-854-2 < 0.00 in. wc	-.08	-0.08	-.08	-0.08	-.09	-.08	-.08	-.08	-.08	-0.08	-.08	-0.08	-.08	-0.08
	IRT Tunnel ΔP	PDT-901 or PDI-901 < 0.00 in. wc	-.092	-0.092	-.092	-0.080	-.093	-.090	-.094	-.080	-.095	-0.086	-.101	-0.091	-.085	-0.078

For Information Only

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 2 of 3)

Note: Readings should be taken using FCS screens FMT#151,152,201LD and 202LD. Field verification and local plenum PDI's may be used if FCS is unavailable.		Date:	2/18/19		2/19/19		2/20/19		2/21/19		2/22/19		2/23/19		2/24/19	
		Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
		Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
		Initials:														
SRs	**Description**	**Readings**	**Acceptance Criteria**	**SURVEILLANCE RESULTS Sat / Unsat (circle one)**												
4.1.1.6	**200 area re-circulation fan/ plenum**	FR-801 Icon red and PDT-831 ΔP >.050 or FR-802 Icon red and PDT-832 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	100 area re-circulation fan/ plenum	FR-803 Icon red and PDT-833 ΔP >.050 or FR-804 Icon red and PDT-835 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	300 area re-circulation fan/ plenum	FR-805 Icon red and PDT-836 ΔP >.050 or FR-806 Icon red and PDT-837 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	400 area re-circulation fan/ plenum	FR-807 Icon red and PDT-838 ΔP >.050 or FR-808 Icon red and PDT-839 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	Vault re-circulation fan/ plenum	FR-811 Icon red and PDT-840 ΔP >.050 or FR-812 Icon red and PDT-841 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat

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ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 3 of 3)

Note
Gauge readings should be taken on rack #4 in the OC when possible, local PDI equivalents may be used if necessary. Document any alternate PDIs used.

				Date:	2/18/19		2/19/19		2/20/19		2/21/19		2/22/19		2/23/19		2/24/19	
				Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
				Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
				Initials:	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SRs	Description	Area	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS Sat / Unsat (circle one)													
4.1.1.4	Glovebox exhaust header ΔPs < laboratory ΔPs < basement ΔPs for areas 100, 200, 300 and 400	200 Area	PDI-814-2 PDI-803-2 PDI-804-2	PDI-814-2 < PDI-803-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		100 Area	PDI-820-2 PDI-802-2 PDI-804-2	PDI-820-2 < PDI-802-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		300 Area	PDI-870-2 PDI-853-2 PDI-854-2	PDI-870-2 < PDI-853-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		400 Area	PDI-864-2 PDI-852-2 PDI-854-2	PDI-864-2 < PDI-852-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		Completion Time			0714	1922	0720	1924	0724	1929	0721	1934	0715	1918	0719	1924	0715	1927

[1] Mode 2 acceptance criteria is < 0.00 in. wc.
[2] SRs 4.1.2.x only apply during Mode 2 in accordance with LCO 3.1.2.

Completed by: [signature] Date: 02/24/19 Time: 1927 Reviewed by: [signature] On-duty Supervisor Date: 2/25/2019 Time: 0640

Comments:

For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

SR 4.4.1.1, The OPERABILITY acceptance criterion for this surveillance is:
The FLAMMABLE GAS detector in the FSTF FLAMMABLE GAS SOURCE storage cabinet is exposed to the ambient atmosphere in the storage cabinet. The gas concentration readout directly on the detector in the storage cabinet is compared with the gas concentration readout on the system control and alarm panel. The difference between the two readings is checked to VERIFY it is in the range of (≥-0.1; ≤0.1).

		Date:	2/18/19	2/19/19	2-20-19	2/21/19	2/22/19	2/23/19	2/24/19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	DH		PT			DH	DH
	Description / Gauge	**Acceptance Criteria**	**SURVEILLANCE RESULTS (percentage)**						
* **SR 4.4.1.1**	**Flammable Gas Channel Check DET-305-3 (LCD Reading)**	NA	005	005	005	005	005	005	005
	CP-305-H (LED Reading)		005	005	005	005	005	005	005
	(DET-305-3) – (CP-305H) (LCD Reading) (LED Reading)	Record Calculated Value	005	005	005	005	005	005	005
		≥ -0.1; ≤+0.1	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005
		Completion Time:	0719	0710	0920	0820	0805	0711	0715

FOR INFORMATION ONLY

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side)[UET]

(Page 2 of 4)

			Date:	2/18/19	2/19/19	2-20-19	2/21/19	2/22/19	2/23/19	2/24/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	DH		PT			DH	DH
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	South basement supply filter plenum (HVP-841) ΔP	[1]PDI-894-1	≤2.0 & > 0[1] in. wc	.02	.02	.02	.02	.02	.02	.02
		PDI-894-2	≤2.0 & > 0[1] in. wc	.41	.41	.41	.41	.41	.41	.41
4.1.3.4[2]	South Corridor supply (HVP-810) ΔP	[1]PDI-895-1	≤ 2.0 & > 0[1] in. wc	.05	.05	.06	.05	.05	.05	.05
		PDI-895-2	≤2.0 & > 0[1] in. wc	.71	.71	.71	.63	.64	.65	.65
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF854) ΔP	[1]PDI-817-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	.28	.28	.28	.28
		PDI-817-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	.30	.30	.30	.30
		PDI-817-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	.31	.31	.31	.31
		PDI-817-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	.30	.30	.30	.30
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF858) ΔP	PDI-81 9-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	.44	.44	.44	.44
		PDI-81 9-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	.45	.45	.45	.45
		PDI-819-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	.39	.39	.39	.39
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF855) ΔP	[1]PDI-818-1	≤2.0 & > 0[1] in. wc	.24	.24	.24	STBY	STBY	STBY	STBY
		PDI-818-2	≤2.0 & > 0[1] in. wc	.30	.30	.30	STBY	STBY	STBY	STBY
		PDI-818-4	≤2.0 & > 0[1] in. wc	.30	.30	.30	STBY	STBY	STBY	STBY
		PDI-818-5	≤2.0 & > 0[1] in. wc	.30	.30	.30	STBY	STBY	STBY	STBY
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF859) ΔP	PDI-821-1	≤2.0 & > 0[1] in. wc	.42	.43	.41	STBY	STBY	STBY	STBY
		PDI-821-3	≤2.0 & > 0[1] in. wc	.48	.46	.48	STBY	STBY	STBY	STBY
		PDI-821-4	≤2.0 & > 0[1] in. wc	.40	.41	.41	STBY	STBY	STBY	STBY

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ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 3 of 4)

			Date:	2/18/19	2/19/19	2-20-19	2/21/19	2/22/19	2/23/19	2/24/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	DH		PT		DH	DH	DH
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF856) ΔP	[1]PDI-822-1	≤2.0 & > 0[1] in. wc	.11	.11	.11	STBY	STBY	STBY	STBY
		PDI-822-2	≤2.0 & > 0[1] in. wc	.59	.59	.59	STBY	STBY	STBY	STBY
		PDI-822-4	≤2.0 & > 0[1] in. wc	.41	.42	.41	STBY	STBY	STBY	STBY
		PDI-822-5	≤2.0 & > 0[1] in. wc	.59	.58	.58	STBY	STBY	STBY	STBY
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF857) ΔP	[1]PDI-823-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	.07	.07	.07	.07
		PDI-823-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	.56	.55	.55	.55
		PDI-823-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	.51	.50	.50	.50
		PDI-823—5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	.51	.51	.61	.51
4.1.3.4[2]	South Basement exhaust filter plenum (FF-829) ΔP	[1]PDI-830-1	≤2.0 & > 0[1] in. wc	.25	.23	.23	.25	.22	.24	.25
		PDI-830-2	≤2.0 & > 0[1] in. wc	.12	.12	.15	.11	.11	.11	.12
		PDI-830-3	≤2.0 & > 0[1] in. wc	.11	.10	.12	.10	.10	.11	.10
4.1.1.7[2]	300 area re-circulation filter plenum (HVP-805) ΔP	[1]PDI-836-1	≤2.0 & > 0[1] in. wc	.06	.06	.06	.06	.06	.06	.06
		PDI-836-2	≤2.0 & > 0[1] in. wc	.65	.65	.65	.65	.65	.65	.65
		PDI-836-3	≤2.0 & > 0[1] in. wc	.64	.64	.64	.64	.64	.64	.64
	300 area re-circulation filter plenum (HVP-806) ΔP	[1]PDI-837-1	≤2.0 & > 0[1] in. wc	.04	.04	.04	.04	.04	.04	.04
		PDI-837-2	≤2.0 & > 0[1] in. wc	.49	.49	.49	.49	.49	.49	.49
		PDI-837-3	≤2.0 & > 0[1] in. wc	.46	.46	.48	.47	.47	.46	.46

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ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 4 of 4)

			Date:	2/18/19	2/19/19	2-20-19	2/21/19	2/22/19	2/23/19	2/24/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	DH		PT			DH	DH
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.1.7[2]	400 area re-circulation filter plenum (HVP-807) ΔP	[1]PDI-838-1	≤2.0 & > 0[1] in. wc	.54	.54	.54	.54	.54	.54	.54
		PDI-838-2	≤2.0 & > 0[1] in. wc	.60	.59	.60	.60	.59	.59	.59
		PDI-838-3	≤2.0 & > 0[1] in. wc	.59	.59	.59	.59	.59	.59	.59
	400 area re-circulation filter plenum (HVP-808) ΔP	[1]PDI-839-1	≤2.0 & > 0[1] in. wc	.39	.39	.39	.39	.39	.39	.39
		PDI-839-2	≤2.0 & > 0[1] in. wc	.50	.51	.51	.51	.51	.51	.51
		PDI-839-3	≤2.0 & > 0[1] in. wc	.52	.51	.52	.52	.52	.52	.52
4.1.3.4[2]	South Bleed off filter plenum (FF-822A) ΔP	[1]PDI-810-1	≤2.0 & > 0[1] in. wc	.16	.D	.17	.16	.16	.16	OFF
		PDI-810-2	≤2.0 & > 0[1] in. wc	.54	.57	.58	.54	.53	.53	OFF
		PDI-810-3	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51	.51	.51	OFF
4.1.3.4[2]	South Bleed off filter plenum (FF-822B) ΔP	[1]PDI -811 - 1	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	.12
		PDI -811 -2	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	.51
		PDI -811 -3	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	.51
			Completion Time	0814	0730	0830	0935	0955	0812	0808
OC Operator Review and Page Count Complete (initials)				AR	AR	AR MJW	MJW	BC	BC	BC

[1] Non TSR requirement

[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR 4.1.3.4 apply during both Mode 1 and Mode 2 as stated in LCO 3.1.3.

Completed by: _____ Date 2/24/19 Time 0808 Reviewed by _____ Date: 2/25/2019 Time: 0642

On-duty Supervisor

Comments *FLAMMABLE GAS DETECTOR OOS - AWAITING CALIBRATION

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 1 of 5)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

			Date:	2/18/19	2/19/19	2-20-19	2/21/19	2/22/19	2/23/19	2/24/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	DH	[illegible]	PT	[illegible]	[illegible]	DH	DH
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.1.7[2]	Vault re-circulation filter plenum (HVP-811) ΔP Vault re-circulation filter plenum (HVP-812) ΔP	[1]PDI-840-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	.17	.17	.17	.17
		PDI-840-2	≤2.0 & > 0 in[1]. wc	STBY	STBY	STBY	.56	.56	.56	.56
		PDI-840-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	.51	.51	.51	.51
		[1]PDI-841-1	≤2.0 & > 0[1] in. wc	.46	.46	.46	STBY	STBY	STBY	STBY
		PDI-841-2	≤2.0 & > 0[1] in. wc	.58	.57	.58	STBY	STBY	STBY	STBY
		PDI-841-3	≤2.0 & > 0[1] in. wc	.51	.51	.51	STBY	STBY	STBY	STBY
	200 area re-circulation filter plenum (HVP-801) ΔP	[1]PDI-831-1	≤2.0 & > 0[1] in. wc	.33	.33	.33	.33	.33	.33	.33
		PDI-831-2	≤2.0 & > 0[1] in. wc	.41	.41	.41	.41	.41	.41	.41
		PDI-831-3	≤2.0 & > 0[1] in. wc	.39	.39	.39	.39	.39	.39	.39
	200 area re-circulation filter plenum (HVP-802) ΔP	[1]PDI-832-1	≤2.0 & > 0[1] in. wc	.45	.44	.45	.44	.45	.45	.45
		PDI-832-2	≤2.0 & > 0[1] in. wc	.65	.65	.65	.65	.65	.65	.66
		PDI-832-3	≤2.0 & > 0[1] in. wc	.61	.61	.61	.61	.61	.61	.61
4.1.3.4[2]	North Bleed off filter plenum (FF-820A) ΔP	[1]PDI-807-1	≤2.0 & > 0[1] in. wc	.11	.11	.12	.13	.13	.13	.13
		PDI-807-2	≤2.0 & > 0[1] in. wc	.52	.55	.52	.58	.58	.58	.58
		PDI-807-3	≤2.0 & > 0[1] in. wc	.50	.51	.51	.52	.57	.54	.52
4.1.3.4[2]	North Bleed off filter plenum (FF-820B) ΔP	[1]PDI-809-1	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		PDI-809-2	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		PDI-809-3	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 2 of 5)

			Date:	2/18/19	2/19/19	2-20-19	2/21/19	2/22/19	2/23/19	2/24/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	DH	[illegible]	PT	[illegible]	[illegible]	DH	DH
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	North Basement exhaust filter plenum (FF-828) ΔP	[1]PDI-829-1	≤2.0 & > 0[1] in. wc	.34	.36	.28	.33	.30	.35	.34
		PDI-829-2	≤2.0 & > 0[1] in. wc	.51	.53	.46	.51	.50	.52	.51
		PDI-829-3	≤2.0 & > 0[1] in. wc	.41	.43	.38	.42	.40	.42	.41
4.1.1.7[2]	100 area re-circulation filter plenum (HVP-803) ΔP	[1]PDI-833-1	≤2.0 & > 0[1] in. wc	.07	.07	.07	.07	.07	.07	.07
		PDI-833-2	≤2.0 & > 0[1] in. wc	.52	.53	.53	.52	.52	.52	.52
		PDI-833-3	≤2.0 & > 0[1] in. wc	.50	.51	.51	.50	.50	.51	.51
	100 area re-circulation filter plenum (HVP-804) ΔP	[1]PDI-835-1	≤2.0 & > 0[1] in. wc	.05	.05	.05	.05	.05	.05	.05
		PDI-835-2	≤2.0 & > 0[1] in. wc	.49	.49	.49	.49	.49	.49	.49
		PDI-835-3	≤2.0 & > 0[1] in. wc	.50	.50	.50	.50	.50	.50	.50
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF852) ΔP	[1]PDI-815-1	≤2.0 & > 0[1] in. wc	.29	.28	.28	STBY	STBY	STBY	STBY
		PDI-815-2	≤2.0 & > 0[1] in. wc	.55	.55	.55	STBY	STBY	STBY	STBY
		PDI-815-4	≤2.0 & > 0[1] in. wc	.50	.49	.49	STBY	STBY	STBY	STBY
		PDI-815-5	≤2.0 & > 0[1] in. wc	.50	.50	.50	STBY	STBY	STBY	STBY
* 4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF853) ΔP *	[1]PDI-816-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	.46	.47	.48	.48
		PDI-816-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	.55	.57	.56	.56
		PDI-816-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	.51	.51	.51	.51
		PDI-816-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	.55	.55	.54	.54

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 3 of 5)

			Date:	2/18/19	2/19/19	2-20-19	2/21/19	2/22/19	2/23/19	2/24/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	DH		PT			DH	DH
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF850) ΔP	[1]PDI-812-1	≤2.0 & > 0[1] in. wc	.14	.14	.14	STBY	STBY	STBY	STBY
		PDI-812-2	≤2.0 & > 0[1] in. wc	.30	.30	.30	STBY	STBY	STBY	STBY
		PDI-812-3	≤2.0 & > 0[1] in. wc	.30	.30	.30	STBY	STBY	STBY	STBY
		PDI-812-4	≤2.0 & > 0[1] in. wc	.29	.29	.30	STBY	STBY	STBY	STBY
		PDI-812-5	≤2.0 & > 0[1] in. wc	.34	.34	.33	STBY	STBY	STBY	STBY
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF851) ΔP	[1]PDI-813-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	.08	.07	.07	.07
		PDI-813-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	.24	.24	.24	.24
		PDI-813-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	.21	.21	.21	.21
		PDI-813-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	.29	.29	.29	.29
		PDI-813-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	.37	.37	.38	.38
4.1.3.4[2]	IFIT exhaust filter plenum (FF-865) ΔP	[1]PDI-865-1	≤2.0 & > 0[1] in. wc	.02	.02	.07	.02	.02	.02	.02
		PDI-865-2	≤2.0 & > 0[1] in. wc	.38	.38	.57	.38	.38	.39	.38
		PDI-865-3	≤2.0 & > 0[1] in. wc	.31	.31	.51	.31	.31	.31	.31
4.1.3.4[2]	IFIT supply filter plenum (HVP-863) ΔP	[1]PDI-863-1	≤2.0 & > 0[1] in. wc	.05	.04	.05	.05	.05	.05	.05
		PDI-863-2	≤2.0 & >0[1] in. wc	.30	.29	.30	.30	.30	.30	.30

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 4 of 5)

			Date:	2/18/19	2/19/19	2-20-19	2/21/19	2/22/19	2/23/19	2/24/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	DH		PT			DH	DH
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS**						
4.1.3.4[2]	North Basement supply filter plenum (HVP-840) ΔP	[1]PDI-857-1	≤ 2.0 & > 0[1] in. wc	.10	.16	.10	.10	.10	.10	.10
		PDI-857-2	≤2.0 & > 0[1] in. wc	.41	.43	.43	.43	.43	.42	.42
4.1.3.4[2]	North corridor supply filter plenum (HVP-809) ΔP	[1]PDI-856-1	≤2.0 & > 0[1] in. wc	.04	.04	.05	.05	.04	.04	.05
		PDI-856-2	≤2.0 & > 0[1] in. wc	.55	.54	.54	.59	.59	.60	.60
[1]NA	**Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C**		**0 lb/ft² combustibles in designated exclusion area (within 15 feet of fans)**	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 201		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 204		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 5 of 5)

			Date:	2/18/19	2/19/19	2-20-19	2/21/19	2/22/19	2/23/19	2/24/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	DH	[illegible]	PT	[illegible]	[illegible]	DH	DH
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS						
4.3.2.2[2]	Room 206		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 207		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
			Completion time	0831	0750	0844	0920	0940	0750	0745
			OC Operator Review and Page Count Complete (initials)	ARY	ARY	ARY	ARY	BC	BC	BC

[1] Non TSR requirement

[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR's 4.1.3.4 and 4.3.2.2 apply during both Mode 1 and Mode 2.

Note: Rooms 201, 206 & 207 **must be** entered for surveillance even if they are red lit, room 204 can be viewed through the window. Notify the Operations Center of any rooms that are unable to be entered for the performance of rounds, Operations Center will make a logbook entry recording the room(s) and reason(s) for non-entry. Document in the comments section any room(s) and reason(s) they were unable to be entered for rounds.

Completed by: [signature] Date 2/24/19 Time 0745 Reviewed by: [signature] On-duty Supervisor Date: 2/25/2019 Time: 0643

* Comments: 2/21/19 4134 100 area FF853 label is missing for PDI-2. May have been knocked off during scheduling being set up and taken down.

- LABEL 816-2 FOR FF853 1st STAGE HEPA REPLACED ON 2/21/19

For Information Only

ATTACHMENT C: Non-PF-4 Daily Surveillance Rounds [UET]

(Page 1 of 1)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

M&TE Calibrated Data						
Record September through April only	PF-10 Thermometer File No.:	039746	PF-10 Thermistor File No.:	103705	V-701 Thermistor File No.:	103761
	Calibration Expiration Date:	6-15-19	Calibration Expiration Date:	~~7/3/19~~ 7/23/19	Calibration Expiration Date:	7/23/19
	PF-11 Thermometer File No.:	039745	PF-11 Thermistor File No.:	105383	V-704 Thermistor File No.:	~~00~~ 040375
	Calibration Expiration Date:	6-15-19	Calibration Expiration Date:	8/7/19	Calibration Expiration Date:	8/7/19

PF-10 & PF-11 Pump house Room Temperature and V-701 & V-704 Fire Water Storage Tank Temperature									
Daily (September through April only)		Date:	2/18/19	2/19/19	2/20/19	2/21/19	2/22/19	2/23/19	2/24/19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	[illegible]	[illegible]	[illegible]	[illegible]	80	[illegible]	[illegible]
SR	Description	Acceptance Criteria							
NA	ENSURE *M&TE Calibration Data* above is recorded and calibration dates have not elapsed.	Calibration dates have not elapsed.	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT
4.3.1.1[1]	RECORD fire water storage tank V-701 temperature	≥ 42.1 F	54.1	53.2	51.0	51.4	53.2	~~50.8~~ 54.1	54.4
4.3.1.1[1]	RECORD fire water storage tank V-704 temperature	≥ 42.1 F	50.0	50.1	52.2	54.2	53.1	50.8	50.4
4.3.1.3[1]	RECORD PF-10 room temperature	≥ 50.1 F	64.1	61.1	62.5	65.8	65.1	64.0	64.2
4.3.1.3[1]	RECORD PF-11 room temperature	≥ 50.1 F	69.6	70.3	67.9	61.8	65.9	65.9	62.7
		Completion Time:	0941	0909	0830	0857	0756	0917	0921
	OC Operator Review and Page Count Complete (initials)		AR [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[1] Temperatures should be recorded using Reference Thermometer FLUKE Model 1524 connected to Thermistor Probe Fluke Model 5610-9 (or approved engineered equivalent).

Completed by: C. COCHRAN Date 2/24/19 Time 0921

Reviewed by: [signature] Date: 2/25/2019 Time: 0644

On-duty Supervisor

Comments:

For Information Only

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 1 of 3)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

Note: Gauge readings should be taken on rack #4 in the OC. whenever possible. Document if alternate PDIs are used.			Date:	2/25/19		2/26/19		02 27 19		02-28-19							
			Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
			Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
			Initials:	AM	[illegible]	AM	[illegible]	BC	[illegible]	BC	[illegible]						
SRs	**Description**	**Gauge Acceptance Criteria**		**SURVEILLANCE RESULTS (in. wc)**													
4.1.1.1 4.1.2.1[2]	**200 area glovebox exhaust header ΔP**	PDI-814-1 or PDI-814-2	≤-1.0 in. wc[1]	-2.01	-2.01	-2.02	-2.01	-2.00	-1.99	-2.01	-2.01						
	100 area glovebox exhaust header ΔP	PDI-820-1 or PDI-820-2	≤-1.0 in. wc[1]	-1.93	-1.94	-1.93	-1.94	-1.94	-1.94	-1.94	-1.94						
	300 area glovebox exhaust header ΔP	PDI-870-1 or PDI-870-2	≤-1.0 in. wc[1]	-2.01	-2.01	-2.01	-2.01	-2.01	-2.01	-2.01	-2.00						
	400 area glovebox exhaust header ΔP	PDI-864-1 or PDI-864-2	≤-1.0 in. wc[1]	-2.02	-2.02	-2.02	-2.02	-2.02	-2.03	-2.03	-2.03						
4.1.1.2 4.1.1.5 4.1.2.2[2]	**200 area laboratory header ΔP**	PDI-803-1 or PDI-803-2	≤-0.05 in. wc[1]	-.19	-.19	-.18	-.18	-.19	-.18	-.19	-0.17						
	100 area laboratory header ΔP	PDI-802-1 or PDI-802-2	≤-0.05 in. wc[1]	-.21	-.24	-.23	-.23	-.24	-.23	-.28	-0.24						
	300 area laboratory header ΔP	PDI-853-1 or PDI-853-2	≤-0.05 in. wc[1]	-.19	-.22	-.20	-.20	-.21	-.20	-.20	-0.19						
	400 area laboratory header ΔP	PDI-852-1 or PDI-852-2	≤-0.05 in. wc[1]	-.20	-.21	-.20	-.20	-.20	-.19	-.20	-0.19						
	IFIT Facility ΔP	PDI-865-4 or PDI-865-5	≤-0.05 in. wc	-.15	-.15	-.15	-.15	-.15	-.15	-.15	-0.14						
4.1.1.3 4.1.2.3[2]	**North basement ΔP**	PDI-804-1 or PDI-804-2	< 0.00 in. wc	-.09	-.09	-.09	-.09	-.09	-.08	-.09	-0.10						
	South basement ΔP	PDI-854-1 or PDI-854-2	< 0.00 in. wc	-.08	-.04	-.08	-.08	-.08	-.08	-.08	-0.08						
	IRT Tunnel ΔP	PDT-901 or PDI-901	< 0.00 in. wc	-.080	-.078	-.093	-.097	-.088	-.079	-.080	-0.084						

Auto updated to UET

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 2 of 3)

Note: Readings should be taken using FCS screens FMT#151,152,201LD and 202LD. Field verification and local plenum PDI's may be used if FCS is unavailable.				Date:	2/25/19		2/26/19		02.27.19		02.28.19							
				Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
				Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
				Initials:	ARJ	K	MM	K	BC	C	BC							
SRs	**Description**	**Readings**	**Acceptance Criteria**	**SURVEILLANCE RESULTS Sat / Unsat (circle one)**														
4.1.1.6	**200 area re-circulation fan/ plenum**	FR-801 Icon red and PDT-831 ΔP >.050 or FR-802 Icon red and PDT-832 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	100 area re-circulation fan/ plenum	FR-803 Icon red and PDT-833 ΔP >.050 or FR-804 Icon red and PDT-835 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	300 area re-circulation fan/ plenum	FR-805 Icon red and PDT-836 ΔP >.050 or FR-806 Icon red and PDT-837 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	400 area re-circulation fan/ plenum	FR-807 Icon red and PDT-838 ΔP >.050 or FR-808 Icon red and PDT-839 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	Vault re-circulation fan/ plenum	FR-811 Icon red and PDT-840 ΔP >.050 or FR-812 Icon red and PDT-841 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat

ANO Unofficial Document

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 3 of 3)

Note
Gauge readings should be taken on rack #4 in the OC when possible, local PDI equivalents may be used if necessary. Document any alternate PDIs used.

				Date:	2/25/19		2/26/19		02.27.19		02.28.19							
				Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
				Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
				Initials:	APS	[illegible]	[illegible]	[illegible]	BC	[illegible]	BC	[illegible]						
SRs	**Description**	**Area**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS Sat / Unsat (circle one)**													
4.1.1.4	Glovebox exhaust header ΔPs < laboratory ΔPs < basement ΔPs for areas 100, 200, 300 and 400	200 Area	PDI-814-2 PDI-803-2 PDI-804-2	PDI-814-2 < PDI-803-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		100 Area	PDI-820-2 PDI-802-2 PDI-804-2	PDI-820-2 < PDI-802-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		300 Area	PDI-870-2 PDI-853-2 PDI-854-2	PDI-870-2 < PDI-853-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		400 Area	PDI-864-2 PDI-852-2 PDI-854-2	PDI-864-2 < PDI-852-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		Completion Time			0729	1931	0730	1932	0718	1919	0714	1919						
					MJW	[illegible]	MJW	[illegible]	MJW	[illegible]	MJW	[illegible]						

[1] Mode 2 acceptance criteria is < 0.00 in. wc.
[2] SRs 4.1.2.x only apply during Mode 2 in accordance with LCO 3.1.2.

Completed by: [signature] Date 2/28/19 Time 1919 Reviewed by: [signature] On-duty Supervisor Date: 3-1-19 Time: 0921

Comments: _____

For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

SR 4.4.1.1, The OPERABILITY acceptance criterion for this surveillance is:
The FLAMMABLE GAS detector in the FSTF FLAMMABLE GAS SOURCE storage cabinet is exposed to the ambient atmosphere in the storage cabinet. The gas concentration readout directly on the detector in the storage cabinet is compared with the gas concentration readout on the system control and alarm panel. The difference between the two readings is checked to VERIFY it is in the range of (≥-0.1; ≤0.1).

		Date:	2/~~24~~ 25/19	2/26/19	2/27/19	2-28-19			
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	BF	JM	JM	PT			
SR 4.4.1.1	**Description / Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (percentage)**						
	Flammable Gas Channel Check DET-305-3 (LCD Reading)	NA	005	005	005	005			
	CP-305-H (LED Reading)		005	005	005	005			
	(DET-305-3) – (CP-305H) (LCD Reading) (LED Reading)	Record Calculated Value	005	005	005	005			
		≥ -0.1; ≤+0.1	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat	Sat / Unsat	Sat / Unsat
		Completion Time:	0850	0750	0800	0835			

For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side)[UET]

BF 2/25/19 (Page 2 of 4)

			Date:	2/25/19	2/26/19	2/27/19	2-28-19			
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BF	JL	JL	PT			
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	South basement supply filter plenum (HVP-841) ΔP	[1]PDI-894-1	≤2.0 & > 0[1] in. wc	.03	.03	.03	.03			
		PDI-894-2	≤2.0 & > 0[1] in. wc	.42	.43	.43	.42			
4.1.3.4[2]	South Corridor supply (HVP-810) ΔP	[1]PDI-895-1	≤2.0 & > 0[1] in. wc	.05	.05	.05	.06			
		PDI-895-2	≤2.0 & > 0[1] in. wc	.65	.66	.66	.66			
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF854) ΔP	[1]PDI-817-1	≤2.0 & > 0[1] in. wc	.29	.29	.28	.28			
		PDI-817-2	≤2.0 & > 0[1] in. wc	.30	.30	.30	.30			
		PDI-817-4	≤2.0 & > 0[1] in. wc	.32	.32	.32	.32			
		PDI-817-5	≤2.0 & > 0[1] in. wc	.31	.31	.30	.30			
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF858) ΔP	PDI-81 9-1	≤2.0 & > 0[1] in. wc	.45	.44	.44	.45			
		PDI-81 9-3	≤2.0 & > 0[1] in. wc	.45	.46	.46	.45			
		PDI-819-4	≤2.0 & > 0[1] in. wc	.39	.40	.40	.39			
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF855) ΔP	[1]PDI-818-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY			
		PDI-818-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY			
		PDI-818-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY			
		PDI-818-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY			
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF859) ΔP	PDI-821-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY			
		PDI-821-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY			
		PDI-821-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY			

Non-Operational Use Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

2/25/19 BF

(Page 3 of 4)

			Date:	2/~~24~~ 25/19	2/26/19	2/27/19	2-28-19			
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BF	[illegible]	[illegible]	PT			
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF856) ΔP	[1]PDI-822-1	≤2.0 & > 0[1] in. wc	STBY	STBY	.12	.12			
		PDI-822-2	≤2.0 & > 0[1] in. wc	STBY	STBY	.58	.59			
		PDI-822-4	≤2.0 & > 0[1] in. wc	STBY	STBY	.42	.41			
		PDI-822-5	≤2.0 & > 0[1] in. wc	STBY	STBY	.58	.58			
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF857) ΔP	[1]PDI-823-1	≤2.0 & > 0[1] in. wc	.06	.06	STBY	STBY			
		PDI-823-2	≤2.0 & > 0[1] in. wc	.57	.56	STBY	STBY			
		PDI-823-4	≤2.0 & > 0[1] in. wc	.52	.51	STBY	STBY			
		PDI-823—5	≤2.0 & > 0[1] in. wc	.51	.51	STBY	STBY			
4.1.3.4[2]	South Basement exhaust filter plenum (FF-829) ΔP	[1]PDI-830-1	≤2.0 & > 0[1] in. wc	.25	.25	.20	.18			
		PDI-830-2	≤2.0 & > 0[1] in. wc	.12	.12	.12	.11			
		PDI-830-3	≤2.0 & > 0[1] in. wc	.11	.10	.09	.10			
4.1.1.7[2]	300 area re-circulation filter plenum (HVP-805) ΔP	[1]PDI-836-1	≤2.0 & > 0[1] in. wc	.07	.06	.06	.06			
		PDI-836-2	≤2.0 & > 0[1] in. wc	.64	.66	.65	.65			
		PDI-836-3	≤2.0 & > 0[1] in. wc	.62	.64	.64	.62			
	300 area re-circulation filter plenum (HVP-806) ΔP	[1]PDI-837-1	≤2.0 & > 0[1] in. wc	.04	.04	.04	.04			
		PDI-837-2	≤2.0 & > 0[1] in. wc	.49	.49	.49	.49			
		PDI-837-3	≤2.0 & > 0[1] in. wc	.48	.48	.48	.48			

For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

BF 2/15/19 (Page 4 of 4)

			Date:	2/25/24/19	2/26/19	2/27/19	2-28-19			
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BF			PT			
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.1.7[2]	400 area re-circulation filter plenum (HVP-807) ΔP	[1]PDI-838-1	≤2.0 & > 0[1] in. wc	.55	.55	.55	.55			
		PDI-838-2	≤2.0 & > 0[1] in. wc	.60	.60	.59	.60			
		PDI-838-3	≤2.0 & > 0[1] in. wc	.60	.59	.59	.59			
	400 area re-circulation filter plenum (HVP-808) ΔP	[1]PDI-839-1	≤2.0 & > 0[1] in. wc	.40	.39	.39	.39			
		PDI-839-2	≤2.0 & > 0[1] in. wc	.52	.52	.51	.51			
		PDI-839-3	≤2.0 & > 0[1] in. wc	.52	.52	.52	.52			
4.1.3.4[2]	South Bleed off filter plenum (FF-822A) ΔP	[1]PDI-810-1	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF			
		PDI-810-2	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF			
		PDI-810-3	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF			
4.1.3.4[2]	South Bleed off filter plenum (FF-822B) ΔP	[1]PDI -811 - 1	≤2.0 & > 0[1] in. wc	.12	.12	.11	.12			
		PDI -811 -2	≤2.0 & > 0[1] in. wc	.51	.51	.51	.53			
		PDI -811 -3	≤2.0 & > 0[1] in. wc	.51	.52	.51	.52			
			Completion Time	0900	0820	0824	0824			
OC Operator Review and Page Count Complete (initials)				MM AM MJW	MM AM MJW	BF JSC MJW	PT JSC MJW			

[1] Non TSR requirement
[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR 4.1.3.4 apply during both Mode 1 and Mode 2 as stated in LCO 3.1.3.

Completed by: Paul Trujillo Date 2-28-19 Time 0824 Reviewed by: _____ Date: 2/28/2019 Time: 1327
On-duty Supervisor

Comments FLAMMABLE CHANNEL DETECTOR IS OUT OF SERVICE

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 1 of 5)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

			Date:	2/~~24~~ 25/19 BF 2/25/19	2/26/19	2/27/19	2-28-19			
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BF	[illegible]	[illegible]	PT			
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.1.7[2]	Vault re-circulation filter plenum (HVP-811) ΔP Vault re-circulation filter plenum (HVP-812) ΔP	[1]PDI-840-1	≤2.0 & > 0[1] in. wc	.17	.17	.17	.17			
		PDI-840-2	≤2.0 & > 0 in[1] wc	.58	.57	.57	.58			
		PDI-840-3	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51			
		[1]PDI-841-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY			
		PDI-841-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY			
		PDI-841-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY			
	200 area re-circulation filter plenum (HVP-801) ΔP	[1]PDI-831-1	≤2.0 & > 0[1] in. wc	.33	.33	.33	.33			
		PDI-831-2	≤2.0 & > 0[1] in. wc	.42	.42	.42	.42			
		PDI-831-3	≤2.0 & > 0[1] in. wc	.40	.40	.40	.40			
	200 area re-circulation filter plenum (HVP-802) ΔP	[1]PDI-832-1	≤2.0 & > 0[1] in. wc	.44	.45	.45	.45			
		PDI-832-2	≤2.0 & > 0[1] in. wc	.68	.66	.66	.66			
		PDI-832-3	≤2.0 & > 0[1] in. wc	.61	.61	.61	.61			
4.1.3.4[2]	North Bleed off filter plenum (FF-820A) ΔP	[1]PDI-807-1	≤2.0 & > 0[1] in. wc	.13	.13	.13	.12			
		PDI-807-2	≤2.0 & > 0[1] in. wc	.58	.58	.58	.58			
		PDI-807-3	≤2.0 & > 0[1] in. wc	.52	.52	.52	.52			
4.1.3.4[2]	North Bleed off filter plenum (FF-820B) ΔP	[1]PDI-809-1	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF			
		PDI-809-2	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF			
		PDI-809-3	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF			

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 2 of 5)

			Date:	2/~~24~~ 25/19	2/26/19	2/27/19	2-28-19			
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BP	JM	JM	PT			
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	North Basement exhaust filter plenum (FF-828) ΔP	[1]PDI-829-1	≤2.0 & > 0[1] in. wc	.38	.32	.34	.33			
		PDI-829-2	≤2.0 & > 0[1] in. wc	.51	.50	.51	.51			
		PDI-829-3	≤2.0 & > 0[1] in. wc	.41	.40	.41	.41			
4.1.1.7[2]	100 area re-circulation filter plenum (HVP-803) ΔP	[1]PDI-833-1	≤2.0 & > 0[1] in. wc	.08	.07	.07	.07			
		PDI-833-2	≤2.0 & > 0[1] in. wc	.53	.54	.54	.54			
		PDI-833-3	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51			
	100 area re-circulation filter plenum (HVP-804) ΔP	[1]PDI-835-1	≤2.0 & > 0[1] in. wc	.05	.05	.05	.05			
		PDI-835-2	≤2.0 & > 0[1] in. wc	.50	.49	.49	.49			
		PDI-835-3	≤2.0 & > 0[1] in. wc	.50	.50	.50	.50			
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF852) ΔP	[1]PDI-815-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY			
		PDI-815-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY			
		PDI-815-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY			
		PDI-815-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY			
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF853) ΔP	[1]PDI-816-1	≤2.0 & > 0[1] in. wc	.48	.48	.48	.48			
		PDI-816-2	≤2.0 & > 0[1] in. wc	.58	.55	.56	.58			
		PDI-816-4	≤2.0 & > 0[1] in. wc	.52	.52	.52	.51			
		PDI-816-5	≤2.0 & > 0[1] in. wc	.53	.56	.55	.53			

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 3 of 5)

			Date:	2/25/19	2/26/19	2/27/19	2.28-19			
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BF			PT			
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF850) ΔP	[1]PDI-812-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY			
		PDI-812-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY			
		PDI-812-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY			
		PDI-812-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY			
		PDI-812-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY			
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF851) ΔP	[1]PDI-813-1	≤2.0 & > 0[1] in. wc	.08	.08	.08	.08			
		PDI-813-2	≤2.0 & > 0[1] in. wc	.25	.23	.24	.25			
		PDI-813-3	≤2.0 & > 0[1] in. wc	.20	.20	.20	.20			
		PDI-813-4	≤2.0 & > 0[1] in. wc	.30	.29	.29	.29			
		PDI-813-5	≤2.0 & > 0[1] in. wc	.33	.35	.35	.35			
4.1.3.4[2]	IFIT exhaust filter plenum (FF-865) ΔP	[1]PDI-865-1	≤2.0 & > 0[1] in. wc	.02	.02	.02	.02			
		PDI-865-2	≤2.0 & > 0[1] in. wc	.39	.38	.38	.38			
		PDI-865-3	≤2.0 & > 0[1] in. wc	.32	.32	.32	.32			
4.1.3.4[2]	IFIT supply filter plenum (HVP-863) ΔP	[1]PDI-863-1	≤2.0 & > 0[1] in. wc	.05	.05	.05	.05			
		PDI-863-2	≤2.0 & >0[1] in. wc	.30	.30	.30	.30			

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

BF 2/25/19 (Page 4 of 5)

			Date:	2/25/19	2/26/19	2/27/19	2-28-19			
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BF	[illegible]	[illegible]	PT			
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS**						
4.1.3.4[2]	North Basement supply filter plenum (HVP-840) ΔP	[1]PDI-857-1	≤ 2.0 & > 0[1] in. wc	.10	.10	.10	.10			
		PDI-857-2	≤2.0 & > 0[1] in. wc	.43	.43	.43	.42			
4.1.3.4[2]	North corridor supply filter plenum (HVP-809) ΔP	[1]PDI-856-1	≤2.0 & > 0[1] in. wc	.06	.05	.05	.05			
		PDI-856-2	≤2.0 & > 0[1] in. wc	.60	.60	.60	.60			
[1]NA	**Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C**		**0 lb/ft² combustibles in designated exclusion area (within 15 feet of fans)**	SAT	SAT	SAT	SAT			
4.3.2.2[1]	Room 201		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT			
4.3.2.2[1]	Room 204		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT			

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

2/25/19 (Page 5 of 5)

			Date:	2/25/19	2/26/19	2/27/19	2-28-19			
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BF			PT			
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS						
4.3.2.2[2]	Room 206		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT			
4.3.2.2[2]	Room 207		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT			
			Completion time	0830	0805	0810	0835			
			OC Operator Review and Page Count Complete (initials)	MJW	MJW	MJW	MJW			

[1] Non TSR requirement

[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR's 4.1.3.4 and 4.3.2.2 apply during both Mode 1 and Mode 2.

Note: Rooms 201, 206 & 207 **must be** entered for surveillance even if they are red lit, room 204 can be viewed through the window. Notify the Operations Center of any rooms that are unable to be entered for the performance of rounds, Operations Center will make a logbook entry recording the room(s) and reason(s) for non-entry. Document in the comments section any room(s) and reason(s) they were unable to be entered for rounds.

Completed by: Paul Trujillo Date 2-28-19 Time 0835 Reviewed by: _____ Date: 2/28/2019 Time: 1328

On-duty Supervisor

Comments: _____

FOR Information Only

ATTACHMENT C: Non-PF-4 Daily Surveillance Rounds [UET]

(Page 1 of 1)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

M&TE Calibrated Data						
Record September through April only	PF-10 Thermometer File No.:	039746	PF-10 Thermistor File No.:	103765	V-701 Thermistor File No.:	103761
	Calibration Expiration Date:	6/15/19	Calibration Expiration Date:	7/23/19	Calibration Expiration Date:	7/23/19
	PF-11 Thermometer File No.:	039745	PF-11 Thermistor File No.:	105353	V-704 Thermistor File No.:	040375
	Calibration Expiration Date:	6/15/19	Calibration Expiration Date:	8/7/19	Calibration Expiration Date:	8/7/19

PF-10 & PF-11 Pump house Room Temperature and V-701 & V-704 Fire Water Storage Tank Temperature									
Daily (September through April only)		Date:	2/25/19	2/26/19	2/27/19	2/28/19			
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	Th	Th	Th	[illegible]			
SR	Description	Acceptance Criteria							
NA	ENSURE *M&TE Calibration Data* above is recorded and calibration dates have not elapsed.	Calibration dates have not elapsed.	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT
4.3.1.1[1]	RECORD fire water storage tank V-701 temperature	≥ 42.1 F	54.5	54.5	54.8	54.7			
4.3.1.1[1]	RECORD fire water storage tank V-704 temperature	≥ 42.1 F	51.5	53.1	54.0	54.4			
4.3.1.3[1]	RECORD PF-10 room temperature	≥ 50.1 F	65.4	66.3	68.1	67.3			
4.3.1.3[1]	RECORD PF-11 room temperature	≥ 50.1 F	66.2	64.1	63.8	55.1			
		Completion Time:	0830	0855	0838	0830			
OC Operator Review and Page Count Complete (initials)			[illegible] AB MJW	[illegible] AB MJW	BL JSL MJW	BL JSL MJW			

[1] Temperatures should be recorded using Reference Thermometer FLUKE Model 1524 connected to Thermistor Probe Fluke Model 5610-9 (or approved engineered equivalent).

Completed by: [signature] Date 2/28/19 Time 0845

Reviewed by: [signature] Date: 3-1-19 Time: 0922

On-duty Supervisor

Comments:

For Information Only

ATTACHMENT D: Monthly Surveillance Rounds (Confinement Doors) [UET]

(Page 1 of 2)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

SRs	Equipment	Location	Acceptance criteria	Sat or Unsat.	Completion Time:	Date:	Initials
*Note	Confinement DR-344	Southeast	Verify that the Astragals and Jamb-Seal features are in-place and cover the gaps present 1. Between the door leaves and 2. Between the frame and the door edge when the doors are in the closed position	(Sat.) / Unsat.	1550	2/7/19	RH
4.1.3.2[1]	Confinement Door DR-344	Southeast	Exercise fully open and Verify that the door goes to the fully closed position via the automatic door closure. For each confinement door, VERIFY that one leaf of the door(s) is secured shut (NW, NE, SW, SE, south basement door).	(Sat.) / Unsat.	1545	2/7/19	RH
4.1.3.2[1]	Confinement Door DR-149	Northeast	Exercise fully open and Verify that the door goes to the fully closed position via the automatic door closure. For each confinement door, VERIFY that one leaf of the door(s) is secured shut (NW, NE, SW, SE, south basement door).	(Sat.) / Unsat.	1540	2/7/19	RH
*Note	Confinement DR-102	Northwest	Verify that the Astragals and Jamb-Seal features are in-place and cover the gaps present 1. Between the door leaves and 2. Between the frame and the door edge when the doors are in the closed position	(Sat.) Unsat.	1530	2/7/19	RH
4.1.3.2[1]	Confinement Door DR-102	Northwest	Exercise fully open and Verify that the door goes to the fully closed position via the automatic door closure. For each confinement door, VERIFY that one leaf of the door(s) is secured shut (NW, NE, SW, SE, south basement door).	(Sat.) / Unsat.	1515	2/7/19	RH
			AND VERIFY and RECORD the time (using calibrated stop watch) that the door(s) go to the fully closed position via the automatic door closure is ≤ 30 seconds 4.4 Seconds	(Sat.) / Unsat.	1510	2/7/19	RH

*** Note:** Monthly Inspection of DR-344 and DR-102 in accordance with compensatory measure(s) from: *Request for Permanent Equivalency to OE Order 420.1B Chapter II, NFPA 80, NFPA 101 and IBC Requirements for LANL Building TA55-4 (PF-4); Installation of New Confinement Doors DR-102, DR-302, and DR-344 LANL-DOE-ORDER-420.1B-EQ-2013-001*

Knowledge Management Office Approved for Public Release

ATTACHMENT D: Monthly Surveillance Rounds (Confinement Doors) [UET]

(Page 2 of 2)

SRs	Equipment	Location	Acceptance criteria	Sat or Unsat.	Completion Time:	Date:	Initials
4.1.3.2[1]	Confinement Door DR-302	Southwest	Exercise fully open and Verify that the door goes to the fully closed position via the automatic door closure. For each confinement door, VERIFY that one leaf of the door(s) is secured shut (NW, NE, SW, SE, south basement door).	(Sat.) / Unsat.	1445	2/7/19	RH
			AND VERIFY and RECORD the time (using calibrated stop watch) that the door(s) go to the fully closed position via the automatic door closure is ≤ 30 seconds. 4.5 Seconds	(Sat.) / Unsat.	1440	2/7/19	RH
4.1.3.2[1]	Confinement Door DR-4	N. Basement Personnel door DR-4	Exercise fully open and Verify that the door goes to the fully closed position via the automatic door closure.	(Sat.) Unsat.	1353	2/7/19	RH
4.1.3.2[1]	Confinement Door DR-90	South Basement Door (Tunnel)	Exercise fully open and Verify that the door goes to the fully closed position via the automatic door closure. For each confinement door, VERIFY that one leaf of the door(s) is secured shut (NW, NE, SW, SE, south basement door).	(Sat.) Unsat.	1430	2/7/19	RH
						OC Operator Review and Page Count Complete	MH

[1] SR 4.1.3.2 applies during both Mode 1 and Mode 2.

Completed by: [signature] Date 2/7/19 Time 1555 Reviewed by: [signature] KEITH ASHLEY Date: 2/7/19 Time: 1627

On-duty Supervisor Comments:

For Information Only

FOR INFORMATION ONLY

Attachment B, Surveillance Training Checklist

(Page 1 of 2)

Procedure title:	SURVEILLANCE ROUNDS
Procedure no.:	TA55-STP-004, R 19.1
Date of issue:	3/1/19
Working copy issued to:	C. COCHRAN
Working copy issued by:	F. SEYBERT
	Certified Operations Center Operator (OCO)

Procedure is the current revision listed in Documentum: ☒ Yes ☐ Documentum Unavailable

Performance Type: ☒ Scheduled ☐ Partial ☐ Other *If partial or other list reason in Comments below*

Comments: *(Document TSR Status Board tracking date here if different from completion date.)*

Training Checklist:

Workers Performing Surveillance	Applicable Surveillance Training Current	
	OCO Initials	Date
J. CRAIGO	[signature]	3/1/19
B. GRANCE	[signature]	
C. COCHRAN	[signature]	
A. JAUREGUE	[signature]	
M. MILLER	[signature]	
R. PRICE	[signature]	
F. SEYBERT	[signature]	
K. ASHLEY	[signature]	
D. DUNLAVY	[signature]	3/1/19

OC Reviews Complete and TSR Status Board Updated

[signature] / 3/31/19

OCO Signature Date

FOR INFORMATION ONLY

Attachment B, Surveillance Training Checklist (continued)

(Page 2 of 2)

Training Checklist (continuation sheet)

Workers Performing Surveillance	Applicable Surveillance Training Current	
	Initials	Date
A. DUNSEITH	[illegible]	3/1/19
M. WASHBURN	[illegible]	
B. FORDHAM	[illegible]	
D. HEINTSCHEL	[illegible]	
R. HOHNER	[illegible]	
M. IRISH	[illegible]	
T. LANGWORTHY	[illegible]	
J. MARTINEZ	[illegible]	
R. MARTINEZ	[illegible]	
ANTHONY SANCHEZ	[illegible]	
AUGIE SANCHEZ	[illegible]	
A. TRUJILLO	[illegible]	
S. ONEILL	[illegible]	3/1/19
~~M. Mills~~ M. Wells 3/1/19	[illegible]	3/1/19

FOR INFORMATION ONLY

Attachment A, Surveillance Due Date Change Request

(Page 1 of 1)

SI/STP/ISI #	Scheduled Due Date	Proposed Due Date	Maximum Allowable Extension of Due Date
STP-004	3/18/2019	3/18/2019	3/18/2019

Justification:

South basement rcd l.t. waiting for RCT support to complete rounds in south basement

Prepared by: _____ 3/18/2019
Preparer/System Engineer — Date

Reviewed by: _____ 3/18/2019
Operations Center On-Duty Supervisor — Date

Approved by: _____ 3/18/19
Operations Manager — Date

FOR INFORMATION ONLY

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 1 of 3)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

Note Gauge readings should be taken on rack #4 in the OC. whenever possible. Document if alternate PDIs are used.		**Date:**									3/1/19		3/2/19		3/3/19	
		Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
		Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
		Initials:									m	[illegible]	[illegible]	[illegible]	AB	[illegible]
SRs	**Description**	**Gauge Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**													
4.1.1.1 4.1.2.1[2]	**200 area glovebox exhaust header ΔP**	PDI-814-1 or PDI-814-2 ≤-1.0 in. wc[1]									-2.01	-2.01	-2.01	-1.98	-1.99	-2.00
	100 area glovebox exhaust header ΔP	PDI-820-1 or PDI-820-2 ≤-1.0 in. wc[1]									-1.94	-1.94	-1.95	-1.95	-1.93	-1.94
	300 area glovebox exhaust header ΔP	PDI-870-1 or PDI-870-2 ≤-1.0 in. wc[1]									-2.01	-2.01	-2.01	-2.01	-2.01	-1.94
	400 area glovebox exhaust header ΔP	PDI-864-1 or PDI-864-2 ≤-1.0 in. wc[1]									-2.04	-2.03	-2.03	-2.03	-2.03	-2.02
4.1.1.2 4.1.1.5 4.1.2.2[2]	**200 area laboratory header ΔP**	PDI-803-1 or PDI-803-2 ≤-0.05 in. wc[1]									-0.18	-.19	-.18	-.20	-.19	-.19
	100 area laboratory header ΔP	PDI-802-1 or PDI-802-2 ≤-0.05 in. wc[1]									-0.22	-.24	-.23	-.25	-.24	-.25
	300 area laboratory header ΔP	PDI-853-1 or PDI-853-2 ≤-0.05 in. wc[1]									-0.19	-.20	-.20	-.22	-.24	-.22
	400 area laboratory header ΔP	PDI-852-1 or PDI-852-2 ≤-0.05 in. wc[1]									-0.19	-.20	-.19	-.21	-.20	-.21
	IFIT Facility ΔP	PDI-865-4 or PDI-865-5 ≤-0.05 in. wc									-0.15	-.15	-.15	-.16	-.14	-.15
4.1.1.3 4.1.2.3[2]	**North basement ΔP**	PDI-804-1 or PDI-804-2 < 0.00 in. wc									-0.09	-.09	-.09	-.10	-.08	-.09
	South basement ΔP	PDI-854-1 or PDI-854-2 < 0.00 in. wc									-0.09	-.09	-.08	-.10	-.07	-.09
	IRT Tunnel ΔP	PDT-901 or PDI-901 < 0.00 in. wc									-0.091	-.094	-.081	-.096	-.096	-.080

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 2 of 3)

Note: Readings should be taken using FCS screens FMT#151,152,201LD and 202LD. Field verification and local plenum PDI's may be used if FCS is unavailable.		Date:										3/1/19		3/2/19		3/3/19	
		Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.		
		Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	
		Initials:									~	u	MH	u	ASJ	u	
SRs	**Description**	**Readings**	**Acceptance Criteria**	**SURVEILLANCE RESULTS Sat / Unsat (circle one)**													
4.1.1.6	**200 area re-circulation fan/ plenum**	FR-801 Icon red and PDT-831 ΔP >.050 or FR-802 Icon red and PDT-832 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat
	100 area re-circulation fan/ plenum	FR-803 Icon red and PDT-833 ΔP >.050 or FR-804 Icon red and PDT-835 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat
	300 area re-circulation fan/ plenum	FR-805 Icon red and PDT-836 ΔP >.050 or FR-806 Icon red and PDT-837 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat
	400 area re-circulation fan/ plenum	FR-807 Icon red and PDT-838 ΔP >.050 or FR-808 Icon red and PDT-839 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat
	Vault re-circulation fan/ plenum	FR-811 Icon red and PDT-840 ΔP >.050 or FR-812 Icon red and PDT-841 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat

FOR INFORMATION ONLY

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 3 of 3)

Note Gauge readings should be taken on rack #4 in the OC when possible, local PDI equivalents may be used if necessary. Document any alternate PDIs used.				**Date:**								3/1/19		3/2/19		3/3/19	
				Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
				Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
				Initials:									M	a	MM	U	APS	U
SRs	**Description**	**Area**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS** **Sat / Unsat (circle one)**													
4.1.1.4	**Glovebox exhaust header ΔPs < laboratory ΔPs < basement ΔPs for areas 100, 200, 300 and 400**	200 Area	PDI-814-2 PDI-803-2 PDI-804-2	PDI-814-2 < PDI-803-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		100 Area	PDI-820-2 PDI-802-2 PDI-804-2	PDI-820-2 < PDI-802-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		300 Area	PDI-870-2 PDI-853-2 PDI-854-2	PDI-870-2 < PDI-853-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		400 Area	PDI-864-2 PDI-852-2 PDI-854-2	PDI-864-2 < PDI-852-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		Completion Time											0731	1932	0730	1925	0722	1925
													a		a			

[1] Mode 2 acceptance criteria is < 0.00 in. wc.

[2] SRs 4.1.2.x only apply during Mode 2 in accordance with LCO 3.1.2

Completed by: U Date: 3/3/19 Time: 0722 Reviewed by: _____ Date: 3/4/2019 Time: 1337

On-duty Supervisor

Comments: _____

FOR INFORMATION ONLY

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

SR 4.4.1.1, The OPERABILITY acceptance criterion for this surveillance is:
The FLAMMABLE GAS detector in the FSTF FLAMMABLE GAS SOURCE storage cabinet is exposed to the ambient atmosphere in the storage cabinet. The gas concentration readout directly on the detector in the storage cabinet is compared with the gas concentration readout on the system control and alarm panel. The difference between the two readings is checked to VERIFY it is in the range of (≥-0.1; ≤0.1).

		Date:					3/1/19	3/2/19	3/3/19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:							
	Description / Gauge	**Acceptance Criteria**	**SURVEILLANCE RESULTS (percentage)**						
SR 4.4.1.1	**Flammable Gas Channel Check DET-305-3 (LCD Reading)**	NA					005	005	005
	CP-305-H (LED Reading)						005	005	005
	(DET-305-3) – (CP-305H) (LCD Reading) (LED Reading)	Record Calculated Value					005	005	005
		≥ -0.1; ≤+0.1	Sat / Unsat	Sat / Unsat	Sat / Unsat	Sat / Unsat	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005
		Completion Time:					0700	0705	0705

FOR INFORMATION ONLY

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side)[UET]

(Page 2 of 4)

			Date:					3/1/19	3/2/19	3/3/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:							
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.3.4[2]	**South basement supply filter plenum (HVP-841) ΔP**	[1]PDI-894-1	≤2.0 & > 0[1] in. wc					.03	.62	.02
		PDI-894-2	≤2.0 & > 0[1] in. wc					.44	.44	.44
4.1.3.4[2]	**South Corridor supply (HVP-810) ΔP**	[1]PDI-895-1	≤ 2.0 & > 0[1] in. wc					.05	.05	.05
		PDI-895-2	≤2.0 & > 0[1] in. wc					.69	.69	.69
4.1.3.4[2]	**300 area glovebox exhaust filter plenum (FF854) ΔP**	[1]PDI-817-1	≤2.0 & > 0[1] in. wc					.28	.28	.28
		PDI-817-2	≤2.0 & > 0[1] in. wc					.30	.30	.30
		PDI-817-4	≤2.0 & > 0[1] in. wc					.31	.31	.32
		PDI-817-5	≤2.0 & > 0[1] in. wc					.30	.30	.30
4.1.3.4[2]	**300 area special recovery glovebox exhaust filter plenum (FF858) ΔP**	PDI-81 9-1	≤2.0 & > 0[1] in. wc					.45	.44	.45
		PDI-81 9-3	≤2.0 & > 0[1] in. wc					.45	.45	.45
		PDI-819-4	≤2.0 & > 0[1] in. wc					.39	.39	.39
4.1.3.4[2]	**300 area glovebox exhaust filter plenum (FF855) ΔP**	[1]PDI-818-1	≤2.0 & > 0[1] in. wc					STBY	STBY	STBY
		PDI-818-2	≤2.0 & > 0[1] in. wc					STBY	STBY	STBY
		PDI-818-4	≤2.0 & > 0[1] in. wc					STBY	STBY	STBY
		PDI-818-5	≤2.0 & > 0[1] in. wc					STBY	STBY	STBY
4.1.3.4[2]	**300 area special recovery glovebox exhaust filter plenum (FF859) ΔP**	PDI-821-1	≤2.0 & > 0[1] in. wc					STBY	STBY	STBY
		PDI-821-3	≤2.0 & > 0[1] in. wc					STBY	STBY	STBY
		PDI-821-4	≤2.0 & > 0[1] in. wc					STBY	STBY	STBY

FOR INFORMATION ONLY

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 3 of 4)

			Date:					3/1/19	3/2/19	3/3/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:							
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.3.4[2]	**400 area glovebox exhaust filter plenum (FF856) ΔP**	[1]PDI-822-1	≤2.0 & > 0[1] in. wc					.11	STBY	STBY
		PDI-822-2	≤2.0 & > 0[1] in. wc					.58	STBY	STBY
		PDI-822-4	≤2.0 & > 0[1] in. wc					.41	STBY	STBY
		PDI-822-5	≤2.0 & > 0[1] in. wc					.56	STBY	STBY
4.1.3.4[2]	**400 area glovebox exhaust filter plenum (FF857) ΔP**	[1]PDI-823-1	≤2.0 & > 0[1] in. wc					STBY	.65	.05
		PDI-823-2	≤2.0 & > 0[1] in. wc					STBY	.53	.53
		PDI-823-4	≤2.0 & > 0[1] in. wc					STBY	.51	.48
		PDI-823—5	≤2.0 & > 0[1] in. wc					STBY	.51	.60
4.1.3.4[2]	**South Basement exhaust filter plenum (FF-829) ΔP**	[1]PDI-830-1	≤2.0 & > 0[1] in. wc					.24	.24	.30
		PDI-830-2	≤2.0 & > 0[1] in. wc					.13	.13	.15
		PDI-830-3	≤2.0 & > 0[1] in. wc					.11	.11	.10
4.1.1.7[2]	**300 area re-circulation filter plenum (HVP-805) ΔP**	[1]PDI-836-1	≤2.0 & > 0[1] in. wc					.06	.06	.06
		PDI-836-2	≤2.0 & > 0[1] in. wc					.65	.65	.65
		PDI-836-3	≤2.0 & > 0[1] in. wc					.64	.64	.64
	300 area re-circulation filter plenum (HVP-806) ΔP	[1]PDI-837-1	≤2.0 & > 0[1] in. wc					.04	.04	.04
		PDI-837-2	≤2.0 & > 0[1] in. wc					.49	.49	.49
		PDI-837-3	≤2.0 & > 0[1] in. wc					.47	.47	.47

FOR INFORMATION ONLY

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 4 of 4)

			Date:					3/1/19	3/2/19	3/3/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:							
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.1.7[2]	400 area re-circulation filter plenum (HVP-807) ΔP	[1]PDI-838-1	≤2.0 & > 0[1] in. wc					.55	.55	.55
		PDI-838-2	≤2.0 & > 0[1] in. wc					.59	.60	.60
		PDI-838-3	≤2.0 & > 0[1] in. wc					.59	.59	.59
	400 area re-circulation filter plenum (HVP-808) ΔP	[1]PDI-839-1	≤2.0 & > 0[1] in. wc					.40	.39	.39
		PDI-839-2	≤2.0 & > 0[1] in. wc					.51	.51	.51
		PDI-839-3	≤2.0 & > 0[1] in. wc					.52	.52	.52
4.1.3.4[2]	South Bleed off filter plenum (FF-822A) ΔP	[1]PDI-810-1	≤2.0 & > 0[1] in. wc					off	off	off
		PDI-810-2	≤2.0 & > 0[1] in. wc					off	off	off
		PDI-810-3	≤2.0 & > 0[1] in. wc					off	off	off
4.1.3.4[2]	South Bleed off filter plenum (FF-822B) ΔP	[1]PDI -811 - 1	≤2.0 & > 0[1] in. wc					.11	.11	.11
		PDI -811 -2	≤2.0 & > 0[1] in. wc					.51	.51	.51
		PDI -811 -3	≤2.0 & > 0[1] in. wc					.51	.51	.51
			Completion Time					0710	0750	0720
OC Operator Review and Page Count Complete (initials)									MH	MH AD

[1] Non TSR requirement

[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR 4.1.3.4 apply during both Mode 1 and Mode 2 as stated in LCO 3.1.3.

Completed by: Serena M. Date 3/3/19 Time 0720 Reviewed by: _____ Date: 3/4/2019 Time: 1338

On-duty Supervisor

Comments 3/1/19 4.4.1 out of service. Needs to be calibrated.

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 1 of 5)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

			Date:					3/1/19	3/2/19	3/3/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:							
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.1.7[2]	Vault re-circulation filter plenum (HVP-811) ΔP Vault re-circulation filter plenum (HVP-812) ΔP	[1]PDI-840-1	≤2.0 & > 0[1] in. wc					.17	.17	.17
		PDI-840-2	≤2.0 & > 0 in[1]. wc					.57	.57	.57
		PDI-840-3	≤2.0 & > 0[1] in. wc					.51	.51	.51
		[1]PDI-841-1	≤2.0 & > 0[1] in. wc					STBY	STBY	STBY
		PDI-841-2	≤2.0 & > 0[1] in. wc					STBY	STBY	STBY
		PDI-841-3	≤2.0 & > 0[1] in. wc					STBY	STBY	STBY
	200 area re-circulation filter plenum (HVP-801) ΔP	[1]PDI-831-1	≤2.0 & > 0[1] in. wc					.33	.33	.33
		PDI-831-2	≤2.0 & > 0[1] in. wc					.42	.42	.42
		PDI-831-3	≤2.0 & > 0[1] in. wc					.40	.40	.40
	200 area re-circulation filter plenum (HVP-802) ΔP	[1]PDI-832-1	≤2.0 & > 0[1] in. wc					.45	.45	.45
		PDI-832-2	≤2.0 & > 0[1] in. wc					.65	.66	.66
		PDI-832-3	≤2.0 & > 0[1] in. wc					.61	.61	.61
4.1.3.4[2]	North Bleed off filter plenum (FF-820A) ΔP	[1]PDI-807-1	≤2.0 & > 0[1] in. wc					.12	.13	.12
		PDI-807-2	≤2.0 & > 0[1] in. wc					.58	.58	.58
		PDI-807-3	≤2.0 & > 0[1] in. wc					.51	.51	.52
4.1.3.4[2]	North Bleed off filter plenum (FF-820B) ΔP	[1]PDI-809-1	≤2.0 & > 0[1] in. wc					off	off	off
		PDI-809-2	≤2.0 & > 0[1] in. wc					off	off	off
		PDI-809-3	≤2.0 & > 0[1] in. wc					off	off	off

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 2 of 5)

			Date:					3/1/19	3/2/19	3/3/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:							
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.3.4[2]	North Basement exhaust filter plenum (FF-828) ΔP	[1]PDI-829-1	≤2.0 & > 0[1] in. wc					.34	.33	.34
		PDI-829-2	≤2.0 & > 0[1] in. wc					.51	.50	.51
		PDI-829-3	≤2.0 & > 0[1] in. wc					.41	.40	.42
4.1.1.7[2]	100 area re-circulation filter plenum (HVP-803) ΔP	[1]PDI-833-1	≤2.0 & > 0[1] in. wc					.07	.07	.07
		PDI-833-2	≤2.0 & > 0[1] in. wc					.52	.52	.53
		PDI-833-3	≤2.0 & > 0[1] in. wc					.50	.51	.51
	100 area re-circulation filter plenum (HVP-804) ΔP	[1]PDI-835-1	≤2.0 & > 0[1] in. wc					.05	.05	.05
		PDI-835-2	≤2.0 & > 0[1] in. wc					.49	.49	.49
		PDI-835-3	≤2.0 & > 0[1] in. wc					.50	.50	.50
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF852) ΔP	[1]PDI-815-1	≤2.0 & > 0[1] in. wc					STBY	STBY	STBY
		PDI-815-2	≤2.0 & > 0[1] in. wc					STBY	STBY	STBY
		PDI-815-4	≤2.0 & > 0[1] in. wc					STBY	STBY	STBY
		PDI-815-5	≤2.0 & > 0[1] in. wc					STBY	STBY	STBY
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF853) ΔP	[1]PDI-816-1	≤2.0 & > 0[1] in. wc					.48	.48	.48
		PDI-816-2	≤2.0 & > 0[1] in. wc					.57	.57	.57
		PDI-816-4	≤2.0 & > 0[1] in. wc					.51	.51	.51
		PDI-816-5	≤2.0 & > 0[1] in. wc					.55	.55	.55

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 3 of 5)

			Date:					3/1/19	3/2/19	3/3/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:							
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF850) ΔP	[1]PDI-812-1	≤2.0 & > 0[1] in. wc					STBY	STBY	STBY
		PDI-812-2	≤2.0 & > 0[1] in. wc					STBY	STBY	STBY
		PDI-812-3	≤2.0 & > 0[1] in. wc					STBY	STBY	STBY
		PDI-812-4	≤2.0 & > 0[1] in. wc					STBY	STBY	STBY
		PDI-812-5	≤2.0 & > 0[1] in. wc					STBY	STBY	STBY
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF851) ΔP	[1]PDI-813-1	≤2.0 & > 0[1] in. wc					.08	.08	.08
		PDI-813-2	≤2.0 & > 0[1] in. wc					.25	.25	.25
		PDI-813-3	≤2.0 & > 0[1] in. wc					.21	.21	.21
		PDI-813-4	≤2.0 & > 0[1] in. wc					.29	.29	.29
		PDI-813-5	≤2.0 & > 0[1] in. wc					.35	.35	.36
4.1.3.4[2]	IFIT exhaust filter plenum (FF-865) ΔP	[1]PDI-865-1	≤2.0 & > 0[1] in. wc					.62	.62	.62
		PDI-865-2	≤2.0 & > 0[1] in. wc					.38	.37	.37
		PDI-865-3	≤2.0 & > 0[1] in. wc					.31	.31	.31
4.1.3.4[2]	IFIT supply filter plenum (HVP-863) ΔP	[1]PDI-863-1	≤2.0 & > 0[1] in. wc					.05	.05	.05
		PDI-863-2	≤2.0 & >0[1] in. wc					.30	.30	.30

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 4 of 5)

			Date:					3/1/19	3/2/19	3/3/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:							
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS**						
4.1.3.4[2]	North Basement supply filter plenum (HVP-840) ΔP	[1]PDI-857-1	≤ 2.0 & > 0[1] in. wc					.10	.10	.10
		PDI-857-2	≤2.0 & > 0[1] in. wc					.43	.43	.43
4.1.3.4[2]	North corridor supply filter plenum (HVP-809) ΔP	[1]PDI-856-1	≤2.0 & > 0[1] in. wc					.04	.05	.05
		PDI-856-2	≤2.0 & > 0[1] in. wc					.60	.60	.60
[1]NA	**Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C**		**0 lb/ft² combustibles in designated exclusion area (within 15 feet of fans)**					SAT	SAT	SAT
4.3.2.2[2]	Room 201		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less					SAT	SAT	SAT
4.3.2.2[2]	Room 204		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less					SAT	SAT	SAT

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 5 of 5)

			Date:					3/1/19	3/2/19	3/3/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:							
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS**						
4.3.2.2[2]	Room 206		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less					3/1/19 ~~U/SAT~~ SAT	SAT	SAT
4.3.2.2[2]	Room 207		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less					3/1/19 ~~U/SAT~~ SAT	SAT	SAT
			Completion time					0705	0715	0730
			OC Operator Review and Page Count Complete (initials)							

[1] Non TSR requirement

[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR's 4.1.3.4 and 4.3.2.2 apply during both Mode 1 and Mode 2.

Note: Rooms 201, 206 & 207 **must be** entered for surveillance even if they are red lit, room 204 can be viewed through the window. Notify the Operations Center of any rooms that are unable to be entered for the performance of rounds, Operations Center will make a logbook entry recording the room(s) and reason(s) for non-entry. Document in the comments section any room(s) and reason(s) they were unable to be entered for rounds.

Completed by: [signature] Date 3/3/19 Time 0730 Reviewed by: _____ Date: 3/4/2019 Time: 1339
On-duty Supervisor

Comments: 3/1/19 4322 JCM 206 Found tool box with paper on top. Notified ops. Moved tool box out of combustible area. Now SAT.

3/1/19 4322 JCM 207 step stool in combustible area. Notified ops. Moved step stool out of combustible area. Now SAT.

FOR INFORMATION ONLY

ATTACHMENT C: Non-PF-4 Daily Surveillance Rounds [UET]

(Page 1 of 1)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

M&TE Calibrated Data						
Record September through April only	PF-10 Thermometer File No.:	039746	PF-10 Thermistor File No.:	103765	V-701 Thermistor File No.:	103761
	Calibration Expiration Date:	6-15-19	Calibration Expiration Date:	7-23-18	Calibration Expiration Date:	7-23-18
	PF-11 Thermometer File No.:	039745	PF-11 Thermistor File No.:	105353	V-704 Thermistor File No.:	040375
	Calibration Expiration Date:	6-15-19	Calibration Expiration Date:	8-7-19	Calibration Expiration Date:	8-7-19

PF-10 & PF-11 Pump house Room Temperature and V-701 & V-704 Fire Water Storage Tank Temperature									
Daily (September through April only)		Date:					3-1-19	3-2-19	3-3-19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:					PT	~	~
SR	**Description**	**Acceptance Criteria**							
NA	ENSURE *M&TE Calibration Data* above is recorded and calibration dates have not elapsed.	Calibration dates have not elapsed.	SAT /UNSAT	SAT /UNSAT	SAT /UNSAT	SAT /UNSAT	(SAT)/UNSAT	(SAT)/UNSAT	(SAT)/UNSAT
4.3.1.1[1]	RECORD fire water storage tank V-701 temperature	≥ 42.1 F					54.6	54.9	54.3
4.3.1.1[1]	RECORD fire water storage tank V-704 temperature	≥ 42.1 F					53.7	53.4	51.9
4.3.1.3[1]	RECORD PF-10 room temperature	≥ 50.1 F					68.5	68.9	67.1
4.3.1.3[1]	RECORD PF-11 room temperature	≥ 50.1 F					59.5	61.6	69.5
		Completion Time:					0718	1015	0830
OC Operator Review and Page Count Complete (initials)							MM AFM	MM AFM	MM MB

[1] Temperatures should be recorded using Reference Thermometer FLUKE Model 1524 connected to Thermistor Probe Fluke Model 5610-9 (or approved engineered equivalent).

Completed by: _____ Date 3/3/19 Time 0830

Reviewed by: _____ Date: 3/4/2019 Time: 1339
On-duty Supervisor

Comments: _____

FOR INFORMATION ONLY

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 1 of 3)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

Note Gauge readings should be taken on rack #4 in the OC. whenever possible. Document if alternate PDIs are used.		**Date:**	03.04.19		03.05.19		3/6/19		3/7/19		03.08.19		03.09.19		03.10.19	
		Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
		Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
		Initials:	BC		JSL						BC		BC		BC	
SRs	**Description**	**Gauge Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**													
4.1.1.1 4.1.2.1[2]	**200 area glovebox exhaust header ΔP**	PDI-814-1 or PDI-814-2 ≤-1.0 in. wc[1]	-2.01	-2.01	-2.01	-2.01	-2.01	-1.99	-2.02	-2.01	-1.99	-2.01	-2.01	-2.00	-2.00	-1.99
	100 area glovebox exhaust header ΔP	PDI-820-1 or PDI-820-2 ≤-1.0 in. wc[1]	-1.93	-1.93	-1.94	-1.92	-1.94	-1.96	-1.97	-1.96	-1.94	-1.95	-1.95	-1.95	-1.94	-1.91
	300 area glovebox exhaust header ΔP	PDI-870-1 or PDI-870-2 ≤-1.0 in. wc[1]	-2.01	-2.02	-2.01	-2.01	-2.00	-2.00	-2.01	-2.01	-2.01	-2.01	-2.01	-2.01	-2.01	-2.01
	400 area glovebox exhaust header ΔP	PDI-864-1 or PDI-864-2 ≤-1.0 in. wc[1]	-2.02	-2.03	-2.03	-2.01	-2.02	-2.02	-2.02	-2.03	-2.03	-2.01	-2.03	-2.01	-2.03	-2.02
4.1.1.2 4.1.1.5 4.1.2.2[2]	**200 area laboratory header ΔP**	PDI-803-1 or PDI-803-2 ≤-0.05 in. wc[1]	-.19	-0.19	-0.19	-.18	-.18	-.17	-0.19	-.19	-.18	-.14	-.18	-.18	-.18	-0.20
	100 area laboratory header ΔP	PDI-802-1 or PDI-802-2 ≤-0.05 in. wc[1]	-.24	-0.23	-0.24	-.23	-.23	-.24	-0.21	-.24	-.23	-.18	-.23	-.21	-.23	-0.24
	300 area laboratory header ΔP	PDI-853-1 or PDI-853-2 ≤-0.05 in. wc[1]	-.18	-0.18	-0.20	-.20	-.20	-.20	-0.20	-.20	-.20	-.19	-.19	-.20	-.20	-0.21
	400 area laboratory header ΔP	PDI-852-1 or PDI-852-2 ≤-0.05 in. wc[1]	-.19	-0.19	-0.20	-.20	-.20	-.20	-0.20	-.20	-.19	-.19	-.19	-.20	-.20	-0.20
	IFIT Facility ΔP	PDI-865-4 or PDI-865-5 ≤-0.05 in. wc	-.15	-0.15	-0.15	-.15	-.15	-.15	-0.15	-.15	-.15	-.16	-.15	-.15	-.15	-0.15
4.1.1.3 4.1.2.3[2]	**North basement ΔP**	PDI-804-1 or PDI-804-2 < 0.00 in. wc	-.09	-0.10	-0.09	-.09	-.09	-.10	-.09	-.09	-.09	-.11	-.10	-.09	-.09	-0.09
	South basement ΔP	PDI-854-1 or PDI-854-2 < 0.00 in. wc	-.08	-0.09	-0.08	-.08	-.08	-.10	-.08	-.09	-.08	-.11	-.09	-.09	-.08	-0.08
	IRT Tunnel ΔP	PDT-901 or PDI-901 < 0.00 in. wc	-.086	-0.092	-0.092	-.090	-.091	-.092	-.099	-.092	-.091	-.116	-.089	-.085	-.093	-0.105

FOR INFORMATION ONLY

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 2 of 3)

Note: Readings should be taken using FCS screens FMT#151,152,201LD and 202LD. Field verification and local plenum PDI's may be used if FCS is unavailable.		Date:	03-04-19		~~3-05-19~~		3/6/19		3/7/19		03-08-19		03-09-19		03-10-19	
		Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
		Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
		Initials:	BC		JSC		MH				BC		BC		BC	
SRs	**Description**	**Readings**	**Acceptance Criteria**	**SURVEILLANCE RESULTS Sat / Unsat (circle one)**												
4.1.1.6	**200 area re-circulation fan/ plenum**	FR-801 Icon red and PDT-831 ΔP >.050 or FR-802 Icon red and PDT-832 ΔP >.050	At least one fan/plenum is in service	Sat / Unsat												
	100 area re-circulation fan/ plenum	FR-803 Icon red and PDT-833 ΔP >.050 or FR-804 Icon red and PDT-835 ΔP >.050	At least one fan/plenum is in service	Sat / Unsat												
	300 area re-circulation fan/ plenum	FR-805 Icon red and PDT-836 ΔP >.050 or FR-806 Icon red and PDT-837 ΔP >.050	At least one fan/plenum is in service	Sat / Unsat												
	400 area re-circulation fan/ plenum	FR-807 Icon red and PDT-838 ΔP >.050 or FR-808 Icon red and PDT-839 ΔP >.050	At least one fan/plenum is in service	Sat / Unsat												
	Vault re-circulation fan/ plenum	FR-811 Icon red and PDT-840 ΔP >.050 or FR-812 Icon red and PDT-841 ΔP >.050	At least one fan/plenum is in service	Sat / Unsat												

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ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 3 of 3)

Note
Gauge readings should be taken on rack #4 in the OC when possible, local PDI equivalents may be used if necessary. Document any alternate PDIs used.

					Date:	03.04.19		3.05.19		3/6/19		3/7/19		03.08.19		03.09.19		03.10.19	
					Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
					Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
					Initials:	BC		JSL		MH				BC		BC			
SRs	**Description**	**Area**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS** Sat / Unsat (circle one)														
4.1.1.4	**Glovebox exhaust header ΔPs < laboratory ΔPs < basement ΔPs for areas 100, 200, 300 and 400**	200 Area	PDI-814-2 PDI-803-2 PDI-804-2	PDI-814-2 < PDI-803-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		100 Area	PDI-820-2 PDI-802-2 PDI-804-2	PDI-820-2 < PDI-802-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		300 Area	PDI-870-2 PDI-853-2 PDI-854-2	PDI-870-2 < PDI-853-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		400 Area	PDI-864-2 PDI-852-2 PDI-854-2	PDI-864-2 < PDI-852-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		Completion Time			0717	1917	0712	1911	0734	1929	0725	1931	0716	1921	0719	1914	0721	1917	
					MJW		MJW		MJW		MJW		000						

[1] Mode 2 acceptance criteria is < 0.00 in. wc.

[2] SRs 4.1.2.x only apply during Mode 2 in accordance with LCO 3.1.2.

Completed by: _____ Date 3/10/19 Time 1917 Reviewed by: _____ Date: 3/11/2019 Time: 0726

On-duty Supervisor

Comments: _____

FOR INFORMATION ONLY

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

SR 4.4.1.1, The OPERABILITY acceptance criterion for this surveillance is:
The FLAMMABLE GAS detector in the FSTF FLAMMABLE GAS SOURCE storage cabinet is exposed to the ambient atmosphere in the storage cabinet. The gas concentration readout directly on the detector in the storage cabinet is compared with the gas concentration readout on the system control and alarm panel. The difference between the two readings is checked to VERIFY it is in the range of (≥-0.1; ≤0.1).

		Date:	3/4/19	3/5/19	3-6-19	3/7/19	3/8/19	3-9-19	3-10-19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	[illegible]	[illegible]	PT	[illegible]	[illegible]	PT	PT
SR 4.4.1.1	Description / Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (percentage)						
	Flammable Gas Channel Check DET-305-3 (LCD Reading)	NA	005	005	005	005	005	005	005
	CP-305-H (LED Reading)		005	005	005	005	005	005	005
	(DET-305-3) – (CP-305H)	Record Calculated Value	005	005	005	005	005	005	005
	(LCD Reading) (LED Reading)	≥ -0.1; ≤+0.1	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005
		Completion Time:	0810	0800	0845	0810	0740	0800	0735

FOR INFORMATION ONLY

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side)[UET]

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			Date:	3/4/19	3/5/19	3-6-19	3/7/19	3/8/19	3.9.19	3-10-19
			Weekday:	Mon.	Tue.	Wed	Thu.	Fri.	Sat.	Sun.
			Initials:			PT			PT	PT
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	South basement supply filter plenum (HVP-841) ΔP	[1]PDI-894-1	≤2.0 & > 0[1] in. wc	.03	.03	.04	.03	.03	.03	.03
		PDI-894-2	≤2.0 & > 0[1] in. wc	.45	.45	.45	.45	.45	.45	.45
4.1.3.4[2]	South Corridor supply (HVP-810) ΔP	[1]PDI-895-1	≤ 2.0 & > 0[1] in. wc	.05	.05	.06	.06	.06	.06	.06
		PDI-895-2	≤2.0 & > 0[1] in. wc	.69	.69	.69	.69	.69	.65	.65
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF854) ΔP	[1]PDI-817-1	≤2.0 & > 0[1] in. wc	.28	.28	.28	.28	.28	.28	.28
		PDI-817-2	≤2.0 & > 0[1] in. wc	.30	.30	.30	.30	.30	.30	.30
		PDI-817-4	≤2.0 & > 0[1] in. wc	.31	.31	.31	.31	.31	.31	.31
		PDI-817-5	≤2.0 & > 0[1] in. wc	.30	.30	.30	.31	.30	.30	.30
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF858) ΔP	PDI-81 9-1	≤2.0 & > 0[1] in. wc	.44	.44	.44	.44	.44	.44	.44
		PDI-81 9-3	≤2.0 & > 0[1] in. wc	.45	.45	.45	.45	.45	.45	.45
		PDI-819-4	≤2.0 & > 0[1] in. wc	.40	.39	.40	.41	.39	.39	.40
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF855) ΔP	[1]PDI-818-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-818-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-818-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-818-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF859) ΔP	PDI-821-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-821-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-821-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY

FOR INFORMATION ONLY

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

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			Date:	3/4/19	3/5/19	3-6-19	3/7/19	3/8/19	3-9-19 PT 3-8-19	3-10-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:			PT			PT	PT
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF856) ΔP	[1]PDI-822-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-822-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-822-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-822-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF857) ΔP	[1]PDI-823-1	≤2.0 & > 0[1] in. wc	.06	.06	.06	.06	.06	.06	.06
		PDI-823-2	≤2.0 & > 0[1] in. wc	.52	.54	.56	.56	.56	.56	.56
		PDI-823-4	≤2.0 & > 0[1] in. wc	.48	.48	.48	.48	.48	.48	.49
		PDI-823—5	≤2.0 & > 0[1] in. wc	.60	.61	.61	.61	.61	.61	.61
4.1.3.4[2]	South Basement exhaust filter plenum (FF-829) ΔP	[1]PDI-830-1	≤2.0 & > 0[1] in. wc	.25	.25	.31	.25	.21	.29	.24
		PDI-830-2	≤2.0 & > 0[1] in. wc	.12	.12	.12	.13	.11	.11	.11
		PDI-830-3	≤2.0 & > 0[1] in. wc	.10	.10	.10	.10	.09	.11	.11
4.1.1.7[2]	300 area re-circulation filter plenum (HVP-805) ΔP	[1]PDI-836-1	≤2.0 & > 0[1] in. wc	.07	.07	.06	.06	.06	.06	.06
		PDI-836-2	≤2.0 & > 0[1] in. wc	.65	.65	.65	.65	.65	.65	.65
		PDI-836-3	≤2.0 & > 0[1] in. wc	.63	.63	.63	.63	.63	.65	.65
	300 area re-circulation filter plenum (HVP-806) ΔP	[1]PDI-837-1	≤2.0 & > 0[1] in. wc	.04	.04	.04	.04	.04	.04	.04
		PDI-837-2	≤2.0 & > 0[1] in. wc	.49	.49	.49	.49	.49	.49	.49
		PDI-837-3	≤2.0 & > 0[1] in. wc	.47	.48	.48	.48	.48	.48	.45

FOR INFORMATION ONLY

FOR INFORMATION ONLY

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

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			Date:	3/4/19	3/5/19	3-6-19	3/7/19	3/8/19	3-9-19	3-10-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	[illegible]	[illegible]	PT	[illegible]	[illegible]	PT	PT
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.1.7[2]	400 area re-circulation filter plenum (HVP-807) ΔP	[1]PDI-838-1	≤2.0 & > 0[1] in. wc	.55	.55	.55	.55	.54	.55	.55
		PDI-838-2	≤2.0 & > 0[1] in. wc	.60	.60	.60	.60	.60	.60	.60
		PDI-838-3	≤2.0 & > 0[1] in. wc	.59	.59	.59	.59	.59	.59	.59
	400 area re-circulation filter plenum (HVP-808) ΔP	[1]PDI-839-1	≤2.0 & > 0[1] in. wc	.39	.39	.39	.39	.39	.39	.39
		PDI-839-2	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51	.51	.51	.51
		PDI-839-3	≤2.0 & > 0[1] in. wc	.52	.52	.52	.52	.52	.52	.52
4.1.3.4[2]	South Bleed off filter plenum (FF-822A) ΔP	[1]PDI-810-1	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		PDI-810-2	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		PDI-810-3	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
4.1.3.4[2]	South Bleed off filter plenum (FF-822B) ΔP	[1]PDI -811 - 1	≤2.0 & > 0[1] in. wc	.12	.11	.12	.12	.12	.12	.11
		PDI -811 -2	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51	.53	.52	.51
		PDI -811 -3	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51	.52	.51	.51
			Completion Time	0830	0820	0825	0821	0810	0731	0728
OC Operator Review and Page Count Complete (initials)				BC JSC MJW	BC JSC MJW	[illegible] ADD MJW	[illegible] MJW	BC JSC ADD	JSC BC [illegible]	JSC BC

[1] Non TSR requirement

[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR 4.1.3.4 apply during both Mode 1 and Mode 2 as stated in LCO 3.1.3.

Completed by: Paul Trujillo Date 3-10-19 Time 0736 Reviewed by: [signature] On-duty Supervisor Date: 3/11/2019 Time: 0727

Comments

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

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NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

			Date:	3/4/19	3/5/19	3-6-19	3/7/19	3/8/19	3-9-19	3-10-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:			PT			PT	PT
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.1.7[2]	Vault re-circulation filter plenum (HVP-811) ΔP Vault re-circulation filter plenum (HVP-812) ΔP	[1]PDI-840-1	≤2.0 & > 0[1] in. wc	.17	.17	.17	.17	.17	.17	.17
		PDI-840-2	≤2.0 & > 0 in[1]. wc	.57	.57	.58	.57	.57	.57	.57
		PDI-840-3	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51	.51	.51	.51
		[1]PDI-841-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-841-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-841-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
	200 area re-circulation filter plenum (HVP-801) ΔP	[1]PDI-831-1	≤2.0 & > 0[1] in. wc	.33	.33	.33	.33	.33	.33	.33
		PDI-831-2	≤2.0 & > 0[1] in. wc	.41	.41	.41	.41	.41	.41	.41
		PDI-831-3	≤2.0 & > 0[1] in. wc	.40	.40	.40	.40	.39	.40	.40
	200 area re-circulation filter plenum (HVP-802) ΔP	[1]PDI-832-1	≤2.0 & > 0[1] in. wc	.45	.46	.46	.45	.45	.45	.46
		PDI-832-2	≤2.0 & > 0[1] in. wc	.66	.67	.68	.66	.66	.68	.68
		PDI-832-3	≤2.0 & > 0[1] in. wc	.61	.61	.61	.61	.61	.61	.61
4.1.3.4[2]	North Bleed off filter plenum (FF-820A) ΔP	[1]PDI-807-1	≤2.0 & > 0[1] in. wc	.13	.13	.13	.13	.13	.13	.13
		PDI-807-2	≤2.0 & > 0[1] in. wc	.58	.58	.58	.58	.58	.58	.59
		PDI-807-3	≤2.0 & > 0[1] in. wc	.53	.53	.52	.52	.52	.52	.52
4.1.3.4[2]	North Bleed off filter plenum (FF-820B) ΔP	[1]PDI-809-1	≤2.0 & > 0[1] in. wc	off	OFF	OFF	off	off	OFF	OFF
		PDI-809-2	≤2.0 & > 0[1] in. wc	off	OFF	OFF	off	off	OFF	OFF
		PDI-809-3	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	off	off	OFF	OFF

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

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			Date:	3/4/19	3/5/19	3-6-19	3/7/19	3/8/19	3-9-19	3-10-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:			PT			PT	PT
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.3.4[2]	North Basement exhaust filter plenum (FF-828) ΔP	[1]PDI-829-1	≤2.0 & > 0[1] in. wc	.35	.34	.34	.31	.34	.33	.34
		PDI-829-2	≤2.0 & > 0[1] in. wc	.53	.52	.52	.50	.52	.50	.51
		PDI-829-3	≤2.0 & > 0[1] in. wc	.43	.41	.41	.40	.43	.41	.41
4.1.1.7[2]	100 area re-circulation filter plenum (HVP-803) ΔP	[1]PDI-833-1	≤2.0 & > 0[1] in. wc	.07	.07	.07	.07	.07	.07	.07
		PDI-833-2	≤2.0 & > 0[1] in. wc	.53	.53	.53	.53	.53	.53	.53
		PDI-833-3	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51	.51	.51	.51
	100 area re-circulation filter plenum (HVP-804) ΔP	[1]PDI-835-1	≤2.0 & > 0[1] in. wc	.05	.05	.05	.05	.05	.05	.05
		PDI-835-2	≤2.0 & > 0[1] in. wc	.49	.49	.50	.49	.49	.49	.49
		PDI-835-3	≤2.0 & > 0[1] in. wc	.50	.50	.50	.50	.50	.50	.50
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF852) ΔP	[1]PDI-815-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-815-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-815-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-815-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF853) ΔP	[1]PDI-816-1	≤2.0 & > 0[1] in. wc	.48	.48	.45	.46	.47	.45	.45
		PDI-816-2	≤2.0 & > 0[1] in. wc	.56	.57	.58	.55	.56	.56	.57
		PDI-816-4	≤2.0 & > 0[1] in. wc	.52	.52	.51	.51	.51	.51	.51
		PDI-816-5	≤2.0 & > 0[1] in. wc	.56	.55	.52	.55	.55	.53	.53

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 3 of 5)

			Date:	3/4/19	3/5/19	3-6-19	3/7/19	3/8/19	3-9-19	3-10-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	[illegible]	[illegible]	PT	[illegible]	[illegible]	PT	PT
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF850) ΔP	[1]PDI-812-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-812-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-812-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-812-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-812-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF851) ΔP	[1]PDI-813-1	≤2.0 & > 0[1] in. wc	.08	.08	.08	.08	.08	.08	.08
		PDI-813-2	≤2.0 & > 0[1] in. wc	.25	.25	.25	.25	.24	.24	.24
		PDI-813-3	≤2.0 & > 0[1] in. wc	.21	.21	.21	.21	.21	.21	.21
		PDI-813-4	≤2.0 & > 0[1] in. wc	.29	.30	.29	.29	.29	.29	.29
		PDI-813-5	≤2.0 & > 0[1] in. wc	.36	.37	.35	.35	.34	.33	.33
4.1.3.4[2]	IFIT exhaust filter plenum (FF-865) ΔP	[1]PDI-865-1	≤2.0 & > 0[1] in. wc	.02	.02	.02	.02	.02	.02	.02
		PDI-865-2	≤2.0 & > 0[1] in. wc	.37	.37	.38	.37	.37	.38	.38
		PDI-865-3	≤2.0 & > 0[1] in. wc	.31	.31	.31	.31	.31	.31	.31
4.1.3.4[2]	IFIT supply filter plenum (HVP-863) ΔP	[1]PDI-863-1	≤2.0 & > 0[1] in. wc	.05	.05	.05	.05	.05	.05	.05
		PDI-863-2	≤2.0 & >0[1] in. wc	.30	.30	.30	.30	.30	.30	.30

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 4 of 5)

			Date:	3/4/19	3/5/19	3-6-19	3/7/19	3/8/19	3-9-19	3-10-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:			PT			PT	PT
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS**						
4.1.3.4[2]	North Basement supply filter plenum (HVP-840) ΔP	[1]PDI-857-1	≤ 2.0 & > 0[1] in. wc	.16	.10	.10	.10	.10	.10	.10
		PDI-857-2	≤2.0 & > 0[1] in. wc	.43	.43	.43	.43	.43	.43	.42
4.1.3.4[2]	North corridor supply filter plenum (HVP-809) ΔP	[1]PDI-856-1	≤2.0 & > 0[1] in. wc	.05	.05	.05	.05	.05	.05	.05
		PDI-856-2	≤2.0 & > 0[1] in. wc	.60	.60	.60	.60	.60	.60	.60
[1]NA	**Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C**		**0 lb/ft² combustibles in designated exclusion area (within 15 feet of fans)**	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 201		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 204		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 5 of 5)

			Date:	3/4/19	3/5/19	3-6-19	3/7/19	3/8/19	3-9-19	3-10-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:			PT			PT	PT
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS**						
4.3.2.2[2]	Room 206		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	3/4/19 ~~SAT~~ SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 207		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
			Completion time	0900	0857	0910	0920	0930	0752	0803
			OC Operator Review and Page Count Complete (initials)	JSC MJW	JSC MJW	AB MJW	MJW	JSC DM	JSC CT	JSC

[1] Non TSR requirement

[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR's 4.1.3.4 and 4.3.2.2 apply during both Mode 1 and Mode 2.

Note: Rooms 201, 206 & 207 **must be** entered for surveillance even if they are red lit, room 204 can be viewed through the window. Notify the Operations Center of any rooms that are unable to be entered for the performance of rounds, Operations Center will make a logbook entry recording the room(s) and reason(s) for non-entry. Document in the comments section any room(s) and reason(s) they were unable to be entered for rounds.

Completed by: Paul Trujillo Date 3-10-19 Time 0803 Reviewed by: _____ Date: 3/11/2019 Time: 0228
On-duty Supervisor

Comments: 3/7/19 4.3.2.2 RM 206 was red lit so I made entry with respirator. Found 4 glove changing tools and step stools. Notified Ops then move items out of combustible area. Now SAT.

FOR INFORMATION ONLY

ATTACHMENT C: Non-PF-4 Daily Surveillance Rounds [UET]

(Page 1 of 1)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

M&TE Calibrated Data		103765			103761
Record September through April only	PF-10 Thermometer File No.:	039746	PF-10 Thermistor File No.:	~~103761~~ BF 3/7/19	V-701 Thermistor File No.:	~~103765~~ BF 3/7/19
	Calibration Expiration Date:	6/15/19	Calibration Expiration Date:	7/23/19	Calibration Expiration Date:	7/23/19
	PF-11 Thermometer File No.:	~~039744~~ 039745 BF 3/4/19	PF-11 Thermistor File No.:	105353	V-704 Thermistor File No.:	040375
	Calibration Expiration Date:	6/15/19	Calibration Expiration Date:	8/7/19	Calibration Expiration Date:	8/7/19

PF-10 & PF-11 Pump house Room Temperature and V-701 & V-704 Fire Water Storage Tank Temperature

Daily (September through April only)		Date:	3/4/19	3/5/19	3/6/19	3/7/19	3/8/19	3/9/19	03.10.19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	BF	AAS	SD	[illegible]	SU	NSL	BC
SR	**Description**	**Acceptance Criteria**							
NA	ENSURE *M&TE Calibration Data* above is recorded and calibration dates have not elapsed.	Calibration dates have not elapsed.	(SAT)/UNSAT	(SAT)/UNSAT	(SAT)/UNSAT	(SAT)/UNSAT	(SAT)/UNSAT	(SAT)/UNSAT	(SAT)/UNSAT
4.3.1.1[1]	RECORD fire water storage tank V-701 temperature	≥ 42.1 F	54.38	54.7	54.8	54.8	54.8	54.1	54.6
4.3.1.1[1]	RECORD fire water storage tank V-704 temperature	≥ 42.1 F	50.84	51.16	53.1	54.7	54.3	52.6	51.6
4.3.1.3[1]	RECORD PF-10 room temperature	≥ 50.1 F	65.19	67.2	66.4	63.5	63.0	60.3	60.9
4.3.1.3[1]	RECORD PF-11 room temperature	≥ 50.1 F	60.71	63.21	60.3	60.6	68.1	67.5	63.8
		Completion Time:	0951	0958	0934	0850	0813	0906	0835
	OC Operator Review and Page Count Complete (initials)		BC MJW	BC MJW	MJW AAS	MJW	BC DAO	BC	BC

[1] Temperatures should be recorded using Reference Thermometer FLUKE Model 1524 connected to Thermistor Probe Fluke Model 5610-9 (or approved engineered equivalent).

Completed by: [signature] Date 03.10.19 Time 0835

Reviewed by: [signature] Date: 3/11/2019 Time: 0229
On-duty Supervisor

Comments:

FOR INFORMATION ONLY

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 1 of 3)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

Note Gauge readings should be taken on rack #4 in the OC. whenever possible. Document if alternate PDIs are used.		**Date:**	3/11/19		3/12/19		3/13/19		3-14-19		3/15/19		3/16/19		3/17/19	
		Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
		Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
		Initials:	[illegible]	APJ	[illegible]	APJ	JSC	[illegible]	JSC	[illegible]	[illegible]	APJ	[illegible]	APJ	[illegible]	APJ
SRs	**Description**	**Gauge Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**													
4.1.1.1 4.1.2.1[2]	**200 area glovebox exhaust header ΔP**	PDI-814-1 or PDI-814-2 ≤-1.0 in. wc[1]	-2.01	-2.00	-1.99	-1.99	-2.01	-1.99	-2.00	-2.01	-1.99	-2.00	-2.00	-2.00	-2.00	-2.00
	100 area glovebox exhaust header ΔP	PDI-820-1 or PDI-820-2 ≤-1.0 in. wc[1]	-1.93	-1.94	-1.93	-1.94	-1.95	-1.95	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94
	300 area glovebox exhaust header ΔP	PDI-870-1 or PDI-870-2 ≤-1.0 in. wc[1]	-2.01	-2.01	-2.01	-2.02	-2.03	-2.04	-2.01	-2.00	-2.01	-2.01	-2.01	-2.01	-2.01	-2.01
	400 area glovebox exhaust header ΔP	PDI-864-1 or PDI-864-2 ≤-1.0 in. wc[1]	-2.03	-2.03	-2.03	-2.03	-2.02	-2.03	-2.02	-2.01	-2.03	-2.02	-2.03	-2.02	-2.03	-2.03
4.1.1.2 4.1.1.5 4.1.2.2[2]	**200 area laboratory header ΔP**	PDI-803-1 or PDI-803-2 ≤-0.05 in. wc[1]	-.19	-.19	-.18	-.21	-.20	-.19	-0.19	-.18	-.19	-.20	-.19	-.20	-.20	-.20
	100 area laboratory header ΔP	PDI-802-1 or PDI-802-2 ≤-0.05 in. wc[1]	-.23	-.24	-.24	-.26	-0.22	-.22	-0.24	-.24	-.23	-.25	-.25	-.26	-.25	-.25
	300 area laboratory header ΔP	PDI-853-1 or PDI-853-2 ≤-0.05 in. wc[1]	-.20	-.21	-.21	-.20	-0.15	-.16	-0.20	-.21	-.20	-.20	-.20	-.21	-.20	-.20
	400 area laboratory header ΔP	PDI-852-1 or PDI-852-2 ≤-0.05 in. wc[1]	-.19	-.21	-.19	-.20	-0.17	-.16	-0.20	-.21	-.20	-.20	-.20	-.21	-.20	-.19
	IFIT Facility ΔP	PDI-865-4 or PDI-865-5 ≤-0.05 in. wc	-.15	-.15	-.15	-.15	-0.15	-.14	-0.15	-.15	-.15	-.14	-.15	-.15	-.15	-.15
4.1.1.3 4.1.2.3[2]	**North basement ΔP**	PDI-804-1 or PDI-804-2 < 0.00 in. wc	-.09	-.10	-.10	-.09	-0.07	-.08	-0.07	-.10	-.09	-.09	-.10	-.09	-.09	-.09
	South basement ΔP	PDI-854-1 or PDI-854-2 < 0.00 in. wc	-.09	-.08	-.10	-.08	-0.09	-.08	-0.08	-.08	-.08	-.06	-.10	-.08	-.09	-.08
	IRT Tunnel ΔP	PDT-901 or PDI-901 < 0.00 in. wc	-.098	-.093	-.088	-.091	-0.104	-.097	-0.080	-.090	-.087	-.092	-.090	-.093	-.084	-.094

FOR INFORMATION ONLY

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 2 of 3)

Note Readings should be taken using FCS screens FMT#151,152,201LD and 202LD. Field verification and local plenum PDI's may be used if FCS is unavailable.			Date:	3/11/19		3/12/19		3/13/19		3-14-19		3/15/19		3/16/19		3/17/19	
			Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
			Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
			Initials:	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SRs	**Description**	**Readings**	**Acceptance Criteria**	**SURVEILLANCE RESULTS Sat / Unsat (circle one)**													
4.1.1.6	**200 area re-circulation fan/ plenum**	FR-801 Icon red and PDT-831 ΔP >.050 or FR-802 Icon red and PDT-832 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	100 area re-circulation fan/ plenum	FR-803 Icon red and PDT-833 ΔP >.050 or FR-804 Icon red and PDT-835 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	300 area re-circulation fan/ plenum	FR-805 Icon red and PDT-836 ΔP >.050 or FR-806 Icon red and PDT-837 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	400 area re-circulation fan/ plenum	FR-807 Icon red and PDT-838 ΔP >.050 or FR-808 Icon red and PDT-839 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	Vault re-circulation fan/ plenum	FR-811 Icon red and PDT-840 ΔP >.050 or FR-812 Icon red and PDT-841 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat

FOR INFORMATION ONLY

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 3 of 3)

Note
Gauge readings should be taken on rack #4 in the OC when possible, local PDI equivalents may be used if necessary. Document any alternate PDIs used.

					Date:	3/11/19		3/12/19		3/13/19		3-14-19		3/15/19		3/16/19		3/17/19	
					Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
					Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
					Initials:	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SRs	**Description**	**Area**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS** Sat / Unsat (circle one)														
4.1.1.4	**Glovebox exhaust header ΔPs < laboratory ΔPs < basement ΔPs for areas 100, 200, 300 and 400**	200 Area	PDI-814-2 PDI-803-2 PDI-804-2	PDI-814-2 < PDI-803-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		100 Area	PDI-820-2 PDI-802-2 PDI-804-2	PDI-820-2 < PDI-802-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		300 Area	PDI-870-2 PDI-853-2 PDI-854-2	PDI-870-2 < PDI-853-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		400 Area	PDI-864-2 PDI-852-2 PDI-854-2	PDI-864-2 < PDI-852-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		Completion Time			0730	1929	0735	1934	0731	1919	0722	1911	0732	1929	0721	1936	0726	1926	
					MJW		MJW		MJW									MJW	

[1] Mode 2 acceptance criteria is < 0.00 in. wc.

[2] SRs 4.1.2.x only apply during Mode 2 in accordance with LCO 3.1.2.

Completed by: [illegible] Date 3/17/19 Time 1926 Reviewed by: _____ Date: 3/18/2019 Time: 0631
On-duty Supervisor

Comments: _____

FOR INFORMATION ONLY

FOR INFORMATION ONLY

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

SR 4.4.1.1, The OPERABILITY acceptance criterion for this surveillance is:
The FLAMMABLE GAS detector in the FSTF FLAMMABLE GAS SOURCE storage cabinet is exposed to the ambient atmosphere in the storage cabinet. The gas concentration readout directly on the detector in the storage cabinet is compared with the gas concentration readout on the system control and alarm panel. The difference between the two readings is checked to VERIFY it is in the range of (≥-0.1; ≤0.1).

		Date:	3-11-19	3/12/19	3-13-19	3/14/19	3/15/19	3/16/19	3/17/19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	PT	[illegible]	PT	[illegible]	[illegible]	RLL	[illegible]
SR 4.4.1.1	**Description / Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (percentage)**						
	Flammable Gas Channel Check DET-305-3 (LCD Reading)	NA	005	005	005	005	005	005	005
	CP-305-H (LED Reading)		005	005	005	005	005	005	005
	(DET-305-3) – (CP-305H) (LCD Reading) (LED Reading)	Record Calculated Value	005	005	005	005	005	005	005
		≥ -0.1; ≤+0.1	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005
		Completion Time:	0735	0700	0800	0715	0740	0815 ~~015~~ RLL 3-16-19	0830

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side)[UET]

(Page 2 of 4)

			Date:	3-11-19	3/12/19	3-13-19	3/14/19	3/15/19	3/16/19	3/17/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT		PT				
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	South basement supply filter plenum (HVP-841) ΔP	[1]PDI-894-1	≤2.0 & > 0[1] in. wc	.04	.03	.04	.04	.04	.04	.03
		PDI-894-2	≤2.0 & > 0[1] in. wc	.45	.43	.44	.41	.41	.41	.41
4.1.3.4[2]	South Corridor supply (HVP-810) ΔP	[1]PDI-895-1	≤ 2.0 & > 0[1] in. wc	.06	.06	.06	.06	.06	.06	.05
		PDI-895-2	≤2.0 & > 0[1] in. wc	.65	.65	.69	.69	.69	.68	.67
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF854) ΔP	[1]PDI-817-1	≤2.0 & > 0[1] in. wc	3/7/19 ~~.42~~ PT	.27	STBY	.28	.28	.28	.28
		PDI-817-2	≤2.0 & > 0[1] in. wc	.30	.30	STBY	.30	.30	.30	.30
		PDI-817-4	≤2.0 & > 0[1] in. wc	.32	.32	STBY	.31	.31	.35	.34
		PDI-817-5	≤2.0 & > 0[1] in. wc	.31	.30	STBY	.30	.30	.31	.32
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF858) ΔP	PDI-81 9-1	≤2.0 & > 0[1] in. wc	.42	.42	STBY	.42	.42	.45	.45
		PDI-81 9-3	≤2.0 & > 0[1] in. wc	.45	.45	STBY	.45	.45	.46	.40
		PDI-819-4	≤2.0 & > 0[1] in. wc	.40	.39	STBY	.39	.39	.41	.45
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF855) ΔP	[1]PDI-818-1	≤2.0 & > 0[1] in. wc	STBY.	STBY	.24	STBY	STBY	StBy	StBy
		PDI-818-2	≤2.0 & > 0[1] in. wc	STBY	STBY	.30	STBY	STBY	StBy	StBy
		PDI-818-4	≤2.0 & > 0[1] in. wc	STBY	STBY	.41	STBY	STBY	StBy	StBy
		PDI-818-5	≤2.0 & > 0[1] in. wc	STBY	STBY	.30	STBY	STBY	StBy	StBy
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF859) ΔP	PDI-821-1	≤2.0 & > 0[1] in. wc	STBY	STBY	.41	STBY	STBY	StBy	StBy
		PDI-821-3	≤2.0 & > 0[1] in. wc	STBY	STBY	.49	STBY	STBY	StBy	StBy
		PDI-821-4	≤2.0 & > 0[1] in. wc	STBY	STBY	.41	STBY	STBY	StBy	StBy

FOR INFORMATION ONLY

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 3 of 4)

			Date:	3-11-19	3/12/19	3-13-19	3/14/19	3/15/19	3/16/19	3/17/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT		PT				
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF856) ΔP	[1]PDI-822-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	.12	.11	.12	.14
		PDI-822-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	.58	.58	.59	.59
		PDI-822-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	.41	.42	.41	.42
		PDI-822-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	.56	.56	.55	.54
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF857) ΔP	[1]PDI-823-1	≤2.0 & > 0[1] in. wc	.05	.05	.05	STBY	STBY	STBY	STBY
		PDI-823-2	≤2.0 & > 0[1] in. wc	.52	.55	.58	STBY	STBY	STBY	STBY
		PDI-823-4	≤2.0 & > 0[1] in. wc	.50	.48	.49	STBY	STBY	STBY	STBY
		PDI-823—S	≤2.0 & > 0[1] in. wc	.61	.61	.61	STBY	STBY	STBY	STBY
4.1.3.4[2]	South Basement exhaust filter plenum (FF-829) ΔP	[1]PDI-830-1	≤2.0 & > 0[1] in. wc	.26	.27	.24	.27	.20	.25	.25
		PDI-830-2	≤2.0 & > 0[1] in. wc	.12	.13	.10	.14	.12	.13	.13
		PDI-830-3	≤2.0 & > 0[1] in. wc	.11	.11	.09	.11	.09	.12	.11
4.1.1.7[2]	300 area re-circulation filter plenum (HVP-805) ΔP	[1]PDI-836-1	≤2.0 & > 0[1] in. wc	.06	.06	.06	.06	.06	.06	.06
		PDI-836-2	≤2.0 & > 0[1] in. wc	.65	.65	.65	.66	.66	.68	.68
		PDI-836-3	≤2.0 & > 0[1] in. wc	.65	.64	.65	.65	.65	.67	.66
	300 area re-circulation filter plenum (HVP-806) ΔP	[1]PDI-837-1	≤2.0 & > 0[1] in. wc	.04	.04	.04	.04	.04	.04	.04
		PDI-837-2	≤2.0 & > 0[1] in. wc	.49	.48	.49	.48	.48	.49	.49
		PDI-837-3	≤2.0 & > 0[1] in. wc	.49	.44	.45	.45	.45	.46	.45

FOR INFORMATION ONLY

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 4 of 4)

			Date:	3-11-19	3/12/19	3-13-19	3/14/19	3/15/19	3/16/19	3/17/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT		PT				
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.1.7[2]	400 area re-circulation filter plenum (HVP-807) ΔP	[1]PDI-838-1	≤2.0 & > 0[1] in. wc	.55	.55	.54	.55	.55	.54	.54
		PDI-838-2	≤2.0 & > 0[1] in. wc	.60	.60	.60	.60	.60	.59	.60
		PDI-838-3	≤2.0 & > 0[1] in. wc	.60	.59	.59	.59	.59	.60	.60
	400 area re-circulation filter plenum (HVP-808) ΔP	[1]PDI-839-1	≤2.0 & > 0[1] in. wc	.39	.39	.34	.39	.39	.40	.40
		PDI-839-2	≤2.0 & > 0[1] in. wc	.52	.52	.52	.51	.51	.52	.52
		PDI-839-3	≤2.0 & > 0[1] in. wc	.53	.52	.52	.52	.52	.52	.52
4.1.3.4[2]	South Bleed off filter plenum (FF-822A) ΔP	[1]PDI-810-1	≤2.0 & > 0[1] in. wc	OFF	off	OFF	.17	.17	.18	.15
		PDI-810-2	≤2.0 & > 0[1] in. wc	OFF	off	OFF	.58	.58	.55	.53
		PDI-810-3	≤2.0 & > 0[1] in. wc	OFF	off	OFF	.52	.53	.51	.50
4.1.3.4[2]	South Bleed off filter plenum (FF-822B) ΔP	[1]PDI -811 - 1	≤2.0 & > 0[1] in. wc	.11	.11	.11	off	off	off	off
		PDI -811 -2	≤2.0 & > 0[1] in. wc	.51	.51	.52	off	off	off	off
		PDI -811 -3	≤2.0 & > 0[1] in. wc	.51	.51	.51	off	off	off	off
			Completion Time	0757	0801	0758	0738	0800	0830	0830
OC Operator Review and Page Count Complete (initials)				MJW	MJW	MJW		C	C	MJW

[1] Non TSR requirement

[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR 4.1.3.4 apply during both Mode 1 and Mode 2 as stated in LCO 3.1.3.

Completed by: _____ Date 3/17/19 Time ~~0800~~ 0830 RO 3/17/19 Reviewed by: _____ Date: 3/18/2019 Time: 0633

On-duty Supervisor

Comments Flammable gas channel OOS. awaiting New Replacement

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 1 of 5)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

			Date:	3-11-19	3/12/19	3-13-19	3/14/19	3/15/19	3/16/19	3/17/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	[illegible]	PT	[illegible]	[illegible]	[illegible]	[illegible]
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.1.7[2]	Vault re-circulation filter plenum (HVP-811) ΔP Vault re-circulation filter plenum (HVP-812) ΔP	[1]PDI-840-1	≤2.0 & > 0[1] in. wc	.16	.17	.17	STBY	STBY	.18	.18
		PDI-840-2	≤2.0 & > 0 in[1]. wc	.58	.57	.58	STBY	STBY	.59	.59
		PDI-840-3	≤2.0 & > 0[1] in. wc	.51	.51	.51	STBY	STBY	.51	.52
		[1]PDI-841-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	.46	.46	STBY	STBY
		PDI-841-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	.57	.57	STBY	STBY
		PDI-841-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	.51	.51	STBY	STBY
	200 area re-circulation filter plenum (HVP-801) ΔP	[1]PDI-831-1	≤2.0 & > 0[1] in. wc	.34	.34	.33	.33	.33	.32	.32
		PDI-831-2	≤2.0 & > 0[1] in. wc	.42	.42	.41	.41	.41	.41	.41
		PDI-831-3	≤2.0 & > 0[1] in. wc	.40	.40	.40	.40	.40	.40	.40
	200 area re-circulation filter plenum (HVP-802) ΔP	[1]PDI-832-1	≤2.0 & > 0[1] in. wc	.46	.45	.45	.45	.45	.46	.47
		PDI-832-2	≤2.0 & > 0[1] in. wc	.68	.66	.67	.66	.66	.69	.68
		PDI-832-3	≤2.0 & > 0[1] in. wc	.61	.61	.61	.61	.61	.62	.61
4.1.3.4[2]	North Bleed off filter plenum (FF-820A) ΔP	[1]PDI-807-1	≤2.0 & > 0[1] in. wc	.13	.13	.12	OFF	OFF	OFF .15 3/16 .19	OFF
		PDI-807-2	≤2.0 & > 0[1] in. wc	.58	.58	.56	OFF	OFF	Off	OFF
		PDI-807-3	≤2.0 & > 0[1] in. wc	.53	.53	.51	OFF	OFF	Off	Off
4.1.3.4[2]	North Bleed off filter plenum (FF-820B) ΔP	[1]PDI-809-1	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	.08	.08	.55	.10
		PDI-809-2	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	.52	.54	.51	.52
		PDI-809-3	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	.52	.51	.51	.51

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 2 of 5)

			Date:	3-11-19	3/12/19	3-13-19	3/14/19	3/15/19	3/16/19	3/17/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT		PT				
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	North Basement exhaust filter plenum (FF-828) ΔP	[1]PDI-829-1	≤2.0 & > 0[1] in. wc	.33	.31	.41	.32	.34	.35	.35
		PDI-829-2	≤2.0 & > 0[1] in. wc	.51	.50	.59	.50	.51	.51	.51
		PDI-829-3	≤2.0 & > 0[1] in. wc	.41	.40	.48	.40	.41	.41	.42
4.1.1.7[2]	100 area re-circulation filter plenum (HVP-803) ΔP	[1]PDI-833-1	≤2.0 & > 0[1] in. wc	.07	.07	.07	.07	.07	.08	.09
		PDI-833-2	≤2.0 & > 0[1] in. wc	.53	.52	.52	.53	.52	.52	.55
		PDI-833-3	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51	.51	.51	.51
	100 area re-circulation filter plenum (HVP-804) ΔP	[1]PDI-835-1	≤2.0 & > 0[1] in. wc	.05	.05	.05	.05	.05	.07	.05
		PDI-835-2	≤2.0 & > 0[1] in. wc	.49	.49	.49	.49	.49	.50	.50
		PDI-835-3	≤2.0 & > 0[1] in. wc	.50	.50	.50	.50	.50	.51	.51
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF852) ΔP	[1]PDI-815-1	≤2.0 & > 0[1] in. wc	STBY	STBY	.26	STBY	STBY	.05	.31
		PDI-815-2	≤2.0 & > 0[1] in. wc	STBY	STBY	.55	STBY	STBY	.58	.58
		PDI-815-4	≤2.0 & > 0[1] in. wc	STBY	STBY	.49	STBY	STBY	.49	.50
		PDI-815-5	≤2.0 & > 0[1] in. wc	STBY	STBY	.50	STBY	STBY	.51	.51
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF853) ΔP	[1]PDI-816-1	≤2.0 & > 0[1] in. wc	.49	.49	STBY	.48	.48	StBy	StBy
		PDI-816-2	≤2.0 & > 0[1] in. wc	.53	.58	STBY	.57	.56	StBy	StBy
		PDI-816-4	≤2.0 & > 0[1] in. wc	.51	.51	STBY	.51	.51	StBy	StBy
		PDI-816-5	≤2.0 & > 0[1] in. wc	.52	.55	STBY	.55	.55	StBy	StBy

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 3 of 5)

			Date:	3.11.19	3/12/19	3-13-19	3/14/19	3/15/19	3/16/19	3/17/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	[illegible]	PT	[illegible]	[illegible]	RM	RM
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF850) ΔP	[1]PDI-812-1	≤2.0 & > 0[1] in. wc	STBY	STBY	.13	STBY	STBY	.15	.15
		PDI-812-2	≤2.0 & > 0[1] in. wc	STBY	STBY	.30	STBY	STBY	.07	.31
		PDI-812-3	≤2.0 & > 0[1] in. wc	STBY	STBY	.30	STBY	STBY	.07	.31
		PDI-812-4	≤2.0 & > 0[1] in. wc	STBY	STBY	.29	STBY	STBY	.29	.30
		PDI-812-5	≤2.0 & > 0[1] in. wc	STBY	STBY	.32	STBY	STBY	.31	.32
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF851) ΔP	[1]PDI-813-1	≤2.0 & > 0[1] in. wc	.08	.08	STBY	.08	.08	STBy	STBy
		PDI-813-2	≤2.0 & > 0[1] in. wc	.21	.23	STBY	.26	.25	STBy	STBy
		PDI-813-3	≤2.0 & > 0[1] in. wc	.20	.19	STBY	.21	.21	STBy	STBy
		PDI-813-4	≤2.0 & > 0[1] in. wc	.30	.29	STBY	.29	.29	STBy	STBy
		PDI-813-5	≤2.0 & > 0[1] in. wc	.35	.35	STBY	.37	.37	STBy	STBy
4.1.3.4[2]	IFIT exhaust filter plenum (FF-865) ΔP	[1]PDI-865-1	≤2.0 & > 0[1] in. wc	.03	.03	.02	.03	.02	.05	.02
		PDI-865-2	≤2.0 & > 0[1] in. wc	.38	.38	.39	.38	.38	.40	.40
		PDI-865-3	≤2.0 & > 0[1] in. wc	.41	.32	.32	.32	.32	.45	.35
4.1.3.4[2]	IFIT supply filter plenum (HVP-863) ΔP	[1]PDI-863-1	≤2.0 & > 0[1] in. wc	.05	.05	.05	.05	.05	.06	.05
		PDI-863-2	≤2.0 & >0[1] in. wc	.30	.30	.30	.30	.30	.31	.31

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 4 of 5)

			Date:	3-11-19	3/12/19	3-13-19	3/14/19	3/15/19	3/16/19	3/17/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT		PT				
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS**						
4.1.3.4[2]	North Basement supply filter plenum (HVP-840) ΔP	[1]PDI-857-1	≤ 2.0 & > 0[1] in. wc	.10	.10	.10	.10	.10	.10	.10
		PDI-857-2	≤2.0 & > 0[1] in. wc	.42	.42	.42	.42	.42	.41	.42
4.1.3.4[2]	North corridor supply filter plenum (HVP-809) ΔP	[1]PDI-856-1	≤2.0 & > 0[1] in. wc	.06	.06	.05	.05	.05	.06	.05
		PDI-856-2	≤2.0 & > 0[1] in. wc	.60	.60	.64	.60	.60	.55	.55
[1]NA	**Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C**		**0 lb/ft² combustibles in designated exclusion area (within 15 feet of fans)**	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 201		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 204		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 5 of 5)

			Date:	3-11-19	3/12/19	3-13-19	3/14/19	3/15/19	3/16/19	3/17/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT		PT				
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS**						
4.3.2.2[2]	Room 206		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 207		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
			Completion time	0800	0705	0805	0725	0815	0830	0815
			OC Operator Review and Page Count Complete (initials)	MJW	MJW	MJW	JSL			MJW

[1] Non TSR requirement

[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR's 4.1.3.4 and 4.3.2.2 apply during both Mode 1 and Mode 2.

Note: Rooms 201, 206 & 207 **must be** entered for surveillance even if they are red lit, room 204 can be viewed through the window. Notify the Operations Center of any rooms that are unable to be entered for the performance of rounds, Operations Center will make a logbook entry recording the room(s) and reason(s) for non-entry. Document in the comments section any room(s) and reason(s) they were unable to be entered for rounds.

Completed by: _____ Date 3/17/19 Time ~~0800~~ 0815 3/17/19 Reviewed by: _____ Date: 3/18/2019 Time: 0635

On-duty Supervisor

Comments: _____

FOR INFORMATION ONLY

ATTACHMENT C: Non-PF-4 Daily Surveillance Rounds [UET]

(Page 1 of 1)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

M&TE Calibrated Data						
Record September through April only	PF-10 Thermometer File No.:	039746	PF-10 Thermistor File No.:	103765	V-701 Thermistor File No.:	103761
	Calibration Expiration Date:	6/15/19	Calibration Expiration Date:	7/23/19	Calibration Expiration Date:	7/23/19 (18 SO 3/11/19)
	PF-11 Thermometer File No.:	039745	PF-11 Thermistor File No.:	105353	V-704 Thermistor File No.:	040375
	Calibration Expiration Date:	6/15/19	Calibration Expiration Date:	8/7/19	Calibration Expiration Date:	8/7/19

PF-10 & PF-11 Pump house Room Temperature and V-701 & V-704 Fire Water Storage Tank Temperature									
Daily (September through April only)		Date:	3/11/19	3/12/19	3/13/19	3/14/19	3/15/19	3/16/19	3/17/19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	SO	SO	[illegible]	[illegible]	AMS	[illegible]	[illegible]
SR	**Description**	**Acceptance Criteria**							
NA	ENSURE *M&TE Calibration Data* above is recorded and calibration dates have not elapsed.	Calibration dates have not elapsed.	(SAT)/UNSAT	(SAT)/UNSAT	(SAT)/UNSAT	(SAT)/UNSAT	(SAT)/UNSAT	(SAT)/UNSAT	(SAT)/UNSAT
4.3.1.1[1]	RECORD fire water storage tank V-701 temperature	≥ 42.1 F	54.7	54.8	54.1	53.8	54.1	54.3	54.6
4.3.1.1[1]	RECORD fire water storage tank V-704 temperature	≥ 42.1 F	51.1	50.6	51.4	51.9	52.6	53.8	54.0
4.3.1.3[1]	RECORD PF-10 room temperature	≥ 50.1 F	62.4	62.6	59.7	59.7	59.5	59.7	60.5
4.3.1.3[1]	RECORD PF-11 room temperature	≥ 50.1 F	66.9	67.3	66.1	67.1	68.1	64.5	67.1
		Completion Time:	0814	0804	0820	0745	0900	0820	0936
OC Operator Review and Page Count Complete (initials)			[illegible] MJW	[illegible] MJW	BC JSC MJW	BC JSC	[illegible]	[illegible] a	[illegible] MJW

[1] Temperatures should be recorded using Reference Thermometer FLUKE Model 1524 connected to Thermistor Probe Fluke Model 5610-9 (or approved engineered equivalent).

Completed by: [signature] 335126 Date 3/17/19 Time 0936

Reviewed by: [signature] Date: 3/18/2019 Time: 0635
On-duty Supervisor

Comments:

FOR INFORMATION ONLY

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 1 of 3)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

Note Gauge readings should be taken on rack #4 in the OC. whenever possible. Document if alternate PDIs are used.		**Date:**	3/18/19		3/19/19		3/20/19		3/21/19		3/22/19		3/23/19		3/24/19	
		Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
		Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
		Initials:	[illegible]	[illegible]	[illegible]	JSL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	JSL	[illegible]	[illegible]
SRs	**Description**	**Gauge Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**													
4.1.1.1 4.1.2.1²	**200 area glovebox exhaust header ΔP**	PDI-814-1 or PDI-814-2 ≤-1.0 in. wc¹	-2.00	-2.02	-2.00	-2.00	-2.00	-2.00	-2.01	-1.99	-2.00	-2.00	-1.99	-1.99	-1.99	-2.01
	100 area glovebox exhaust header ΔP	PDI-820-1 or PDI-820-2 ≤-1.0 in. wc¹	-1.95	-1.94	-1.94	-1.94	-1.94	-1.94	-1.95	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.93
	300 area glovebox exhaust header ΔP	PDI-870-1 or PDI-870-2 ≤-1.0 in. wc¹	-2.01	-2.01	-2.01	-2.01	-2.02	-2.00	-2.02	-2.02	-2.01	-2.01	-2.00	-2.02	-2.02	-2.03
	400 area glovebox exhaust header ΔP	PDI-864-1 or PDI-864-2 ≤-1.0 in. wc¹	-2.02	-2.03	-2.00	-2.03	-2.03	-2.02	-2.02	-2.03	-2.02	-2.0[illegible]	-1.96	-2.02	-2.02	-2.03
4.1.1.2 4.1.1.5 4.1.2.2²	**200 area laboratory header ΔP**	PDI-803-1 or PDI-803-2 ≤-0.05 in. wc¹	-0.20	-0.20	-.19	-0.20	-0.21	-.21	-.20	-.19	-.20	-0.19	-0.19	-0.20	-0.19	-0.20
	100 area laboratory header ΔP	PDI-802-1 or PDI-802-2 ≤-0.05 in. wc¹	-0.25	-0.25	-.26	-0.25	-0.25	-.25	-.25	-.25	-.25	-0.24	-0.24	-0.26	-0.25	-0.26
	300 area laboratory header ΔP	PDI-853-1 or PDI-853-2 ≤-0.05 in. wc¹	-0.21	-0.20	-.22	-0.26	-0.19	-.20	-.20	-.20	-.20	-0.19	-0.20	-0.20	-0.20	-0.19
	400 area laboratory header ΔP	PDI-852-1 or PDI-852-2 ≤-0.05 in. wc¹	-0.20	-0.19	-.21	-0.20	-0.19	-.19	-.19	-.19	-.20	-0.19	-0.20	-0.20	-0.20	-0.19
	IFIT Facility ΔP	PDI-865-4 or PDI-865-5 ≤-0.05 in. wc	-0.15	-0.15	-.15	-0.15	-0.15	-.15	-.15	-.15	-.15	-0.15	-0.15	-0.15	-0.15	-0.16
4.1.1.3 4.1.2.3²	**North basement ΔP**	PDI-804-1 or PDI-804-2 < 0.00 in. wc	-0.09	-0.09	-.10	-0.09	-0.09	-.08	-.09	-.09	-.09	-0.09	-0.09	-0.09	-0.09	-0.09
	South basement ΔP	PDI-854-1 or PDI-854-2 < 0.00 in. wc	-0.08	-0.08	-.09	-0.08	-0.08	-.09	-.08	-.08	-.08	-0.08	-0.08	-0.08	-0.08	-0.08
	IRT Tunnel ΔP	PDT-901 or PDI-901 < 0.00 in. wc	-0.089	-0.091	-.092	-0.091	-.092	-.092	-.094	-.079	-.092	-0.095	-0.097	-0.09[illegible]	-0.089	-0.092

FOR INFORMATION ONLY

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 2 of 3)

Note: Readings should be taken using FCS screens FMT#151,152,201LD and 202LD. Field verification and local plenum PDI's may be used if FCS is unavailable.		Date:	3/18/19		3/19/19		3/20/19		3/21/19		3/22/19		3/23/19		3/24/19	
		Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
		Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
		Initials:	[illegible]	JSC	[illegible]	JSC	[illegible]	APJ	[illegible]	APJ	[illegible]	JSC	[illegible]	JSC	[illegible]	[illegible]
SRs	**Description**	**Readings**	**Acceptance Criteria**	**SURVEILLANCE RESULTS Sat / Unsat (circle one)**												
4.1.1.6	**200 area re-circulation fan/ plenum**	FR-801 Icon red and PDT-831 ΔP >.050 or FR-802 Icon red and PDT-832 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	100 area re-circulation fan/ plenum	FR-803 Icon red and PDT-833 ΔP >.050 or FR-804 Icon red and PDT-835 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	300 area re-circulation fan/ plenum	FR-805 Icon red and PDT-836 ΔP >.050 or FR-806 Icon red and PDT-837 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	400 area re-circulation fan/ plenum	FR-807 Icon red and PDT-838 ΔP >.050 or FR-808 Icon red and PDT-839 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	Vault re-circulation fan/ plenum	FR-811 Icon red and PDT-840 ΔP >.050 or FR-812 Icon red and PDT-841 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat

FOR INFORMATION ONLY

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

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Note
Gauge readings should be taken on rack #4 in the OC when possible, local PDI equivalents may be used if necessary. Document any alternate PDIs used.

				Date:	3/18/19		3/19/19		3/20/19		3/21/19		3/22/19		3/23/19		3/24/19	
				Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
				Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
				Initials:	[illegible]	JSL	[illegible]	JSL	[illegible]	ABJ	[illegible]	AM	[illegible]	JSL	[illegible]	JSL	[illegible]	JSL
SRs	**Description**	**Area**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS** Sat / Unsat (circle one)													
4.1.1.4	**Glovebox exhaust header ΔPs < laboratory ΔPs < basement ΔPs for areas 100, 200, 300 and 400**	200 Area	PDI-814-2 PDI-803-2 PDI-804-2	PDI-814-2 < PDI-803-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		100 Area	PDI-820-2 PDI-802-2 PDI-804-2	PDI-820-2 < PDI-802-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		300 Area	PDI-870-2 PDI-853-2 PDI-854-2	PDI-870-2 < PDI-853-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		400 Area	PDI-864-2 PDI-852-2 PDI-854-2	PDI-864-2 < PDI-852-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		Completion Time			0754	1916	0711	1918	0736	1925	0725	1918	0719	1922	0723	1920	0719	1918
					MJW		MJW		MJW		MJW		[illegible]		[illegible]		[illegible]	

[1] Mode 2 acceptance criteria is < 0.00 in. wc.
[2] SRs 4.1.2.x only apply during Mode 2 in accordance with LCO 3.1.2

Completed by: JSL Date 3/24/19 Time 1915 Reviewed by: _____ Date: 3/25/2019 Time: 1323
On-duty Supervisor

Comments: _____

FOR INFORMATION ONLY

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

SR 4.4.1.1, The OPERABILITY acceptance criterion for this surveillance is:
The FLAMMABLE GAS detector in the FSTF FLAMMABLE GAS SOURCE storage cabinet is exposed to the ambient atmosphere in the storage cabinet. The gas concentration readout directly on the detector in the storage cabinet is compared with the gas concentration readout on the system control and alarm panel. The difference between the two readings is checked to VERIFY it is in the range of (≥-0.1; ≤0.1).

		Date:	3-18-19	3/19/19	3/20/19	3-21-19	3/22/19	3/23/19	3/24/19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	PT						
SR 4.4.1.1	Description / Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (percentage)						
	Flammable Gas Channel Check DET-305-3 (LCD Reading)	NA	005	005	005	005	005	005	005
	CP-305-H (LED Reading)		005	005	005	005	005	005	005
	(DET-305-3) – (CP-305H) (LCD Reading) (LED Reading)	Record Calculated Value	005	005	005	005	005	005	005
		≥ -0.1; ≤+0.1	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005
		Completion Time:	0830	0710	0709	0729	0710	0710	1015

FOR INFORMATION ONLY

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side)[UET]

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FOR INFORMATION ONLY

			Date:	3-18-19	3/19/19	3/20/19	3-21-19	3/22/19	3/23/19	3/24/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat	Sun.
			Initials:	PT						
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	South basement supply filter plenum (HVP-841) ΔP	[1]PDI-894-1	≤2.0 & > 0[1] in. wc	.03	.03	.03	.03	.03	.03	.03
		PDI-894-2	≤2.0 & > 0[1] in. wc	.41	.41	.41	.41	.41	.41	.43
4.1.3.4[2]	South Corridor supply (HVP-810) ΔP	[1]PDI-895-1	≤2.0 & > 0[1] in. wc	.05	.06	.06	.06	.06	.06	3/24/19 .06
		PDI-895-2	≤2.0 & > 0[1] in. wc	.67	.69	.69	.69	.69	.69	.69
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF854) ΔP	[1]PDI-817-1	≤2.0 & > 0[1] in. wc	.28	.28	.28	.30	.28	.28	STBY
		PDI-817-2	≤2.0 & > 0[1] in. wc	.30	.30	.30	.30	.30	.30	STBY
		PDI-817-4	≤2.0 & > 0[1] in. wc	.31	.31	.31	.31	.32	.32	STBY
		PDI-817-5	≤2.0 & > 0[1] in. wc	.31	.30	.30	.30	.30	.30	STBY
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF858) ΔP	PDI-81 9-1	≤2.0 & > 0[1] in. wc	.43	.43	.44	.44	.44	.43	STBY
		PDI-81 9-3	≤2.0 & > 0[1] in. wc	.39	.45	.45	.45	.45	.45	STBY
		PDI-819-4	≤2.0 & > 0[1] in. wc	.39	.39	.39	.40	.40	.40	STBY
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF855) ΔP	[1]PDI-818-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	.75
		PDI-818-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	.38
		PDI-818-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	.30
		PDI-818-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	.30
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF859) ΔP	PDI-821-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	.42
		PDI-821-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	.47
		PDI-821-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	.41

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

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			Date:	3-18-19	3/19/19	3/20/19	3-21-19	3/22/19	3/23/19	3/24/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT						
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF856) ΔP	[1]PDI-822-1	≤2.0 & > 0[1] in. wc	.12	.12	.12	.12	.12	.12	STBY
		PDI-822-2	≤2.0 & > 0[1] in. wc	.58	.58	.58	.58	.58	.58	STBY
		PDI-822-4	≤2.0 & > 0[1] in. wc	.42	.42	.42	.42	.42	.42	STBY
		PDI-822-5	≤2.0 & > 0[1] in. wc	.58	.57	.57	.57	.57	.57	STBY
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF857) ΔP	[1]PDI-823-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	.07
		PDI-823-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	.53
		PDI-823-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	.49
		PDI-823—5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	.61
4.1.3.4[2]	South Basement exhaust filter plenum (FF-829) ΔP	[1]PDI-830-1	≤2.0 & > 0[1] in. wc	.26	.23	.17	.17	.16	.16	.24
		PDI-830-2	≤2.0 & > 0[1] in. wc	.12	.12	.10	.10	.10	.11	.11
		PDI-830-3	≤2.0 & > 0[1] in. wc	.11	.11	.09	.09	.08	.09	.10
4.1.1.7[2]	300 area re-circulation filter plenum (HVP-805) ΔP	[1]PDI-836-1	≤2.0 & > 0[1] in. wc	.06	.06	.06	.06	.06	.06	.06
		PDI-836-2	≤2.0 & > 0[1] in. wc	.68	.67	.65	.65	.65	.65	.66
		PDI-836-3	≤2.0 & > 0[1] in. wc	.66	.65	.66	.65	.65	.66	.65
	300 area re-circulation filter plenum (HVP-806) ΔP	[1]PDI-837-1	≤2.0 & > 0[1] in. wc	.04	.04	.04	.04	.04	.04	.04
		PDI-837-2	≤2.0 & > 0[1] in. wc	.49	.49	.49	.49	.48	.48	.48
		PDI-837-3	≤2.0 & > 0[1] in. wc	.45	.46	.46	.45	.46	.47	.47

FOR INFORMATION ONLY

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

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			Date:	3-18-19	3/19/19	3/20/19	3-21-19	3/22/19	3/23/19	3/24/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT						
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.1.7[2]	400 area re-circulation filter plenum (HVP-807) ΔP	[1]PDI-838-1	≤2.0 & > 0[1] in. wc	.55	.55	.55	.55	.55	.55	.55
		PDI-838-2	≤2.0 & > 0[1] in. wc	.60	.59	.59	.59	.59	.59	.59
		PDI-838-3	≤2.0 & > 0[1] in. wc	.60	.59	.59	.59	.59	.59	.59
	400 area re-circulation filter plenum (HVP-808) ΔP	[1]PDI-839-1	≤2.0 & > 0[1] in. wc	.40	.40	.40	.39	.40	.40	.40
		PDI-839-2	≤2.0 & > 0[1] in. wc	.52	.52	.52	.52	.52	.52	.52
		PDI-839-3	≤2.0 & > 0[1] in. wc	.52	.52	.52	.52	.52	.52	.52
4.1.3.4[2]	South Bleed off filter plenum (FF-822A) ΔP	[1]PDI-810-1	≤2.0 & > 0[1] in. wc	.15	.16	.16	.16	.16	.16	.16
		PDI-810-2	≤2.0 & > 0[1] in. wc	.52	.55	.55	.55	.55	.55	.55
		PDI-810-3	≤2.0 & > 0[1] in. wc	.50	.51	.51	.51	.51	.51	.51
4.1.3.4[2]	South Bleed off filter plenum (FF-822B) ΔP	[1]PDI -811 - 1	≤2.0 & > 0[1] in. wc	OFF	off	off	off	off	off	off
		PDI -811 -2	≤2.0 & > 0[1] in. wc	OFF	off	off	off	off	off	off
		PDI -811 -3	≤2.0 & > 0[1] in. wc	OFF	off	off	off	off	off	off
			Completion Time	1113	0745	1000	0916	0840	0857	1018
OC Operator Review and Page Count Complete (initials)				PT	MJW	MJW	MJW			

[1] Non TSR requirement

[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR 4.1.3.4 apply during both Mode 1 and Mode 2 as stated in LCO 3.1.3.

Completed by: Jerome M. Date 3/24/19 Time 1018 Reviewed by: _____ Date: 3/25/2019 Time: 1324

On-duty Supervisor

Comments Flammable gas channel is OOS. Needs to be Replaced

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

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NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

			Date:	3/18/19	3/19/19	3.20.19	3/21/19	3/22/19	3/23/19	3/24/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	JL		RH	BF			
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.1.7[2]	Vault re-circulation filter plenum (HVP-811) ΔP Vault re-circulation filter plenum (HVP-812) ΔP	[1]PDI-840-1	≤2.0 & > 0[1] in. wc	.18	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-840-2	≤2.0 & > 0 in[1]. wc	.57	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-840-3	≤2.0 & > 0[1] in. wc	.51	STBY	STBY	STBY	STBY	STBY	STBY
		[1]PDI-841-1	≤2.0 & > 0[1] in. wc	STBY	.47	.46	.46	.46	.46	.46
		PDI-841-2	≤2.0 & > 0[1] in. wc	STBY	.57	.58	.58	.57	.57	.57
		PDI-841-3	≤2.0 & > 0[1] in. wc	STBY	.51	.51	.51	.51	.51	.51
	200 area re-circulation filter plenum (HVP-801) ΔP	[1]PDI-831-1	≤2.0 & > 0[1] in. wc	.34	.33	.33	.34	.33	.33	.33
		PDI-831-2	≤2.0 & > 0[1] in. wc	.42	.41	.41	.42	.41	.41	.41
		PDI-831-3	≤2.0 & > 0[1] in. wc	.40	.40	.40	.40	.40	.40	.40
	200 area re-circulation filter plenum (HVP-802) ΔP	[1]PDI-832-1	≤2.0 & > 0[1] in. wc	.46	.45	.46	.45	.45	.45	.45
		PDI-832-2	≤2.0 & > 0[1] in. wc	.68	.68	.68	.68	.68	.68	.68
		PDI-832-3	≤2.0 & > 0[1] in. wc	.61	.61	.61	.61	.61	.61	.61
4.1.3.4[2]	North Bleed off filter plenum (FF-820A) ΔP	[1]PDI-807-1	≤2.0 & > 0[1] in. wc	OFF	off	OFF	OFF	off	off	off
		PDI-807-2	≤2.0 & > 0[1] in. wc	OFF	off	OFF	OFF	off	off	off
		PDI-807-3	≤2.0 & > 0[1] in. wc	OFF	off	OFF	OFF	off	off	off
4.1.3.4[2]	North Bleed off filter plenum (FF-820B) ΔP	[1]PDI-809-1	≤2.0 & > 0[1] in. wc	.07	.07	.08	.08	.07	.07	.07
		PDI-809-2	≤2.0 & > 0[1] in. wc	.52	.51	.51	.51	.51	.51	.51
		PDI-809-3	≤2.0 & > 0[1] in. wc	.50	.50	.50	.5:	.50	.50	.50

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

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			Date:	3/18/19	3/19/19	3-20-19	3/21/19	3/22/19	3/23/19	3/24/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:			RA	BF			
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.3.4[2]	North Basement exhaust filter plenum (FF-828) ΔP	[1]PDI-829-1	≤2.0 & > 0[1] in. wc	.35	.34	.41	.38	.39	.34	.34
		PDI-829-2	≤2.0 & > 0[1] in. wc	.51	.51	.59	.58	.58	.52	.51
		PDI-829-3	≤2.0 & > 0[1] in. wc	.42	.42	.47	.48	.47	.42	.42
4.1.1.7[2]	100 area re-circulation filter plenum (HVP-803) ΔP	[1]PDI-833-1	≤2.0 & > 0[1] in. wc	.08	.08	.08	.08	.08	.08	.08
		PDI-833-2	≤2.0 & > 0[1] in. wc	.54	.53	.52	.53	.53	.54	.52
		PDI-833-3	≤2.0 & > 0[1] in. wc	.51	.51	.50	.51	.51	.51	.51
	100 area re-circulation filter plenum (HVP-804) ΔP	[1]PDI-835-1	≤2.0 & > 0[1] in. wc	.05	.05	.05	.05	.05	.05	.65
		PDI-835-2	≤2.0 & > 0[1] in. wc	.50	.50	.50	.50	.50	.50	.50
		PDI-835-3	≤2.0 & > 0[1] in. wc	.52	.51	.50	.51	.51	.51	.51
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF852) ΔP	[1]PDI-815-1	≤2.0 & > 0[1] in. wc	.24	.22	.22	.25	.22	.22	STBY
		PDI-815-2	≤2.0 & > 0[1] in. wc	.57	.58	.58	.58	.58	.58	STBY
		PDI-815-4	≤2.0 & > 0[1] in. wc	.49	.49	.49	.49	.49	.49	STBY
		PDI-815-5	≤2.0 & > 0[1] in. wc	.50	.51	.51	.51	.51	.51	STBY
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF853) ΔP	[1]PDI-816-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	.48
		PDI-816-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	.57
		PDI-816-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	.52
		PDI-816-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	.55

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 3 of 5)

				Date:	3/18/19	3/19/19	3.20.19	3/21/19	3/22/19	3/23/19	3/24/19
				Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
				Initials:	YL		ZH	BF			
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**							
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF850) ΔP	[1]PDI-812-1	≤2.0 & > 0[1] in. wc	.14	.13	.13	.12	.13	.13	STBY
		PDI-812-2	≤2.0 & > 0[1] in. wc	.31	.31	.31	.31	.30	.30	STBY
		PDI-812-3	≤2.0 & > 0[1] in. wc	.29	.31	.31	.32	.31	.31	STBY
		PDI-812-4	≤2.0 & > 0[1] in. wc	.29	.30	.30	.29	.29	.29	STBY
		PDI-812-5	≤2.0 & > 0[1] in. wc	.35	.34	.34	.35	.34	.34	STBY
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF851) ΔP	[1]PDI-813-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	.08
		PDI-813-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	.25
		PDI-813-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	.21
		PDI-813-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	.29
		PDI-813-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	.38
4.1.3.4[2]	IFIT exhaust filter plenum (FF-865) ΔP	[1]PDI-865-1	≤2.0 & > 0[1] in. wc	.03	.03	.03	.02	.03	.03	.03
		PDI-865-2	≤2.0 & > 0[1] in. wc	.38	.38	.38	.38	.38	.38	.38
		PDI-865-3	≤2.0 & > 0[1] in. wc	.32	.32	.31	.32	.32	.32	.32
4.1.3.4[2]	IFIT supply filter plenum (HVP-863) ΔP	[1]PDI-863-1	≤2.0 & > 0[1] in. wc	.06	.06	.05	.05	.05	.05	.05
		PDI-863-2	≤2.0 & >0[1] in. wc	.31	.31	.30	.31	.31	.31	.31

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 4 of 5)

			Date:	3/18/19	3/19/19	3-20-19	3/21/19	3/22/19	3/23/19	3/24/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:			RH/	BF/			
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS**						
4.1.3.4[2]	North Basement supply filter plenum (HVP-840) ΔP	[1]PDI-857-1	≤ 2.0 & > 0[1] in. wc	.10	.10	.10	.10	.10	.10	.10
		PDI-857-2	≤2.0 & > 0[1] in. wc	.42	.43	.42	.42	.43	.43	.43
4.1.3.4[2]	North corridor supply filter plenum (HVP-809) ΔP	[1]PDI-856-1	≤2.0 & > 0[1] in. wc	.05	.05	.05	.05	.05	.05	.05
		PDI-856-2	≤2.0 & > 0[1] in. wc	.54	.54	.55	.55	.54	.54	.54
[1]NA	**Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C**		**0 lb/ft² combustibles in designated exclusion area (within 15 feet of fans)**	SAT	SAT	SAT	SAT / SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 201		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 204		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 5 of 5)

			Date:	3/18/19	3/19/19	3-20-19	3/21/19	3/22/19	3/23/19	3/24/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	TL	[illegible]	RLL	BF	[illegible]	[illegible]	[illegible]
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS**						
4.3.2.2[2]	Room 206		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 207		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
			Completion time	1100	0730	0958	0909	0840	0730	1019
			OC Operator Review and Page Count Complete (initials)	MJW	MJW	MJW	MJW	[illegible]	[illegible]	[illegible]

[1] Non TSR requirement

[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR's 4.1.3.4 and 4.3.2.2 apply during both Mode 1 and Mode 2.

Note: Rooms 201, 206 & 207 **must be** entered for surveillance even if they are red lit, room 204 can be viewed through the window. Notify the Operations Center of any rooms that are unable to be entered for the performance of rounds, Operations Center will make a logbook entry recording the room(s) and reason(s) for non-entry. Document in the comments section any room(s) and reason(s) they were unable to be entered for rounds.

Completed by: Serome M. Date 3/24/19 Time 1019 Reviewed by: _____ Date: 3/25/2019 Time: 1320

On-duty Supervisor

Comments: _____

FOR INFORMATION ONLY

ATTACHMENT C: Non-PF-4 Daily Surveillance Rounds [UET]

(Page 1 of 1)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

M&TE Calibrated Data						
Record September through April only	PF-10 Thermometer File No.:	039746	PF-10 Thermistor File No.:	103765	V-701 Thermistor File No.:	103761
	Calibration Expiration Date:	6/15/19	Calibration Expiration Date:	7/23/19	Calibration Expiration Date:	7/23/19
	PF-11 Thermometer File No.:	039745	PF-11 Thermistor File No.:	105353	V-704 Thermistor File No.:	040375
	Calibration Expiration Date:	6/15/19	Calibration Expiration Date:	8/7/19	Calibration Expiration Date:	8/7/19

PF-10 & PF-11 Pump house Room Temperature and V-701 & V-704 Fire Water Storage Tank Temperature									
Daily (September through April only)		Date:	3/18/19	3/19/18	3/20/19	3/21/19	3/22/19	3/23/19	3/24/19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	SO	SO	[illegible]	[illegible]	AHS	[illegible]	[illegible]
SR	**Description**	**Acceptance Criteria**							
NA	ENSURE *M&TE Calibration Data* above is recorded and calibration dates have not elapsed.	Calibration dates have not elapsed.	SAT /UNSAT	SAT /UNSAT	SAT /UNSAT	SAT /UNSAT	SAT /UNSAT	SAT /UNSAT	SAT /UNSAT
4.3.1.1[1]	RECORD fire water storage tank V-701 temperature	≥ 42.1 F	54.6	54.8	54.7	54.6	54.0	54.1	54.3
4.3.1.1[1]	RECORD fire water storage tank V-704 temperature	≥ 42.1 F	53.2	52.7	51.9	51.6	50.6	51.5	51.5
4.3.1.3[1]	RECORD PF-10 room temperature	≥ 50.1 F	61.6	61.7	61.7	62.1	64.2	64.0	65
4.3.1.3[1]	RECORD PF-11 room temperature	≥ 50.1 F	67.9	66.8	67.3	66.1	65.8	52.7	55.6
		Completion Time:	0831	0830	0748	0750	0819	0941	0947
OC Operator Review and Page Count Complete (initials)			MSW	MSW	MSW	MSW	[illegible]	[illegible]	[illegible]

[1] Temperatures should be recorded using Reference Thermometer FLUKE Model 1524 connected to Thermistor Probe Fluke Model 5610-9 (or approved engineered equivalent).

Completed by: [illegible] Date 3/24/19 Time 0953

Reviewed by: [illegible] Date: 4/1/2019 Time: 0956

On-duty Supervisor

Comments: _____

FOR INFORMATION ONLY

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 1 of 3)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

Note Gauge readings should be taken on rack #4 in the OC. whenever possible. Document if alternate PDIs are used.		**Date:**	3/25/19		3/26/19		3/27/19		3/28/19		3/29/19		3/30/19		3/31/19	
		Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
		Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
		Initials:	ARD	M	ARD	JSC	[illegible]	JSC	[illegible]	JSC	ARD	M	[illegible]	M	ARD	M
SRs	**Description**	**Gauge Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**													
4.1.1.1 4.1.2.1[2]	**200 area glovebox exhaust header ΔP**	PDI-814-1 or PDI-814-2 ≤-1.0 in. wc[1]	-1.99	-2.00	-2.01	-1.99	-2.00	-2.00	-2.00	-2.00	-1.99	-2.00	-1.99	-1.99	-2.00	-1.99
	100 area glovebox exhaust header ΔP	PDI-820-1 or PDI-820-2 ≤-1.0 in. wc[1]	-1.93	-1.94	-1.94	-1.94	-1.94	-1.94	-1.97	-1.93	-1.93	-1.93	-1.93	-1.94	-1.94	-1.93
	300 area glovebox exhaust header ΔP	PDI-870-1 or PDI-870-2 ≤-1.0 in. wc[1]	-2.02	-2.02	-2.02	-2.01	-2.01	-2.00	-2.00	-2.01	-2.01	-2.01	-2.03	-2.02	-2.01	-2.02
	400 area glovebox exhaust header ΔP	PDI-864-1 or PDI-864-2 ≤-1.0 in. wc[1]	-2.02	-2.02	-2.03	-2.03	-2.01	-2.02	-2.03	-2.02	-2.03	-2.02	-2.02	-2.02	-2.02	-2.02
4.1.1.2 4.1.1.5 4.1.2.2[2]	**200 area laboratory header ΔP**	PDI-803-1 or PDI-803-2 ≤-0.05 in. wc[1]	-.19	-.21	-.19	-0.21	-0.20	-0.21	-0.20	-0.21	-.19	-.21	-.19	-.20	-.19	-.20
	100 area laboratory header ΔP	PDI-802-1 or PDI-802-2 ≤-0.05 in. wc[1]	-.25	-.26	-.25	-0.26	-0.26	-0.26	-0.25	-0.26	-.25	-.27	-.25	-.26	-.25	-.25
	300 area laboratory header ΔP	PDI-853-1 or PDI-853-2 ≤-0.05 in. wc[1]	-.20	-.20	-.19	-0.20	-0.19	-0.21	-0.21	-0.20	-.19	-.21	-.20	-.21	-.19	-.20
	400 area laboratory header ΔP	PDI-852-1 or PDI-852-2 ≤-0.05 in. wc[1]	-.20	-.20	-.19	-0.19	-0.19	-0.20	-0.20	-0.19	-.19	-.21	-.19	-.20	-.25	-.20
	IFIT Facility ΔP	PDI-865-4 or PDI-865-5 ≤-0.05 in. wc	-.15	-.15	-.15 -.09	-0.15	-0.15	-0.15	-0.15	-0.15	-.15	-.15	-.15	-.15	-.15	-.15
4.1.1.3 4.1.2.3[2]	**North basement ΔP**	PDI-804-1 or PDI-804-2 < 0.00 in. wc	-.09	-.09	-.86	-0.09	-0.09	-0.08	-0.10	-0.09	-.09	-.09	-.09	-.09	-.09	-.09
	South basement ΔP	PDI-854-1 or PDI-854-2 < 0.00 in. wc	-.08	-.08	-.08	-0.08	-0.08	-0.08	-0.08	-0.08	-.08	-.08	-.09	-.08	-.08	-.08
	IRT Tunnel ΔP	PDT-901 or PDI-901 < 0.00 in. wc	-.083	-.092	-.092	-0.077	-0.091	-0.090	-0.080	-0.091	-.080	-.080	-.079	-.090	-.087	-.094

FOR INFORMATION ONLY

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 2 of 3)

Note: Readings should be taken using FCS screens FMT#151,152,201LD and 202LD. Field verification and local plenum PDI's may be used if FCS is unavailable.				Date:	3/25/19		3/26/19		3/27/19		3/28/19		3/29/19		3/30/19		3/31/19	
				Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
				Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
				Initials:	APJ	m	APJ	JSL		JSL		JSL	APJ	m		m	APJ	m
SRs	**Description**	**Readings**	**Acceptance Criteria**	**SURVEILLANCE RESULTS Sat / Unsat (circle one)**														
4.1.1.6	**200 area re-circulation fan/ plenum**	FR-801 Icon red and PDT-831 ΔP >.050 or FR-802 Icon red and PDT-832 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	100 area re-circulation fan/ plenum	FR-803 Icon red and PDT-833 ΔP >.050 or FR-804 Icon red and PDT-835 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	300 area re-circulation fan/ plenum	FR-805 Icon red and PDT-836 ΔP >.050 or FR-806 Icon red and PDT-837 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	400 area re-circulation fan/ plenum	FR-807 Icon red and PDT-838 ΔP >.050 or FR-808 Icon red and PDT-839 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	Vault re-circulation fan/ plenum	FR-811 Icon red and PDT-840 ΔP >.050 or FR-812 Icon red and PDT-841 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat

FOR INFORMATION ONLY

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 3 of 3)

Note
Gauge readings should be taken on rack #4 in the OC when possible, local PDI equivalents may be used if necessary. Document any alternate PDIs used.

				Date:	3/25/19		3/26/19		3/27/19		3/28/19		3/29/19		3/30/19		3/31/19	
				Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
				Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
				Initials:	APJ	M	APJ	JSL		JSL		JSL	APJ	M	M	M	APJ	M
SRs	**Description**	**Area**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS** Sat / Unsat (circle one)													
4.1.1.4	**Glovebox exhaust header ΔPs < laboratory ΔPs < basement ΔPs for areas 100, 200, 300 and 400**	200 Area	PDI-814-2 PDI-803-2 PDI-804-2	PDI-814-2 < PDI-803-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		100 Area	PDI-820-2 PDI-802-2 PDI-804-2	PDI-820-2 < PDI-802-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		300 Area	PDI-870-2 PDI-853-2 PDI-854-2	PDI-870-2 < PDI-853-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		400 Area	PDI-864-2 PDI-852-2 PDI-854-2	PDI-864-2 < PDI-852-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		Completion Time			0734	3/25/19 M ~~0722~~ 1922	0731	1925	0725	1926	0723	0720	0731	1917	0728	1927	0732	1927
					MJW	JL	MJW	JL	MJW	JL	MJW							

[1] Mode 2 acceptance criteria is < 0.00 in. wc.
[2] SRs 4.1.2.x only apply during Mode 2 in accordance with LCO 3.1.2.

Completed by: [signature] Date 3/31/19 Time 1927 Reviewed by: [signature] On-duty Supervisor Date: 4/1/2019 Time: 0458

Comments: _____

FOR INFORMATION ONLY

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

SR 4.4.1.1, The OPERABILITY acceptance criterion for this surveillance is:
The FLAMMABLE GAS detector in the FSTF FLAMMABLE GAS SOURCE storage cabinet is exposed to the ambient atmosphere in the storage cabinet. The gas concentration readout directly on the detector in the storage cabinet is compared with the gas concentration readout on the system control and alarm panel. The difference between the two readings is checked to VERIFY it is in the range of (≥-0.1; ≤0.1).

		Date:	3/25/19	3/26/19	3-27-19	3-28-19	3-29-19	3-30-19	3-31-19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	[illegible]	BF	[illegible]	AAS	AAS	PT	PT
SR 4.4.1.1	Description / Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (percentage)						
	Flammable Gas Channel Check DET-305-3 (LCD Reading)	NA	005	005	005	005	005	005	005
	CP-305-H (LED Reading)		005	005	005	005	005	005	005
	(DET-305-3) – (CP-305H) (LCD Reading) (LED Reading)	Record Calculated Value	005	005	005	005	005	005	005
		≥ -0.1; ≤+0.1	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005
		Completion Time:	0715	0830	0729	0904	0813	0720	0749

FOR INFORMATION ONLY

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side)[UET]

(Page 2 of 4)

			Date:	3/25/19	3/26/19	3-27-19	3-28-19	3-29-19	3-30-19	3 31 19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:		BP		ADS	MAS	PT	PT
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	South basement supply filter plenum (HVP-841) ΔP	[1]PDI-894-1	≤2.0 & > 0[1] in. wc	.04	.04	.04	.04	.04	.04	.04
		PDI-894-2	≤2.0 & > 0[1] in. wc	.45	.45	.45	.45	.45	.43	.43
4.1.3.4[2]	South Corridor supply (HVP-810) ΔP	[1]PDI-895-1	≤ 2.0 & > 0[1] in. wc	.06	.06	.06	.08	.06	.06	.07
		PDI-895-2	≤2.0 & > 0[1] in. wc	.70	.70	.70	.70	.70	.70	.70
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF854) ΔP	[1]PDI-817-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-817-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-817-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-817-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF858) ΔP	PDI-81 9-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-81 9-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-819-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF855) ΔP	[1]PDI-818-1	≤2.0 & > 0[1] in. wc	.24	.24	.24	.25	.25	.25	.25
		PDI-818-2	≤2.0 & > 0[1] in. wc	.30	.32	.32	.31	.30	.31	.31
		PDI-818-4	≤2.0 & > 0[1] in. wc	.30	.29	.29	.31	.31	.31	.31
		PDI-818-5	≤2.0 & > 0[1] in. wc	.30	.30	.30	.31	.31	.31	.31
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF859) ΔP	PDI-821-1	≤2.0 & > 0[1] in. wc	.41	.41	.41	.42	.41	.41	.41
		PDI-821-3	≤2.0 & > 0[1] in. wc	.47	.44	.45	.48	.49	.49	.49
		PDI-821-4	≤2.0 & > 0[1] in. wc	.41	.41	.41	.41	.41	.41	.41

FOR INFORMATION ONLY

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 3 of 4)

				Date:	3/25/19	3/26/19	3-27-19	3-28-19	3-29-19	3-30-19	3-31-19
				Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
				Initials:	[illegible]	BF	AS	AAS	AAS	JT	JT
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**							
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF856) ΔP	[1]PDI-822-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-822-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-822-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-822-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF857) ΔP	[1]PDI-823-1	≤2.0 & > 0[1] in. wc	.06	.06	.06	.06	.06	.06	.06
		PDI-823-2	≤2.0 & > 0[1] in. wc	.55	.55	.55	.58	.59	.59	.59
		PDI-823-4	≤2.0 & > 0[1] in. wc	.49	.49	.49	.49	.49	.49	.49
		PDI-823—5	≤2.0 & > 0[1] in. wc	.61	.61	.61	.62	.61	.61	.62
4.1.3.4[2]	South Basement exhaust filter plenum (FF-829) ΔP	[1]PDI-830-1	≤2.0 & > 0[1] in. wc	.24	.20	.22	.22	.21	.25	.24
		PDI-830-2	≤2.0 & > 0[1] in. wc	.11	.12	.12	.12	.12	.12	.12
		PDI-830-3	≤2.0 & > 0[1] in. wc	.10	.10	.10	.11	.10	.10	.10
4.1.1.7[2]	300 area re-circulation filter plenum (HVP-805) ΔP	[1]PDI-836-1	≤2.0 & > 0[1] in. wc	.06	.06	.06	.07	.07	.07	.07
		PDI-836-2	≤2.0 & > 0[1] in. wc	.65	.66	.65	.66	.65	.65	.65
		PDI-836-3	≤2.0 & > 0[1] in. wc	.66	.67	.66	.68	.68	.67	.68
	300 area re-circulation filter plenum (HVP-806) ΔP	[1]PDI-837-1	≤2.0 & > 0[1] in. wc	.04	.04	.04	.04	.04	.04	.04
		PDI-837-2	≤2.0 & > 0[1] in. wc	.49	.48	.48	.49	.49	.48	.49
		PDI-837-3	≤2.0 & > 0[1] in. wc	.46	.48	.45	.46	.44	.45	.45

FOR INFORMATION ONLY

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 4 of 4)

			Date:	3/25/19	3/26/19	3-27-19	3-28-19	3-29-19	3-30-19	3-31-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	JR	BP	AJ	MAS	AMS	PT	PT
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.1.7[2]	400 area re-circulation filter plenum (HVP-807) ΔP	[1]PDI-838-1	≤2.0 & > 0[1] in. wc	.55	.56	.56	.55	.55	.56	.55
		PDI-838-2	≤2.0 & > 0[1] in. wc	.60	.60	.60	.60	.60	.60	.60
		PDI-838-3	≤2.0 & > 0[1] in. wc	.59	.60	.60	.59	.59	.59	.59
	400 area re-circulation filter plenum (HVP-808) ΔP	[1]PDI-839-1	≤2.0 & > 0[1] in. wc	.40	.40	.40	.40	.40	.40	.40
		PDI-839-2	≤2.0 & > 0[1] in. wc	.51	.52	.52	.52	.51	.52	.52
		PDI-839-3	≤2.0 & > 0[1] in. wc	.51	.52	.51	.52	.51	.52	.52
4.1.3.4[2]	South Bleed off filter plenum (FF-822A) ΔP	[1]PDI-810-1	≤2.0 & > 0[1] in. wc	.16	.17	.16	.16	.17	.17	.17
		PDI-810-2	≤2.0 & > 0[1] in. wc	.55	.58	.55	.55	.58	.58	.58
		PDI-810-3	≤2.0 & > 0[1] in. wc	.51	.52	.51	.51	.55	.52	.52
4.1.3.4[2]	South Bleed off filter plenum (FF-822B) ΔP	[1]PDI -811 - 1	≤2.0 & > 0[1] in. wc	off	OFF	OFF	OFF	OFF	OFF	OFF
		PDI -811 -2	≤2.0 & > 0[1] in. wc	off	OFF	OFF	OFF	OFF	OFF	OFF
		PDI -811 -3	≤2.0 & > 0[1] in. wc	off	OFF	OFF	OFF	OFF	OFF	OFF
			Completion Time	1059	0930	0945	0836	0811	0733	0733
OC Operator Review and Page Count Complete (initials)				✓ AJ MJW	AJ ✓ MJW	✓ MJW	✓ MJW	AJ ✓	AJ ✓	✓

[1] Non TSR requirement

[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR 4.1.3.4 apply during both Mode 1 and Mode 2 as stated in LCO 3.1.3.

Completed by: Joel Trujillo Date 3-31-19 Time 0733 Reviewed by: _____ Date: 4/1/2019 Time: 1000

On-duty Supervisor

Comments _____

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 1 of 5)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

			Date:	3/25/19	3/26/19	3-27-19	3/28/19	3-29-19	3-30-19	3-31-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	JW	BF	DS	DF	DS	PT	PT
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.1.7[2]	Vault re-circulation filter plenum (HVP-811) ΔP Vault re-circulation filter plenum (HVP-812) ΔP	[1]PDI-840-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-840-2	≤2.0 & > 0 in[1]. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-840-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		[1]PDI-841-1	≤2.0 & > 0[1] in. wc	.47	.47	.47	.47	.47	.47	.46
		PDI-841-2	≤2.0 & > 0[1] in. wc	.57	.57	.57	.57	.57	.57	.58
		PDI-841-3	≤2.0 & > 0[1] in. wc	.51	.51	.51	.52	.51	.51	.51
	200 area re-circulation filter plenum (HVP-801) ΔP	[1]PDI-831-1	≤2.0 & > 0[1] in. wc	.33	.33	.33	.33	.33	.33	.33
		PDI-831-2	≤2.0 & > 0[1] in. wc	.41	.42	.42	.43	.42	.41	.41
		PDI-831-3	≤2.0 & > 0[1] in. wc	.40	.40	.39	.40	.39	.39	.39
	200 area re-circulation filter plenum (HVP-802) ΔP	[1]PDI-832-1	≤2.0 & > 0[1] in. wc	.45	.46	.46	.46	.46	.46	.46
		PDI-832-2	≤2.0 & > 0[1] in. wc	.68	.68	.68	.68	.68	.68	.68
		PDI-832-3	≤2.0 & > 0[1] in. wc	.61	.61	.61	.61	.61	.61	.61
4.1.3.4[2]	North Bleed off filter plenum (FF-820A) ΔP	[1]PDI-807-1	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		PDI-807-2	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		PDI-807-3	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
4.1.3.4[2]	North Bleed off filter plenum (FF-820B) ΔP	[1]PDI-809-1	≤2.0 & > 0[1] in. wc	.07	.07	.07	.07	.07	.07	.08
		PDI-809-2	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51	.51	.51	.51
		PDI-809-3	≤2.0 & > 0[1] in. wc	.50	.50	.50	.50	.50	.50	.51

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 2 of 5)

			Date:	3/25/19	3/26/19	3-27-19	3/28/19	3-29-19	3-30-19	3-31-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	[illegible]	BF	[illegible]	BF	[illegible]	PT	PT
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.3.4[2]	North Basement exhaust filter plenum (FF-828) ΔP	[1]PDI-829-1	≤2.0 & > 0[1] in. wc	.33	.35	.35	.32	.33	.34	.36
		PDI-829-2	≤2.0 & > 0[1] in. wc	.51	.52	.50	.50	.50	.51	.53
		PDI-829-3	≤2.0 & > 0[1] in. wc	.41	.43	.40	.40	.40	.41	.43
4.1.1.7[2]	100 area re-circulation filter plenum (HVP-803) ΔP	[1]PDI-833-1	≤2.0 & > 0[1] in. wc	.08	.08	.07	.08	.08	.07	.08
		PDI-833-2	≤2.0 & > 0[1] in. wc	.52	.52	.52	.53	.52	.52	.53
		PDI-833-3	≤2.0 & > 0[1] in. wc	.50	.50	.51	.51	.51	.51	.51
	100 area re-circulation filter plenum (HVP-804) ΔP	[1]PDI-835-1	≤2.0 & > 0[1] in. wc	.05	.06	.05	.06	.05	.05	.05
		PDI-835-2	≤2.0 & > 0[1] in. wc	.50	.50	.49	.50	.50	.50	.50
		PDI-835-3	≤2.0 & > 0[1] in. wc	.50	.50	.50	.50	.50	.50	.50
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF852) ΔP	[1]PDI-815-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-815-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-815-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-815-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF853) ΔP	[1]PDI-816-1	≤2.0 & > 0[1] in. wc	.48	.47	.47	.48	.48	.48	.48
		PDI-816-2	≤2.0 & > 0[1] in. wc	.57	.58	.58	.59	.59	.59	.59
		PDI-816-4	≤2.0 & > 0[1] in. wc	.51	.52	.52	.52	.52	.52	.52
		PDI-816-5	≤2.0 & > 0[1] in. wc	.56	.55	.55	.55	.55	.55	.55

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 3 of 5)

			Date:	3/25/19	3/26/19	3-27-19	3/28/19	3-29-19	3-30-19	3-31-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	[illegible]	BF	[illegible]	BF	[illegible]	PT	PT
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF850) ΔP	[1]PDI-812-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-812-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-812-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-812-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-812-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF851) ΔP	[1]PDI-813-1	≤2.0 & > 0[1] in. wc	.08	.08	.08	.08	.08	.08	.08
		PDI-813-2	≤2.0 & > 0[1] in. wc	.25	.25	.25	.26	.26	.25	.25
		PDI-813-3	≤2.0 & > 0[1] in. wc	.21	.20	.22	.21	.22	.20	.22
		PDI-813-4	≤2.0 & > 0[1] in. wc	.29	.30	.29	.30	.29	.29	.29
		PDI-813-5	≤2.0 & > 0[1] in. wc	.37	.38	.38	.38	.38	.36	.35
4.1.3.4[2]	IFIT exhaust filter plenum (FF-865) ΔP	[1]PDI-865-1	≤2.0 & > 0[1] in. wc	.02	.02	.02	.02	.02	.02	.02
		PDI-865-2	≤2.0 & > 0[1] in. wc	.38	.39	.39	.40	.39	.39	.39
		PDI-865-3	≤2.0 & > 0[1] in. wc	.32	.32	.32	.32	.32	.32	.32
4.1.3.4[2]	IFIT supply filter plenum (HVP-863) ΔP	[1]PDI-863-1	≤2.0 & > 0[1] in. wc	.05	.05	.05	.05	.05	.05	.05
		PDI-863-2	≤2.0 & >0[1] in. wc	.29	.30	.30	.31	.30	.30	.30

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 4 of 5)

			Date:	3/25/19	3/26/19	3-27-19	3/28/19	3-29-19	3-30-19	3-31-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	[illegible]	BF	DJ	Br	DJ	PT	PT
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS**						
4.1.3.4[2]	North Basement supply filter plenum (HVP-840) ΔP	[1]PDI-857-1	≤ 2.0 & > 0[1] in. wc	.11	.10	.10	.10	.10	.10	.10
		PDI-857-2	≤2.0 & > 0[1] in. wc	.43	.44	.44	.46	.44	.43	.43
4.1.3.4[2]	North corridor supply filter plenum (HVP-809) ΔP	[1]PDI-856-1	≤2.0 & > 0[1] in. wc	.05	.05	.05	.05	.05	.05	.05
		PDI-856-2	≤2.0 & > 0[1] in. wc	.56	.57	.57	.57	.57	.57	.57
[1]NA	**Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C**		**0 lb/ft² combustibles in designated exclusion area (within 15 feet of fans)**	SAT	SAT	Sat	SAT	Sat	SAT	SAT
4.3.2.2[2]	Room 201		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	Sat	Br 3/27/19 ~~USAT~~ SAT	Sat	SAT	SAT
4.3.2.2[2]	Room 204		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	Sat	SAT	Sat	SAT	SAT

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 5 of 5)

			Date:	3/25/19	3/26/19	3-27-19	3/28/19	3-29-19	3.30.19	3-31-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:		BF		BF		PT	PT
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS**						
4.3.2.2[2]	Room 206		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 207		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
			Completion time	1059	0940	1030	0810	0818	0800	0800
			OC Operator Review and Page Count Complete (initials)	MJW	MJW	MJW	MJW			

[1] Non TSR requirement

[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR's 4.1.3.4 and 4.3.2.2 apply during both Mode 1 and Mode 2.

Note: Rooms 201, 206 & 207 **must be** entered for surveillance even if they are red lit, room 204 can be viewed through the window. Notify the Operations Center of any rooms that are unable to be entered for the performance of rounds, Operations Center will make a logbook entry recording the room(s) and reason(s) for non-entry. Document in the comments section any room(s) and reason(s) they were unable to be entered for rounds.

Completed by: Paul Tonsillo Date 3.31.19 Time 0900 Reviewed by: _____ Date: 4/1/2019 Time: 1001

On-duty Supervisor

Comments: 4.3.2.2[2] 2 BAGS OF WASTE BEING STORED ON THE EAST SIDE OF RM-201 IN THE EXCLUSION AREA. COMBUSTIBLES REMOVED FROM THE EXCLUSION AREA IN ROOM-201

FOR INFORMATION ONLY

ATTACHMENT C: Non-PF-4 Daily Surveillance Rounds [UET]

(Page 1 of 1)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

M&TE Calibrated Data						
Record September through April only	PF-10 Thermometer File No.:	039746	PF-10 Thermistor File No.:	103765	V-701 Thermistor File No.:	103761
	Calibration Expiration Date:	6-15-19	Calibration Expiration Date:	7-23-19	Calibration Expiration Date:	7-23-19
	PF-11 Thermometer File No.:	039745	PF-11 Thermistor File No.:	105353	V-704 Thermistor File No.:	040375
	Calibration Expiration Date:	6-15-19	Calibration Expiration Date:	8-7-19	Calibration Expiration Date:	8-7-19

PF-10 & PF-11 Pump house Room Temperature and V-701 & V-704 Fire Water Storage Tank Temperature									
Daily (September through April only)		Date:	3-25-19	3/26/19	3/27/19	3/28/19	3/29/19	3/30/19	3/31/19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	PT	BF	Th	[illegible]	SO	[illegible]	ARJ
SR	Description	Acceptance Criteria							
NA	ENSURE *M&TE Calibration Data* above is recorded and calibration dates have not elapsed.	Calibration dates have not elapsed.	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT
4.3.1.1[1]	RECORD fire water storage tank V-701 temperature	≥ 42.1 F	53.9	53.9	54.2	54.8	55.0	54.0	53.8
4.3.1.1[1]	RECORD fire water storage tank V-704 temperature	≥ 42.1 F	54.2	54.0	54.3	55.1	55.6	54.6	54.8
4.3.1.3[1]	RECORD PF-10 room temperature	≥ 50.1 F	65.7	66.0	67.7	67.9	66.8	63.4	63.3
4.3.1.3[1]	RECORD PF-11 room temperature	≥ 50.1 F	56.5	65.1	59.5	64.6	69.3	67.3	67.9
		Completion Time:	0827	0800	0746	0814	0833	0823	0845
OC Operator Review and Page Count Complete (initials)			ARJ MJW	ARJ MJW	MJW	MJW	ARJ	ARJ	ARJ

[1] Temperatures should be recorded using Reference Thermometer FLUKE Model 1524 connected to Thermistor Probe Fluke Model 5610-9 (or approved engineered equivalent).

Completed by: Jaurigue [signature] Date 3/31/19 Time 0845

Reviewed by: [signature] Date: 4/1/2019 Time: 1001

On-duty Supervisor

Comments:

FOR INFORMATION ONLY

Attachment B, Surveillance Training Checklist

(Page 1 of 2)

Procedure title:	Surveillance Rounds
Procedure no.:	TA55 - STP - 004, R. 19.2
Date of issue:	4/1/19
Working copy issued to:	Matthew Wells
Working copy issued by:	Marcus Miller
	Certified Operations Center Operator (OCO)

Procedure is the current revision listed in Documentum: ☒ Yes ☐ Documentum Unavailable

Performance Type: ☒ Scheduled ☐ Partial ☐ Other *If partial or other list reason in Comments below*

Comments: *(Document TSR Status Board tracking date here if different from completion date.)*

Training Checklist:

Workers Performing Surveillance	Applicable Surveillance Training Current	
	OCO Initials	Date
J. Cedillo	MM	4/1/19
B. Chavez	MM	4/1/19
C. Cochran	MM	4/1/19
A. Sanchez	ARS	4/4/19
M. Miller	MM	4/1/19
R. Price		4/4/19
F. Seybert	MM	4/1/19
K. Ashley	MM	4/1/19
D. Dunlavy		4/4/19

OC Reviews Complete and TSR Status Board Updated

OCO Signature — Date: 4/10/19

For Information Only

Attachment B, Surveillance Training Checklist (continued)

(Page 2 of 2)

Training Checklist (continuation sheet)

Workers Performing Surveillance	Applicable Surveillance Training Current	
	Initials	Date
M. Wells	MM	4/1/19
A. Dinsiesta	MM	4/12/19
M. Washburn	MM	4/1/19
B. Fordham	MM	4/1/19
D. Heintschel		4/4/19
R. Hohner	MM	4/6/19
M. Leish		4/4/19
T. Langworthy	MM	4/1/19
J. Martinez	MM	4/1/19
R. Martinez		4/4/19
Anthony Sanchez	MM	4/1/19
Augie Sanchez	MM	4/1/19
D. Trujillo	MM	4/1/19
S. Oneill	MM	4/1/19
M. Wells	MM	4/1/19

For Information Only

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 1 of 3)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

Note: Gauge readings should be taken on rack #4 in the OC. whenever possible. Document if alternate PDIs are used.		Date:	4/1/19		4/2/19		4/3/19		4/4/19		4/5/19		4/6/19		4/7/19	
		Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
		Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
		Initials:	[illegible]	BC	[illegible]	BC	ABJ	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	JSL	[illegible]	BC
SRs	**Description**	**Gauge Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**													
4.1.1.1 4.1.2.1[2]	200 area glovebox exhaust header ΔP	PDI-814-1 or PDI-814-2 ≤-1.0 in. wc[1]	-1.99	-1.98	-1.99	-2.01	-2.01	-2.00	-1.98	-2.00	-2.01	-2.00	-2.02	~~-1.99~~ -1.99	-2.02	-2.01
	100 area glovebox exhaust header ΔP	PDI-820-1 or PDI-820-2 ≤-1.0 in. wc[1]	-1.94	-1.93	-1.94	-1.94	-1.93	-1.93	-1.94	-1.93	-1.94	-1.94	-1.93	-1.94	-1.94	-1.93
	300 area glovebox exhaust header ΔP	PDI-870-1 or PDI-870-2 ≤-1.0 in. wc[1]	-2.02	-2.02	-2.04	-2.01	-2.03	-2.02	-2.02	-2.02	-2.01	-2.01	-2.02	-2.02	-2.02	-2.02
	400 area glovebox exhaust header ΔP	PDI-864-1 or PDI-864-2 ≤-1.0 in. wc[1]	-2.01	-2.03	-2.01	-2.02	-2.03	-2.02	-2.02	-2.02	-2.03	-1.95	-2.03	-2.03	-2.03	-2.06
4.1.1.2 4.1.1.5 4.1.2.2[2]	200 area laboratory header ΔP	PDI-803-1 or PDI-803-2 ≤-0.05 in. wc[1]	-.20	-.20	-.20	-.21	-.20	-.18	-.18	-.18	~~-.19~~ -.19	-0.19	-0.19	-0.19	-.18	-.18
	100 area laboratory header ΔP	PDI-802-1 or PDI-802-2 ≤-0.05 in. wc[1]	-.25	-.26	-.27	-.26	-.26	-.24	-.23	-.23	-.24	-0.24	-0.24	-0.24	-.23	-.24
	300 area laboratory header ΔP	PDI-853-1 or PDI-853-2 ≤-0.05 in. wc[1]	-.21	-.20	-.22	-.20	-.20	-.19	-.20	-.19	-.20	-0.19	-0.20	-0.20	-.20	-.19
	400 area laboratory header ΔP	PDI-852-1 or PDI-852-2 ≤-0.05 in. wc[1]	-.20	-.19	-.21	-.19	-.20	-.19	-.20	-.19	-.20	-0.19	-0.19	-0.19	-.19	-.19
	IFIT Facility ΔP	PDI-865-4 or PDI-865-5 ≤-0.05 in. wc	-.15	-.15	-.15	-.15	-.15	-.15	-.15	-.15	-.15	-0.15	-0.15	-0.15	-.15	-.15
4.1.1.3 4.1.2.3[2]	North basement ΔP	PDI-804-1 or PDI-804-2 < 0.00 in. wc	-.09	-.09	-.09	-.09	-.09	.09	-.09	-.10	-.09	-0.09	-0.10	-0.09	-.09	-.09
	South basement ΔP	PDI-854-1 or PDI-854-2 < 0.00 in. wc	-.08	-.08	-.08	-.08	-.08	-.08	-.09	-.08	-.08	-0.08	-0.08	-0.08	-.08	-.08
	IRT Tunnel ΔP	PDT-901 or PDI-901 < 0.00 in. wc	-.093	-.093	-.094	-.093	-.093	-.098	-.090	-.090	-.088	-0.079	-0.092	-0.093	-.093	-.093

For Information Only

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 2 of 3)

Note: Readings should be taken using FCS screens FMT#151,152,201LD and 202LD. Field verification and local plenum PDI's may be used if FCS is unavailable.				Date:	4/1/19		4/2/19		4/3/19		4/4/19		4/5/19		4/6/19		4/7/19	
				Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
				Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
				Initials:														
SRs	**Description**	**Readings**	**Acceptance Criteria**	**SURVEILLANCE RESULTS Sat / Unsat (circle one)**														
4.1.1.6	**200 area re-circulation fan/ plenum**	FR-801 Icon red and PDT-831 ΔP >.050 or FR-802 Icon red and PDT-832 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	100 area re-circulation fan/ plenum	FR-803 Icon red and PDT-833 ΔP >.050 or FR-804 Icon red and PDT-835 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	300 area re-circulation fan/ plenum	FR-805 Icon red and PDT-836 ΔP >.050 or FR-806 Icon red and PDT-837 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	400 area re-circulation fan/ plenum	FR-807 Icon red and PDT-838 ΔP >.050 or FR-808 Icon red and PDT-839 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	Vault re-circulation fan/ plenum	FR-811 Icon red and PDT-840 ΔP >.050 or FR-812 Icon red and PDT-841 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat

Only current revision is valid. Do not use if printed.

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 3 of 3)

Note
Gauge readings should be taken on rack #4 in the OC when possible, local PDI equivalents may be used if necessary. Document any alternate PDIs used.

					Date:	4/1/19		4/2/19		4/3/19		4/4/19		4/5/19		4/6/19		4/7/19	
					Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
					Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
					Initials:	[illegible]	BC	[illegible]	BC	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	JSC	[illegible]	JSC	[illegible]	BC
SRs	**Description**	**Area**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS Sat / Unsat (circle one)**														
4.1.1.4	Glovebox exhaust header ΔPs < laboratory ΔPs < basement ΔPs for areas 100, 200, 300 and 400	200 Area	PDI-814-2 PDI-803-2 PDI-804-2	PDI-814-2 < PDI-803-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		100 Area	PDI-820-2 PDI-802-2 PDI-804-2	PDI-820-2 < PDI-802-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		300 Area	PDI-870-2 PDI-853-2 PDI-854-2	PDI-870-2 < PDI-853-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		400 Area	PDI-864-2 PDI-852-2 PDI-854-2	PDI-864-2 < PDI-852-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		Completion Time			0714	1930	0721	1927	0735	1934	0730	1927	0717	1923	0718	1931	0720	1928	
					MSW	[illegible]	[illegible]	[illegible]	[illegible]	MSW	[illegible]	MSW	[illegible]	a	MSW	a	MSW	MSW	MSW

[1] Mode 2 acceptance criteria is < 0.00 in. wc.

[2] SRs 4.1.2.x only apply during Mode 2 in accordance with LCO 3.1.2.

Completed by: BC Date 4-7-19 Time 1928 Reviewed by: _____ Date: 4/8/2019 Time: 0930
On-duty Supervisor

Comments: _____

Auto Unattended Out for Training

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

SR 4.4.1.1, The OPERABILITY acceptance criterion for this surveillance is:
The FLAMMABLE GAS detector in the FSTF FLAMMABLE GAS SOURCE storage cabinet is exposed to the ambient atmosphere in the storage cabinet. The gas concentration readout directly on the detector in the storage cabinet is compared with the gas concentration readout on the system control and alarm panel. The difference between the two readings is checked to VERIFY it is in the range of (≥-0.1; ≤0.1).

		Date:	4/1/19	4/2/19	4/3/19	4/4/19	4/5/19	4/6/19	4/7/19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	BF	[illegible]	BF	[illegible]	[illegible]	DH	DH
SR 4.4.1.1	**Description / Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (percentage)**						
	Flammable Gas Channel Check DET-305-3 (LCD Reading)	NA	005	005	005	005	005	005	005
	CP-305-H (LED Reading)		005	005	005	005	005	005	005
	(DET-305-3) – (CP-305H) (LCD Reading) (LED Reading)	Record Calculated Value	005	005	005	005	005	005	005
		≥ -0.1; ≤+0.1	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005
		Completion Time:	0810 MSW	0730	0718	0700	0710	0650	0700

For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side)[UET]

(Page 2 of 4)

			Date:	4/1/19	4/2/19	4/3/19	4/4/19	4/5/19	4/6/19	4/7/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BF	JA	BF	JA	JA	OH	OH
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	South basement supply filter plenum (HVP-841) ΔP	[1]PDI-894-1	≤2.0 & > 0[1] in. wc	.04	.03	.03	.03	.03	.03	.03
		PDI-894-2	≤2.0 & > 0[1] in. wc	.43	.43	.43	.41	.41	.41	.41
4.1.3.4[2]	South Corridor supply (HVP-810) ΔP	[1]PDI-895-1	≤2.0 & > 0[1] in. wc	.06	.06	.06	.06	.06	.06	.06
		PDI-895-2	≤2.0 & > 0[1] in. wc	.70	.70	.70	.71	.71	.71	.71
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF854) ΔP	[1]PDI-817-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-817-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-817-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-817-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF858) ΔP	PDI-81 9-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-81 9-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-819-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF855) ΔP	[1]PDI-818-1	≤2.0 & > 0[1] in. wc	.25	.25	.25	.25	.25	.25	.25
		PDI-818-2	≤2.0 & > 0[1] in. wc	.32	.31	.31	.31	.31	.30	.30
		PDI-818-4	≤2.0 & > 0[1] in. wc	.30	.30	.30	.30	.30	.30	.30
		PDI-818-5	≤2.0 & > 0[1] in. wc	.30	.30	.30	.30	.30	.30	.30
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF859) ΔP	PDI-821-1	≤2.0 & > 0[1] in. wc	.41	.42	.42	.42	.42	.42	.42
		PDI-821-3	≤2.0 & > 0[1] in. wc	.45	.46	.46	.46	.46	.46	.46
		PDI-821-4	≤2.0 & > 0[1] in. wc	.41	.41	.41	.41	.41	.41	.41

Only Unpublished

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 3 of 4)

			Date:	4/1/19	4/2/19	4/3/19	4/4/19	4/5/19	4/6/19	4/7/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BF		BF			DH	AH
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF856) ΔP	[1]PDI-822-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-822-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-822-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-822-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF857) ΔP	[1]PDI-823-1	≤2.0 & > 0[1] in. wc	.06	.06	.06	.06	.06	.06	.06
		PDI-823-2	≤2.0 & > 0[1] in. wc	.58	.57	.58	.57	.57	.58	.58
		PDI-823-4	≤2.0 & > 0[1] in. wc	.50	.49	.50	.49	.49	.49	.49
		PDI-823—5	≤2.0 & > 0[1] in. wc	.62	.62	.62	.62	.62	.62	.61
4.1.3.4[2]	South Basement exhaust filter plenum (FF-829) ΔP	[1]PDI-830-1	≤2.0 & > 0[1] in. wc	.20	.20	.18	.24	.21	.21	.21
		PDI-830-2	≤2.0 & > 0[1] in. wc	.12	.10	.12	.12	.11	.11	.11
		PDI-830-3	≤2.0 & > 0[1] in. wc	.10	.09	.10	.10	.09	.10	.10
4.1.1.7[2]	300 area re-circulation filter plenum (HVP-805) ΔP	[1]PDI-836-1	≤2.0 & > 0[1] in. wc	.07	.07	.07	.07	.07	.07	.06
		PDI-836-2	≤2.0 & > 0[1] in. wc	.68	.66	.65	.66	.66	.65	.65
		PDI-836-3	≤2.0 & > 0[1] in. wc	.68	.65	.68	.65	.66	.65	.65
	300 area re-circulation filter plenum (HVP-806) ΔP	[1]PDI-837-1	≤2.0 & > 0[1] in. wc	.05	.04	.05	.04	.04	.04	.04
		PDI-837-2	≤2.0 & > 0[1] in. wc	.49	.48	.48	.48	.48	.48	.48
		PDI-837-3	≤2.0 & > 0[1] in. wc	.48	.45	.48	.45	.45	.45	.45

Uncontrolled When Printed Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 4 of 4)

			Date:	4/1/19	4/2/19	4/3/19	4/4/19	4/5/19	4/6/19	4/7/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BF	[illegible]	OT	[illegible]	[illegible]	DH	DH
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.1.7[2]	400 area re-circulation filter plenum (HVP-807) ΔP	[1]PDI-838-1	≤2.0 & > 0[1] in. wc	.56	.55	.56	.56	.55	.55	.55
		PDI-838-2	≤2.0 & > 0[1] in. wc	.60	.60	.60	.59	.59	.59	.59
		PDI-838-3	≤2.0 & > 0[1] in. wc	.60	.59	.60	.59	.59	.59	.60
	400 area re-circulation filter plenum (HVP-808) ΔP	[1]PDI-839-1	≤2.0 & > 0[1] in. wc	.40	.39	.39	.39	.39	.39	.40
		PDI-839-2	≤2.0 & > 0[1] in. wc	.52	.51	.52	.52	.51	.51	.51
		PDI-839-3	≤2.0 & > 0[1] in. wc	.52	.52	.52	.52	.52	.52	.52
4.1.3.4[2]	South Bleed off filter plenum (FF-822A) ΔP	[1]PDI-810-1	≤2.0 & > 0[1] in. wc	.16	.17	.16	.17	.17	.17	.17
		PDI-810-2	≤2.0 & > 0[1] in. wc	.57	.57	.57	.57	.57	.57	.58
		PDI-810-3	≤2.0 & > 0[1] in. wc	.53	.52	.52	.52	.53	.53	.52
4.1.3.4[2]	South Bleed off filter plenum (FF-822B) ΔP	[1]PDI -811 - 1	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		PDI -811 -2	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		PDI -811 -3	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
			Completion Time	0840	0820	0730	0715	0730	0809	0756
OC Operator Review and Page Count Complete (initials)				[illegible] MJW	[illegible] MJW	[illegible] MJW	[illegible] MJW	[illegible]	[illegible]	[illegible] MJW

[1] Non TSR requirement
[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR 4.1.3.4 apply during both Mode 1 and Mode 2 as stated in LCO 3.1.3.

Completed by: [signature] Date 4/7/19 Time 0756 Reviewed by: [signature] On-duty Supervisor Date: 4/8/2019 Time: 0931

Comments SR 4.4.1.1 - FLAMMABLE GAS CHANNEL DETECTOR IS OUT OF SERVICE

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 1 of 5)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

Kluo outdated form for

			Date:	4-1-19	4/2/19	4/3/19	4/4/19	4/5/19	4/6/19	4/7/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT		BF			DH	DH
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.1.7[2]	Vault re-circulation filter plenum (HVP-811) ΔP	[1]PDI-840-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-840-2	≤2.0 & > 0 in[1]. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-840-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
	Vault re-circulation filter plenum (HVP-812) ΔP	[1]PDI-841-1	≤2.0 & > 0[1] in. wc	.47	.46	.46	.46	.46	.46	.46
		PDI-841-2	≤2.0 & > 0[1] in. wc	.58	.58	.58	.58	.58	.58	.58
		PDI-841-3	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51	.51	.51	.51
	200 area re-circulation filter plenum (HVP-801) ΔP	[1]PDI-831-1	≤2.0 & > 0[1] in. wc	.33	.33	.34	.33	.33	.33	.34
		PDI-831-2	≤2.0 & > 0[1] in. wc	.41	.41	.41	.41	.41	.41	.41
		PDI-831-3	≤2.0 & > 0[1] in. wc	.39	.39	.40	.39	.39	.39	.39
	200 area re-circulation filter plenum (HVP-802) ΔP	[1]PDI-832-1	≤2.0 & > 0[1] in. wc	.47	.45	.45	.45	.45	.46	.46
		PDI-832-2	≤2.0 & > 0[1] in. wc	.68	.67	.68	.67	.67	.68	.68
		PDI-832-3	≤2.0 & > 0[1] in. wc	.61	.61	.51	.61	.61	.61	.61
4.1.3.4[2]	North Bleed off filter plenum (FF-820A) ΔP	[1]PDI-807-1	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		PDI-807-2	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		PDI-807-3	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
4.1.3.4[2]	North Bleed off filter plenum (FF-820B) ΔP	[1]PDI-809-1	≤2.0 & > 0[1] in. wc	.08	.07	.07	.07	.07	.07	.07
		PDI-809-2	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51	.50	.50	.50
		PDI-809-3	≤2.0 & > 0[1] in. wc	.51	.50	.50	.50	.49	.49	.49

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 2 of 5)

			Date:	4-1-19	4/2/19	4/3/19	4/4/19	4/5/19	4/6/19	4/7/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	[illegible]	BF	[illegible]	[illegible]	DH	DH
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	North Basement exhaust filter plenum (FF-828) ΔP	[1]PDI-829-1	≤2.0 & > 0[1] in. wc	.36	.36	.35	.34	.34	.35	.36
		PDI-829-2	≤2.0 & > 0[1] in. wc	.53	.54	.52	.51	.51	.51	.52
		PDI-829-3	≤2.0 & > 0[1] in. wc	.43	.43	.42	.42	.43	.42	.42
4.1.1.7[2]	100 area re-circulation filter plenum (HVP-803) ΔP	[1]PDI-833-1	≤2.0 & > 0[1] in. wc	.08	.07	.08	.08	.08	.08	.07
		PDI-833-2	≤2.0 & > 0[1] in. wc	.52	.52	.53	.53	.53	.52	.52
		PDI-833-3	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51	.51	.51	.51
	100 area re-circulation filter plenum (HVP-804) ΔP	[1]PDI-835-1	≤2.0 & > 0[1] in. wc	.05	.05	.06	.05	.05	.05	.05
		PDI-835-2	≤2.0 & > 0[1] in. wc	.50	.49	.50	.50	.50	.50	.50
		PDI-835-3	≤2.0 & > 0[1] in. wc	.50	.50	.49	.50	.50	.50	.50
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF852) ΔP	[1]PDI-815-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-815-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-815-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-815-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF853) ΔP	[1]PDI-816-1	≤2.0 & > 0[1] in. wc	.48	.48	.49	.48	.49	.49	.49
		PDI-816-2	≤2.0 & > 0[1] in. wc	.59	.58	.58	.58	.58	.59	.59
		PDI-816-4	≤2.0 & > 0[1] in. wc	.52	.52	.52	.52	.52	.52	.52
		PDI-816-5	≤2.0 & > 0[1] in. wc	.55	.56	.53	.56	.57	.56	.56

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 3 of 5)

			Date:	4-1-19	4/2/19	4/3/19	4/4/19	4/5/19	4/6/19	4/7/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	[illegible]	DF	[illegible]	[illegible]	DH	DH
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF850) ΔP	[1]PDI-812-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-812-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-812-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-812-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-812-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF851) ΔP	[1]PDI-813-1	≤2.0 & > 0[1] in. wc	.07	.07	.08	.07	.07	.06	.06
		PDI-813-2	≤2.0 & > 0[1] in. wc	.25	.23	BF 4/4/19 ~~.25~~ .25	.23	.23	.23	.23
		PDI-813-3	≤2.0 & > 0[1] in. wc	.22	.21	.20	.21	.21	.21	.21
		PDI-813-4	≤2.0 & > 0[1] in. wc	.29	.29	.30	.29	.29	.29	.29
		PDI-813-5	≤2.0 & > 0[1] in. wc	.32	.32	.33	.31	.31	.35	.35
4.1.3.4[2]	IFIT exhaust filter plenum (FF-865) ΔP	[1]PDI-865-1	≤2.0 & > 0[1] in. wc	.02	.02	.02	.02	.02	.02	.02
		PDI-865-2	≤2.0 & > 0[1] in. wc	.39	.38	.39	.39	.39	.39	.39
		PDI-865-3	≤2.0 & > 0[1] in. wc	.32	.32	.32	.32	.32	.32	.31
4.1.3.4[2]	IFIT supply filter plenum (HVP-863) ΔP	[1]PDI-863-1	≤2.0 & > 0[1] in. wc	.06	.05	.05	.05	.05	.05	.05
		PDI-863-2	≤2.0 & >0[1] in. wc	.30	.29	.30	.30	.30	.30	.30

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 4 of 5)

			Date:	4-1-19	4/2/19	4/3/19	4/4/19	4/5/19	4/6/19	4/7/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT		BF			DH	DH
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS**						
4.1.3.4[2]	North Basement supply filter plenum (HVP-840) ΔP	[1]PDI-857-1	≤ 2.0 & > 0[1] in. wc	.10	.10	.10	.10	.10	.10	.10
		PDI-857-2	≤ 2.0 & > 0[1] in. wc	.42	.43	.43	.42	.42	.42	.42
4.1.3.4[2]	North corridor supply filter plenum (HVP-809) ΔP	[1]PDI-856-1	≤ 2.0 & > 0[1] in. wc	.06	.05	.05	.06	.06	.06	.06
		PDI-856-2	≤ 2.0 & > 0[1] in. wc	.55	.55	.56	.55	.55	.56	.56
[1]NA	**Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C**		**0 lb/ft² combustibles in designated exclusion area (within 15 feet of fans)**	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 201		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 204		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

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			Date:	4-1-19	4/2/19	4/3/19	4/4/19	4/5/19	4/6/19	4/7/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT		BF			DH	DH
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS**						
4.3.2.2[2]	Room 206		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 207		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
			Completion time	0800	0840	0715	0720	0740	0742	0740
			OC Operator Review and Page Count Complete (initials)	MJW	MJW	MJW AFD	MJW AM		MJW	MJW

[1] Non TSR requirement

[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR's 4.1.3.4 and 4.3.2.2 apply during both Mode 1 and Mode 2.

Note: Rooms 201, 206 & 207 **must be** entered for surveillance even if they are red lit, room 204 can be viewed through the window. Notify the Operations Center of any rooms that are unable to be entered for the performance of rounds, Operations Center will make a logbook entry recording the room(s) and reason(s) for non-entry. Document in the comments section any room(s) and reason(s) they were unable to be entered for rounds.

Completed by: _____ Date 4/7/19 Time 0740 Reviewed by: _____ Date: 4/7/2019 Time: 0932

On-duty Supervisor

Comments: _____

For Information Only

ATTACHMENT C: Non-PF-4 Daily Surveillance Rounds [UET]

(Page 1 of 1)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

M&TE Calibrated Data						
Record September through April only	PF-10 Thermometer File No.:	039746	PF-10 Thermistor File No.:	103765	V-701 Thermistor File No.:	103761
	Calibration Expiration Date:	6/15/19	Calibration Expiration Date:	7/23/19	Calibration Expiration Date:	7/23/19
	PF-11 Thermometer File No.:	039745	PF-11 Thermistor File No.:	105353	V-704 Thermistor File No.:	040375
	Calibration Expiration Date:	6/15/19	Calibration Expiration Date:	8/7/19	Calibration Expiration Date:	8/7/19

PF-10 & PF-11 Pump house Room Temperature and V-701 & V-704 Fire Water Storage Tank Temperature									
Daily (September through April only)		Date:	4/1/19	4/2/19	4/3/19	4-4-19	4/5/19	4/6/19	4/7/19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	[illegible]	80	[illegible]	PT	80	[illegible]	[illegible]
SR	Description	Acceptance Criteria							
NA	ENSURE *M&TE Calibration Data* above is recorded and calibration dates have not elapsed.	Calibration dates have not elapsed.	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT
4.3.1.1[1]	RECORD fire water storage tank V-701 temperature	≥ 42.1 F	53.9	53.8	54.0	54.0	54.1	54.1	54.7
4.3.1.1[1]	RECORD fire water storage tank V-704 temperature	≥ 42.1 F	50.8	50.6	50.7	50.4	50.8	51.5	51.1
4.3.1.3[1]	RECORD PF-10 room temperature	≥ 50.1 F	63.1	65.4	66.4	65.0	66.8	66.8	65.4
4.3.1.3[1]	RECORD PF-11 room temperature	≥ 50.1 F	68.9	65.8	67.8	66.8	68.0	65.8	66.6
		Completion Time:	0828	0821	0805	0800	0845	0941	0848
OC Operator Review and Page Count Complete (initials)			[illegible] MJW	[illegible] MJW	[illegible] MJW	[illegible] MJW	[illegible]	[illegible]	[illegible] MJW

[1] Temperatures should be recorded using Reference Thermometer FLUKE Model 1524 connected to Thermistor Probe Fluke Model 5610-9 (or approved engineered equivalent).

Completed by: [signature] Date 4/7/19 Time 0848

Reviewed by: [signature] Date: 4/8/2019 Time: 0932

On-duty Supervisor

Comments:

For Information Only

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

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NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

Note: Gauge readings should be taken on rack #4 in the OC. whenever possible. Document if alternate PDIs are used.		Date:	4/8/19		~~4/9/20~~ 4/9/19		4/10/19		4/11/19		4/12/19		4/13/19		4/14/19	
		Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
		Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
		Initials:	[illegible]	[illegible]	AM	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	AM	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SRs	**Description**	**Gauge Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**													
4.1.1.1 4.1.2.1[2]	200 area glovebox exhaust header ΔP	PDI-814-1 or PDI-814-2 ≤-1.0 in. wc[1]	-1.97	-2.00	-2.00	-2.00	-2.00	-2.00	-2.00	-2.02	-1.99	-2.01	-2.02	-1.99	-2.00	-1.99
	100 area glovebox exhaust header ΔP	PDI-820-1 or PDI-820-2 ≤-1.0 in. wc[1]	-1.92	-1.94	-1.93	-1.93	-1.93	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.93	-1.93
	300 area glovebox exhaust header ΔP	PDI-870-1 or PDI-870-2 ≤-1.0 in. wc[1]	-2.03	-2.02	-2.03	-2.02	-2.02	-2.01	-2.02	-2.02	-2.02	-2.03	-2.02	-2.02	-2.02	-2.03
	400 area glovebox exhaust header ΔP	PDI-864-1 or PDI-864-2 ≤-1.0 in. wc[1]	-2.01	-2.03	-2.04	-2.03	-2.01	-2.02	-2.02	-2.03	-2.01	-2.04	-2.03	-2.03	-2.03	-2.02
4.1.1.2 4.1.1.5 4.1.2.2[2]	200 area laboratory header ΔP	PDI-803-1 or PDI-803-2 ≤-0.05 in. wc[1]	-.19	-.19	-.17	-.19	-.19	-.18	-0.18	-.19	-.18	-.18	-.18	-.19	-.18	-.19
	100 area laboratory header ΔP	PDI-802-1 or PDI-802-2 ≤-0.05 in. wc[1]	-.24	-.24	-.23	-.24	-.24	-.23	-0.23	-.24	-.23	-.24	-.23	-.23	-.23	-.25
	300 area laboratory header ΔP	PDI-853-1 or PDI-853-2 ≤-0.05 in. wc[1]	-.20	-.20	-.18	-.20	-.19	-.21	-0.20	-.21	-.20	-.20	-.20	-.20	-.20	-.20
	400 area laboratory header ΔP	PDI-852-1 or PDI-852-2 ≤-0.05 in. wc[1]	-.20	-.20	-.18	-.19	-.18	-.20	-0.19	-.20	-.20	-.20	-.19	-.19	-.19	-.19
	IFIT Facility ΔP	PDI-865-4 or PDI-865-5 ≤-0.05 in. wc	-.17	-.15	-.15	-.09	-.15	-.15	-0.15	-.14	-.15	-.15	-.15	-.15	-.15	-.15
4.1.1.3 4.1.2.3[2]	North basement ΔP	PDI-804-1 or PDI-804-2 < 0.00 in. wc	-.09	-.09	-.10	-.09	-.09	-.09	-0.10	-.09	-.09	-.09	-.09	-.09	-.09	-.09
	South basement ΔP	PDI-854-1 or PDI-854-2 < 0.00 in. wc	-.08	-.08	-.08	-.09	-.08	-.08	-0.08	-.07	-.08	-.08	-.08	-.08	-.08	-.08
	IRT Tunnel ΔP	PDT-901 or PDI-901 < 0.00 in. wc	-.087	-.093	-.094	-.081	-.111	-.093	-0.079	-.089	-.094	-.094	-.080	-.086	-.080	-.095

For Information Only

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 2 of 3)

Note Readings should be taken using FCS screens FMT#151,152,201LD and 202LD. Field verification and local plenum PDI's may be used if FCS is unavailable.			Date:	4/8/19		4/9/19		4/10/19		4/11/19		4/12/19		4/13/19		4/14/K	
			Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
			Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
			Initials:	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SRs	**Description**	**Readings**	**Acceptance Criteria**	**SURVEILLANCE RESULTS Sat / Unsat (circle one)**													
4.1.1.6	**200 area re-circulation fan/ plenum**	FR-801 Icon red and PDT-831 ΔP >.050 or FR-802 Icon red and PDT-832 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	100 area re-circulation fan/ plenum	FR-803 Icon red and PDT-833 ΔP >.050 or FR-804 Icon red and PDT-835 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	300 area re-circulation fan/ plenum	FR-805 Icon red and PDT-836 ΔP >.050 or FR-806 Icon red and PDT-837 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	400 area re-circulation fan/ plenum	FR-807 Icon red and PDT-838 ΔP >.050 or FR-808 Icon red and PDT-839 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	Vault re-circulation fan/ plenum	FR-811 Icon red and PDT-840 ΔP >.050 or FR-812 Icon red and PDT-841 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat

For Information Only

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

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Note
Gauge readings should be taken on rack #4 in the OC when possible, local PDI equivalents may be used if necessary. Document any alternate PDIs used.

				Date:	4/8/19		4/9/19		4/10/19		4/11/19		4/12/19		4/13/19		4/14/19	
				Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
				Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
				Initials:	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SRs	**Description**	**Area**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS Sat / Unsat (circle one)**													
4.1.1.4	Glovebox exhaust header ΔPs < laboratory ΔPs < basement ΔPs for areas 100, 200, 300 and 400	200 Area	PDI-814-2 PDI-803-2 PDI-804-2	PDI-814-2 < PDI-803-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		100 Area	PDI-820-2 PDI-802-2 PDI-804-2	PDI-820-2 < PDI-802-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		300 Area	PDI-870-2 PDI-853-2 PDI-854-2	PDI-870-2 < PDI-853-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		400 Area	PDI-864-2 PDI-852-2 PDI-854-2	PDI-864-2 < PDI-852-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		Completion Time			0729	1929	0728	1927	0722	1928	0718	1926	0730	1930	0730	1923	0731	1935
					MJW	[illegible]	MJW	MJW	MJW	MJW	MJW	[illegible]	[illegible]	MJW	[illegible]	MJW	MJW	MJW

[1] Mode 2 acceptance criteria is < 0.00 in. wc.

[2] SRs 4.1.2.x only apply during Mode 2 in accordance with LCO 3.1.2.

Completed by: [illegible] Date 4/14/19 Time 1935 Reviewed by: [illegible] Date: 4/15/2019 Time: 1002
On-duty Supervisor

Comments: _____

For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

SR 4.4.1.1, The OPERABILITY acceptance criterion for this surveillance is:
The FLAMMABLE GAS detector in the FSTF FLAMMABLE GAS SOURCE storage cabinet is exposed to the ambient atmosphere in the storage cabinet. The gas concentration readout directly on the detector in the storage cabinet is compared with the gas concentration readout on the system control and alarm panel. The difference between the two readings is checked to VERIFY it is in the range of (≥-0.1; ≤0.1).

		Date:	4/8/19	4/9/19	4/10/19	4/11/19	4/12/19	4-13-19	4-14-19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	4/9/19 ~~OOS~~ BF DF	[illegible]	[illegible]	[illegible]	[illegible]	PT	PT
SR 4.4.1.1	**Description / Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (percentage)**						
	Flammable Gas Channel Check DET-305-3 (LCD Reading)	NA	OOS	OOS	OOS	OOS	OOS	OOS	OOS
	CP-305-H (LED Reading)		OOS	OOS	OOS	OOS	OOS	OOS	OOS
	(DET-305-3) – (CP-305H) (LCD Reading) (LED Reading)	Record Calculated Value	OOS	OOS	OOS	OOS	OOS	OOS	OOS
		≥ -0.1; ≤+0.1	Sat / Unsat OOS	Sat / Unsat OOS	Sat / Unsat OOS	Sat / Unsat OOS	Sat / Unsat OOS	Sat / Unsat OOS	Sat / Unsat OOS
		Completion Time:	BF 4/9/19 ~~OOS~~ 1000	0830	0810	0715	0715	0738	0727

For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side)[UET]

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			Date:	4/8/19	4/9/18	4/10/19	4/11/19	4/12/19	4-13-19	4-14-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BF					PT	PT
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	South basement supply filter plenum (HVP-841) ΔP	[1]PDI-894-1	≤2.0 & > 0[1] in. wc	.04	.03	.03	.03	.03	.03	.03
		PDI-894-2	≤2.0 & > 0[1] in. wc	.42	.42	.42	.42	.42	.42	.42
4.1.3.4[2]	South Corridor supply (HVP-810) ΔP	[1]PDI-895-1	≤2.0 & > 0[1] in. wc	.09	.07	.07	.07	.07	.07	.07
		PDI-895-2	≤2.0 & > 0[1] in. wc	.72	.72	.72	.71	.70	.70	.71
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF854) ΔP	[1]PDI-817-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-817-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-817-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-817-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF858) ΔP	PDI-819-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-819-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-819-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF855) ΔP	[1]PDI-818-1	≤2.0 & > 0[1] in. wc	.25	.25	.25	.25	.25	.25	.25
		PDI-818-2	≤2.0 & > 0[1] in. wc	.31	.31	.30	.30	.30	.30	.30
		PDI-818-4	≤2.0 & > 0[1] in. wc	.30	.30	.30	.30	.30	.30	.30
		PDI-818-5	≤2.0 & > 0[1] in. wc	.30	.30	.30	.30	.30	.30	.30
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF859) ΔP	PDI-821-1	≤2.0 & > 0[1] in. wc	.42	.42	.42	.42	.42	.42	.42
		PDI-821-3	≤2.0 & > 0[1] in. wc	.43	.47	.47	.47	.47	.48	.48
		PDI-821-4	≤2.0 & > 0[1] in. wc	.41	.41	.41	.41	.41	.41	.41

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ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

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			Date:	4/8/19	4/9/19	4/10/19	4/11/19	4/12/19	4-13-19	4-14-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BF	[illegible]	[illegible]	[illegible]	[illegible]	PT	PT
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF856) ΔP	[1]PDI-822-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-822-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-822-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-822-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF857) ΔP	[1]PDI-823-1	≤2.0 & > 0[1] in. wc	.06	.06	.06	.06	.07	.07	.07
		PDI-823-2	≤2.0 & > 0[1] in. wc	.58	.57	.59	.59	.59	.59	.59
		PDI-823-4	≤2.0 & > 0[1] in. wc	.50	.49	.50	.50	.50	.50	.50
		PDI-823—5	≤2.0 & > 0[1] in. wc	.62	.63	.65	.65	.65	.63	.62
4.1.3.4[2]	South Basement exhaust filter plenum (FF-829) ΔP	[1]PDI-830-1	≤2.0 & > 0[1] in. wc	.17	.18	.25	.20	.25	.21	.24
		PDI-830-2	≤2.0 & > 0[1] in. wc	.11	.11	.12	.12	.12	.12	.12
		PDI-830-3	≤2.0 & > 0[1] in. wc	.09	.09	.09	.09	.10	.10	.11
4.1.1.7[2]	300 area re-circulation filter plenum (HVP-805) ΔP	[1]PDI-836-1	≤2.0 & > 0[1] in. wc	.06	.06	.06	.06	.06	.07	.07
		PDI-836-2	≤2.0 & > 0[1] in. wc	.67	.65	.65	.66	.66	.66	.66
		PDI-836-3	≤2.0 & > 0[1] in. wc	.67	.66	.65	.66	.67	.66	.66
	300 area re-circulation filter plenum (HVP-806) ΔP	[1]PDI-837-1	≤2.0 & > 0[1] in. wc	.04	.04	.04	.04	.04	.04	.04
		PDI-837-2	≤2.0 & > 0[1] in. wc	.48	.48	.48	.48	.48	.48	.49
		PDI-837-3	≤2.0 & > 0[1] in. wc	.47	.46	.46	.46	.46	.45	.45

For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

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			Date:	4/8/19	4/9/19	4/10/19	4/11/19	4/12/19	4-13-19	4-14-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BF					PT	PT
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.1.7[2]	400 area re-circulation filter plenum (HVP-807) ΔP	[1]PDI-838-1	≤2.0 & > 0[1] in. wc	.56	.55	.55	.55	.55	.55	.55
		PDI-838-2	≤2.0 & > 0[1] in. wc	.60	.60	.60	.60	.60	.60	.60
		PDI-838-3	≤2.0 & > 0[1] in. wc	.60	.59	.59	.59	.59	.59	.59
	400 area re-circulation filter plenum (HVP-808) ΔP	[1]PDI-839-1	≤2.0 & > 0[1] in. wc	.40	.39	.39	.39	.39	.39	.39
		PDI-839-2	≤2.0 & > 0[1] in. wc	.53	.52	.52	.52	.52	.52	.52
		PDI-839-3	≤2.0 & > 0[1] in. wc	.52	.52	.52	.52	.52	.52	.52
4.1.3.4[2]	South Bleed off filter plenum (FF-822A) ΔP	[1]PDI-810-1	≤2.0 & > 0[1] in. wc	.17	.17	.16	.17	.17	.17	.17
		PDI-810-2	≤2.0 & > 0[1] in. wc	.58	.58	.58	.58	.58	.58	.58
		PDI-810-3	≤2.0 & > 0[1] in. wc	.54	.51	.51	.56	.53	.53	.52
4.1.3.4[2]	South Bleed off filter plenum (FF-822B) ΔP	[1]PDI -811 - 1	≤2.0 & > 0[1] in. wc	OFF	off	off	off	off	OFF	OFF
		PDI -811 -2	≤2.0 & > 0[1] in. wc	OFF	OFF	off	off	off	OFF	OFF
		PDI -811 -3	≤2.0 & > 0[1] in. wc	OFF	off	off	off	OFF	OFF	OFF
			Completion Time	1000	0955	0710	0735	0730	0730	0730
OC Operator Review and Page Count Complete (initials)				APD MJW	APD MJW	MJW	MJW	BC	APM C	APD MJW

[1] Non TSR requirement
[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR 4.1.3.4 apply during both Mode 1 and Mode 2 as stated in LCO 3.1.3.

Completed by: Paul Trujillo Date 4-14-19 Time 0730 Reviewed by: _____ Date: 4/15/2019 Time: 1002
On-duty Supervisor

Comments SR 4.4.1.1 Flammable Gas Detector is out of service, awaiting repairs, Operations Center notified.

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

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NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

Kluo Unofficial For Information

			Date:	4-8-19	4/9/19	4/10/19	4/11/19	4/12/19	4-13-19	4-14-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT					PT	PT
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.1.7[2]	Vault re-circulation filter plenum (HVP-811) ΔP Vault re-circulation filter plenum (HVP-812) ΔP	[1]PDI-840-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-840-2	≤2.0 & > 0 in[1]. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-840-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		[1]PDI-841-1	≤2.0 & > 0[1] in. wc	.47	.47	.47	.47	.47	.47	.47
		PDI-841-2	≤2.0 & > 0[1] in. wc	.59	.58	.58	.58	.58	.58	.58
		PDI-841-3	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51	.51	.51	.51
	200 area re-circulation filter plenum (HVP-801) ΔP	[1]PDI-831-1	≤2.0 & > 0[1] in. wc	.34	.33	.33	.33	.33	.33	.33
		PDI-831-2	≤2.0 & > 0[1] in. wc	.41	.41	.41	.41	.41	.41	.41
		PDI-831-3	≤2.0 & > 0[1] in. wc	.39	.39	.39	.39	.39	.39	.39
	200 area re-circulation filter plenum (HVP-802) ΔP	[1]PDI-832-1	≤2.0 & > 0[1] in. wc	.47	.47	.46	.46	.46	.47	.47
		PDI-832-2	≤2.0 & > 0[1] in. wc	.69	.68	.68	.68	.68	.68	.68
		PDI-832-3	≤2.0 & > 0[1] in. wc	.61	.61	.61	.61	.61	.61	.61
4.1.3.4[2]	North Bleed off filter plenum (FF-820A) ΔP	[1]PDI-807-1	≤2.0 & > 0[1] in. wc	OFF	off	off	off	off	OFF	OFF
		PDI-807-2	≤2.0 & > 0[1] in. wc	OFF	off	off	off	off	OFF	OFF
		PDI-807-3	≤2.0 & > 0[1] in. wc	OFF	off	off	off	off	OFF	OFF
4.1.3.4[2]	North Bleed off filter plenum (FF-820B) ΔP	[1]PDI-809-1	≤2.0 & > 0[1] in. wc	.07	.07	.07	.07	.07	.07	.07
		PDI-809-2	≤2.0 & > 0[1] in. wc	.50	.50	.50	.50	.50	.50	.50
		PDI-809-3	≤2.0 & > 0[1] in. wc	.49	.49	.49	.49	.49	.49	.49

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

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			Date:	4-8-19	4/9/19	4/10/19	4/11/19	4/12/19	4-13-19	4-14-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT					PT	PT
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.3.4[2]	North Basement exhaust filter plenum (FF-828) ΔP	[1]PDI-829-1	≤2.0 & > 0[1] in. wc	.36	.34	.34	.36	.34	.36	.35
		PDI-829-2	≤2.0 & > 0[1] in. wc	.52	.51	.51	.55	.51	.53	.52
		PDI-829-3	≤2.0 & > 0[1] in. wc	.42	.42	.42	.44	.43	.43	.42
4.1.1.7[2]	100 area re-circulation filter plenum (HVP-803) ΔP	[1]PDI-833-1	≤2.0 & > 0[1] in. wc	.08	.08	.08	.07	.07	.08	.08
		PDI-833-2	≤2.0 & > 0[1] in. wc	.52	.55	.54	.53	.53	.53	.52
		PDI-833-3	≤2.0 & > 0[1] in. wc	.51	.51	.51	.50	.50	.50	.51
	100 area re-circulation filter plenum (HVP-804) ΔP	[1]PDI-835-1	≤2.0 & > 0[1] in. wc	.05	.05	.05	.05	.05	.05	.05
		PDI-835-2	≤2.0 & > 0[1] in. wc	.50	.50	.50	.49	.49	.50	.50
		PDI-835-3	≤2.0 & > 0[1] in. wc	.50	.50	.50	.50	.50	.50	.50
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF852) ΔP	[1]PDI-815-1	≤2.0 & > 0[1] in. wc	STBY	STBY	.24	.24	.24	.24	.24
		PDI-815-2	≤2.0 & > 0[1] in. wc	STBY	STBY	.58	.58	.58	.58	.58
		PDI-815-4	≤2.0 & > 0[1] in. wc	STBY	STBY	.51	.50	.50	.50	.50
		PDI-815-5	≤2.0 & > 0[1] in. wc	STBY	STBY	.51	.51	.51	.51	.51
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF853) ΔP	[1]PDI-816-1	≤2.0 & > 0[1] in. wc	.49	.49	STBY	STBY	STBY	STBY	STBY
		PDI-816-2	≤2.0 & > 0[1] in. wc	.59	.59	STBY	STBY	STBY	STBY	STBY
		PDI-816-4	≤2.0 & > 0[1] in. wc	.52	.54	STBY	STBY	STBY	STBY	STBY
		PDI-816-5	≤2.0 & > 0[1] in. wc	.58	.58	STBY	STBY	STBY	STBY	STBY

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ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

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			Date:	4-8-19	4/9/19	4/10/19	4/11/19	4/12/19	4-13-19	4-14-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	[illegible]	[illegible]	[illegible]	[illegible]	PT	PT
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF850) ΔP	[1]PDI-812-1	≤2.0 & > 0[1] in. wc	STBY	STBY	.13	.13	.13	.13	.13
		PDI-812-2	≤2.0 & > 0[1] in. wc	STBY	STBY	.30	.29	.29	.30	.29
		PDI-812-3	≤2.0 & > 0[1] in. wc	STBY	STBY	.30	.30	.30	.30	.30
		PDI-812-4	≤2.0 & > 0[1] in. wc	STBY	STBY	.28	.29	.28	.29	.29
		PDI-812-5	≤2.0 & > 0[1] in. wc	STBY	STBY	.32	.32	.32	.31	.31
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF851) ΔP	[1]PDI-813-1	≤2.0 & > 0[1] in. wc	.06	.07	STBY	STBY	STBY	STBY	STBY
		PDI-813-2	≤2.0 & > 0[1] in. wc	.23	.24	STBY	STBY	STBY	STBY	STBY
		PDI-813-3	≤2.0 & > 0[1] in. wc	.21	.21	STBY	STBY	STBY	STBY	STBY
		PDI-813-4	≤2.0 & > 0[1] in. wc	.29	.29	STBY	STBY	STBY	STBY	STBY
		PDI-813-5	≤2.0 & > 0[1] in. wc	.34	.36	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	IFIT exhaust filter plenum (FF-865) ΔP	[1]PDI-865-1	≤2.0 & > 0[1] in. wc	.02	.02	.02	.02	.62	.02	.02
		PDI-865-2	≤2.0 & > 0[1] in. wc	.39	.39	.37	.37	.38	.38	.38
		PDI-865-3	≤2.0 & > 0[1] in. wc	.32	.32	.31	.31	.31	.32	.32
4.1.3.4[2]	IFIT supply filter plenum (HVP-863) ΔP	[1]PDI-863-1	≤2.0 & > 0[1] in. wc	.06	.05	.05	.06	.05	.06	.06
		PDI-863-2	≤2.0 & >0[1] in. wc	.31	.31	.31	.31	.31	.31	.31

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

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			Date:	4-8-19	4/9/19	4/10/19	4/11/19	4/12/19	4-13-19	4-14-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT					PT	PT
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS**						
4.1.3.4[2]	North Basement supply filter plenum (HVP-840) ΔP	[1]PDI-857-1	≤ 2.0 & > 0[1] in. wc	.10	.11	.10	10	.10	.10	.10
		PDI-857-2	≤2.0 & > 0[1] in. wc	.42	.43	.43	.43	.43	.43	.43
4.1.3.4[2]	North corridor supply filter plenum (HVP-809) ΔP	[1]PDI-856-1	≤2.0 & > 0[1] in. wc	.06	.06	.06	.06	.06	.06	.06
		PDI-856-2	≤2.0 & > 0[1] in. wc	.58	.57	.56	.55	.55	.55	.55
[1]NA	**Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C**		**0 lb/ft² combustibles in designated exclusion area (within 15 feet of fans)**	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 201		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 204		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 5 of 5)

			Date:	4-8-19	4/9/19	4/10/19	4/11/19	4/12/19	4-13-19	4-14-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT					PT	PT
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS						
4.3.2.2[1]	Room 206		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[1]	Room 207		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
			Completion time	1000	0950	0820	0750	0710	0800	0850
			OC Operator Review and Page Count Complete (initials)	MJW	MJW	MJW	MJW			MJW

[1] Non TSR requirement

[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR's 4.1.3.4 and 4.3.2.2 apply during both Mode 1 and Mode 2.

Note: Rooms 201, 206 & 207 **must be** entered for surveillance even if they are red lit, room 204 can be viewed through the window. Notify the Operations Center of any rooms that are unable to be entered for the performance of rounds, Operations Center will make a logbook entry recording the room(s) and reason(s) for non-entry. Document in the comments section any room(s) and reason(s) they were unable to be entered for rounds.

Completed by: Paul Trujillo Date 4-14-19 Time 0850 Reviewed by: _____ Date: 4/15/2019 Time: 1003

On-duty Supervisor

Comments: _____

For Information Only

ATTACHMENT C: Non-PF-4 Daily Surveillance Rounds [UET]

(Page 1 of 1)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

M&TE Calibrated Data						
Record September through April only	PF-10 Thermometer File No.:	039746	PF-10 Thermistor File No.:	103765	V-701 Thermistor File No.:	103761
	Calibration Expiration Date:	6/15/19	Calibration Expiration Date:	7/23/19	Calibration Expiration Date:	7/23/19
	PF-11 Thermometer File No.:	SO 4/8/19 ~~0394~~ 039745	PF-11 Thermistor File No.:	105353	V-704 Thermistor File No.:	SO 4/8/19 ~~105353~~ SO 4/8/19 ~~043~~ 040375
	Calibration Expiration Date:	6/15/19	Calibration Expiration Date:	8/7/19	Calibration Expiration Date:	8/7/19

PF-10 & PF-11 Pump house Room Temperature and V-701 & V-704 Fire Water Storage Tank Temperature									
Daily (September through April only)		Date:	04/08/19	4/9/19	4/10/19	4/11/19	4-12-19	4/13/19	4/14/19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	SO	[illegible]	[illegible]	BF	PT	M	M
SR	Description	Acceptance Criteria							
NA	ENSURE *M&TE Calibration Data* above is recorded and calibration dates have not elapsed.	Calibration dates have not elapsed.	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT
4.3.1.1[1]	RECORD fire water storage tank V-701 temperature	≥ 42.1 F	54.4	55.1	55.7	53.95	53.7	54.0	53.8
4.3.1.1[1]	RECORD fire water storage tank V-704 temperature	≥ 42.1 F	52.3	53.5	54.1	52.94	51.6	50.8	50.7
4.3.1.3[1]	RECORD PF-10 room temperature	≥ 50.1 F	67.5	68.4	68.2	66.64	63.9	64.3	64.0
4.3.1.3[1]	RECORD PF-11 room temperature	≥ 50.1 F	68.9	66.5	62.4	68.90	58.19	64.1	65.1
		Completion Time:	0756	0924	0740	0840	0749	0909	0820
OC Operator Review and Page Count Complete (initials)			SO AM MJW	[illegible] AM MJW	[illegible] MJW	[illegible] MJW	[illegible] AM	[illegible]	[illegible] AM MJW

[1] Temperatures should be recorded using Reference Thermometer FLUKE Model 1524 connected to Thermistor Probe Fluke Model 5610-9 (or approved engineered equivalent).

Completed by: [signature] 335126 Date 4/14/19 Time 0820

Reviewed by: [signature] Date: 4/15/2019 Time: 1004

On-duty Supervisor

Comments:

For Information Only

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 1 of 3)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

Note Gauge readings should be taken on rack #4 in the OC. whenever possible. Document if alternate PDIs are used.		**Date:**	4-15-19		4-16-19		04.17.19		04.18.19		4-19-19		04.20.19		4-21-19	
		Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
		Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
		Initials:	JSL		JSL		BC		BC		JSL		BC		JSL	
SRs	**Description**	**Gauge Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**													
4.1.1.1 4.1.2.1[2]	**200 area glovebox exhaust header ΔP**	PDI-814-1 or PDI-814-2 ≤-1.0 in. wc[1]	-2.00	-2.01	-1.99	-1.98	-2.00	-2.00	-1.98	-2.00	-2.00	-1.99	-2.00	-2.00	-1.98	-1.98
	100 area glovebox exhaust header ΔP	PDI-820-1 or PDI-820-2 ≤-1.0 in. wc[1]	-1.93	-1.92	-1.94	-1.97	-1.94	-1.93	-1.93	-1.94	-1.93	-1.93	-1.94	-1.91	-1.94	-1.94
	300 area glovebox exhaust header ΔP	PDI-870-1 or PDI-870-2 ≤-1.0 in. wc[1]	-2.03	-2.02	-2.03	-2.02	-2.03	-2.03	-2.03	-2.01	-2.03	-2.04	-2.01	-2.04	-2.04	-2.05
	400 area glovebox exhaust header ΔP	PDI-864-1 or PDI-864-2 ≤-1.0 in. wc[1]	-2.02	-2.01	-2.03	-2.03	-2.03	-2.03	-2.04	-2.02	-2.02	-2.02	-2.02	-2.01	-2.03	-2.04
4.1.1.2 4.1.1.5 4.1.2.2[2]	**200 area laboratory header ΔP**	PDI-803-1 or PDI-803-2 ≤-0.05 in. wc[1]	-0.18	-0.20	-0.18	-0.17	-.19	-.19	-.19	-.19	-0.19	-0.19	-.19	-.19	-0.19	-.19
	100 area laboratory header ΔP	PDI-802-1 or PDI-802-2 ≤-0.05 in. wc[1]	-0.22	-0.25	-0.23	-0.18	-.25	-.24	-.25	-.25	-0.24	-0.24	-.24	-.24	-0.24	-.24
	300 area laboratory header ΔP	PDI-853-1 or PDI-853-2 ≤-0.05 in. wc[1]	-0.19	-0.21	-0.20	-0.21	-.20	-.20	-.21	-.20	-0.20	-0.20	-.20	-.19	-0.20	-.20
	400 area laboratory header ΔP	PDI-852-1 or PDI-852-2 ≤-0.05 in. wc[1]	-0.19	-0.25	-0.19	-0.20	-.16	-.20	-.21	-.20	-0.19	-0.20	-.19	-.19	-0.19	-.19
	IFIT Facility ΔP	PDI-865-4 or PDI-865-5 ≤-0.05 in. wc	-0.15	-0.15	-0.15	-0.17	-.15	-.15	-.15	-.15	-0.15	-0.15	-.15	-.15	-0.15	-.15
4.1.1.3 4.1.2.3[2]	**North basement ΔP**	PDI-804-1 or PDI-804-2 < 0.00 in. wc	-0.09	-0.09	-0.09	-0.18	-.09	-.09	-.10	-.09	-0.09	-0.09	-.09	-.08	-0.09	-.09
	South basement ΔP	PDI-854-1 or PDI-854-2 < 0.00 in. wc	-0.08	-0.09	-0.08	-0.17	-.08	-.09	-.08	-.08	-0.08	-0.08	-.08	-.08	-0.08	-.08
	IRT Tunnel ΔP	PDT-901 or PDI-901 < 0.00 in. wc	-0.096	-0.085	-0.093	-0.179	-.094	-.096	-.077	-.085	-0.091	-0.093	-.094	-.085	-0.090	-.092

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ATTACHMENT A: Per Shift Surveillance Rounds [UET]

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Note Readings should be taken using FCS screens FMT#151,152,201LD and 202LD. Field verification and local plenum PDI's may be used if FCS is unavailable.			Date:	4-15-19		4-16-19		04-17-19		04-18-19		04-19-19		04-20-19		4-21-19	
			Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
			Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
			Initials:	JSL	[illegible]	JSL	[illegible]	BC	[illegible]	BC	[illegible]	JSL	[illegible]	BC	[illegible]	JSL	[illegible]
SRs	**Description**	**Readings**	**Acceptance Criteria**	**SURVEILLANCE RESULTS Sat / Unsat (circle one)**													
4.1.1.6	**200 area re-circulation fan/ plenum**	FR-801 Icon red and PDT-831 ΔP >.050 or FR-802 Icon red and PDT-832 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	100 area re-circulation fan/ plenum	FR-803 Icon red and PDT-833 ΔP >.050 or FR-804 Icon red and PDT-835 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	300 area re-circulation fan/ plenum	FR-805 Icon red and PDT-836 ΔP >.050 or FR-806 Icon red and PDT-837 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	400 area re-circulation fan/ plenum	FR-807 Icon red and PDT-838 ΔP >.050 or FR-808 Icon red and PDT-839 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	Vault re-circulation fan/ plenum	FR-811 Icon red and PDT-840 ΔP >.050 or FR-812 Icon red and PDT-841 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat

For Information Only

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

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Note
Gauge readings should be taken on rack #4 in the OC when possible, local PDI equivalents may be used if necessary. Document any alternate PDIs used.

				Date:	4-15-19		4-16-19		04-17-19		04-18-19		4-19-19		04-20-19		4-21-19	
				Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
				Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
				Initials:	[illegible]	[illegible]	[illegible]	[illegible]	BL	[illegible]	BL	[illegible]	JSL	[illegible]	BL	[illegible]	[illegible]	[illegible]
SRs	**Description**	**Area**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS** Sat / Unsat (circle one)													
4.1.1.4	**Glovebox exhaust header ΔPs < laboratory ΔPs < basement ΔPs for areas 100, 200, 300 and 400**	200 Area	PDI-814-2 PDI-803-2 PDI-804-2	PDI-814-2 < PDI-803-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		100 Area	PDI-820-2 PDI-802-2 PDI-804-2	PDI-820-2 < PDI-802-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		300 Area	PDI-870-2 PDI-853-2 PDI-854-2	PDI-870-2 < PDI-853-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		400 Area	PDI-864-2 PDI-852-2 PDI-854-2	PDI-864-2 < PDI-852-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		Completion Time			0733	1927	0705	1901	0714	1934	0718	1928	0709	1916	0708	1912	0712	1915
					MJW	[illegible]	MJW	[illegible]	MJW	[illegible]	MJW	MJW	MJW	MJW	MJW	MJW	MJW	MJW

[1] Mode 2 acceptance criteria is < 0.00 in. wc.
[2] SRs 4.1.2.x only apply during Mode 2 in accordance with LCO 3.1.2.

Completed by: G Date 4/21/19 Time 1915 Reviewed by: _____ Date: 4/22/2019 Time: 1138 1139
On-duty Supervisor

Comments: _____

Audio Recording Off For Training

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

SR 4.4.1.1, The OPERABILITY acceptance criterion for this surveillance is:
The FLAMMABLE GAS detector in the FSTF FLAMMABLE GAS SOURCE storage cabinet is exposed to the ambient atmosphere in the storage cabinet. The gas concentration readout directly on the detector in the storage cabinet is compared with the gas concentration readout on the system control and alarm panel. The difference between the two readings is checked to VERIFY it is in the range of (≥-0.1; ≤0.1).

		Date:	4.15.19	4/16/19	4/17/19	4.18.19	4/19/19	4/20/19	4/21/19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	BF	[illegible]	[illegible]	BF	[illegible]	[illegible]	[illegible]
SR 4.4.1.1	**Description / Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (percentage)**						
	Flammable Gas Channel Check DET-305-3 (LCD Reading)	NA	005	005	005	005	005	005	005
	CP-305-H (LED Reading)		005	005	005	005	005	005	005
	(DET-305-3) – (CP-305H) (LCD Reading) (LED Reading)	Record Calculated Value	005	005	005	005	005	005	005
		≥ -0.1; ≤+0.1	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005
		Completion Time:	0715	0720	0765	0710	0700	0715	0703

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ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side)[UET]

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			Date:	4-15-19	4/16/19	4/17/19	4-18-19	4/19/19	4/20/19	4/21/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT			BK			
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	South basement supply filter plenum (HVP-841) ΔP	[1]PDI-894-1	≤2.0 & > 0[1] in. wc	.04	.03	.03	.03	.03	.03	.03
		PDI-894-2	≤2.0 & > 0[1] in. wc	.42	.43	.43	.44	.44	.44	.44
4.1.3.4[2]	South Corridor supply (HVP-810) ΔP	[1]PDI-895-1	≤2.0 & > 0[1] in. wc	.08	.07	.05	.04	.04	.04	.04
		PDI-895-2	≤2.0 & > 0[1] in. wc	.71	.71	.71	.71	.71	.71	.71
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF854) ΔP	[1]PDI-817-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-817-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-817-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-817-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF858) ΔP	PDI-81 9-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-81 9-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-819-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF855) ΔP	[1]PDI-818-1	≤2.0 & > 0[1] in. wc	.25	.25	.25	.25	.25	.25	.25
		PDI-818-2	≤2.0 & > 0[1] in. wc	.30	.30	.30	.30	.30	.30	.30
		PDI-818-4	≤2.0 & > 0[1] in. wc	.30	.30	.30	.30	.30	.30	.30
		PDI-818-5	≤2.0 & > 0[1] in. wc	.30	.30	.30	.30	.30	.30	.30
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF859) ΔP	PDI-821-1	≤2.0 & > 0[1] in. wc	.41	.42	.42	.41	.42	.42	.42
		PDI-821-3	≤2.0 & > 0[1] in. wc	.49	.47	.47	.48	.47	.47	.48
		PDI-821-4	≤2.0 & > 0[1] in. wc	.41	.41	.41	.40	.41	.41	.41

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ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

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			Date:	4-15-19	4/16/19	4/17/19	4-18-19	4/19/19	4/20/19	4/21/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT			BF			
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF856) ΔP	[1]PDI-822-1	≤2.0 & > 0[1] in. wc	PT 4-15-19 .07 STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-822-2	≤2.0 & > 0[1] in. wc	PT 4-15-19 .59 STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-822-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-822-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF857) ΔP	[1]PDI-823-1	≤2.0 & > 0[1] in. wc	.07	.07	.07	.07	.07	.07	.07
		PDI-823-2	≤2.0 & > 0[1] in. wc	.59	.59	.59	.58	.58	.58	.58
		PDI-823-4	≤2.0 & > 0[1] in. wc	.50	.50	.50	.50	.50	.50	.50
		PDI-823—5	≤2.0 & > 0[1] in. wc	.62	.65	.65	.63	.65	.65	.65
4.1.3.4[2]	South Basement exhaust filter plenum (FF-829) ΔP	[1]PDI-830-1	≤2.0 & > 0[1] in. wc	.23	.27	.23	.18	.23	.23	.23
		PDI-830-2	≤2.0 & > 0[1] in. wc	.11	.15	.11	.11	.13	.12	.12
		PDI-830-3	≤2.0 & > 0[1] in. wc	.11	.12	.09	.09	.11	.69	.69
4.1.1.7[2]	300 area re-circulation filter plenum (HVP-805) ΔP	[1]PDI-836-1	≤2.0 & > 0[1] in. wc	.06	.06	.06	.06	.06	.06	.06
		PDI-836-2	≤2.0 & > 0[1] in. wc	.65	.65	.65	.65	.66	.66	.66
		PDI-836-3	≤2.0 & > 0[1] in. wc	.65	.65	.64	.65	.64	.65	.65
	300 area re-circulation filter plenum (HVP-806) ΔP	[1]PDI-837-1	≤2.0 & > 0[1] in. wc	.04	.04	.04	.05	.04	.04	.04
		PDI-837-2	≤2.0 & > 0[1] in. wc	.49	.48	.48	.49	.49	.49	.49
		PDI-837-3	≤2.0 & > 0[1] in. wc	.47	.47	.46	.46	.48	.47	.47

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ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 4 of 4)

			Date:	4-15-19	4/16/19	4/17/19	4-18-19	4/19/19	4/20/19	4/21/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	[illegible]	[illegible]	BF	[illegible]	[illegible]	[illegible]
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.1.7[2]	400 area re-circulation filter plenum (HVP-807) ΔP	[1]PDI-838-1	≤2.0 & > 0[1] in. wc	.55	.55	.55	.56	.55	.55	.55
		PDI-838-2	≤2.0 & > 0[1] in. wc	.60	.60	.57	.58	.57	.57	.57
		PDI-838-3	≤2.0 & > 0[1] in. wc	.60	.59	.59	.59	.59	.59	.59
	400 area re-circulation filter plenum (HVP-808) ΔP	[1]PDI-839-1	≤2.0 & > 0[1] in. wc	.39	.39	.39	.40	.39	.39	.39
		PDI-839-2	≤2.0 & > 0[1] in. wc	.52	.52	.52	.55	.55	.55	.55
		PDI-839-3	≤2.0 & > 0[1] in. wc	.51	.52	.52	.52	.53	.53	.53
4.1.3.4[2]	South Bleed off filter plenum (FF-822A) ΔP	[1]PDI-810-1	≤2.0 & > 0[1] in. wc	.17	.16	.17	.18	.17	.07	.17
		PDI-810-2	≤2.0 & > 0[1] in. wc	.59	.56	.58	.59	.58	.58	.59
		PDI-810-3	≤2.0 & > 0[1] in. wc	.52	.52	.52	.53	.54	.54	.54
4.1.3.4[2]	South Bleed off filter plenum (FF-822B) ΔP	[1]PDI -811 - 1	≤2.0 & > 0[1] in. wc	OFF	off	off	OFF	off	off	off
		PDI -811 -2	≤2.0 & > 0[1] in. wc	OFF	off	off	OFF	off	off	off
		PDI -811 -3	≤2.0 & > 0[1] in. wc	OFF	off	off	OFF	off	off	off
			Completion Time	0719	0720	0715	0800	0730	0810	0732
OC Operator Review and Page Count Complete (initials)				JSL ARD MJW	BL JSL MJW	BL ARD MJW	BC [illegible] MJW	JSL BC MJW	BL JSL MJW	BL JSL MJW

[1] Non TSR requirement

[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR 4.1.3.4 apply during both Mode 1 and Mode 2 as stated in LCO 3.1.3.

Completed by: [illegible] Date 4/21/19 Time 0732 Reviewed by: [signature] Date: 4/22/2019 Time: 1140

On-duty Supervisor

Comments SR 4.4.1.1 FLAMMABLE CABINET IS OUT OF SERVICE, NEEDS TO BE REPLACED

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 1 of 5)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

			Date:	4·15·19	4/16/19	4/17/19	4·18·19	4/19/19	4/20/19	4/21/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BF	[illegible]	[illegible]	BF	[illegible]	[illegible]	[illegible]
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.1.7[2]	Vault re-circulation filter plenum (HVP-811) ΔP Vault re-circulation filter plenum (HVP-812) ΔP	[1]PDI-840-1	≤2.0 & > 0[1] in. wc	STBY	.17	.17	.17	.17	.17	.17
		PDI-840-2	≤2.0 & > 0 in[1] wc	STBY	.57	.57	.57	.57	.57	.57
		PDI-840-3	≤2.0 & > 0[1] in. wc	STBY	.51	.51	.51	.51	.51	.51
		[1]PDI-841-1	≤2.0 & > 0[1] in. wc	.46	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-841-2	≤2.0 & > 0[1] in. wc	.57	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-841-3	≤2.0 & > 0[1] in. wc	.51	STBY	STBY	STBY	STBY	STBY	STBY
	200 area re-circulation filter plenum (HVP-801) ΔP	[1]PDI-831-1	≤2.0 & > 0[1] in. wc	.34	.33	.33	.34	.33	.33	.33
		PDI-831-2	≤2.0 & > 0[1] in. wc	.42	.41	.41	.42	.41	.41	.41
		PDI-831-3	≤2.0 & > 0[1] in. wc	.40	.40	.39	.40	.40	.40	.40
	200 area re-circulation filter plenum (HVP-802) ΔP	[1]PDI-832-1	≤2.0 & > 0[1] in. wc	.46	.46	.46	.46	.47	.47	.47
		PDI-832-2	≤2.0 & > 0[1] in. wc	.67	.67	.68	.67	.67	.67	.67
		PDI-832-3	≤2.0 & > 0[1] in. wc	.61	.61	.61	.62	.61	.61	.61
4.1.3.4[2]	North Bleed off filter plenum (FF-820A) ΔP	[1]PDI-807-1	≤2.0 & > 0[1] in. wc	OFF	.11	.12	.12	.11	.11	.12
		PDI-807-2	≤2.0 & > 0[1] in. wc	OFF	.50	.53	.53	.53	.53	.53
		PDI-807-3	≤2.0 & > 0[1] in. wc	OFF	.48	.51	.51	.51	.51	.51
4.1.3.4[2]	North Bleed off filter plenum (FF-820B) ΔP	[1]PDI-809-1	≤2.0 & > 0[1] in. wc	.07	off	off	OFF	off	off	off
		PDI-809-2	≤2.0 & > 0[1] in. wc	.50	off	off	OFF	off	off	off
		PDI-809-3	≤2.0 & > 0[1] in. wc	.49	off	off	OFF	off	off	off

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 2 of 5)

			Date:	4·15·19	4/16/19	4/17/19	4·18·19	4/19/19	4/20/19	4/21/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BF	[illegible]	[illegible]	BF	[illegible]	[illegible]	[illegible]
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	North Basement exhaust filter plenum (FF-828) ΔP	[1]PDI-829-1	≤2.0 & > 0[1] in. wc	.29	.33	.35	.40	.35	.36	.36
		PDI-829-2	≤2.0 & > 0[1] in. wc	.51	.51	.52	.60	.53	.54	.53
		PDI-829-3	≤2.0 & > 0[1] in. wc	.42	.40	.43	.48	.43	.43	.43
4.1.1.7[2]	100 area re-circulation filter plenum (HVP-803) ΔP	[1]PDI-833-1	≤2.0 & > 0[1] in. wc	.07	.08	.07	.08	.08	.08	.08
		PDI-833-2	≤2.0 & > 0[1] in. wc	.53	.53	.53	.53	.52	.52	.52
		PDI-833-3	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51	.51	.51	.51
	100 area re-circulation filter plenum (HVP-804) ΔP	[1]PDI-835-1	≤2.0 & > 0[1] in. wc	.05	.05	.05	.05	.05	.05	.05
		PDI-835-2	≤2.0 & > 0[1] in. wc	.50	.50	.50	.50	.50	.50	.50
		PDI-835-3	≤2.0 & > 0[1] in. wc	.50	.50	.50	.50	.50	.50	.50
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF852) ΔP	[1]PDI-815-1	≤2.0 & > 0[1] in. wc	.22	STBY	STBY	.28	.24	.24	.24
		PDI-815-2	≤2.0 & > 0[1] in. wc	.58	STBY	STBY	.58	[illegible] 4/18/19 ~~.49~~ .59	.59	.59
		PDI-815-4	≤2.0 & > 0[1] in. wc	.49	STBY	STBY	.49	.51	.51	.51
		PDI-815-5	≤2.0 & > 0[1] in. wc	.51	STBY	STBY	.50	.50	.50	.50
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF853) ΔP	[1]PDI-816-1	≤2.0 & > 0[1] in. wc	STBY	.48	.48	STBY	STBY	STBY	STBY
		PDI-816-2	≤2.0 & > 0[1] in. wc	STBY	.58	.59	STBY	STBY	STBY	STBY
		PDI-816-4	≤2.0 & > 0[1] in. wc	STBY	.52	.53	STBY	STBY	STBY	STBY
		PDI-816-5	≤2.0 & > 0[1] in. wc	STBY	.57	.57	STBY	STBY	STBY	STBY

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 3 of 5)

			Date:	4·15·19	4/16/19	4/17/19	4·18·19	4/19/19	4/20/19	4/21/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BF						
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF850) ΔP	[1]PDI-812-1	≤2.0 & > 0[1] in. wc	.12	STBY	STBY	.12	.12	.13	.13
		PDI-812-2	≤2.0 & > 0[1] in. wc	.30	STBY	STBY	.30	.30	.30	.30
		PDI-812-3	≤2.0 & > 0[1] in. wc	.30	STBY	STBY	.28	.30	.30	.30
		PDI-812-4	≤2.0 & > 0[1] in. wc	.28	STBY	STBY	.30	.28	.28	.28
		PDI-812-5	≤2.0 & > 0[1] in. wc	.32	STBY	STBY	.32	.32	.32	.32
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF851) ΔP	[1]PDI-813-1	≤2.0 & > 0[1] in. wc	STBY	.07	.07	STBY	STBY	STBY	STBY
		PDI-813-2	≤2.0 & > 0[1] in. wc	STBY	.23	.23	STBY	STBY	STBY	STBY
		PDI-813-3	≤2.0 & > 0[1] in. wc	STBY	.19	.19	STBY	STBY	STBY	STBY
		PDI-813-4	≤2.0 & > 0[1] in. wc	STBY	.28	.28	STBY	STBY	STBY	STBY
		PDI-813-5	≤2.0 & > 0[1] in. wc	STBY	.33	.35	STBY	STBY	STBY	STBY
4.1.3.4[2]	IFIT exhaust filter plenum (FF-865) ΔP	[1]PDI-865-1	≤2.0 & > 0[1] in. wc	.03	.03	.03	.02	.03	.03	.03
		PDI-865-2	≤2.0 & > 0[1] in. wc	.39	.38	.38	.38	.38	.38	.38
		PDI-865-3	≤2.0 & > 0[1] in. wc	.32	.31	.31	.32	.32	.32	.32
4.1.3.4[2]	IFIT supply filter plenum (HVP-863) ΔP	[1]PDI-863-1	≤2.0 & > 0[1] in. wc	.06	.06	.05	.05	.05	.05	.05
		PDI-863-2	≤2.0 & >0[1] in. wc	.31	.31	.31	.31	.31	.31	.31

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 4 of 5)

			Date:	4·15·19	4/16/19	4/17/19	4/18/19	4/19/19	4/20/19	4/21/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BF			BF			
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS**						
4.1.3.4[2]	North Basement supply filter plenum (HVP-840) ΔP	[1]PDI-857-1	≤ 2.0 & > 0[1] in. wc	.11	.10	.10	.10	.11	.11	.11
		PDI-857-2	≤2.0 & > 0[1] in. wc	.45	.44	.43	.43	.44	.44	.44
4.1.3.4[2]	North corridor supply filter plenum (HVP-809) ΔP	[1]PDI-856-1	≤2.0 & > 0[1] in. wc	.06	.66	.64	.04	.64	.04	.04
		PDI-856-2	≤2.0 & > 0[1] in. wc	.56	.56	56	.57	.56	.56	.58
[1]NA	**Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C**		**0 lb/ft² combustibles in designated exclusion area (within 15 feet of fans)**	SAT	SAT	SAT	Sat	SAT	SAT	SAT
4.3.2.2[2]	Room 201		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	Sat	SAT	SAT	SAT
4.3.2.2[2]	Room 204		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	Sat	SAT	SAT	SAT

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 5 of 5)

			Date:	4-15-19	4/16/19	4/17/19	4-18-19	4/19/19	4/20/19	4/21/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BF			DS			
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS						
4.3.2.2[2]	Room 206		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 207		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
			Completion time	0810	1030	0740	0810	0800	0750	0750
			OC Operator Review and Page Count Complete (initials)	JSL AM MJW	JSL MJW	AM MJW	MJW	JSL MJW	JSL MJW	JSL MJW

[1] Non TSR requirement

[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR's 4.1.3.4 and 4.3.2.2 apply during both Mode 1 and Mode 2.

Note: Rooms 201, 206 & 207 **must be** entered for surveillance even if they are red lit, room 204 can be viewed through the window. Notify the Operations Center of any rooms that are unable to be entered for the performance of rounds, Operations Center will make a logbook entry recording the room(s) and reason(s) for non-entry. Document in the comments section any room(s) and reason(s) they were unable to be entered for rounds.

Completed by: Jerome Martin Date 4/21/19 Time 0750 Reviewed by: _____ Date: 4/22/2019 Time: 1141

On-duty Supervisor

Comments: _____

FOR INFORMATION ONLY

ATTACHMENT C: Non-PF-4 Daily Surveillance Rounds [UET]

(Page 1 of 1)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

M&TE Calibrated Data						
Record September through April only	PF-10 Thermometer File No.:	039746	PF-10 Thermistor File No.:	103765	V-701 Thermistor File No.:	103761
	Calibration Expiration Date:	6/15/19	Calibration Expiration Date:	7/23/19	Calibration Expiration Date:	7/23/19
	PF-11 Thermometer File No.:	039745	PF-11 Thermistor File No.:	105353	V-704 Thermistor File No.:	040375
	Calibration Expiration Date:	6/15/19	Calibration Expiration Date:	8/7/19	Calibration Expiration Date:	8/7/19

PF-10 & PF-11 Pump house Room Temperature and V-701 & V-704 Fire Water Storage Tank Temperature									
Daily (September through April only)		Date:	4/15/19	4-16-19	4/17/19	4-18-19	4-19-19	4-20-19	04-21-19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	TL	PT	SD	PT	AAS	JSC	BC
SR	**Description**	**Acceptance Criteria**							
NA	ENSURE *M&TE Calibration Data* above is recorded and calibration dates have not elapsed.	Calibration dates have not elapsed.	(SAT)/UNSAT	(SAT)/UNSAT	(SAT)/UNSAT	(SAT)/UNSAT	(SAT)/UNSAT	(SAT)/UNSAT	(SAT)/UNSAT
4.3.1.1[1]	RECORD fire water storage tank V-701 temperature	≥ 42.1 F	54.1	54.6	54.7	54.3	54.1	54.9	55.4
4.3.1.1[1]	RECORD fire water storage tank V-704 temperature	≥ 42.1 F	53.2	54.8	54.8	54.6	54.6	55.7	56.3
4.3.1.3[1]	RECORD PF-10 room temperature	≥ 50.1 F	66.7	67.8	62.9	64.5	62.1	63.5	63.4
4.3.1.3[1]	RECORD PF-11 room temperature	≥ 50.1 F	68.3	63.4	59.7	64.7	62.7	64.4	63.5
		Completion Time:	0723	0748	0756	0756	0738	0919	0908
	OC Operator Review and Page Count Complete (initials)		~~APA~~ 4/15/19 APA JSC MJW	JSC MJW	BC MJW	APA MJW	BC JSC MJW	BC MJW	JSC BC MJW

[1] Temperatures should be recorded using Reference Thermometer FLUKE Model 1524 connected to Thermistor Probe Fluke Model 5610-9 (or approved engineered equivalent).

Completed by: _____ Date 04.21.19 Time 0908

Reviewed by: _____ Date: 4/22/2019 Time: 1141

On-duty Supervisor

Comments: _____

NUCLEAR PROPERTY OF TA-55 UNCONTROLLED WHEN PRINTED

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 1 of 3)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

Note: Gauge readings should be taken on rack #4 in the OC. whenever possible. Document if alternate PDIs are used.		Date:	4/22/19		4/23/19		04-24-19		04-25-19		4/26/19		4/27/19		4/28/19	
		Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
		Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
		Initials:	[illegible]	AZG	[illegible]	ARS	EC	[illegible]	EC	ARS	[illegible]	AZG	[illegible]	ARS	[illegible]	[illegible]
SRs	**Description**	**Gauge Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**													
4.1.1.1 4.1.2.1[2]	**200 area glovebox exhaust header ΔP**	PDI-814-1 or PDI-814-2 ≤-1.0 in. wc[1]	-1.99	2.01	-2.00	-1.99	-1.99	-2.00	-2.00	2.01	-2.00	-2.01	-1.98	-2.00	-1.98	-2.00
	100 area glovebox exhaust header ΔP	PDI-820-1 or PDI-820-2 ≤-1.0 in. wc[1]	-1.94	-1.94	-1.93	-1.93	-1.93	-1.94	-1.94	-1.93	-1.93	-1.94	-1.93	-1.94	-1.93	-1.94
	300 area glovebox exhaust header ΔP	PDI-870-1 or PDI-870-2 ≤-1.0 in. wc[1]	-2.03	-2.04	-2.04	-2.05	-2.05	-2.01	-2.05	-2.04	-2.04	-2.01	-2.06	-2.03	-2.05	-2.04
	400 area glovebox exhaust header ΔP	PDI-864-1 or PDI-864-2 ≤-1.0 in. wc[1]	-2.01	-2.03	-2.02	-2.02	-1.99	-1.03	-1.98	-2.06	-2.03	-2.02	-2.02	-2.04	-2.03	-2.02
4.1.1.2 4.1.1.5 4.1.2.2[2]	**200 area laboratory header ΔP**	PDI-803-1 or PDI-803-2 ≤-0.05 in. wc[1]	-.19	-.19	-.19	-.19	-.18	-.01	-.19	-.19	-.18	-.19	-.19	-.19	-.19	-.20
	100 area laboratory header ΔP	PDI-802-1 or PDI-802-2 ≤-0.05 in. wc[1]	-.24	-.23	-.24	-.24	-.23	-0.25	-.24	-.25	-.24	-.25	-.24	-.25	-.24	-.25
	300 area laboratory header ΔP	PDI-853-1 or PDI-853-2 ≤-0.05 in. wc[1]	-.20	-.19	-.20	-.20	-.19	-0.20	-.19	-.20	-.20	-.20	-.20	-.20	-.20	-.21
	400 area laboratory header ΔP	PDI-852-1 or PDI-852-2 ≤-0.05 in. wc[1]	-.19	-.19	-.20	-.19	-.19	-0.20	-.18	-.20	-.19	-.20	-.20	-.20	-.19	-.20
	IFIT Facility ΔP	PDI-865-4 or PDI-865-5 ≤-0.05 in. wc	-.15	-.15	-.15	-.15	-.15	-0.15	-.15	-.15	-.15	-.15	-.15	-.15	-.15	-.15
4.1.1.3 4.1.2.3[2]	**North basement ΔP**	PDI-804-1 or PDI-804-2 < 0.00 in. wc	-.09	-.09	-.09	-.08	-.09	-0.09	-.09	-.09	-.10	-.09	-.09	-.09	-.09	-.09
	South basement ΔP	PDI-854-1 or PDI-854-2 < 0.00 in. wc	-.08	-.08	-.08	-.08	-.08	-0.08	-.08	-.08	-.10	-.08	-.09	-.08	-.08	-.08
	IRT Tunnel ΔP	PDT-901 or PDI-901 < 0.00 in. wc	-.090	-.094	-.091	-.079	-.092	-0.081	-.094	-.089	-.091	-.093	-.080	-.092	-.093	-.081

Not Controlled

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 2 of 3)

Note Readings should be taken using FCS screens FMT#151,152,201LD and 202LD. Field verification and local plenum PDI's may be used if FCS is unavailable.			Date:	4/22/19		4/23/19		04-24-19		04-25-19		4/26/19		4/27/19		4/28/19	
			Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
			Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
			Initials:	[illegible]	AM	[illegible]	AM	BC	[illegible]	BC	AM	[illegible]	AM	[illegible]	AM	[illegible]	AM
SRs	**Description**	**Readings**	**Acceptance Criteria**	**SURVEILLANCE RESULTS Sat / Unsat (circle one)**													
4.1.1.6	**200 area re-circulation fan/ plenum**	FR-801 Icon red and PDT-831 ΔP >.050 or FR-802 Icon red and PDT-832 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	100 area re-circulation fan/ plenum	FR-803 Icon red and PDT-833 ΔP >.050 or FR-804 Icon red and PDT-835 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	300 area re-circulation fan/ plenum	FR-805 Icon red and PDT-836 ΔP >.050 or FR-806 Icon red and PDT-837 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	400 area re-circulation fan/ plenum	FR-807 Icon red and PDT-838 ΔP >.050 or FR-808 Icon red and PDT-839 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	Vault re-circulation fan/ plenum	FR-811 Icon red and PDT-840 ΔP >.050 or FR-812 Icon red and PDT-841 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat

For Information Only

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 3 of 3)

Note
Gauge readings should be taken on rack #4 in the OC when possible, local PDI equivalents may be used if necessary. Document any alternate PDIs used.

				Date:	4/22/19		4/23/19		04-24-19		04-25-19		4/26/19		4/27/19		4/28/19	
				Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
				Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
				Initials:	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SRs	**Description**	**Area**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS Sat / Unsat (circle one)**													
4.1.1.4	Glovebox exhaust header ΔPs < laboratory ΔPs < basement ΔPs for areas 100, 200, 300 and 400	200 Area	PDI-814-2 PDI-803-2 PDI-804-2	PDI-814-2 < PDI-803-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		100 Area	PDI-820-2 PDI-802-2 PDI-804-2	PDI-820-2 < PDI-802-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		300 Area	PDI-870-2 PDI-853-2 PDI-854-2	PDI-870-2 < PDI-853-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		400 Area	PDI-864-2 PDI-852-2 PDI-854-2	PDI-864-2 < PDI-852-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		Completion Time			0735	1933	0729	1934	0727	1913	0720	1931	0726	1925	0724	1926	0725	1929
		OCS Daily Review Sign off (initials)			MJW	[illegible]	MJW [illegible]	[illegible]	MJW [illegible]	[illegible]	MJW	[illegible]	[illegible]	[illegible]	[illegible]	MJW	MJW	MJW

[1] Mode 2 acceptance criteria is < 0.00 in. wc.
[2] SRs 4.1.2.x only apply during Mode 2 in accordance with LCO 3.1.2.

Completed by: [signature] Date 4/28/19 Time 1930 Reviewed by: [signature] On-duty Supervisor Date: 4/29/19 Time: 1123

Comments: _____

For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

SR 4.4.1.1, The OPERABILITY acceptance criterion for this surveillance is:
The FLAMMABLE GAS detector in the FSTF FLAMMABLE GAS SOURCE storage cabinet is exposed to the ambient atmosphere in the storage cabinet. The gas concentration readout directly on the detector in the storage cabinet is compared with the gas concentration readout on the system control and alarm panel. The difference between the two readings is checked to VERIFY it is in the range of (≥-0.1; ≤0.1).

		Date:	4-22-19	4/23/19	4-24-19	4-25-19	4-26-19	4/27/19	4/28/19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	PT	[illegible]	PT	PT	PT	DH	DH
SR 4.4.1.1	**Description / Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (percentage)**						
	Flammable Gas Channel Check DET-305-3 (LCD Reading)	NA	005	005	005	005	005	005	005
	CP-305-H (LED Reading)		005	005	005	005	005	005	005
	(DET-305-3) – (CP-305H) (LCD Reading) (LED Reading)	Record Calculated Value	005	005	005	005	005	005	005
		≥ -0.1; ≤+0.1	~~Sat / Unsat~~ 005	~~Sat / Unsat~~ 005	~~Sat / Unsat~~ 005	~~Sat / Unsat~~ 005	~~Sat / Unsat~~ 005	~~Sat / Unsat~~ 005	~~Sat / Unsat~~ 005
		Completion Time:	PT ~~005~~ 4-22-19 0740	005	0741	0720	0710	0700	0705

For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side)[UET]

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			Date:	4-22-19	4/23/19	4-24-19	4-25-19	4-26-19	4/27/19	4/28/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	[illegible]	PT	PT	PT	DH	DH
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	South basement supply filter plenum (HVP-841) ΔP	[1]PDI-894-1	≤2.0 & > 0[1] in. wc	.04	.04	.03	.03	.03	.03	.03
		PDI-894-2	≤2.0 & > 0[1] in. wc	.45	.45	.45	.45	.45	.45	.45
4.1.3.4[2]	South Corridor supply (HVP-810) ΔP	[1]PDI-895-1	≤2.0 & > 0[1] in. wc	.04	.04	.04	.04	.04	.04	.04
		PDI-895-2	≤2.0 & > 0[1] in. wc	.71	.72	.72	.74	.74	.74	.75
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF854) ΔP	[1]PDI-817-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-817-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-817-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-817-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF858) ΔP	PDI-819-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-819-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-819-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF855) ΔP	[1]PDI-818-1	≤2.0 & > 0[1] in. wc	.25	.25	.25	.25	.25	.25	.25
		PDI-818-2	≤2.0 & > 0[1] in. wc	.30	.30	.30	.30	.30	.30	.30
		PDI-818-4	≤2.0 & > 0[1] in. wc	.30	.30	.30	.30	.31	.30	.30
		PDI-818-5	≤2.0 & > 0[1] in. wc	.30	.30	.30	.30	.30	.30	.30
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF859) ΔP	PDI-821-1	≤2.0 & > 0[1] in. wc	.41	.41	.41	.41	.41	.41	.41
		PDI-821-3	≤2.0 & > 0[1] in. wc	.49	.48	.48	.48	.48	.48	.48
		PDI-821-4	≤2.0 & > 0[1] in. wc	.41	.41	.41	.41	.41	.41	.40

For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 3 of 4)

			Date:	4-22-19	4/23/19	4-24-19	4-25-19	4-26-19	4/27/19	4/28/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	[illegible]	PT	PT	PT	DH	DH
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF856) ΔP	[1]PDI-822-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-822-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-822-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-822-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF857) ΔP	[1]PDI-823-1	≤2.0 & > 0[1] in. wc	.06	.06	.06	.06	.06	.06	.06
		PDI-823-2	≤2.0 & > 0[1] in. wc	.59	.60	.59	.59	.59	.59	.59
		PDI-823-4	≤2.0 & > 0[1] in. wc	.50	.50	.50	.49	.49	.49	.50
		PDI-823—5	≤2.0 & > 0[1] in. wc	.62	.63	.62	.63	.62	.61	.60
4.1.3.4[2]	South Basement exhaust filter plenum (FF-829) ΔP	[1]PDI-830-1	≤2.0 & > 0[1] in. wc	.24	.26	.26	.26	.26	.25	.25
		PDI-830-2	≤2.0 & > 0[1] in. wc	.11	.13	.12	.12	.13	.11	.11
		PDI-830-3	≤2.0 & > 0[1] in. wc	.10	.11	.11	.11	.11	.10	.10
4.1.1.7[2]	300 area re-circulation filter plenum (HVP-805) ΔP	[1]PDI-836-1	≤2.0 & > 0[1] in. wc	.06	.06	.06	.06	.07	.06	.07
		PDI-836-2	≤2.0 & > 0[1] in. wc	.65	.65	.65	66	.66	.65	.65
		PDI-836-3	≤2.0 & > 0[1] in. wc	.62	.63	.62	.63	.63	.64	.64
	300 area re-circulation filter plenum (HVP-806) ΔP	[1]PDI-837-1	≤2.0 & > 0[1] in. wc	.04	.04	.04	.04	.04	.04	.04
		PDI-837-2	≤2.0 & > 0[1] in. wc	.49	.49	.49	.49	.49	.49	.49
		PDI-837-3	≤2.0 & > 0[1] in. wc	.49	.48	.49	.48	.48	.48	.48

Uncontrolled for Training Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 4 of 4)

			Date:	4-22-19	4/23/19	4-24-19	4-25-19	4-26-19	4/27/19	4/28/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	[illegible]	PT	PT	PT	AH	AH
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.1.7[2]	400 area re-circulation filter plenum (HVP-807) ΔP	[1]PDI-838-1	≤2.0 & > 0[1] in. wc	.56	.56	.56	.55	.55	.55	.55
		PDI-838-2	≤2.0 & > 0[1] in. wc	.58	.58	.58	.58	.58	.58	.58
		PDI-838-3	≤2.0 & > 0[1] in. wc	.59	.59	.59	.59	.59	.59	.59
	400 area re-circulation filter plenum (HVP-808) ΔP	[1]PDI-839-1	≤2.0 & > 0[1] in. wc	.40	.40	.40	.40	.40	.40	.40
		PDI-839-2	≤2.0 & > 0[1] in. wc	.54	.55	.55	.55	.55	.54	.54
		PDI-839-3	≤2.0 & > 0[1] in. wc	.52	.53	.53	.53	.53	.53	.53
4.1.3.4[2]	South Bleed off filter plenum (FF-822A) ΔP	[1]PDI-810-1	≤2.0 & > 0[1] in. wc	.17	.18	.17	.17	.17	.17	.17
		PDI-810-2	≤2.0 & > 0[1] in. wc	.58	.59	.59	.59	.59	.59	.58
		PDI-810-3	≤2.0 & > 0[1] in. wc	.52	.53	.53	.53	.53	.52	.52
4.1.3.4[2]	South Bleed off filter plenum (FF-822B) ΔP	[1]PDI -811 - 1	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		PDI -811 -2	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		PDI -811 -3	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
			Completion Time	0740	0738	0742	0739	0728	0754	0810
OC Operator Review and Page Count Complete (initials)				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OCS Daily Review Sign off (initials)				MJW	MJW	MJW	MJW	[illegible]	[illegible]	MJW

[1] Non TSR requirement
[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR 4.1.3.4 apply during both Mode 1 and Mode 2 as stated in LCO 3.1.3.

Completed by: [illegible] Date 4/28/19 Time 0810 Reviewed by: _____ Date: 4/29/2019 Time: 1124
On-duty Supervisor

Comments Flamable gas OOS needs to be Replaced.

Uncontrolled When Printed

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 1 of 5)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

			Date:	4-22-19	4/23/19	4-24-19	4-25-19	4-26-19	4/27/19	4/28/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	[illegible]	PT	PT	PT	DH	DH
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.1.7[2]	Vault re-circulation filter plenum (HVP-811) ΔP Vault re-circulation filter plenum (HVP-812) ΔP	[1]PDI-840-1	≤2.0 & > 0[1] in. wc	.16	.17	.17	.17	.17	.17	.17
		PDI-840-2	≤2.0 & > 0 in[1] wc	.58	.58	.58	.58	.58	.58	.58
		PDI-840-3	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51	.51	.51	.51
		[1]PDI-841-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-841-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-841-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
	200 area re-circulation filter plenum (HVP-801) ΔP	[1]PDI-831-1	≤2.0 & > 0[1] in. wc	.34	.34	.34	.34	.34	.34	.34
		PDI-831-2	≤2.0 & > 0[1] in. wc	.41	.41	.41	.41	.41	.41	.41
		PDI-831-3	≤2.0 & > 0[1] in. wc	.39	.39	.39	.39	.39	.39	.39
	200 area re-circulation filter plenum (HVP-802) ΔP	[1]PDI-832-1	≤2.0 & > 0[1] in. wc	.47	.47	.47	.47	.47	.47	.47
		PDI-832-2	≤2.0 & > 0[1] in. wc	.68	.68	.68	.68	.68	.68	.68
		PDI-832-3	≤2.0 & > 0[1] in. wc	.61	.61	.61	.61	.61	.61	.61
4.1.3.4[2]	North Bleed off filter plenum (FF-820A) ΔP	[1]PDI-807-1	≤2.0 & > 0[1] in. wc	.12	.12	.12	.12	.12	.11	.11
		PDI-807-2	≤2.0 & > 0[1] in. wc	.51	.52	.52	.52	.52	.52	.52
		PDI-807-3	≤2.0 & > 0[1] in. wc	.50	.51	.51	.51	.51	.51	.51
4.1.3.4[2]	North Bleed off filter plenum (FF-820B) ΔP	[1]PDI-809-1	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		PDI-809-2	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		PDI-809-3	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

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			Date:	4-22-19	4/23/19	4-24-19	4-25-19	4-26-19	4/27/19	4/28/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	TL	PT	PT	PT	DH	DH
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	North Basement exhaust filter plenum (FF-828) ΔP	[1]PDI-829-1	≤2.0 & >0[1] in. wc	.36	.36	.38	.36	.36	.36	.36
		PDI-829-2	≤2.0 & >0[1] in. wc	.53	.53	.53	.53	.51	.52	.52
		PDI-829-3	≤2.0 & >0[1] in. wc	.44	.45	.45	.43	.42	.42	.42
4.1.1.7[2]	100 area re-circulation filter plenum (HVP-803) ΔP	[1]PDI-833-1	≤2.0 & >0[1] in. wc	.07	.08	.07	.07	.08	.08	.08
		PDI-833-2	≤2.0 & >0[1] in. wc	.52	.52	.52	.52	.52	.52	.52
		PDI-833-3	≤2.0 & >0[1] in. wc	.52	.51	.51	.51	.51	.50	.50
	100 area re-circulation filter plenum (HVP-804) ΔP	[1]PDI-835-1	≤2.0 & >0[1] in. wc	.05	.05	.05	.05	.05	.05	.05
		PDI-835-2	≤2.0 & >0[1] in. wc	.50	.50	.50	.50	.50	.49	.49
		PDI-835-3	≤2.0 & >0[1] in. wc	.50	.50	.50	.50	.50	.50	.50
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF852) ΔP	[1]PDI-815-1	≤2.0 & >0[1] in. wc	.28	.28	.28	.28	.28	.28	.28
		PDI-815-2	≤2.0 & >0[1] in. wc	.58	.58	.58	.58	.58	.58	.58
		PDI-815-4	≤2.0 & >0[1] in. wc	.50	.50	.50	.50	.50	.50	.50
		PDI-815-5	≤2.0 & >0[1] in. wc	.51	.51	.51	.51	.51	.51	.51
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF853) ΔP	[1]PDI-816-1	≤2.0 & >0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-816-2	≤2.0 & >0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-816-4	≤2.0 & >0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-816-5	≤2.0 & >0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 3 of 5)

				Date:	4-22-19	4/23/19	4-24-19	4-25-19	4-26-19	4/27/19	4/28/19
				Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
				Initials:	PT	[illegible]	PT	PT	PT	DH	DH
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)							
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF850) ΔP	[1]PDI-812-1	≤2.0 & > 0[1] in. wc	.13	.12	.12	.12	.12	.12	.12
		PDI-812-2	≤2.0 & > 0[1] in. wc	.30	.30	.29	.29	.29	.29	.29
		PDI-812-3	≤2.0 & > 0[1] in. wc	.30	.30	.30	.29	.29	.29	.29
		PDI-812-4	≤2.0 & > 0[1] in. wc	.29	.29	.28	.28	.28	.28	.28
		PDI-812-5	≤2.0 & > 0[1] in. wc	.32	.32	.31	.31	.31	.31	.31
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF851) ΔP	[1]PDI-813-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-813-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-813-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-813-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-813-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	IFIT exhaust filter plenum (FF-865) ΔP	[1]PDI-865-1	≤2.0 & > 0[1] in. wc	.02	.02	.02	.02	.02	.02	.02
		PDI-865-2	≤2.0 & > 0[1] in. wc	.38	.39	.39	.39	.38	.38	.38
		PDI-865-3	≤2.0 & > 0[1] in. wc	.31	.31	.31	.31	.31	.31	.31
4.1.3.4[2]	IFIT supply filter plenum (HVP-863) ΔP	[1]PDI-863-1	≤2.0 & > 0[1] in. wc	.05	.05	.05	.05	.05	.05	.05
		PDI-863-2	≤2.0 & >0[1] in. wc	.31	.31	.31	.31	.31	.31	.31

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 4 of 5)

			Date:	4-22-19	4/23/19	4-24-19	4-25-19	4-26-19	4/27/19	4/28/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	[illegible]	PT	PT	PT	DH	DH
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS**						
4.1.3.4[2]	North Basement supply filter plenum (HVP-840) ΔP	[1]PDI-857-1	≤ 2.0 & > 0[1] in. wc	.10	.10	.10	.10	.10	.11	.11
		PDI-857-2	≤2.0 & > 0[1] in. wc	.44	.45	.45	.45	.45	.45	.45
4.1.3.4[2]	North corridor supply filter plenum (HVP-809) ΔP	[1]PDI-856-1	≤2.0 & > 0[1] in. wc	.05	.05	.04	.04	.04	.04	.04
		PDI-856-2	≤2.0 & > 0[1] in. wc	.59	.59	.59	.59	.59	.59	.59
[1]NA	**Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C**		**0 lb/ft² combustibles in designated exclusion area (within 15 feet of fans)**	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 201		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 204		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 5 of 5)

			Date:	4-22-19	4/23/19	4-24-19	4-25-19	4-26-19	4/27/19	4/28/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	PT	PT	PT	PT	DH	DH
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS**						
4.3.2.2[2]	Room 206		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 207		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
			Completion time	0729	0723	0738	0740	0729	0731	0740
			OC Operator Review and Page Count Complete (initials)							
			OCS Daily Review Sign off (initials)	MJW	MJW	MJW	MJW 4/27/19			MJW

[1] Non TSR requirement

[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR's 4.1.3.4 and 4.3.2.2 apply during both Mode 1 and Mode 2.

Note: Rooms 201, 206 & 207 **must be** entered for surveillance even if they are red lit, room 204 can be viewed through the window. Notify the Operations Center of any rooms that are unable to be entered for the performance of rounds, Operations Center will make a logbook entry recording the room(s) and reason(s) for non-entry. Document in the comments section any room(s) and reason(s) they were unable to be entered for rounds.

Completed by: _____ Date 4/29/19 Time 0740 Reviewed by: _____ Date: 4/29/2019 Time: 1124

On-duty Supervisor

Comments: _____

For Information Only

ATTACHMENT C: Non-PF-4 Daily Surveillance Rounds [UET]

(Page 1 of 1)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

M&TE Calibrated Data						
Record September through April only	PF-10 Thermometer File No.:	039746	PF-10 Thermistor File No.:	103765	V-701 Thermistor File No.:	103761
	Calibration Expiration Date:	6/15/19	Calibration Expiration Date:	7/23/19	Calibration Expiration Date:	7/23/19
	PF-11 Thermometer File No.:	039745	PF-11 Thermistor File No.:	105353	V-704 Thermistor File No.:	040375
	Calibration Expiration Date:	6/15/19	Calibration Expiration Date:	8/7/19	Calibration Expiration Date:	8/7/19

PF-10 & PF-11 Pump house Room Temperature and V-701 & V-704 Fire Water Storage Tank Temperature									
Daily (September through April only)		Date:	4/22/19	4/23/19	4/24/19	4/25/19	4/26/19	4/27/19	4/28/19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	80	80	80	80	80	M	M
SR	Description	Acceptance Criteria							
NA	ENSURE *M&TE Calibration Data* above is recorded and calibration dates have not elapsed.	Calibration dates have not elapsed.	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT
4.3.1.1[1]	RECORD fire water storage tank V-701 temperature	≥ 42.1 F	55.6	55.1	54.1	54.5	54.9	55.4	57.0
4.3.1.1[1]	RECORD fire water storage tank V-704 temperature	≥ 42.1 F	56.6	55.7	55.2	55.6	55.7	56.5	56.0
4.3.1.3[1]	RECORD PF-10 room temperature	≥ 50.1 F	63.8	61.5	61.4	63.2	63.2	63.7	64.1
4.3.1.3[1]	RECORD PF-11 room temperature	≥ 50.1 F	65.2	65.8	60.4	60.9	63.0	62.0	61.9
		Completion Time:	0814	0747	0826	0832	0740	0826	0840
OC Operator Review and Page Count Complete (initials)			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OCS Daily Review Sign off (initials)			[illegible] MJW	MJW	MJW	MJW	[illegible]	[illegible]	MJW

[1] Temperatures should be recorded using Reference Thermometer FLUKE Model 1524 connected to Thermistor Probe Fluke Model 5610-9 (or approved engineered equivalent).

Completed by: [signature] 335126 Date 4/28/19 Time 0840

Reviewed by: [signature] Date: 4/29/2019 Time: 1126

On-duty Supervisor

Comments:

For Information Only

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 1 of 3)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

Note Gauge readings should be taken on rack #4 in the OC. whenever possible. Document if alternate PDIs are used.		**Date:**	04.29.19		04.30.19											
		Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
		Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
		Initials:	BC	[illegible]	BC	[illegible]										
SRs	**Description**	**Gauge Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**													
4.1.1.1 4.1.2.1[2]	200 area glovebox exhaust header ΔP	PDI-814-1 or PDI-814-2 ≤-1.0 in. wc[1]	-2.01	-2.01	-2.01	-1.99										
	100 area glovebox exhaust header ΔP	PDI-820-1 or PDI-820-2 ≤-1.0 in. wc[1]	-1.93	-1.94	-1.93	-1.93										
	300 area glovebox exhaust header ΔP	PDI-870-1 or PDI-870-2 ≤-1.0 in. wc[1]	-2.07	-2.06	-2.06	-2.05										
	400 area glovebox exhaust header ΔP	PDI-864-1 or PDI-864-2 ≤-1.0 in. wc[1]	-1.95	-2.02	-2.02	-2.03										
4.1.1.2 4.1.1.5 4.1.2.2[2]	200 area laboratory header ΔP	PDI-803-1 or PDI-803-2 ≤-0.05 in. wc[1]	-.19	-0.19	-.20	-0.19										
	100 area laboratory header ΔP	PDI-802-1 or PDI-802-2 ≤-0.05 in. wc[1]	-.25	-0.24	-.25	-0.24										
	300 area laboratory header ΔP	PDI-853-1 or PDI-853-2 ≤-0.05 in. wc[1]	-.20	-0.20	-.20	-0.20										
	400 area laboratory header ΔP	PDI-852-1 or PDI-852-2 ≤-0.05 in. wc[1]	-.19	-0.20	-.20	-0.19										
	IFIT Facility ΔP	PDI-865-4 or PDI-865-5 ≤-0.05 in. wc	-.15	-0.16	-.15	-0.15										
4.1.1.3 4.1.2.3[2]	North basement ΔP	PDI-804-1 or PDI-804-2 < 0.00 in. wc	-.09	-0.09	-.09	-0.09										
	South basement ΔP	PDI-854-1 or PDI-854-2 < 0.00 in. wc	-.08	-0.08	-.08	-0.08										
	IRT Tunnel ΔP	PDT-901 or PDI-901 < 0.00 in. wc	-.096	-0.092	-.081	-0.088										

For Information Only

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 2 of 3)

Note: Readings should be taken using FCS screens FMT#151,152,201LD and 202LD. Field verification and local plenum PDI's may be used if FCS is unavailable.				Date:	04-29-19		04-30-19											
				Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
				Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
				Initials:	BC		BC											
SRs	**Description**	**Readings**	**Acceptance Criteria**	**SURVEILLANCE RESULTS Sat / Unsat (circle one)**														
4.1.1.6	**200 area re-circulation fan/ plenum**	FR-801 Icon red and PDT-831 ΔP >.050 or FR-802 Icon red and PDT-832 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	100 area re-circulation fan/ plenum	FR-803 Icon red and PDT-833 ΔP >.050 or FR-804 Icon red and PDT-835 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	300 area re-circulation fan/ plenum	FR-805 Icon red and PDT-836 ΔP >.050 or FR-806 Icon red and PDT-837 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	400 area re-circulation fan/ plenum	FR-807 Icon red and PDT-838 ΔP >.050 or FR-808 Icon red and PDT-839 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	Vault re-circulation fan/ plenum	FR-811 Icon red and PDT-840 ΔP >.050 or FR-812 Icon red and PDT-841 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat

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ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 3 of 3)

Note
Gauge readings should be taken on rack #4 in the OC when possible, local PDI equivalents may be used if necessary. Document any alternate PDIs used.

Date:	04.29.19		04.30.19														
Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.				
Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	
Initials:	BC		BC														

SRs	Description	Area	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS Sat / Unsat (circle one)													
4.1.1.4	Glovebox exhaust header ΔPs < laboratory ΔPs < basement ΔPs for areas 100, 200, 300 and 400	200 Area	PDI-814-2 PDI-803-2 PDI-804-2	PDI-814-2 < PDI-803-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		100 Area	PDI-820-2 PDI-802-2 PDI-804-2	PDI-820-2 < PDI-802-2 < PDI-804-2	Sat[1] Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		300 Area	PDI-870-2 PDI-853-2 PDI-854-2	PDI-870-2 < PDI-853-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		400 Area	PDI-864-2 PDI-852-2 PDI-854-2	PDI-864-2 < PDI-852-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		Completion Time			0724	0101	0721	0726										
		OCS Daily Review Sign off (initials)			MW	TW	MW	TW										

[1] Mode 2 acceptance criteria is < 0.00 in. wc.
[2] SRs 4.1.2.x only apply during Mode 2 in accordance with LCO 3.1.2.

Completed by: _____ Date 4/30/19 Time 1926 Reviewed by: _____ Date: 5/1/2019 Time 0629
On-duty Supervisor

Comments: _____

Kuo Unpublished For Information

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

SR 4.4.1.1, The OPERABILITY acceptance criterion for this surveillance is:
The FLAMMABLE GAS detector in the FSTF FLAMMABLE GAS SOURCE storage cabinet is exposed to the ambient atmosphere in the storage cabinet. The gas concentration readout directly on the detector in the storage cabinet is compared with the gas concentration readout on the system control and alarm panel. The difference between the two readings is checked to VERIFY it is in the range of (≥-0.1; ≤0.1).

		Date:	4-29-19	4-30-19					
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	RT	AAS					
	Description / Gauge	**Acceptance Criteria**	**SURVEILLANCE RESULTS (percentage)**						
SR 4.4.1.1	**Flammable Gas Channel Check DET-305-3 (LCD Reading)**	NA	005	005					
	CP-305-H (LED Reading)		005	005					
	(DET-305-3) – (CP-305H) (LCD Reading) (LED Reading)	Record Calculated Value	005	005					
		≥ -0.1; ≤+0.1	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat	Sat / Unsat	Sat / Unsat	Sat / Unsat	Sat / Unsat
		Completion Time:	0710	0750					

For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side)[UET]

(Page 2 of 4)

			Date:	4-29-19	4-30-19					
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	AMS					
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	South basement supply filter plenum (HVP-841) ΔP	[1]PDI-894-1	≤2.0 & > 0[1] in. wc	.03	.04					
		PDI-894-2	≤2.0 & > 0[1] in. wc	.46	.45					
4.1.3.4[2]	South Corridor supply (HVP-810) ΔP	[1]PDI-895-1	≤2.0 & > 0[1] in. wc	.05	.04					
		PDI-895-2	≤2.0 & > 0[1] in. wc	.75	.75					
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF854) ΔP	[1]PDI-817-1	≤2.0 & > 0[1] in. wc	STBY	STBY					
		PDI-817-2	≤2.0 & > 0[1] in. wc	STBY	STBY					
		PDI-817-4	≤2.0 & > 0[1] in. wc	STBY	STBY					
		PDI-817-5	≤2.0 & > 0[1] in. wc	STBY	STBY					
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF858) ΔP	PDI-81 9-1	≤2.0 & > 0[1] in. wc	STBY	STBY					
		PDI-81 9-3	≤2.0 & > 0[1] in. wc	STBY	STBY					
		PDI-819-4	≤2.0 & > 0[1] in. wc	STBY	STBY					
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF855) ΔP	[1]PDI-818-1	≤2.0 & > 0[1] in. wc	.25	.25					
		PDI-818-2	≤2.0 & > 0[1] in. wc	.30	.31					
		PDI-818-4	≤2.0 & > 0[1] in. wc	.31	.30					
		PDI-818-5	≤2.0 & > 0[1] in. wc	.30	.31					
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF859) ΔP	PDI-821-1	≤2.0 & > 0[1] in. wc	.41	.42					
		PDI-821-3	≤2.0 & > 0[1] in. wc	.48	.46					
		PDI-821-4	≤2.0 & > 0[1] in. wc	.41	.41					

For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 3 of 4)

			Date:	4-29-19	4-30-19					
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	AAS					
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF856) ΔP	[1]PDI-822-1	≤2.0 & > 0[1] in. wc	STBY	STBY					
		PDI-822-2	≤2.0 & > 0[1] in. wc	STBY	STBY					
		PDI-822-4	≤2.0 & > 0[1] in. wc	STBY	STBY					
		PDI-822-5	≤2.0 & > 0[1] in. wc	STBY	STBY					
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF857) ΔP	[1]PDI-823-1	≤2.0 & > 0[1] in. wc	.06	.06					
		PDI-823-2	≤2.0 & > 0[1] in. wc	.59	.59					
		PDI-823-4	≤2.0 & > 0[1] in. wc	.50	.49					
		PDI-823—5	≤2.0 & > 0[1] in. wc	.62	.61					
4.1.3.4[2]	South Basement exhaust filter plenum (FF-829) ΔP	[1]PDI-830-1	≤2.0 & > 0[1] in. wc	.26	.24					
		PDI-830-2	≤2.0 & > 0[1] in. wc	.14	.12					
		PDI-830-3	≤2.0 & > 0[1] in. wc	.11	.11					
4.1.1.7[2]	300 area re-circulation filter plenum (HVP-805) ΔP	[1]PDI-836-1	≤2.0 & > 0[1] in. wc	.06	.06					
		PDI-836-2	≤2.0 & > 0[1] in. wc	.65	.64					
		PDI-836-3	≤2.0 & > 0[1] in. wc	.63	.64					
	300 area re-circulation filter plenum (HVP-806) ΔP	[1]PDI-837-1	≤2.0 & > 0[1] in. wc	.04	.04					
		PDI-837-2	≤2.0 & > 0[1] in. wc	.49	.49					
		PDI-837-3	≤2.0 & > 0[1] in. wc	.48	.45					

For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 4 of 4)

			Date:	4-29-19	4-30-19				
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	AMS					
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.1.7[2]	400 area re-circulation filter plenum (HVP-807) ΔP	[1]PDI-838-1	≤2.0 & > 0[1] in. wc	.51	.55					
		PDI-838-2	≤2.0 & > 0[1] in. wc	.59	.58					
		PDI-838-3	≤2.0 & > 0[1] in. wc	.59	.59					
	400 area re-circulation filter plenum (HVP-808) ΔP	[1]PDI-839-1	≤2.0 & > 0[1] in. wc	.40	.40					
		PDI-839-2	≤2.0 & > 0[1] in. wc	.55	.52					
		PDI-839-3	≤2.0 & > 0[1] in. wc	.53	.54					
4.1.3.4[2]	South Bleed off filter plenum (FF-822A) ΔP	[1]PDI-810-1	≤2.0 & > 0[1] in. wc	.17	.17					
		PDI-810-2	≤2.0 & > 0[1] in. wc	.58	.59					
		PDI-810-3	≤2.0 & > 0[1] in. wc	.52	.54					
4.1.3.4[2]	South Bleed off filter plenum (FF-822B) ΔP	[1]PDI -811 - 1	≤2.0 & > 0[1] in. wc	OFF	OFF					
		PDI -811 -2	≤2.0 & > 0[1] in. wc	OFF	OFF					
		PDI -811 -3	≤2.0 & > 0[1] in. wc	OFF	OFF					
			Completion Time	0740	0759					
OC Operator Review and Page Count Complete (initials)				BK JSC	BK JSC					
OCS Daily Review Sign off (initials)				MJW	MJW					

[1] Non TSR requirement
[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR 4.1.3.4 apply during both Mode 1 and Mode 2 as stated in LCO 3.1.3.

Completed by: [signature] Date 4/30/19 Time 0802 Reviewed by: _____ Date: 4/30/19 5/1/19 Time: 0630
On-duty Supervisor

Comments Flammable Gas channel OOS Replacement Coming

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 1 of 5)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

For Information Only

			Date:	4-29-19	4-30-19					
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	AAS					
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.1.7[2]	Vault re-circulation filter plenum (HVP-811) ΔP Vault re-circulation filter plenum (HVP-812) ΔP	[1]PDI-840-1	≤2.0 & > 0[1] in. wc	.17	.17					
		PDI-840-2	≤2.0 & > 0 in[1] wc	.58	.56					
		PDI-840-3	≤2.0 & > 0[1] in. wc	.51	.51					
		[1]PDI-841-1	≤2.0 & > 0[1] in. wc	STBY	STBY					
		PDI-841-2	≤2.0 & > 0[1] in. wc	STBY	STBY					
		PDI-841-3	≤2.0 & > 0[1] in. wc	STBY	STBY					
	200 area re-circulation filter plenum (HVP-801) ΔP	[1]PDI-831-1	≤2.0 & > 0[1] in. wc	.34	.34					
		PDI-831-2	≤2.0 & > 0[1] in. wc	.41	.41					
		PDI-831-3	≤2.0 & > 0[1] in. wc	.39	.39					
	200 area re-circulation filter plenum (HVP-802) ΔP	[1]PDI-832-1	≤2.0 & > 0[1] in. wc	.47	.47					
		PDI-832-2	≤2.0 & > 0[1] in. wc	.68	.65					
		PDI-832-3	≤2.0 & > 0[1] in. wc	.61	.61					
4.1.3.4[2]	North Bleed off filter plenum (FF-820A) ΔP	[1]PDI-807-1	≤2.0 & > 0[1] in. wc	.12	.11					
		PDI-807-2	≤2.0 & > 0[1] in. wc	.52	.52					
		PDI-807-3	≤2.0 & > 0[1] in. wc	.51	.51					
4.1.3.4[2]	North Bleed off filter plenum (FF-820B) ΔP	[1]PDI-809-1	≤2.0 & > 0[1] in. wc	OFF	OFF					
		PDI-809-2	≤2.0 & > 0[1] in. wc	OFF	OFF					
		PDI-809-3	≤2.0 & > 0[1] in. wc	OFF	OFF					

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 2 of 5)

			Date:	4-29-19	4-30-19					
			Weekday:	Mon	Tue	Wed	Thu	Fri	Sat.	Sun.
			Initials:	PT	AMS					
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	North Basement exhaust filter plenum (FF-828) ΔP	[1]PDI-829-1	≤2.0 & > 0[1] in. wc	.34	.36					
		PDI-829-2	≤2.0 & > 0[1] in. wc	.51	.56					
		PDI-829-3	≤2.0 & > 0[1] in. wc	.40	.46					
4.1.1.7[2]	100 area re-circulation filter plenum (HVP-803) ΔP	[1]PDI-833-1	≤2.0 & > 0[1] in. wc	.08	.08					
		PDI-833-2	≤2.0 & > 0[1] in. wc	.52	.51					
		PDI-833-3	≤2.0 & > 0[1] in. wc	.51	.51					
	100 area re-circulation filter plenum (HVP-804) ΔP	[1]PDI-835-1	≤2.0 & > 0[1] in. wc	.05	.05					
		PDI-835-2	≤2.0 & > 0[1] in. wc	.50	.49					
		PDI-835-3	≤2.0 & > 0[1] in. wc	.50	.50					
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF852) ΔP	[1]PDI-815-1	≤2.0 & > 0[1] in. wc	.28	.24					
		PDI-815-2	≤2.0 & > 0[1] in. wc	.58	.56					
		PDI-815-4	≤2.0 & > 0[1] in. wc	.50	.50					
		PDI-815-5	≤2.0 & > 0[1] in. wc	.50	.51					
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF853) ΔP	[1]PDI-816-1	≤2.0 & > 0[1] in. wc	STBY	STBY					
		PDI-816-2	≤2.0 & > 0[1] in. wc	STBY	STBY					
		PDI-816-4	≤2.0 & > 0[1] in. wc	STBY	STBY					
		PDI-816-5	≤2.0 & > 0[1] in. wc	STBY	STBY					

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 3 of 5)

			Date:	4-29-19	4-30-19					
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	MAS					
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF850) ΔP	[1]PDI-812-1	≤2.0 & >0[1] in. wc	.13	.12					
		PDI-812-2	≤2.0 & >0[1] in. wc	.29	.28					
		PDI-812-3	≤2.0 & >0[1] in. wc	.29	.28					
		PDI-812-4	≤2.0 & >0[1] in. wc	.28	.28					
		PDI-812-5	≤2.0 & >0[1] in. wc	.31	.31					
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF851) ΔP	[1]PDI-813-1	≤2.0 & >0[1] in. wc	STBY	STBY					
		PDI-813-2	≤2.0 & >0[1] in. wc	STBY	STBY					
		PDI-813-3	≤2.0 & >0[1] in. wc	STBY	STBY					
		PDI-813-4	≤2.0 & >0[1] in. wc	STBY	STBY					
		PDI-813-5	≤2.0 & >0[1] in. wc	STBY	STBY					
4.1.3.4[2]	IFIT exhaust filter plenum (FF-865) ΔP	[1]PDI-865-1	≤2.0 & >0[1] in. wc	.02	.01					
		PDI-865-2	≤2.0 & >0[1] in. wc	.38	.38					
		PDI-865-3	≤2.0 & >0[1] in. wc	.31	.31					
4.1.3.4[2]	IFIT supply filter plenum (HVP-863) ΔP	[1]PDI-863-1	≤2.0 & >0[1] in. wc	.05	.05					
		PDI-863-2	≤2.0 & >0[1] in. wc	.31	.31					

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 4 of 5)

			Date:	4-29-19	4-30-19					
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	AMS					
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS**						
4.1.3.4[2]	North Basement supply filter plenum (HVP-840) ΔP	[1]PDI-857-1	≤ 2.0 & > 0[1] in. wc	.10	.10					
		PDI-857-2	≤2.0 & > 0[1] in. wc	.47	.45					
4.1.3.4[2]	North corridor supply filter plenum (HVP-809) ΔP	[1]PDI-856-1	≤2.0 & > 0[1] in. wc	.05	.05					
		PDI-856-2	≤2.0 & > 0[1] in. wc	.59	.58					
[1]NA	**Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C**		**0 lb/ft² combustibles in designated exclusion area (within 15 feet of fans)**	SAT	SAT					
4.3.2.2[2]	Room 201		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT					
4.3.2.2[2]	Room 204		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT					

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 5 of 5)

			Date:	4-29-19	4-30-19					
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	AMS					
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS						
4.3.2.2[2]	Room 206		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT					
4.3.2.2[2]	Room 207		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT					
			Completion time	0738	0749					
			OC Operator Review and Page Count Complete (initials)	BC JSC	BC JSC					
			OCS Daily Review Sign off (initials)	MJW	MJW					

[1] Non TSR requirement

[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR's 4.1.3.4 and 4.3.2.2 apply during both Mode 1 and Mode 2.

Note: Rooms 201, 206 & 207 **must be** entered for surveillance even if they are red lit, room 204 can be viewed through the window. Notify the Operations Center of any rooms that are unable to be entered for the performance of rounds, Operations Center will make a logbook entry recording the room(s) and reason(s) for non-entry. Document in the comments section any room(s) and reason(s) they were unable to be entered for rounds.

Completed by: Anthony Sanchez Date 4/30/19 Time 0802 Reviewed by: _____ Date: 5/1/19 Time: 0630

On-duty Supervisor

Comments: _____

For Information Only

ATTACHMENT C: Non-PF-4 Daily Surveillance Rounds [UET]

(Page 1 of 1)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

M&TE Calibrated Data						
Record September through April only	PF-10 Thermometer File No.:	039746	PF-10 Thermistor File No.:	103765	V-701 Thermistor File No.:	103761
	Calibration Expiration Date:	6/15/19	Calibration Expiration Date:	7/23/19	Calibration Expiration Date:	7/23/19
	PF-11 Thermometer File No.:	039745	PF-11 Thermistor File No.:	105353	V-704 Thermistor File No.:	040375
	Calibration Expiration Date:	6/15/19	Calibration Expiration Date:	8/7/19	Calibration Expiration Date:	8/7/19

PF-10 & PF-11 Pump house Room Temperature and V-701 & V-704 Fire Water Storage Tank Temperature									
Daily (September through April only)		Date:	4/29/19	4/30/19					
		Weekday:	Mon	Tue	Wed.	Thu.	Fri	Sat	Sun.
		Initials:	SD	SD					
SR	Description	Acceptance Criteria							
NA	ENSURE *M&TE Calibration Data* above is recorded and calibration dates have not elapsed.	Calibration dates have not elapsed.	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT
4.3.1.1[1]	RECORD fire water storage tank V-701 temperature	≥ 42 1 F	56.6	56.1					
4.3.1.1[1]	RECORD fire water storage tank V-704 temperature	≥ 42 1 F	57.7	56.9					
4.3.1.3[1]	RECORD PF-10 room temperature	≥ 50 1 F	64.7	61.8					
4.3.1.3[1]	RECORD PF-11 room temperature	≥ 50 1 F	64.4	66.3					
		Completion Time:	0750	0806					
OC Operator Review and Page Count Complete (initials)			BC JSC	JSC BC					
OCS Daily Review Sign off (initials)			MJW	MJW					

[1] Temperatures should be recorded using Reference Thermometer FLUKE Model 1524 connected to Thermistor Probe Fluke Model 5610-9 (or approved engineered equivalent).

Completed by: [signature] Date 4/30/19 Time 0845

Reviewed by: [signature] On-duty Supervisor Date: 5/1/2019 Time: 0631

Comments:

For Information Only

ATTACHMENT D: Monthly Surveillance Rounds (Confinement Doors) [UET]

(Page 1 of 2)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

SRs	Equipment	Location	Acceptance criteria	Sat or Unsat.	Completion Time:	Date:	Initials
*Note	Confinement DR-344	Southeast	Verify that the Astragals and Jamb-Seal features are in-place and cover the gaps present 1. Between the door leaves and 2. Between the frame and the door edge when the doors are in the closed position	Sat / Unsat.	1410	4/4/19	RH
4.1.3.2[1]	Confinement Door DR-344	Southeast	Exercise fully open and Verify that the door goes to the fully closed position via the automatic door closure. For each confinement door, VERIFY that one leaf of the door(s) is secured shut (NW, NE, SW, SE, south basement door).	Sat / Unsat.	1415	4/4/19	RH
4.1.3.2[1]	Confinement Door DR-149	Northeast	Exercise fully open and Verify that the door goes to the fully closed position via the automatic door closure. For each confinement door, VERIFY that one leaf of the door(s) is secured shut (NW, NE, SW, SE, south basement door).	Sat. / Unsat.	1304	4/4/19	RH
*Note	Confinement DR-102	Northwest	Verify that the Astragals and Jamb-Seal features are in-place and cover the gaps present 1. Between the door leaves and 2. Between the frame and the door edge when the doors are in the closed position	Sat. / Unsat.	1340	4/4/19	RH
4.1.3.2[1]	Confinement Door DR-102	Northwest	Exercise fully open and Verify that the door goes to the fully closed position via the automatic door closure. For each confinement door, VERIFY that one leaf of the door(s) is secured shut (NW, NE, SW, SE, south basement door).	Sat. / Unsat.	1345	4/4/19	RH
			AND VERIFY and RECORD the time (using calibrated stop watch) that the door(s) go to the fully closed position via the automatic door closure is ≤ 30 seconds. 4.3 Seconds	Sat / Unsat.	1335	4/4/19	RH

*** Note:** Monthly Inspection of DR-344 and DR-102 in accordance with compensatory measure(s) from: *Request for Permanent Equivalency to OE Order 420.1B Chapter II, NFPA 80, NFPA 101 and IBC Requirements for LANL Building TA55-4 (PF-4); Installation of New Confinement Doors DR-102, DR-302, and DR-344 LANL-DOE-ORDER-420.1B-EQ-2013-001*

For Information Only

ATTACHMENT D: Monthly Surveillance Rounds (Confinement Doors) [UET]

(Page 2 of 2)

SRs	Equipment	Location	Acceptance criteria	Sat or Unsat.	Completion Time:	Date:	Initials
4.1.3.2[1]	Confinement Door DR-302	Southwest	Exercise fully open and Verify that the door goes to the fully closed position via the automatic door closure. For each confinement door, VERIFY that one leaf of the door(s) is secured shut (NW, NE, SW, SE, south basement door).	(Sat) / Unsat.	1400	4/4/19	RN
			AND VERIFY and RECORD the time (using calibrated stop watch) that the door(s) go to the fully closed position via the automatic door closure is ≤ 30 seconds. 40.4 Seconds	(Sat) / Unsat.	1355	4/4/19	RN
4.1.3.2[1]	Confinement Door DR-4	N. Basement Personnel door DR-4	Exercise fully open and Verify that the door goes to the fully closed position via the automatic door closure.	(Sat) / Unsat.	1325	4/4/19	RN
4.1.3.2[1]	Confinement Door DR-90	South Basement Door (Tunnel)	Exercise fully open and Verify that the door goes to the fully closed position via the automatic door closure. For each confinement door, VERIFY that one leaf of the door(s) is secured shut (NW, NE, SW, SE, south basement door).	(Sat) / Unsat.	1550	4/3/19	RN
					OC Operator Review and Page Count Complete		

[1] SR 4.1.3.2 applies during both Mode 1 and Mode 2.

Completed by: R HOWDER Date: 4/4/19 Time: 1417 Reviewed by: _____ Date: 5/1/2019 ~~4/4/19~~ Time: 0631

On-duty Supervisor Comments: _____

For Information Only

Attachment B, Surveillance Training Checklist

(Page 1 of 2)

Procedure title:	SURVEILLANCE ROUNDS
Procedure no.:	TA55-STP-004, R20
Date of issue:	5/1/19
Working copy issued to:	C. COCHRAN
Working copy issued by:	F. SEYBERT
	Certified Operations Center Operator (OCO)

Procedure is the current revision listed in Documentum: ☒ Yes ☐ Documentum Unavailable

Performance Type: ☒ Scheduled ☐ Partial ☐ Other *If partial or other list reason in Comments below*

Comments: *(Document TSR Status Board tracking date here if different from completion date.)*

Training Checklist:

Workers Performing Surveillance	Applicable Surveillance Training Current	
	OCO Initials	Date
J. CEDILLO	[illegible]	5/1/19
B. CHANCE	[illegible]	
C. COCHRAN	[illegible]	
A. JAUREGUI	[illegible]	
M. MILLER	[illegible]	
R. PRICE	[illegible]	
F. SEYBERT	[illegible]	
A. ASHLEY	[illegible]	
D. DUNLAVY	[illegible]	5/1/19

OC Reviews Complete and TSR Status Board Updated

[signature] 5/31/19

OCO Signature Date

For Information Only

Attachment B, Surveillance Training Checklist (continued)
(Page 2 of 2)

Training Checklist (continuation sheet)

Workers Performing Surveillance	Applicable Surveillance Training Current	
	Initials	Date
M. WELLS	[signature]	5/1/19
A. DUNSFEITH		
M. WASHBURN	[signature]	
B. FORDHAM	[signature]	
D. HEINTSCHEL		
R. HOHNER		
M. IRISH		
T. LANGWORTHY	[signature]	
J. MARTINEZ	[signature]	5/1/19
R. MARTINEZ		
ANTHONY SANCHEZ	[signature]	
AUGIE SANCHEZ	[signature]	
P. TRUJILLO	[signature]	
S. O'NEILL	[signature]	5/1/19

For Information Only

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 1 of 3)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

Note: Gauge readings should be taken on rack #4 in the OC. whenever possible. Document if alternate PDIs are used.		Date:					5/1/19		5/2/19		05-03-19		05-04-19		5-5-19	
		Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
		Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
		Initials:					[illegible]	ARY	M	ARY	BC	[illegible]	BC	[illegible]	JSL	[illegible]
SRs	**Description**	**Gauge Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**													
4.1.1.1 4.1.2.1[2]	200 area glovebox exhaust header ΔP	PDI-814-1 or PDI-814-2 ≤-1.0 in. wc[1]					-1.99	-2.01	-2.00	-1.97	-1.99	-1.99	-2.01	-1.99	-2.00	-2.01
	100 area glovebox exhaust header ΔP	PDI-820-1 or PDI-820-2 ≤-1.0 in. wc[1]					-1.96	-1.93	-1.94	-1.93	-1.94	-1.93	-1.94	-1.93	-1.93	-1.94
	300 area glovebox exhaust header ΔP	PDI-870-1 or PDI-870-2 ≤-1.0 in. wc[1]					-2.08	-2.07	-2.07	-2.07	-2.06	-2.07	-2.07	-2.07	-2.07	-2.07
	400 area glovebox exhaust header ΔP	PDI-864-1 or PDI-864-2 ≤-1.0 in. wc[1]					-2.03	-2.02	-2.03	-2.02	-2.03	-2.02	-2.02	-2.03	-2.02	-2.03
4.1.1.2 4.1.1.5 4.1.2.2[2]	200 area laboratory header ΔP	PDI-803-1 or PDI-803-2 ≤-0.05 in. wc[1]					-.19	-.19	-.19	-.19	-.19	-.19	-.19	-0.19	-0.19	-.19
	100 area laboratory header ΔP	PDI-802-1 or PDI-802-2 ≤-0.05 in. wc[1]					-.20	-.24	-.24	-.24	-.24	-.24	-.24	-0.25	-0.24	-.21
	300 area laboratory header ΔP	PDI-853-1 or PDI-853-2 ≤-0.05 in. wc[1]					-.18	-.20	-.20	-.21	-.20	-.20	-.20	-0.21	-0.20	-.20
	400 area laboratory header ΔP	PDI-852-1 or PDI-852-2 ≤-0.05 in. wc[1]					-.18	-.20	-.19	-.20	-.20	-.20	-.20	-0.20	-0.19	-.20
	IFIT Facility ΔP	PDI-865-4 or PDI-865-5 ≤-0.05 in. wc					-.15	-.15	-.15	-.15	-.15	-.15	-.15	-0.15	-0.15	-.15
4.1.1.3 4.1.2.3[2]	North basement ΔP	PDI-804-1 or PDI-804-2 < 0.00 in. wc					-.09	-.09	-.09	-.09	-.09	-.09	-.09	-0.09	-0.09	-.10
	South basement ΔP	PDI-854-1 or PDI-854-2 < 0.00 in. wc					-.09	-.08	-.08	-.08	-.08	-.08	-.08	-0.08	-0.08	-.08
	IRT Tunnel ΔP	PDT-901 or PDI-901 < 0.00 in. wc					-.101	-.094	-.091	-.084	-.094	-.091	-.082	-0.074	-0.091	-.082

For Information Only

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 2 of 3)

Note: Readings should be taken using FCS screens FMT#151,152,201LD and 202LD. Field verification and local plenum PDI's may be used if FCS is unavailable.		Date:					5/1/19		5/2/19		05-03-19		05-04-19		5-5-19	
		Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
		Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
		Initials:					[illegible]	AM	[illegible]	AM	BC	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SRs	**Description**	**Readings**	**Acceptance Criteria**	**SURVEILLANCE RESULTS Sat / Unsat (circle one)**												
4.1.1.6	**200 area re-circulation fan/ plenum**	FR-801 Icon red and PDT-831 ΔP >.050 or FR-802 Icon red and PDT-832 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	100 area re-circulation fan/ plenum	FR-803 Icon red and PDT-833 ΔP >.050 or FR-804 Icon red and PDT-835 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	300 area re-circulation fan/ plenum	FR-805 Icon red and PDT-836 ΔP >.050 or FR-806 Icon red and PDT-837 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	400 area re-circulation fan/ plenum	FR-807 Icon red and PDT-838 ΔP >.050 or FR-808 Icon red and PDT-839 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	Vault re-circulation fan/ plenum	FR-811 Icon red and PDT-840 ΔP >.050 or FR-812 Icon red and PDT-841 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat

Non-Proprietary Information

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 3 of 3)

Note
Gauge readings should be taken on rack #4 in the OC when possible, local PDI equivalents may be used if necessary. Document any alternate PDIs used.

				Date:					5/1/19		5/2/19		05-03-19		05-04-19		5-5-19	
				Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
				Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
				Initials:					[illegible]	ARJ	[illegible]	ARJ	BC	[illegible]	BC	[illegible]	JSC	[illegible]
SRs	**Description**	**Area**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS Sat / Unsat (circle one)**													
4.1.1.4	Glovebox exhaust header ΔPs < laboratory ΔPs < basement ΔPs for areas 100, 200, 300 and 400	200 Area	PDI-814-2 PDI-803-2 PDI-804-2	PDI-814-2 < PDI-803-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		100 Area	PDI-820-2 PDI-802-2 PDI-804-2	PDI-820-2 < PDI-802-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		300 Area	PDI-870-2 PDI-853-2 PDI-854-2	PDI-870-2 < PDI-853-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		400 Area	PDI-864-2 PDI-852-2 PDI-854-2	PDI-864-2 < PDI-852-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		Completion Time							0730	1929	0733	1929 ~~0729~~ AM 5/2/19	0725 ~~1924~~ 5/2/19	1919	0704	1920	0721	1926
		OCS Daily Review Sign off (initials)							MJW	[illegible]	MJW	[illegible]	a	[illegible] MJW	MJW BC	MJW	[illegible] 5-5-19 ~~JSC~~ MJW	MJW

[1] Mode 2 acceptance criteria is < 0.00 in. wc.
[2] SRs 4.1.2.x only apply during Mode 2 in accordance with LCO 3.1.2.

Completed by: [illegible] Date 5/5/19 Time 1926 Reviewed by: [signature] On-duty Supervisor Date: 5/6/20 Time: 0724

Comments: _____

For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

SR 4.4.1.1, The OPERABILITY acceptance criterion for this surveillance is:
The FLAMMABLE GAS detector in the FSTF FLAMMABLE GAS SOURCE storage cabinet is exposed to the ambient atmosphere in the storage cabinet. The gas concentration readout directly on the detector in the storage cabinet is compared with the gas concentration readout on the system control and alarm panel. The difference between the two readings is checked to VERIFY it is in the range of (≥-0.1; ≤0.1).

		Date:			5-1-19	5/2/19	5/3/19	05.04.19	5/5/19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:			PT			BC	
SR 4.4.1.1	Description / Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (percentage)						
	Flammable Gas Channel Check DET-305-3 (LCD Reading)	NA			005	005	005	005	005
	CP-305-H (LED Reading)				005	005	005	005	005
	(DET-305-3) – (CP-305H)	Record Calculated Value			005	005	005	005	005
	(LCD Reading) (LED Reading)	≥ -0.1; ≤+0.1	Sat / Unsat	Sat / Unsat	Sat / Unsat	Sat / Unsat	Sat / Unsat	Sat / Unsat	Sat / Unsat
		Completion Time:			0745	0715	0702	0812	0710

For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side)[UET]

(Page 2 of 4)

			Date:			5-1-19	5/2/19	5/3/19	5/4.19	5/5/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:			PT			BC	
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	South basement supply filter plenum (HVP-841) ΔP	[1]PDI-894-1	≤2.0 & > 0[1] in. wc			.04	.03	.03	.03	.03
		PDI-894-2	≤2.0 & > 0[1] in. wc			.43	.45	.45	.44	.45
4.1.3.4[2]	South Corridor supply (HVP-810) ΔP	[1]PDI-895-1	≤2.0 & > 0[1] in. wc			.05	.04	.04	.04	.04
		PDI-895-2	≤2.0 & > 0[1] in. wc			.73	.73	.73	.73	.73
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF854) ΔP	[1]PDI-817-1	≤2.0 & > 0[1] in. wc			STBY	STBY	STBY	STBY	STBY
		PDI-817-2	≤2.0 & > 0[1] in. wc			STBY	STBY	STBY	STBY	STBY
		PDI-817-4	≤2.0 & > 0[1] in. wc			STBY	STBY	STBY	STBY	STBY
		PDI-817-5	≤2.0 & > 0[1] in. wc			STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF858) ΔP	PDI-81 9-1	≤2.0 & > 0[1] in. wc			STBY	STBY	STBY	STBY	STBY
		PDI-81 9-3	≤2.0 & > 0[1] in. wc			STBY	STBY	STBY	STBY	STBY
		PDI-819-4	≤2.0 & > 0[1] in. wc			STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF855) ΔP	[1]PDI-818-1	≤2.0 & > 0[1] in. wc			.25	.25	.25	.25	.25
		PDI-818-2	≤2.0 & > 0[1] in. wc			.30	.30	.31	.31	.31
		PDI-818-4	≤2.0 & > 0[1] in. wc			.31	.31	.31	.31	.31
		PDI-818-5	≤2.0 & > 0[1] in. wc			.31	.30	.30	.30	.30
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF859) ΔP	PDI-821-1	≤2.0 & > 0[1] in. wc			.41	.42	.42	.41	.42
		PDI-821-3	≤2.0 & > 0[1] in. wc			.48	.46	.46	.46	.46
		PDI-821-4	≤2.0 & > 0[1] in. wc			.41	.41	.41	.41	.4

Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 3 of 4)

			Date:			5-1-19	5/2/19	5/3/19	05.04.19	5/5/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:			PT	[illegible]	[illegible]	BC	[illegible]
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF856) ΔP	[1]PDI-822-1	≤2.0 & > 0[1] in. wc			STBY	STBY	STBY	STBY	STBY
		PDI-822-2	≤2.0 & > 0[1] in. wc			STBY	STBY	STBY	STBY	STBY
		PDI-822-4	≤2.0 & > 0[1] in. wc			STBY	STBY	STBY	STBY	STBY
		PDI-822-5	≤2.0 & > 0[1] in. wc			STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF857) ΔP	[1]PDI-823-1	≤2.0 & > 0[1] in. wc			.06	.06	.06	.06	.06
		PDI-823-2	≤2.0 & > 0[1] in. wc			.59	.56	.56	.57	.57
		PDI-823-4	≤2.0 & > 0[1] in. wc			.49	.49	.49	.49	.49
		PDI-823—5	≤2.0 & > 0[1] in. wc			.61	.61	.61	.61	.61
4.1.3.4[2]	South Basement exhaust filter plenum (FF-829) ΔP	[1]PDI-830-1	≤2.0 & > 0[1] in. wc			.24	.28	.30	.29	.29
		PDI-830-2	≤2.0 & > 0[1] in. wc			.12	.13	.16	.16	.16
		PDI-830-3	≤2.0 & > 0[1] in. wc			.11	.12	.12	.11	.12
4.1.1.7[2]	300 area re-circulation filter plenum (HVP-805) ΔP	[1]PDI-836-1	≤2.0 & > 0[1] in. wc			.06	.06	.06	.06	.06
		PDI-836-2	≤2.0 & > 0[1] in. wc			.65	.66	.66	.65	.65
		PDI-836-3	≤2.0 & > 0[1] in. wc			.63	.64	.64	.64	.64
	300 area re-circulation filter plenum (HVP-806) ΔP	[1]PDI-837-1	≤2.0 & > 0[1] in. wc			.04	.04	.04	.04	.04
		PDI-837-2	≤2.0 & > 0[1] in. wc			.59	.49	.49	.49	.49
		PDI-837-3	≤2.0 & > 0[1] in. wc			.48	.48	.48	.48	.48

For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 4 of 4)

			Date:			5-1-19	5/2/19	5/3/19	04 05-03-19 BC	5/5/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:			PT	[illegible]	[illegible]	BC	[illegible]
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.1.7[2]	400 area re-circulation filter plenum (HVP-807) ΔP	[1]PDI-838-1	≤2.0 & > 0[1] in. wc			.58	.55	.55	.55	.55
		PDI-838-2	≤2.0 & > 0[1] in. wc			.59	.58	.58	.58	.58
		PDI-838-3	≤2.0 & > 0[1] in. wc			.59	.59	.59	.59	.59
	400 area re-circulation filter plenum (HVP-808) ΔP	[1]PDI-839-1	≤2.0 & > 0[1] in. wc			.40	.40	.40	.40	.40
		PDI-839-2	≤2.0 & > 0[1] in. wc			.52	.55	.55	.53	.54
		PDI-839-3	≤2.0 & > 0[1] in. wc			.53	.53	.53	.53	.53
4.1.3.4[2]	South Bleed off filter plenum (FF-822A) ΔP	[1]PDI-810-1	≤2.0 & > 0[1] in. wc			.17	.17	.17	.18	.17
		PDI-810-2	≤2.0 & > 0[1] in. wc			.59	.58	.58	.58	.58
		PDI-810-3	≤2.0 & > 0[1] in. wc			.55	.54	.54	.54	.54
4.1.3.4[2]	South Bleed off filter plenum (FF-822B) ΔP	[1]PDI -811 - 1	≤2.0 & > 0[1] in. wc			OFF	off	off	OFF	off
		PDI -811 -2	≤2.0 & > 0[1] in. wc			OFF	off	off	OFF	off
		PDI -811 -3	≤2.0 & > 0[1] in. wc			OFF	off	off	OFF	off
			Completion Time			0800	0745	0720	0827	0730
OC Operator Review and Page Count Complete (initials)						[illegible]	[illegible]	[illegible] JSC	JSC BC	BC JSC
OCS Daily Review Sign off (initials)						MJW	MJW	[illegible]	MJW	MJW

[1] Non TSR requirement
[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR 4.1.3.4 apply during both Mode 1 and Mode 2 as stated in LCO 3.1.3.

Completed by: [illegible] M. Date 5/5/19 Time 0730 Reviewed by: [signature] Date: 5/6/2019 Time: 0728
On-duty Supervisor

Comments Flammable gas channel OOS. awaiting Replacement

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 1 of 5)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

			Date:			5-1-19	5/2/19	5/3/19	5/4/19	5/5/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:			PT				
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.1.7[2]	Vault re-circulation filter plenum (HVP-811) ΔP	[1]PDI-840-1	≤2.0 & > 0[1] in. wc			.17	.17	.17	.17	.17
		PDI-840-2	≤2.0 & > 0[1] in. wc			.58	.58	.58	.58	.58
		PDI-840-3	≤2.0 & > 0[1] in. wc			.51	.51	.51	.51	.51
	Vault re-circulation filter plenum (HVP-812) ΔP	[1]PDI-841-1	≤2.0 & > 0[1] in. wc			STBY	STBY	STBY	STBY	STBY
		PDI-841-2	≤2.0 & > 0[1] in. wc			STBY	STBY	STBY	STBY	STBY
		PDI-841-3	≤2.0 & > 0[1] in. wc			STBY	STBY	STBY	STBY	STBY
	200 area re-circulation filter plenum (HVP-801) ΔP	[1]PDI-831-1	≤2.0 & > 0[1] in. wc			.34	.34	.33	.33	.33
		PDI-831-2	≤2.0 & > 0[1] in. wc			.41	.41	.41	.40	.40
		PDI-831-3	≤2.0 & > 0[1] in. wc			.39	.39	.39	.39	.39
	200 area re-circulation filter plenum (HVP-802) ΔP	[1]PDI-832-1	≤2.0 & > 0[1] in. wc			.47	.47	.47	.47	.47
		PDI-832-2	≤2.0 & > 0[1] in. wc			.69	.68	.68	.68	.68
		PDI-832-3	≤2.0 & > 0[1] in. wc			.61	.61	.61	.61	.61
4.1.3.4[2]	North Bleed off filter plenum (FF-820A) ΔP	[1]PDI-807-1	≤2.0 & > 0[1] in. wc			.12	.12	.12	.12	.12
		PDI-807-2	≤2.0 & > 0[1] in. wc			.52	.52	.52	.52	.52
		PDI-807-3	≤2.0 & > 0[1] in. wc			.51	.51	.51	.51	.51
4.1.3.4[2]	North Bleed off filter plenum (FF-820B) ΔP	[1]PDI-809-1	≤2.0 & > 0[1] in. wc			OFF	off	off	off	OFF
		PDI-809-2	≤2.0 & > 0[1] in. wc			OFF	off	off	off	off
		PDI-809-3	≤2.0 & > 0[1] in. wc			OFF	off	off	off	off

Non Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 2 of 5)

			Date:			5-1-19	5/2/19	5/3/19	5/4/19	5/5/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:			PT				
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.3.4[2]	North Basement exhaust filter plenum (FF-828) ΔP	[1]PDI-829-1	≤2.0 & > 0[1] in. wc			.37	.36	.36	.36	.36
		PDI-829-2	≤2.0 & > 0[1] in. wc			.55	.54	.52	.53	.53
		PDI-829-3	≤2.0 & > 0[1] in. wc			.44	.44	.43	.43	.43
4.1.1.7[2]	100 area re-circulation filter plenum (HVP-803) ΔP	[1]PDI-833-1	≤2.0 & > 0[1] in. wc			.08	.08	.08	.08	.08
		PDI-833-2	≤2.0 & > 0[1] in. wc			.52	.52	.52	.52	.52
		PDI-833-3	≤2.0 & > 0[1] in. wc			.53	.51	.51	.51	.51
	100 area re-circulation filter plenum (HVP-804) ΔP	[1]PDI-835-1	≤2.0 & > 0[1] in. wc			.05	.05	.05	.05	.05
		PDI-835-2	≤2.0 & > 0[1] in. wc			.50	.49	.49	.49	.49
		PDI-835-3	≤2.0 & > 0[1] in. wc			.50	.50	.50	.50	.50
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF852) ΔP	[1]PDI-815-1	≤2.0 & > 0[1] in. wc			.28	.24	.24	.24	.24
		PDI-815-2	≤2.0 & > 0[1] in. wc			.58	.58	.58	.58	.58
		PDI-815-4	≤2.0 & > 0[1] in. wc			.50	.50	.50	.50	.50
		PDI-815-5	≤2.0 & > 0[1] in. wc			.51	.51	.51	.51	.51
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF853) ΔP	[1]PDI-816-1	≤2.0 & > 0[1] in. wc			STBY	STBY	STBY	STBY	STBY
		PDI-816-2	≤2.0 & > 0[1] in. wc			STBY	STBY	STBY	STBY	STBY
		PDI-816-4	≤2.0 & > 0[1] in. wc			STBY	STBY	STBY	STBY	STBY
		PDI-816-5	≤2.0 & > 0[1] in. wc			STBY	STBY	STBY	STBY	STBY

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 3 of 5)

			Date:			5-1-19	5/2/19	5/3/19	5/4/19	5/5/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:			PT				
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF850) ΔP	[1]PDI-812-1	≤2.0 & > 0[1] in. wc			.12	.13	.13	.13	.13
		PDI-812-2	≤2.0 & > 0[1] in. wc			.29	.29	.29	.29	.29
		PDI-812-3	≤2.0 & > 0[1] in. wc			.29	.29	.29	.29	.29
		PDI-812-4	≤2.0 & > 0[1] in. wc			.29	.27	.27	.27	.27
		PDI-812-5	≤2.0 & > 0[1] in. wc			.31	.31	.31	.31	.31
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF851) ΔP	[1]PDI-813-1	≤2.0 & > 0[1] in. wc			STBY	STBY	STBY	STBY	STBY
		PDI-813-2	≤2.0 & > 0[1] in. wc			STBY	STBY	STBY	STBY	STBY
		PDI-813-3	≤2.0 & > 0[1] in. wc			STBY	STBY	STBY	STBY	STBY
		PDI-813-4	≤2.0 & > 0[1] in. wc			STBY	STBY	STBY	STBY	STBY
		PDI-813-5	≤2.0 & > 0[1] in. wc			STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	IFIT exhaust filter plenum (FF-865) ΔP	[1]PDI-865-1	≤2.0 & > 0[1] in. wc			.02	.02	.02	.02	.02
		PDI-865-2	≤2.0 & > 0[1] in. wc			.39	.39	.39	.38	.38
		PDI-865-3	≤2.0 & > 0[1] in. wc			.31	.31	.31	.31	.31
4.1.3.4[2]	IFIT supply filter plenum (HVP-863) ΔP	[1]PDI-863-1	≤2.0 & > 0[1] in. wc			.05	.05	.05	.05	.05
		PDI-863-2	≤2.0 & >0[1] in. wc			.31	.31	.31	.31	.31

For information only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 4 of 5)

			Date:			5-1-19	5/2/19	5/3/19	5/4/19	5/5/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:			PT				
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS						
4.1.3.4[2]	North Basement supply filter plenum (HVP-840) ΔP	[1]PDI-857-1	≤ 2.0 & > 0[1] in. wc			.10	.10	.10	.10	.10
		PDI-857-2	≤ 2.0 & > 0[1] in. wc			.46	.45	.45	.45	.45
4.1.3.4[2]	North corridor supply filter plenum (HVP-809) ΔP	[1]PDI-856-1	≤ 2.0 & > 0[1] in. wc			.05	.05	.04	.04	.04
		PDI-856-2	≤ 2.0 & > 0 in. wc			.59	.58	.58	.58	.58
[1]NA	Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C		0 lb/ft² combustibles in designated exclusion area (within 15 feet of fans)			SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 201		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less			SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 204		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less			SAT	SAT	SAT	SAT	SAT

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 5 of 5)

			Date:			5-1-19	5/2/19	5/3/19	5/4/19	5/5/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:			PT				
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS						
4.3.2.2[2]	Room 206		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less			SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 207		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less			SAT	SAT	SAT	SAT	SAT
			Completion time			0835	0810	0740	0745	0750
			OC Operator Review and Page Count Complete (initials)					JSL	JSL	JSL
			OCS Daily Review Sign off (initials)			MJW	MJW		MJW	MJW

[1] Non TSR requirement

[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR's 4.1.3.4 and 4.3.2.2 apply during both Mode 1 and Mode 2.

Note: Rooms 201, 206 & 207 **must be** entered for surveillance even if they are red lit, room 204 can be viewed through the window. Notify the Operations Center of any rooms that are unable to be entered for the performance of rounds, Operations Center will make a logbook entry recording the room(s) and reason(s) for non-entry. Document in the comments section any room(s) and reason(s) they were unable to be entered for rounds.

Completed by: Sarah M. Date 5/5/19 Time 0750 Reviewed by: _____ Date: 5/6/2019 Time: 0727

On-duty Supervisor

Comments: _____

For Information Only

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 1 of 3)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

Note: Gauge readings should be taken on rack #4 in the OC. whenever possible. Document if alternate PDIs are used.		Date:	5/6/19		5/7/19		5-8-19		05-09-19		5/10/19		5/11/19		5/12/19	
		Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
		Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
		Initials:	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SRs	**Description**	**Gauge Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**													
4.1.1.1 4.1.2.1[2]	200 area glovebox exhaust header ΔP	PDI-814-1 or PDI-814-2 ≤-1.0 in. wc[1]	-2.00	-2.00	-2.01	-1.99	-2.00	-1.93	-2.00	-2.01	-2.01	-2.01	-1.98	-2.02	-2.00	-2.02
	100 area glovebox exhaust header ΔP	PDI-820-1 or PDI-820-2 ≤-1.0 in. wc[1]	-1.94	-1.93	-1.94	-1.93	-1.93	-1.93	-1.93	-1.93	-1.93	-1.94	-1.93	-1.93	-1.93	-1.94
	300 area glovebox exhaust header ΔP	PDI-870-1 or PDI-870-2 ≤-1.0 in. wc[1]	-2.07	-2.07	-2.06	-2.07	-2.06	-2.07	-2.06	-2.06	-2.06	-2.07	-2.07	-2.04	-2.04	-2.04
	400 area glovebox exhaust header ΔP	PDI-864-1 or PDI-864-2 ≤-1.0 in. wc[1]	[illegible]	-2.03	-2.03	-2.02	-2.03	-2.03	-2.02	-2.03	-2.03	-2.03	-2.02	-2.02	-2.02	-2.02
4.1.1.2 4.1.1.5 4.1.2.2[2]	200 area laboratory header ΔP	PDI-803-1 or PDI-803-2 ≤-0.05 in. wc[1]	-.20	-.19	-.19	-.18	-0.19	-0.20	-.19	-.19	-.19	-.19	-.19	-.19	-.19	-.19
	100 area laboratory header ΔP	PDI-802-1 or PDI-802-2 ≤-0.05 in. wc[1]	-.24	-.24	-.24	-.23	-0.24	-0.25	-.24	-.24	-.24	-.24	-.24	-.24	-.24	-.24
	300 area laboratory header ΔP	PDI-853-1 or PDI-853-2 ≤-0.05 in. wc[1]	-.19	-.20	-.20	-.20	-0.20	-0.20	-.21	-.20	-.20	-.20	-.20	-.20	-.20	-.20
	400 area laboratory header ΔP	PDI-852-1 or PDI-852-2 ≤-0.05 in. wc[1]	-.14	-.19	-.19	-.19	[illegible]	-0.20	-.20	-.20	-.19	-.20	-.20	-.19	-.20	-.20
	IFIT Facility ΔP	PDI-865-4 or PDI-865-5 ≤-0.05 in. wc	[illegible] -.15	-.15	-.15	-.16	-0.15	-0.15	-.15	-.15	-.15	-.15 ~~-.09~~ [illegible]	[illegible] -.15	-.15	-.15	-.15
4.1.1.3 4.1.2.3[2]	North basement ΔP	PDI-804-1 or PDI-804-2 < 0.00 in. wc	-.09	-.09	-.09	-.09	-0.09	-0.10	-.09	-.09	-.08	-.08	-.09	-.09	-.09	-.09
	South basement ΔP	PDI-854-1 or PDI-854-2 < 0.00 in. wc	-.09	-.08	-.08	-.08	-0.08	-0.08	-.08	-.08	-.08	-.08	-.09	-.08	-.09	-.08
	IRT Tunnel ΔP	PDT-901 or PDI-901 < 0.00 in. wc	-.077	-.093	-.089	-.084	-0.092	-0.093	-.093	-.085	-.092	-.100	-.101	-.104	-.101	-.102

For Information Only

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 2 of 3)

Note: Readings should be taken using FCS screens FMT#151,152,201LD and 202LD. Field verification and local plenum PDI's may be used if FCS is unavailable.		Date:	5/6/19		5/7/19		5-8-19		05-09-19		5/10/19		5/11/19		5/12/19	
		Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
		Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
		Initials:	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SRs	**Description**	**Readings**	**Acceptance Criteria**	**SURVEILLANCE RESULTS Sat / Unsat (circle one)**												
4.1.1.6	**200 area re-circulation fan/ plenum**	FR-801 Icon red and PDT-831 ΔP >.050 or FR-802 Icon red and PDT-832 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	100 area re-circulation fan/ plenum	FR-803 Icon red and PDT-833 ΔP >.050 or FR-804 Icon red and PDT-835 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	300 area re-circulation fan/ plenum	FR-805 Icon red and PDT-836 ΔP >.050 or FR-806 Icon red and PDT-837 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	400 area re-circulation fan/ plenum	FR-807 Icon red and PDT-838 ΔP >.050 or FR-808 Icon red and PDT-839 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	Vault re-circulation fan/ plenum	FR-811 Icon red and PDT-840 ΔP >.050 or FR-812 Icon red and PDT-841 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat

Auto Generation For Information Only

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 3 of 3)

Note
Gauge readings should be taken on rack #4 in the OC when possible, local PDI equivalents may be used if necessary. Document any alternate PDIs used.

				Date:	5/6/19		5/7/19		5-8-19		05-09-19		5/10/19		5/11/19		5/12/19	
				Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
				Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
				Initials:	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SRs	Description	Area	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS Sat / Unsat (circle one)													
4.1.1.4	Glovebox exhaust header ΔPs < laboratory ΔPs < basement ΔPs for areas 100, 200, 300 and 400	200 Area	PDI-814-2 PDI-803-2 PDI-804-2	PDI-814-2 < PDI-803-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		100 Area	PDI-820-2 PDI-802-2 PDI-804-2	PDI-820-2 < PDI-802-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		300 Area	PDI-870-2 PDI-853-2 PDI-854-2	PDI-870-2 < PDI-853-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		400 Area	PDI-864-2 PDI-852-2 PDI-854-2	PDI-864-2 < PDI-852-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		Completion Time			0735	5/6/19 ~~0735~~ 1930	0720	1929	0721	1916	0710	1919	0729	1980	0727	1927	0727	1920
		OCS Daily Review Sign off (initials)			[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[1] Mode 2 acceptance criteria is < 0.00 in. wc.
[2] SRs 4.1.2.x only apply during Mode 2 in accordance with LCO 3.1.2

Completed by: [illegible] Date 5/12/19 Time 1920 Reviewed by: [illegible] On-duty Supervisor Date: 5/13/19 ~~5/13/18~~ Time: 1129

Comments: _____

For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

SR 4.4.1.1, The OPERABILITY acceptance criterion for this surveillance is:
The FLAMMABLE GAS detector in the FSTF FLAMMABLE GAS SOURCE storage cabinet is exposed to the ambient atmosphere in the storage cabinet. The gas concentration readout directly on the detector in the storage cabinet is compared with the gas concentration readout on the system control and alarm panel. The difference between the two readings is checked to VERIFY it is in the range of (≥-0.1; ≤0.1).

For Information Only

		Date:	5-6-19	5-7-19	5/8/19	5/9/19	5/10/19	5-11-19	5-12-19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	[illegible]	PT	[illegible]	[illegible]	[illegible]	PT	PT
	Description / Gauge	**Acceptance Criteria**	**SURVEILLANCE RESULTS (percentage)**						
SR 4.4.1.1	**Flammable Gas Channel Check DET-305-3 (LCD Reading)**	NA	005	005	005	005	005	005	005
★	**CP-305-H (LED Reading)**		005	005	005	005	005	005	005
	(DET-305-3) – (CP-305H) (LCD Reading) (LED Reading)	Record Calculated Value	005	005	005	005	005	005	005
		≥ -0.1; ≤+0.1	Sat / Unsat	Sat / Unsat	Sat / Unsat	Sat / Unsat	Sat / Unsat	Sat / Unsat	Sat / Unsat
			005	005	005	005	005	005	005
		Completion Time:	0703	0746	0712	0701	0830	0820	0730

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side)[UET]

(Page 2 of 4)

			Date:	5-6-19	5-7-19	5/8/19	5/9/19	5/10/19	5-11-19	5-12-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:		PT				PT	PT
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	South basement supply filter plenum (HVP-841) ΔP	[1]PDI-894-1	≤2.0 & > 0[1] in. wc	.04	.04	.04	.03	.03	.03	.03
		PDI-894-2	≤2.0 & > 0[1] in. wc	.46	.46	.46	.45	.45	.45	.44
4.1.3.4[2]	South Corridor supply (HVP-810) ΔP	[1]PDI-895-1	≤2.0 & > 0[1] in. wc	.05	.05	.05	.04	.04	.05	.05
		PDI-895-2	≤2.0 & > 0[1] in. wc	.75	.75	.75	.73	.73	.70	.70
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF854) ΔP	[1]PDI-817-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	.28	.28
		PDI-817-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	.30	.30
		PDI-817-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	.31	.31
		PDI-817-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	.30	.30
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF858) ΔP	PDI-81 9-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	.42	.44
		PDI-81 9-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	.44	.44
		PDI-819-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	.39	.39
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF855) ΔP	[1]PDI-818-1	≤2.0 & > 0[1] in. wc	.25	.25	.25	.25	.25	STBY	STBY
		PDI-818-2	≤2.0 & > 0[1] in. wc	.31	.31	.31	.31	.31	STBY	STBY
		PDI-818-4	≤2.0 & > 0[1] in. wc	.30	.30	.30	.30	.30	STBY	STBY
		PDI-818-5	≤2.0 & > 0[1] in. wc	.30	.30	.30	.30	.30	STBY	STBY
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF859) ΔP	PDI-821-1	≤2.0 & > 0[1] in. wc	.42	.42	.42	.42	.42	STBY	STBY
		PDI-821-3	≤2.0 & > 0[1] in. wc	.46	.48	.48	.46	.46	STBY	STBY
		PDI-821-4	≤2.0 & > 0[1] in. wc	.41	.41	.41	.41	.41	STBY	STBY

Non-Production Form

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 3 of 4)

			Date:	5-6-19	5-7-19	5/8/19	5/9/19	5/10/19	5-11-19	5-12-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	[illegible]	PT	[illegible]	[illegible]	[illegible]	PT	PT
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF856) ΔP	[1]PDI-822-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	.11	.11
		PDI-822-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	.58	.58
		PDI-822-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	.41	.41
		PDI-822-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	.56	.57
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF857) ΔP	[1]PDI-823-1	≤2.0 & > 0[1] in. wc	.06	.06	.07	.07	.07	STBY	STBY
		PDI-823-2	≤2.0 & > 0[1] in. wc	.58	.58	.59	.58	.56	STBY	STBY
		PDI-823-4	≤2.0 & > 0[1] in. wc	.48	.48	.49	.49	.49	STBY	STBY
		PDI-823—5	≤2.0 & > 0[1] in. wc	.61	.61	.62	.62	.62	STBY	STBY
4.1.3.4[2]	South Basement exhaust filter plenum (FF-829) ΔP	[1]PDI-830-1	≤2.0 & > 0[1] in. wc	.26	.25	.25	.24	.21	.21	.17
		PDI-830-2	≤2.0 & > 0[1] in. wc	.15	.13	.12	.12	.11	.11	.11
		PDI-830-3	≤2.0 & > 0[1] in. wc	.12	.12	.11	.10	.09	.10	.09
4.1.1.7[2]	300 area re-circulation filter plenum (HVP-805) ΔP	[1]PDI-836-1	≤2.0 & > 0[1] in. wc	.06	.06	.06	.06	.06	.06	.06
		PDI-836-2	≤2.0 & > 0[1] in. wc	.65	.65	.65	.65	.65	.65	.65
		PDI-836-3	≤2.0 & > 0[1] in. wc	.64	.63	.63	.63	.63	.66	.66
	300 area re-circulation filter plenum (HVP-806) ΔP	[1]PDI-837-1	≤2.0 & > 0[1] in. wc	.04	.04	.04	.04	.04	.04	.04
		PDI-837-2	≤2.0 & > 0[1] in. wc	.49	.49	.49	.49	.49	.49	.49
		PDI-837-3	≤2.0 & > 0[1] in. wc	.48	.48	.48	.48	.48	.48	.48

For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 4 of 4)

			Date:	5-6-19	5-7-19	5/8/19	5/9/19	5/10/19	5-11-19	5-12-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	[illegible]	PT	[illegible]	[illegible]	[illegible]	PT	PT
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.1.7[2]	400 area re-circulation filter plenum (HVP-807) ΔP	[1]PDI-838-1	≤2.0 & > 0[1] in. wc	.55	.55	.55	.55	.55	.56	.56
		PDI-838-2	≤2.0 & > 0[1] in. wc	.58	.58	.58	.58	.58	.60	.60
		PDI-838-3	≤2.0 & > 0[1] in. wc	.59	.59	.59	.59	.59	.60	.60
	400 area re-circulation filter plenum (HVP-808) ΔP	[1]PDI-839-1	≤2.0 & > 0[1] in. wc	.40	.40	.40	.40	.40	.40	.40
		PDI-839-2	≤2.0 & > 0[1] in. wc	.55	.53	.54	.55	.55	.52	.52
		PDI-839-3	≤2.0 & > 0[1] in. wc	.54	.54	.54	.54	.54	.52	.52
4.1.3.4[2]	South Bleed off filter plenum (FF-822A) ΔP	[1]PDI-810-1	≤2.0 & > 0[1] in. wc	.17	.17	.17	.17	.17	OFF	OFF
		PDI-810-2	≤2.0 & > 0[1] in. wc	.58	.58	.59	.58	.58	OFF	OFF
		PDI-810-3	≤2.0 & > 0[1] in. wc	.54	.52	.52	.54	.54	OFF	OFF
4.1.3.4[2]	South Bleed off filter plenum (FF-822B) ΔP	[1]PDI -811 - 1	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	.12	.13
		PDI -811 -2	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	.55	.55
		PDI -811 -3	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	.55	.55
			Completion Time	0810	0750	0835	0810	0840	0808	0731
OC Operator Review and Page Count Complete (initials)				[illegible]	[illegible]	[illegible] JSL	[illegible] JSL	[illegible] APB	APB [illegible]	APB [illegible]
OCS Daily Review Sign off (initials)				[illegible] MJW	APB MJW	MJW	MJW	[illegible]	[illegible]	MJW

[1] Non TSR requirement
[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR 4.1.3.4 apply during both Mode 1 and Mode 2 as stated in LCO 3.1.3.

Completed by: Paul Trujillo Date 5-12-19 Time 0731 Reviewed by: [signature] Date: 5/17/2019 Time: 1170
On-duty Supervisor

Comments 5-6-19 SR4.4.1.1 Out of Service; awaiting calibration

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 1 of 5)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

			Date:	5-6-19	5-7-19	5/8/19	5/9/19	5/10/19	5-11-19	5-12-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	[illegible]	PT	[illegible]	[illegible]	[illegible]	PT	PT
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.1.7[2]	Vault re-circulation filter plenum (HVP-811) ΔP Vault re-circulation filter plenum (HVP-812) ΔP	[1]PDI-840-1	≤2.0 & > 0[1] in. wc	.16	.17	.17	.17	.17	STBY	STBY
		PDI-840-2	≤2.0 & > 0 in[1]. wc	.55	.58	.58	.58	.58	STBY	STBY
		PDI-840-3	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51	.51	STBY	STBY
		[1]PDI-841-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	.46	.46
		PDI-841-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	.58	.58
		PDI-841-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	.51	.51
	200 area re-circulation filter plenum (HVP-801) ΔP	[1]PDI-831-1	≤2.0 & > 0[1] in. wc	[illegible]	.34	.34	.34	.34	.34	.34
		PDI-831-2	≤2.0 & > 0[1] in. wc	.41	[illegible]	.41	.41	.41	.41	.41
		PDI-831-3	≤2.0 & > 0[1] in. wc	.39	[illegible]	.39	.39	.39	.39	.39
	200 area re-circulation filter plenum (HVP-802) ΔP	[1]PDI-832-1	≤2.0 & > 0[1] in. wc	.44	.47	.47	.47	.47	.47	.47
		PDI-832-2	≤2.0 & > 0[1] in. wc	.66	.68	.68	.68	.68	.68	.68
		PDI-832-3	≤2.0 & > 0[1] in. wc	.61	.61	.61	.61	.61	.61	.61
4.1.3.4[2]	North Bleed off filter plenum (FF-820A) ΔP	[1]PDI-807-1	≤2.0 & > 0[1] in. wc	.12	.12	.12	.12	.12	OFF	OFF
		PDI-807-2	≤2.0 & > 0[1] in. wc	.54	.52	.53	.53	.53	OFF	OFF
		PDI-807-3	≤2.0 & > 0[1] in. wc	.50	.51	.51	.51	.51	OFF	OFF
4.1.3.4[2]	North Bleed off filter plenum (FF-820B) ΔP	[1]PDI-809-1	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	.07	.08
		PDI-809-2	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	.51	.51
		PDI-809-3	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	.50	.50

Non-controlled For Information

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 2 of 5)

			Date:	5-6-19	5-7-19	5/8/19	5/9/19	5/10/19	5-11-19	5-12-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	[illegible] 5/6/19	PT	[illegible]	[illegible]	[illegible]	PT	PT
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	North Basement exhaust filter plenum (FF-828) ΔP	[1]PDI-829-1	≤2.0 & > 0[1] in. wc	.36 [illegible]	.36	.36	.38	.41	.40	.43
		PDI-829-2	≤2.0 & > 0[1] in. wc	.52	.52	.53	.58	.60	.58	.60
		PDI-829-3	≤2.0 & > 0[1] in. wc	.44	.43	.45	.47	.49	.48	.50
4.1.1.7[2]	100 area re-circulation filter plenum (HVP-803) ΔP	[1]PDI-833-1	≤2.0 & > 0[1] in. wc	.07	.07	.08	.07	.07	.08	.08
		PDI-833-2	≤2.0 & > 0[1] in. wc	.52	.52	.52	.52	.54	.52	.52
		PDI-833-3	≤2.0 & > 0[1] in. wc	.50	.50	.50	.50	.51	.51	.51
	100 area re-circulation filter plenum (HVP-804) ΔP	[1]PDI-835-1	≤2.0 & > 0[1] in. wc	.05	.05	.05	.05	.05	.05	.05
		PDI-835-2	≤2.0 & > 0[1] in. wc	.50	.50	.50	.50	.50	.50	.50
		PDI-835-3	≤2.0 & > 0[1] in. wc	.50	.50	.50	.50	.50	.50	.50
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF852) ΔP	[1]PDI-815-1	≤2.0 & > 0[1] in. wc	.25	[illegible]	.27	.25	.25	STBY	STBY
		PDI-815-2	≤2.0 & > 0[1] in. wc	.60	.58	.57	.58	.58	STBY	STBY
		PDI-815-4	≤2.0 & > 0[1] in. wc	.50	.51	.50	.50	.50	STBY	STBY
		PDI-815-5	≤2.0 & > 0[1] in. wc	.51	.51	.50	.51	.51	STBY	STBY
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF853) ΔP	[1]PDI-816-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	.49	.49
		PDI-816-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	.60	.60
		PDI-816-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	.53	.53
		PDI-816-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	.58	.59

Auto Information For

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 3 of 5)

			Date:	5-6-19	5-7-19	5/8/19	5/9/19	5/10/19	5-11-19	5-12-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	[illegible]	PT	[illegible]	[illegible]	[illegible]	PT	PT
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF850) ΔP	[1]PDI-812-1	≤2.0 & > 0[1] in. wc	.12	.12	.12	.12	.12	STBY	STBY
		PDI-812-2	≤2.0 & > 0[1] in. wc	.28	.28	.29	.29	.29	STBY	STBY
		PDI-812-3	≤2.0 & > 0[1] in. wc	.28	.28	.29	.29	.29	STBY	STBY
		PDI-812-4	≤2.0 & > 0[1] in. wc	.26	.28	.27	.27	.27	STBY	STBY
		PDI-812-5	≤2.0 & > 0[1] in. wc	.32	.32	.32	.32	.32	STBY	STBY
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF851) ΔP	[1]PDI-813-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	.07	.07
		PDI-813-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	.24	.24
		PDI-813-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	.18	.18
		PDI-813-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	.29	.29
		PDI-813-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	.22	.32
4.1.3.4[2]	IFIT exhaust filter plenum (FF-865) ΔP	[1]PDI-865-1	≤2.0 & > 0[1] in. wc	.02	.02	.02	.02	.02	.02	.02
		PDI-865-2	≤2.0 & > 0[1] in. wc	.38	.38	.38	.38	.38	.38	.38
		PDI-865-3	≤2.0 & > 0[1] in. wc	.32	.31	.32	.31	.31	.31	.31
4.1.3.4[2]	IFIT supply filter plenum (HVP-863) ΔP	[1]PDI-863-1	≤2.0 & > 0[1] in. wc	.05	.05	.05	.05	.05	.05	.05
		PDI-863-2	≤2.0 & >0[1] in. wc	.32	.31	.32	.31	.31	.31	.31

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 4 of 5)

			Date:	5-6-19	5-7-19	5/8/19	5/9/19	5/10/19	5-11-19	5-12-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:		PT				PT	PT
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS						
4.1.3.4[2]	North Basement supply filter plenum (HVP-840) ΔP	[1]PDI-85[illegible]-1	≤ 2.0 & > 0[1] in. wc	.12	.11	.11	.11	.11	.11	.10
		PDI-85[illegible]-2	≤ 2.0 & > 0[1] in. wc	.45	.45	.46	.45	.45	.45	.45
4.1.3.4[2]	North corridor supply filter plenum (HVP-809) ΔP	[1]PDI-856-1	≤ 2.0 & > 0[1] in. wc	.05	.05	.05	.05	.05	.05	.05
		PDI-856-2	≤ 2.0 & > 0[1] in. wc	.59	.59	.59	.58	.58	.58	.58
[1]NA	Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C		0 lb/ft² combustibles in designated exclusion area (within 15 feet of fans)	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 201		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 204		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 5 of 5)

			Date:	5-6-19	5-7-19	5/8/19	5/9/19	5/10/19	5-11-19	5-12-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	MW	PT	MW	MW	MW	PT	PT
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS**						
4.3.2.2[2]	Room 206		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 207		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
			Completion time	0824	0810	0820	0735	0900	0818	0740
			OC Operator Review and Page Count Complete (initials)	MW BC	MW AM	MW BC JSC	BC JSC	MW AM	AM MW	AM MW
			OCS Daily Review Sign off (initials)	MJW	MJW	MJW	MJW	C	C	MJW

[1] Non TSR requirement

[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR's 4.1.3.4 and 4.3.2.2 apply during both Mode 1 and Mode 2.

Note: Rooms 201, 206 & 207 **must be** entered for surveillance even if they are red lit, room 204 can be viewed through the window. Notify the Operations Center of any rooms that are unable to be entered for the performance of rounds, Operations Center will make a logbook entry recording the room(s) and reason(s) for non-entry. Document in the comments section any room(s) and reason(s) they were unable to be entered for rounds.

Completed by: Paul Trujillo Date 5-12-19 Time 0740 Reviewed by: _____ Date: 5/13/2019 Time: 1131

On-duty Supervisor

Comments: _____

For Information Only

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 1 of 3)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

Note: Gauge readings should be taken on rack #4 in the OC. whenever possible. Document if alternate PDIs are used.		Date:	5/13/19		5/14/19		5/15/19		5/16/19		5/17/19		5/18/19		5/19/19	
		Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
		Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
		Initials:	[illegible]	JSL	[illegible]	JSL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	JSL	[illegible]	JSL	[illegible]	[illegible]
SRs	**Description**	**Gauge Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**													
4.1.1.1 4.1.2.1[2]	200 area glovebox exhaust header ΔP	PDI-814-1 or PDI-814-2	≤1.0 in. wc[1]													
	100 area glovebox exhaust header ΔP	PDI-820-1 or PDI-820-2	≤1.0 in. wc[1]													
	300 area glovebox exhaust header ΔP	PDI-870-1 or PDI-870-2	≤1.0 in. wc[1]													
	400 area glovebox exhaust header ΔP	PDI-864-1 or PDI-864-2	≤1.0 in. wc[1]													
4.1.1.2 4.1.1.5 4.1.2.2[2]	200 area laboratory header ΔP	PDI-803-1 or PDI-803-2	≤0.05 in. wc[1]													
	100 area laboratory header ΔP	PDI-802-1 or PDI-802-2	≤0.05 in. wc[1]													
	300 area laboratory header ΔP	PDI-853-1 or PDI-853-2	≤0.05 in. wc[1]													
	400 area laboratory header ΔP	PDI-852-1 or PDI-852-2	≤0.05 in. wc[1]													
	IFIT Facility ΔP	PDI-865-4 or PDI-865-5	≤0.05 in. wc													
4.1.1.3 4.1.2.3[2]	North basement ΔP	PDI-804-1 or PDI-804-2	< 0.00 in. wc													
	South basement ΔP	PDI-854-1 or PDI-854-2	< 0.00 in. wc													
	IRT Tunnel ΔP	PDT-901 or PDI-901	< 0.00 in. wc													

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ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 2 of 3)

Note Readings should be taken using FCS screens FMT#151,152,201LD and 202LD. Field verification and local plenum PDI's may be used if FCS is unavailable.			Date:	5/13/19		5/14/19		5/15/19		5/16/19		5/17/19		5/18/19		5/19/19	
			Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
			Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
			Initials:	[illegible]	JSL	[illegible]	JSL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	JSL	[illegible]	JSL	[illegible]	[illegible]
SRs	**Description**	**Readings**	**Acceptance Criteria**	**SURVEILLANCE RESULTS Sat / Unsat (circle one)**													
4.1.1.6	**200 area re-circulation fan/ plenum**	FR-801 Icon red and PDT-831 ΔP >.050 or FR-802 Icon red and PDT-832 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	100 area re-circulation fan/ plenum	FR-803 Icon red and PDT-833 ΔP >.050 or FR-804 Icon red and PDT-835 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	300 area re-circulation fan/ plenum	FR-805 Icon red and PDT-836 ΔP >.050 or FR-806 Icon red and PDT-837 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	400 area re-circulation fan/ plenum	FR-807 Icon red and PDT-838 ΔP >.050 or FR-808 Icon red and PDT-839 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	Vault re-circulation fan/ plenum	FR-811 Icon red and PDT-840 ΔP >.050 or FR-812 Icon red and PDT-841 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat

For Information Only

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 3 of 3)

Note
Gauge readings should be taken on rack #4 in the OC when possible, local PDI equivalents may be used if necessary. Document any alternate PDIs used.

				Date:	5/13/19		5/14/19		5/15/19		5/16/19		5/17/19		5/18/19		5/19/19	
				Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
				Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
				Initials:	[illegible]	JSL	[illegible]	JSL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	JSL	[illegible]	JSL	[illegible]	[illegible]
SRs	**Description**	**Area**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS** Sat / Unsat (circle one)													
4.1.1.4	Glovebox exhaust header ΔPs < laboratory ΔPs < basement ΔPs for areas 100, 200, 300 and 400	200 Area	PDI-814-2 PDI-803-2 PDI-804-2	PDI-814-2 < PDI-803-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		100 Area	PDI-820-2 PDI-802-2 PDI-804-2	PDI-820-2 < PDI-802-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		300 Area	PDI-870-2 PDI-853-2 PDI-854-2	PDI-870-2 < PDI-853-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		400 Area	PDI-864-2 PDI-852-2 PDI-854-2	PDI-864-2 < PDI-852-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		Completion Time			0716	1925	0714	1922	0730	1931	0729	1932	0714	1927	0724	1927	0714	1915
		OCS Daily Review Sign off (initials)			MJW	[illegible]	MJW	[illegible]	[illegible] MJW	[illegible]	MJW	[illegible]	[illegible]	[illegible]	[illegible]	MJW	MJW	MJW

[1] Mode 2 acceptance criteria is < 0.00 in. wc.
[2] SRs 4.1.2.x only apply during Mode 2 in accordance with LCO 3.1.2.

Completed by: [illegible] Date 5/19/19 Time 1915 Reviewed by: [illegible] On-duty Supervisor Date: 5/20/2019 Time: 0646

Comments: 300, 400 AREA REGIONS OFF FOR MAINTENANCE 4-13-19

For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

SR 4.4.1.1, The OPERABILITY acceptance criterion for this surveillance is:
The FLAMMABLE GAS detector in the FSTF FLAMMABLE GAS SOURCE storage cabinet is exposed to the ambient atmosphere in the storage cabinet. The gas concentration readout directly on the detector in the storage cabinet is compared with the gas concentration readout on the system control and alarm panel. The difference between the two readings is checked to VERIFY it is in the range of (≥-0.1; ≤0.1).

		Date:	5/13/19	5/14/19	5/15/19	5/16/19	5/17/19	5/18/19	5/19/19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	[illegible]	[illegible]	[illegible]	SF	AMS	DH	DH
	Description / Gauge	**Acceptance Criteria**	**SURVEILLANCE RESULTS (percentage)**						
SR 4.4.1.1	**Flammable Gas Channel Check DET-305-3 (LCD Reading)**	NA	005	[illegible]	005	005	005	005	005
	CP-305-H (LED Reading)		005	005	005	005	005	005	005
	(DET-305-3) – (CP-305H) (LCD Reading) (LED Reading)	Record Calculated Value	005	005	005	005	005	005	005
		≥ -0.1; ≤+0.1	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005
		Completion Time:	0711	0720	0715	0712	0844	0712	0715

For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side)[UET]

(Page 2 of 4)

			Date:	5/13/19	5/14/19	5/15/19	5/16/19	5/17/19	5/18/19	5/19/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	[illegible]	[illegible]	[illegible]	BF	AMS	DH	DH
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	South basement supply filter plenum (HVP-841) ΔP	[1]PDI-894-1	≤2.0 & > 0[1] in. wc	.03	.03	.03	.03	.04	.03	.03
		PDI-894-2	≤2.0 & > 0[1] in. wc	.46	.46	.45	.47	.48	.46	.46
4.1.3.4[2]	South Corridor supply (HVP-810) ΔP	[1]PDI-895-1	≤2.0 & > 0[1] in. wc	.05	.05	.04	.04	.06	.05	.04
		PDI-895-2	≤2.0 & > 0[1] in. wc	.71	.69	.70	.70	.70	.70	.70
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF854) ΔP	[1]PDI-817-1	≤2.0 & > 0[1] in. wc	.29	.29	.28	.28	.28	.28	.28
		PDI-817-2	≤2.0 & > 0[1] in. wc	.30	.30	.30	.30	.31	.30	.30
		PDI-817-4	≤2.0 & > 0[1] in. wc	.32	.32	.32	.32	.32	.32	.32
		PDI-817-5	≤2.0 & > 0[1] in. wc	.30	.30	.30	.31	.31	.31	.30
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF858) ΔP	PDI-81 9-1	≤2.0 & > 0[1] in. wc	.44	.44	.44	.43	.46	.45	.45
		PDI-81 9-3	≤2.0 & > 0[1] in. wc	.44	.43	.45	.43	.45	.44	.44
		PDI-819-4	≤2.0 & > 0[1] in. wc	.40	.40	.40	.40	.39	.39	.39
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF855) ΔP	[1]PDI-818-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-818-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-818-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-818-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF859) ΔP	PDI-821-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-821-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-821-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY

Not to be used for UET

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 3 of 4)

			Date:	5/13/19	5/14/19	5/15/19	5/16/19	5/17/19	5/18/19	5/19/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	YL	[illegible]	[illegible]	BR	AMS	DH	DH
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF856) ΔP	[1]PDI-822-1	≤2.0 & > 0[1] in. wc	.12	.12	.12	.11	.12	.12	.11
		PDI-822-2	≤2.0 & > 0[1] in. wc	.58	.58	.58	.57	.58	.58	.59
		PDI-822-4	≤2.0 & > 0[1] in. wc	.42	.42	.42	.42	.42	.42	.42
		PDI-822-5	≤2.0 & > 0[1] in. wc	.56	.56	.56	.56	.58	.58	.58
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF857) ΔP	[1]PDI-823-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-823-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-823-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-823—5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	South Basement exhaust filter plenum (FF-829) ΔP	[1]PDI-830-1	≤2.0 & > 0[1] in. wc	.17	.26	.26	.26	.25	.28	.26
		PDI-830-2	≤2.0 & > 0[1] in. wc	.10	.19	.15	.12	.12	.12	.12
		PDI-830-3	≤2.0 & > 0[1] in. wc	.09	.15	.12	.11	.10	.11	.11
4.1.1.7[2]	300 area re-circulation filter plenum (HVP-805) ΔP	[1]PDI-836-1	≤2.0 & > 0[1] in. wc	.06	.07	.07	.07	.07	.07	.07
		PDI-836-2	≤2.0 & > 0[1] in. wc	.55	.64	.65	.65	.65	.65	.65
		PDI-836-3	≤2.0 & > 0[1] in. wc	.56	.63	.63	.63	.64	.64	.64
	300 area re-circulation filter plenum (HVP-806) ΔP	[1]PDI-837-1	≤2.0 & > 0[1] in. wc	.04	.04	.04	.04	.04	.04	.04
		PDI-837-2	≤2.0 & > 0[1] in. wc	.48	.49	.49	.49	.49	.49	.49
		PDI-837-3	≤2.0 & > 0[1] in. wc	.45	.47	.47	.47	.45	.45	.45

Not controlled for

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 4 of 4)

			Date:	5/13/19	5/14/19	5/15/19	5/16/19	5/17/19	5/18/19	5/19/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:				BF		DH	DH
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.1.7[2]	400 area re-circulation filter plenum (HVP-807) ΔP	[1]PDI-838-1	≤2.0 & > 0[1] in. wc	.56	.56	.56	.56	.56	.55	.55
		PDI-838-2	≤2.0 & > 0[1] in. wc	.60	.58	.58	.58	.58	.58	.58
		PDI-838-3	≤2.0 & > 0[1] in. wc	.59	.59	.59	.59	.59	.59	.59
	400 area re-circulation filter plenum (HVP-808) ΔP	[1]PDI-839-1	≤2.0 & > 0[1] in. wc	.40	.40	.40	.40	.39	.39	.40
		PDI-839-2	≤2.0 & > 0[1] in. wc	.53	.55	.55	.52	.51	.52	.52
		PDI-839-3	≤2.0 & > 0[1] in. wc	.5[illegible]	.52	.52	.53	.52	.52	.52
4.1.3.4[2]	South Bleed off filter plenum (FF-822A) ΔP	[1]PDI-810-1	≤2.0 & > 0[1] in. wc	OFF	.16	.17	.16	.16	.16	.16
		PDI-810-2	≤2.0 & > 0[1] in. wc	OFF	.53	.55	.55	.55	.55	.55
		PDI-810-3	≤2.0 & > 0[1] in. wc	OFF	.5[illegible]	.51	.51	.51	.51	.51
4.1.3.4[2]	South Bleed off filter plenum (FF-822B) ΔP	[1]PDI -811 - 1	≤2.0 & > 0[1] in. wc	.13	off	off	OFF	OFF	OFF	OFF
		PDI -811 -2	≤2.0 & > 0[1] in. wc	.55	off	off	OFF	OFF	OFF	OFF
		PDI -811 -3	≤2.0 & > 0[1] in. wc	.55	off	off	OFF	OFF	OFF	OFF
			Completion Time	0800	0805	0750	0758	0923	0811	0815
OC Operator Review and Page Count Complete (initials)										
OCS Daily Review Sign off (initials)				MJW	MJW	MJW	MJW			MJW

Non uoneuuonuuoo

[1] Non TSR requirement
[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR 4.1.3.4 apply during both Mode 1 and Mode 2 as stated in LCO 3.1.3.

Completed by: [signature] Date 5/19/19 Time 0815 Reviewed by: [signature] Date: 5/20/2019 Time: 0647
On-duty Supervisor

Comments 4.4.1.1 Flammable Gas Detector is OOS.

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 1 of 5)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

			Date:	5/13/19	5/14/19	5/15/19	5/16/19	5/17/19	5/18/19	5/19/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	[illegible]	[illegible]	[illegible]	BF	[illegible]	DH	DH
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.1.7[2]	Vault re-circulation filter plenum (HVP-811) ΔP Vault re-circulation filter plenum (HVP-812) ΔP	[1]PDI-840-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-840-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-840-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		[1]PDI-841-1	≤2.0 & > 0[1] in. wc	.46	.46	.47	.47	.47	.47	.46
		PDI-841-2	≤2.0 & > 0[1] in. wc	.57	.57	.57	.57	.58	.58	.58
		PDI-841-3	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51	.51	.51	.51
	200 area re-circulation filter plenum (HVP-801) ΔP	[1]PDI-831-1	≤2.0 & > 0[1] in. wc	.34	.34	.34	.34	.34	.34	.34
		PDI-831-2	≤2.0 & > 0[1] in. wc	.42	.42	.42	.42	.42	.42	.42
		PDI-831-3	≤2.0 & > 0[1] in. wc	.39	.39	.39	.39	.40	.39	.39
	200 area re-circulation filter plenum (HVP-802) ΔP	[1]PDI-832-1	≤2.0 & > 0[1] in. wc	.47	.47	.47	.47	.47	.47	.47
		PDI-832-2	≤2.0 & > 0[1] in. wc	.68	.68	.68	.68	.68	.68	.68
		PDI-832-3	≤2.0 & > 0[1] in. wc	.61	.61	.61	.62	.62	.61	.61
4.1.3.4[2]	North Bleed off filter plenum (FF-820A) ΔP	[1]PDI-807-1	≤2.0 & > 0[1] in. wc	OFF	.13	.13	.13	.14	OFF	OFF
		PDI-807-2	≤2.0 & > 0[1] in. wc	OFF	.59	.58	.58	.60	OFF	OFF
		PDI-807-3	≤2.0 & > 0[1] in. wc	OFF	.55	.52	.52	.56	OFF	OFF
4.1.3.4[2]	North Bleed off filter plenum (FF-820B) ΔP	[1]PDI-809-1	≤2.0 & > 0[1] in. wc	.07	OFF ~~STBY~~ [illegible] 5/14/19	OFF	OFF	OFF	.10	.14
		PDI-809-2	≤2.0 & > 0[1] in. wc	.50	OFF ~~STBY~~ [illegible] 5/14/19	OFF	OFF	OFF	.56	.58
		PDI-809-3	≤2.0 & > 0[1] in. wc	.50	OFF ~~STB~~ [illegible] 5/14/19	OFF	OFF	OFF	.52	.52

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 2 of 5)

			Date:	5/13/19	5/14/19	5/15/19	5/16/19	5/17/19	5/18/19	5/19/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	[illegible]	[illegible]	[illegible]	BF	AKS	DH	DH
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	North Basement exhaust filter plenum (FF-828) ΔP	[1]PDI-829-1	≤2.0 & > 0[1] in. wc	.43	.28	.31	.32	.34	.34	.35
		PDI-829-2	≤2.0 & > 0[1] in. wc	.60	.41	.49	.49	.50	.50	.51
		PDI-829-3	≤2.0 & > 0[1] in. wc	.50	.33	.39	.39	.40	.40	.41
4.1.1.7[2]	100 area re-circulation filter plenum (HVP-803) ΔP	[1]PDI-833-1	≤2.0 & > 0[1] in. wc	.08	.07	.07	.07	.08	.07	.08
		PDI-833-2	≤2.0 & > 0[1] in. wc	.52	.52	.52	.52	.52	.52	.52
		PDI-833-3	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51	.51	.51	.51
	100 area re-circulation filter plenum (HVP-804) ΔP	[1]PDI-835-1	≤2.0 & > 0[1] in. wc	.06	.05	.05	.05	.05	.05	.05
		PDI-835-2	≤2.0 & > 0[1] in. wc	.50	.50	.50	.50	.50	.50	.50
		PDI-835-3	≤2.0 & > 0[1] in. wc	.50	.50	.50	.50	.50	.50	.50
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF852) ΔP	[1]PDI-815-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-815-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-815-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-815-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF853) ΔP	[1]PDI-816-1	≤2.0 & > 0[1] in. wc	.50	.50	.50	.50	.50	.50	.50
		PDI-816-2	≤2.0 & > 0[1] in. wc	.60	.59	.59	.59	.60	.60	.60
		PDI-816-4	≤2.0 & > 0[1] in. wc	.54	.54	.54	.55	.55	.56	.56
		PDI-816-5	≤2.0 & > 0[1] in. wc	.58	.58	.58	.58	.58	.58	.58

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 3 of 5)

			Date:	5/13/19	5/14/19	5/15/19	5/16/19	5/17/19	5/18/19	5/19/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:							
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF850) ΔP	[1]PDI-812-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-812-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-812-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-812-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-812-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF851) ΔP	[1]PDI-813-1	≤2.0 & > 0[1] in. wc	.26	.08	.08	.08	.08	.08	.08
		PDI-813-2	≤2.0 & > 0[1] in. wc	.24	.23	.23	.25	.25	.24	.24
		PDI-813-3	≤2.0 & > 0[1] in. wc	.26	.19	.19	.20	.20	.19	.19
		PDI-813-4	≤2.0 & > 0[1] in. wc	.29	.29	.29	.30	.29	.29	.29
		PDI-813-5	≤2.0 & > 0[1] in. wc	.34	.35	.35	.35	.32	.32	.32
4.1.3.4[2]	IFIT exhaust filter plenum (FF-865) ΔP	[1]PDI-865-1	≤2.0 & > 0[1] in. wc	.02	.02	.02	.02	.02	.02	.02
		PDI-865-2	≤2.0 & > 0[1] in. wc	.39	.38	.38	.38	.36	.36	.35
		PDI-865-3	≤2.0 & > 0[1] in. wc	.32	.31	.31	.31	.31	.31	.31
4.1.3.4[2]	IFIT supply filter plenum (HVP-863) ΔP	[1]PDI-863-1	≤2.0 & > 0[1] in. wc	.05	.06	.06	.06	.06	.06	.06
		PDI-863-2	≤2.0 & >0[1] in. wc	.31	.31	.31	.31	.32	.31	.31

Not controlled for use

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 4 of 5)

			Date:	5/13/19	5/14/19	5/15/19	5/16/19	5/17/19	5/18/19	5/19/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	[illegible]	[illegible]	[illegible]	BF	AMS	DH	DH
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS**						
4.1.3.4[2]	North Basement supply filter plenum (HVP-840) ΔP	[1]PDI-857-1	≤ 2.0 & > 0[1] in. wc	.10	.12	.12	.11	.11	.11	.11
		PDI-857-2	≤ 2.0 & > 0[1] in. wc	.45	.44	.44	.44	.46	.44	.43
4.1.3.4[2]	North corridor supply filter plenum (HVP-809) ΔP	[1]PDI-856-1	≤ 2.0 & > 0[1] in. wc	.05	.05	.05	.05	.06	.06	.06
		PDI-856-2	≤2.0 & > 0[1] in. wc	.59	.62	.62	.62	.64	.61	.61
[1]NA	**Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C**		**0 lb/ft² combustibles in designated exclusion area (within 15 feet of fans)**	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[3]	Room 201		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[3]	Room 204		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 5 of 5)

			Date:	5/13/19	5/14/19	5/15/19	5/16/19	5/17/19	5/18/19	5/19/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	[illegible]	[illegible]	[illegible]	BF	AMJ	AH	AH
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS						
4.3.2.2[2]	Room 206		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 207		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
			Completion time	0742	0730	0725	0735	0952	0743	0745
			OC Operator Review and Page Count Complete (initials)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
			OCS Daily Review Sign off (initials)	MJW	MJW	MJW	MJW	[illegible]	[illegible]	MJW

[1] Non TSR requirement

[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR's 4.1.3.4 and 4.3.2.2 apply during both Mode 1 and Mode 2.

Note: Rooms 201, 206 & 207 **must be** entered for surveillance even if they are red lit, room 204 can be viewed through the window. Notify the Operations Center of any rooms that are unable to be entered for the performance of rounds, Operations Center will make a logbook entry recording the room(s) and reason(s) for non-entry. Document in the comments section any room(s) and reason(s) they were unable to be entered for rounds.

Completed by: [signature] Date 5/19/19 Time 0745 Reviewed by: [signature] Date: 5/20/2019 Time: 0649

On-duty Supervisor

Comments: _____

FOR INFORMATION ONLY

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 1 of 3)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

Note: Gauge readings should be taken on rack #4 in the OC. whenever possible. Document if alternate PDIs are used.																
		Date:	5/20/19		5/21/19		5/22/19		5/23/19		5/24/19		5/25/19		5/26/19	
		Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
		Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
		Initials:	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SRs	**Description**	**Gauge Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**													
4.1.1.1 4.1.2.1[2]	200 area glovebox exhaust header ΔP	PDI-814-1 or PDI-814-2 ≤-1.0 in. wc[1]	-2.01	-2.00	-1.99	-1.97	-2.02	-2.00	-1.99	-2.00	-2.00	-2.01	-2.00	-2.02	-2.01	-2.01
	100 area glovebox exhaust header ΔP	PDI-820-1 or PDI-820-2 ≤-1.0 in. wc[1]	-1.93	-1.93	-1.94	-1.92	-1.93	-1.94	-1.93	-1.93	-1.93	-1.93	-1.93	-1.93	-1.93	-1.93
	300 area glovebox exhaust header ΔP	PDI-870-1 or PDI-870-2 ≤-1.0 in. wc[1]	-2.05	-2.06	-2.06	-2.05	-2.07	-2.06	-2.06	-2.07	-2.07	-2.09	-2.10	-2.11	-2.11	-2.11
	400 area glovebox exhaust header ΔP	PDI-864-1 or PDI-864-2 ≤-1.0 in. wc[1]	-2.02	-2.02	-2.02	-2.04	-2.02	-2.03	-2.03	-2.02	-2.02	-2.03	-2.03	-2.03	-2.03	-2.03
4.1.1.2 4.1.1.5 4.1.2.2[2]	200 area laboratory header ΔP	PDI-803-1 or PDI-803-2 ≤-0.05 in. wc[1]	-.18	-.18	-.19	-.19	-.18	-0.18	-.18	-.19	-.19	-.18	-.18	-.18	-.18	-.18
	100 area laboratory header ΔP	PDI-802-1 or PDI-802-2 ≤-0.05 in. wc[1]	-.24	-.23	-.20	-.25	-.24	-0.24	-.23	-.25	-.24	-.23	-.24	-.24	-.24	-.24
	300 area laboratory header ΔP	PDI-853-1 or PDI-853-2 ≤-0.05 in. wc[1]	-.20	-.20	-.20	-.21	-.20	-0.20	-.20	-.21	-.20	-.20	-.20	-.20	-.20	-.20
	400 area laboratory header ΔP	PDI-852-1 or PDI-852-2 ≤-0.05 in. wc[1]	-.20	-.19	-.19	-.20	[illegible]	[illegible]	-.20	-.19	-.19	-.19	-.20	-.20	-.20	-.20
	IFIT Facility ΔP	PDI-865-4 or PDI-865-5 ≤-0.05 in. wc	-.15	-.15	-.15	-.15	-.15	-.15	-.15	-.15	-.15	-.15	-.15	-.15	-.15	-.15
4.1.1.3 4.1.2.3[2]	North basement ΔP	PDI-804-1 or PDI-804-2 < 0.00 in. wc	-.09	-.09	-.09	-.09	-.09	-0.09	-.09	-.09	-.09	-.09	-.09	-.09	-.10	-.09
	South basement ΔP	PDI-854-1 or PDI-854-2 < 0.00 in. wc	-.09	-.08	-.08	-.08	-.08	-0.08	-.08	-.08	-.09	-.08	-.08	-.08	-.10	-.08
	IRT Tunnel ΔP	PDT-901 or PDI-901 < 0.00 in. wc	-.099	-.098	-.086	-.101	-.104	-0.106	-.094	-.083	-.089	-.088	-.100	-.100	-.086	-.101

For Information Only

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 2 of 3)

Note: Readings should be taken using FCS screens FMT#151,152,201LD and 202LD. Field verification and local plenum PDI's may be used if FCS is unavailable.		Date:	5/20/19		5/21/19		5/22/19		5/23/19		5/24/19		5/25/19		5/26/19	
		Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
		Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
		Initials:	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SRs	**Description**	**Readings**	**Acceptance Criteria**	**SURVEILLANCE RESULTS Sat / Unsat (circle one)**												
4.1.1.6	**200 area re-circulation fan/ plenum**	FR-801 Icon red and PDT-831 ΔP >.050 or FR-802 Icon red and PDT-832 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	100 area re-circulation fan/ plenum	FR-803 Icon red and PDT-833 ΔP >.050 or FR-804 Icon red and PDT-835 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	300 area re-circulation fan/ plenum	FR-805 Icon red and PDT-836 ΔP >.050 or FR-806 Icon red and PDT-837 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	400 area re-circulation fan/ plenum	FR-807 Icon red and PDT-838 ΔP >.050 or FR-808 Icon red and PDT-839 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	Vault re-circulation fan/ plenum	FR-811 Icon red and PDT-840 ΔP >.050 or FR-812 Icon red and PDT-841 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat

Not Controlled For Information

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 3 of 3)

Note
Gauge readings should be taken on rack #4 in the OC when possible, local PDI equivalents may be used if necessary. Document any alternate PDIs used.

				Date:	5/20/19		5/21/19		5/22/19		5/23/19		5/24/19		5/25/19		5/26/19	
				Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
				Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
				Initials:	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	JSL	[illegible]	[illegible]	[illegible]	[illegible]	ARJ	[illegible]	[illegible]	[illegible]
SRs	**Description**	**Area**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS Sat / Unsat (circle one)**													
4.1.1.4	Glovebox exhaust header ΔPs < laboratory ΔPs < basement ΔPs for areas 100, 200, 300 and 400	200 Area	PDI-814-2 PDI-803-2 PDI-804-2	PDI-814-2 < PDI-803-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		100 Area	PDI-820-2 PDI-802-2 PDI-804-2	PDI-820-2 < PDI-802-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		300 Area	PDI-870-2 PDI-853-2 PDI-854-2	PDI-870-2 < PDI-853-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		400 Area	PDI-864-2 PDI-852-2 PDI-854-2	PDI-864-2 < PDI-852-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		Completion Time			0732	1928	0728	1931	0717	1916	0716	1930	0713	1925	0728	1922	0728	1922
		OCS Daily Review Sign off (initials)			MJW	[illegible]	MJW	MJW	MJW	[illegible]	MJW	[illegible]	[illegible]	[illegible]	[illegible]	MJW	MJW	MJW

[1] Mode 2 acceptance criteria is < 0.00 in. wc.
[2] SRs 4.1.2.x only apply during Mode 2 in accordance with LCO 3.1.2

Completed by: [signature] 955126 Date 5/26/19 Time 1922 Reviewed by: [signature] On-duty Supervisor Date: 5/28/2019 Time: 1234

Comments: _____

For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

SR 4.4.1.1, The OPERABILITY acceptance criterion for this surveillance is:
The FLAMMABLE GAS detector in the FSTF FLAMMABLE GAS SOURCE storage cabinet is exposed to the ambient atmosphere in the storage cabinet. The gas concentration readout directly on the detector in the storage cabinet is compared with the gas concentration readout on the system control and alarm panel. The difference between the two readings is checked to VERIFY it is in the range of (≥-0.1; ≤0.1).

For Information Only

		Date:	5-20-19	5/21/19	5/22/19	5/23/19	5/24/19	5/25/19	5/26/19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initial:	PT						
SR 4.4.1.1	Description / Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (percentage)						
	Flammable Gas Channel Check DET-305-3 (LCD Reading)	NA	005	005	005	007	005	005	005
	CP-305-H (LED Reading)		005	005	005	008	005	005	005
	(DET-305-3) – (CP-305H)	Record Calculated Value	005	005	002	003	005	003	003
	(LCD Reading) (LED Reading)	≥ -0.1; ≤+0.1	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 003	Sat / Unsat 005
		Completion Time:	0738	0720	0720	0705	0702	0708	0710

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side)[UET]

(Page 2 of 4)

			Date:	5-20-19	5/21/19	5/22/19	5/23/19	5/24/19	5/25/19	5/26/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	South basement supply filter plenum (HVP-841) ΔP	[1]PDI-894-1	≤2.0 & > 0[1] in. wc	.04	.04	.04	.04	.04	.03	.03
		PDI-894-2	≤2.0 & > 0[1] in. wc	.46	.45	.45	.46	.46	.46	.46
4.1.3.4[2]	South Corridor supply (HVP-810) ΔP	[1]PDI-895-1	≤2.0 & > 0[1] in. wc	.05	.04	.04	.04	.04	.04	.04
		PDI-895-2	≤2.0 & > 0[1] in. wc	.70	.69	.69	.70	.70	.70	.70
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF854) ΔP	[1]PDI-817-1	≤2.0 & > 0[1] in. wc	.38	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-817-2	≤2.0 & > 0[1] in. wc	.30	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-817-4	≤2.0 & > 0[1] in. wc	.31	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-817-5	≤2.0 & > 0[1] in. wc	.30	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF858) ΔP	PDI-819-1	≤2.0 & > 0[1] in. wc	.48	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-819-3	≤2.0 & > 0[1] in. wc	.45	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-819-4	≤2.0 & > 0[1] in. wc	.39	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF855) ΔP	[1]PDI-818-1	≤2.0 & > 0[1] in. wc	STBY	.25	.25	.25	.25	.25	.25
		PDI-818-2	≤2.0 & > 0[1] in. wc	STBY	.31	.31	.31	.31	.31	.31
		PDI-818-4	≤2.0 & > 0[1] in. wc	STBY	.30	.30	.30	.30	.30	.30
		PDI-818-5	≤2.0 & > 0[1] in. wc	STBY	.31	.30	.31	.31	.30	.30
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF859) ΔP	PDI-821-1	≤2.0 & > 0[1] in. wc	STBY	.45	.43	.43	.43	.43	.43
		PDI-821-3	≤2.0 & > 0[1] in. wc	STBY	.47	.47	.46	.46	.47	.47
		PDI-821-4	≤2.0 & > 0[1] in. wc	STBY	.41	.41	.41	.41	.41	.41

For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 3 of 4)

			Date:	5-20-19	5/21/19	5/22/19	5/23/19	5/24/19	5/25/19	5/26/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF856) ΔP	[1]PDI-822-1	≤2.0 & > 0[1] in. wc	.12	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-822-2	≤2.0 & > 0[1] in. wc	.59	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-822-4	≤2.0 & > 0[1] in. wc	.41	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-822-5	≤2.0 & > 0[1] in. wc	.58	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF857) ΔP	[1]PDI-823-1	≤2.0 & > 0[1] in. wc	STBY	.07	.07	.07	.07	.07	.07
		PDI-823-2	≤2.0 & > 0[1] in. wc	STBY	.56	.58	.58	.58	.58	.58
		PDI-823-4	≤2.0 & > 0[1] in. wc	STBY	.49	.49	.49	.49	.49	.49
		PDI-823—5	≤2.0 & > 0[1] in. wc	STBY	[illegible]	.62	.62	.62	.62	.62
4.1.3.4[2]	South Basement exhaust filter plenum (FF-829) ΔP	[1]PDI-830-1	≤2.0 & > 0[1] in. wc	.26	.21	.29	.23	.26	.26	.26
		PDI-830-2	≤2.0 & > 0[1] in. wc	.12	.12	.15	.13	.15	.15	.15
		PDI-830-3	≤2.0 & > 0[1] in. wc	.11	.11	.12	.12	.12	.12	.12
4.1.1.7[2]	300 area re-circulation filter plenum (HVP-805) ΔP	[1]PDI-836-1	≤2.0 & > 0[1] in. wc	.06	.06	.07	.07	.07	.07	.07
		PDI-836-2	≤2.0 & > 0[1] in. wc	.65	.65	.65	.65	.65	.65	.65
		PDI-836-3	≤2.0 & > 0[1] in. wc	.62	.63	.63	.63	.63	.63	.63
	300 area re-circulation filter plenum (HVP-806) ΔP	[1]PDI-837-1	≤2.0 & > 0[1] in. wc	.04	.04	.04	.04	.04	.04	.04
		PDI-837-2	≤2.0 & > 0[1] in. wc	.49	.49	.48	.49	.49	.49	.49
		PDI-837-3	≤2.0 & > 0[1] in. wc	.46	.46	.47	.45	.45	.45	.45

For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 4 of 4)

			Date:	5-20-19	5/21/19	5/22/19	5/23/19	5/24/19	5/25/19	5/26/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT						
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.1.7[2]	400 area re-circulation filter plenum (HVP-807) ΔP	[1]PDI-838-1	≤2.0 & > 0[1] in. wc	.55	.55	.55	.55	.55	.55	.55
		PDI-838-2	≤2.0 & > 0[1] in. wc	.59	.58	.58	.58	.58	.58	.58
		PDI-838-3	≤2.0 & > 0[1] in. wc	.59	.59	.59	.59	.59	.59	.59
	400 area re-circulation filter plenum (HVP-808) ΔP	[1]PDI-839-1	≤2.0 & > 0[1] in. wc	.40	.39	.39	.39	.39	.39	.39
		PDI-839-2	≤2.0 & > 0[1] in. wc	.52	.52	.52	.52	.52	.52	.52
		PDI-839-3	≤2.0 & > 0[1] in. wc	.52	.51	.51	.51	.51	.51	.51
4.1.3.4[2]	South Bleed off filter plenum (FF-822A) ΔP	[1]PDI-810-1	≤2.0 & > 0[1] in. wc	.16	off	off	off	off	off	off
		PDI-810-2	≤2.0 & > 0[1] in. wc	.55	off	off	off	off	off	off
		PDI-810-3	≤2.0 & > 0[1] in. wc	.51	off	off	off	off	off	off
4.1.3.4[2]	South Bleed off filter plenum (FF-822B) ΔP	[1]PDI -811 - 1	≤2.0 & > 0[1] in. wc	OFF	.12	.11	.11	.12	.12	.11
		PDI -811 -2	≤2.0 & > 0[1] in. wc	OFF	.52	.51	.51	.52	.52	.52
		PDI -811 -3	≤2.0 & > 0[1] in. wc	OFF	.51	.51	.51	.51	.51	.51
			Completion Time	0740	0800	0745	0805	0750	0750	0734
OC Operator Review and Page Count Complete (initials)										
OCS Daily Review Sign off (initials)				MJW	MJW	MJW	MJW			MJW

Kuo uoiieuiiouiiuoi for

[1] Non TSR requirement
[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR 4.1.3.4 apply during both Mode 1 and Mode 2 as stated in LCO 3.1.3.

Completed by: _____ Date 5/25/19 Time 0734 Reviewed by: _____ Date: 5/28/2019 Time: 1236
On-duty Supervisor

Comments 5/24/19 4.4.1.1 out of service. Waiting for repair.

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 1 of 5)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

			Date:	5-20-19	5/21/19	5/22/19	5/23/19	5/24/19	5/25/19	5/26/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT						
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.1.7[2]	Vault re-circulation filter plenum (HVP-811) ΔP Vault re-circulation filter plenum (HVP-812) ΔP	[1]PDI-840-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-840-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-840-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		[1]PDI-841-1	≤2.0 & > 0[1] in. wc	.46	.46	.46	.47	.47	.47	.47
		PDI-841-2	≤2.0 & > 0[1] in. wc	.58	.58	.58	.58	.58	.58	.58
		PDI-841-3	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51	.51	.51	.51
	200 area re-circulation filter plenum (HVP-801) ΔP	[1]PDI-831-1	≤2.0 & > 0[1] in. wc	.34	.33	.33	.34	.34	.33	.33
		PDI-831-2	≤2.0 & > 0[1] in. wc	.42	.42	.42	.42	.42	.42	.41
		PDI-831-3	≤2.0 & > 0[1] in. wc	.39	.39	.39	.39	.39	.39	.39
	200 area re-circulation filter plenum (HVP-802) ΔP	[1]PDI-832-1	≤2.0 & > 0[1] in. wc	.47	.46	.47	.47	.47	.47	.47
		PDI-832-2	≤2.0 & > 0[1] in. wc	.69	.68	.68	.68	.68	.68	.68
		PDI-832-3	≤2.0 & > 0[1] in. wc	.61	.61	.61	.61	.61	.61	.61
4.1.3.4[2]	North Bleed off filter plenum (FF-820A) ΔP	[1]PDI-807-1	≤2.0 & > 0[1] in. wc	OFF	off	off	off	off	off	off
		PDI-807-2	≤2.0 & > 0[1] in. wc	OFF	off	off	off	off	off	off
		PDI-807-3	≤2.0 & > 0[1] in. wc	OFF	off	off	off	off	off	off
4.1.3.4[2]	North Bleed off filter plenum (FF-820B) ΔP	[1]PDI-809-1	≤2.0 & > 0[1] in. wc	.09	.09	.09	.08	.08	.08	.08
		PDI-809-2	≤2.0 & > 0[1] in. wc	.58	.58	.58	.58	.58	.58	.58
		PDI-809-3	≤2.0 & > 0[1] in. wc	.54	.55	.55	.53	.53	.53	.53

Non Controlled For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 2 of 5)

			Date:	5-20-19	5/21/19	5/22/19	5/23/19	5/24/19	5/25/19	5/26/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	North Basement exhaust filter plenum (FF-828) ΔP	[1]PDI-829-1	≤2.0 & > 0[1] in. wc	.32	.36	.34	.34	.34	.33	.34
		PDI-829-2	≤2.0 & > 0[1] in. wc	.50	.52	.51	.50	.51	.50	.50
		PDI-829-3	≤2.0 & > 0[1] in. wc	.40	.42	.42	.40	.41	.41	.41
4.1.1.7[2]	100 area re-circulation filter plenum (HVP-803) ΔP	[1]PDI-833-1	≤2.0 & > 0[1] in. wc	.08	.08	.08	.08	.08	.08	.08
		PDI-833-2	≤2.0 & > 0[1] in. wc	.53	.53	.53	.52	.52	.52	.52
		PDI-833-3	≤2.0 & > 0[1] in. wc	.51	.51	.51	.50	.51	.51	.51
	100 area re-circulation filter plenum (HVP-804) ΔP	[1]PDI-835-1	≤2.0 & > 0[1] in. wc	.06	.05	.05	.05	.05	.05	.05
		PDI-835-2	≤2.0 & > 0[1] in. wc	.50	.49	.50	.50	.50	.50	.49
		PDI-835-3	≤2.0 & > 0[1] in. wc	.50	.50	.50	.50	.50	.50	.50
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF852) ΔP	[1]PDI-815-1	≤2.0 & > 0[1] in. wc	STBY	.28	.28	.28	.28	.28	.28
		PDI-815-2	≤2.0 & > 0[1] in. wc	STBY	.59	.59	.59	.59	.59	.59
		PDI-815-4	≤2.0 & > 0[1] in. wc	STBY	.51	.51	.51	.51	.51	.51
		PDI-815-5	≤2.0 & > 0[1] in. wc	STBY	.51	.51	.51	.51	.51	.51
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF853) ΔP	[1]PDI-816-1	≤2.0 & > 0[1] in. wc	.49	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-816-2	≤2.0 & > 0[1] in. wc	.60	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-816-4	≤2.0 & > 0[1] in. wc	.53	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-816-5	≤2.0 & > 0[1] in. wc	.59	STBY	STBY	STBY	STBY	STBY	STBY

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 3 of 5)

			Date:	5-20-19	5/21/19	5/22/19	5/23/19	5/24/19	5/25/19	5/26/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF850) ΔP	[1]PDI-812-1	≤2.0 & > 0[1] in. wc	STBY	.13	.13	.13	.13	.13	.13
		PDI-812-2	≤2.0 & > 0[1] in. wc	STBY	.30	.30	.29	.29	.29	.29
		PDI-812-3	≤2.0 & > 0[1] in. wc	STBY	.31	.30	.30	.30	.30	.30
		PDI-812-4	≤2.0 & > 0[1] in. wc	STBY	.28	.27	.27	.27	.27	.27
		PDI-812-5	≤2.0 & > 0[1] in. wc	STBY	.32	.31	.31	.31	.31	.31
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF851) ΔP	[1]PDI-813-1	≤2.0 & > 0[1] in. wc	.08	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-813-2	≤2.0 & > 0[1] in. wc	.21	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-813-3	≤2.0 & > 0[1] in. wc	.20	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-813-4	≤2.0 & > 0[1] in. wc	.29	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-813-5	≤2.0 & > 0[1] in. wc	.32	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	IFIT exhaust filter plenum (FF-865) ΔP	[1]PDI-865-1	≤2.0 & > 0[1] in. wc	.02	.02	.02	.02	.02	.02	.02
		PDI-865-2	≤2.0 & > 0[1] in. wc	.37	.37	.37	.37	.37	.37	.37
		PDI-865-3	≤2.0 & > 0[1] in. wc	.31	.31	.31	.31	.32	.32	.32
4.1.3.4[2]	IFIT supply filter plenum (HVP-863) ΔP	[1]PDI-863-1	≤2.0 & > 0[1] in. wc	.06	.06	.06	.06	.06	.06	.06
		PDI-863-2	≤2.0 & >0[1] in. wc	.31	.31	.31	.31	.31	.31	.31

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 4 of 5)

			Date:	5-20-19	5/21/19	5/22/19	5/23/19	5/24/19	5/25/19	5/26/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT						
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS						
4.1.3.4[2]	North Basement supply filter plenum (HVP-840) ΔP	[1]PDI-857-1	≤ 2.0 & > 0[1] in. wc	.10	.10	.11	.11	.11	.11	.11
		PDI-857-2	≤ 2.0 & > 0[1] in. wc	.43	.43	.43	.43	.43	.43	.44
4.1.3.4[2]	North corridor supply filter plenum (HVP-809) ΔP	[1]PDI-856-1	≤ 2.0 & > 0[1] in. wc	.05	.06	.06	.05	.05	.05	.05
		PDI-856-2	≤ 2.0 & > 0[1] in. wc	.61	.61	.61	.62	.62	.61	.61
[1]NA	**Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C**		**0 lb/ft² combustibles in designated exclusion area (within 15 feet of fans)**	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 201		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 204		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 5 of 5)

			Date:	5-20-19	5/21/19	5/22/19	5/23/19	5/24/19	5/25/19	5/26/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT						
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS						
4.3.2.2[1]	Room 206		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[1]	Room 207		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
			Completion time	0743	0750	0730	0905	0800	0806	0259
			OC Operator Review and Page Count Complete (initials)	AFM	AFM			JSC	AFM	AFM
			OCS Daily Review Sign off (initials)	MJW	MJW	MJW	MJW			MJW

[1] Non TSR requirement

[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR's 4.1.3.4 and 4.3.2.2 apply during both Mode 1 and Mode 2.

Note: Rooms 201, 206 & 207 must be entered for surveillance even if they are red lit, room 204 can be viewed through the window. Notify the Operations Center of any rooms that are unable to be entered for the performance of rounds, Operations Center will make a logbook entry recording the room(s) and reason(s) for non-entry. Document in the comments section any room(s) and reason(s) they were unable to be entered for rounds.

Completed by: _____ Date 5/25/19 Time 0259 Reviewed by: _____ Date: 5/28/2019 Time: 1237

On-duty Supervisor

Comments: _____

For Information Only

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 1 of 3)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

Note Gauge readings should be taken on rack #4 in the OC. whenever possible. Document if alternate PDIs are used.		**Date:**	5/27/19		5/28/19		5/29/19		5/30/19		5/31/19					
		Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
		Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
		Initials:	C	JSL	~~C~~ BC		ARJ	M	~~C~~	M	C	JSL				
SRs	**Description**	**Gauge Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**													
4.1.1.1 4.1.2.1[2]	**200 area glovebox exhaust header ΔP**	PDI-814-1 or PDI-814-2 ≤-1.0 in. wc[1]	-2.00	-2.00	-1.99	-1.99	-2.00	-2.00	-2.00	-1.99	-2.00	-1.99				
	100 area glovebox exhaust header ΔP	PDI-820-1 or PDI-820-2 ≤-1.0 in. wc[1]	-1.91	-1.92	-1.97	-1.93	-1.93	-1.93	-1.93	-1.93	-1.91	-1.93				
	300 area glovebox exhaust header ΔP	PDI-870-1 or PDI-870-2 ≤-1.0 in. wc	-2.10	-2.10	-2.10	-2.10	-2.12	-2.10	-2.10	-2.10	-2.10	-2.09				
	400 area glovebox exhaust header ΔP	PDI-864-1 or PDI-864-2 ≤-1.0 in. wc[1]	-2.02	-2.02	-2.01	-2.02	-2.02	-2.02	-1.94	-2.02	-2.03	-2.02				
4.1.1.2 4.1.1.5 4.1.2.2[2]	**200 area laboratory header ΔP**	PDI-803-1 or PDI-803-2 ≤-0.05 in. wc[1]	-.19	-.18	-0.18	-.18	-.18	-.22	-0.20	-.20	-.20	-0.21				
	100 area laboratory header ΔP	PDI-802-1 or PDI-802-2 ≤-0.05 in. wc[1]	-.24	-.25	-0.24	-.24	-.23	-.26	-0.24	-.26	-.26	-0.26				
	300 area laboratory header ΔP	PDI-853-1 or PDI-853-2 ≤-0.05 in. wc[1]	-.20	-.21	-0.20	-.21	-.20	-.21	-0.19	-.20	-.19	-0.19				
	400 area laboratory header ΔP	PDI-852-1 or PDI-852-2 ≤-0.05 in. wc[1]	-.20	-.20	-0.20	-.20	-.19	-.20	-0.19	-.19	-.19	-0.19				
	IFIT Facility ΔP	PDI-865-4 or PDI-865-5 ≤-0.05 in. wc	-.15	-.15	-0.15	-.15	-.15	-.15	-.15	-.15	-.15	-.15				
4.1.1.3 4.1.2.3[2]	**North basement ΔP**	PDI-804-1 or PDI-804-2 < 0.00 in. wc	-.09	-.09	-0.09	-.09	-.09	-.09	-0.09	-.09	-.09	-0.09				
	South basement ΔP	PDI-854-1 or PDI-854-2 < 0.00 in. wc	-.08	-.08	-0.08	-.08	-.08	-.08	-0.08	-.08	-.08	-0.09				
	IRT Tunnel ΔP	PDT-901 or PDI-901 < 0.00 in. wc	-.019	-.151	-0.102	-.107	-.103	-.099	-0.103	-.086	-.091	-0.101				

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ATTACHMENT A: Per Shift Surveillance Rounds [UET]

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Note Readings should be taken using FCS screens FMT#151,152,201LD and 202LD. Field verification and local plenum PDI's may be used if FCS is unavailable.			Date:	5/27/19		5/28/19		5/29/19		5/30/19		5/31/19					
			Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
			Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
			Initials:	[illegible]	JSC	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	JSC				
SRs	**Description**	**Readings**	**Acceptance Criteria**	**SURVEILLANCE RESULTS Sat / Unsat (circle one)**													
4.1.1.6	**200 area re-circulation fan/ plenum**	FR-801 Icon red and PDT-831 ΔP >.050 or FR-802 Icon red and PDT-832 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	100 area re-circulation fan/ plenum	FR-803 Icon red and PDT-833 ΔP >.050 or FR-804 Icon red and PDT-835 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	300 area re-circulation fan/ plenum	FR-805 Icon red and PDT-836 ΔP >.050 or FR-806 Icon red and PDT-837 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	400 area re-circulation fan/ plenum	FR-807 Icon red and PDT-838 ΔP >.050 or FR-808 Icon red and PDT-839 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	Vault re-circulation fan/ plenum	FR-811 Icon red and PDT-840 ΔP >.050 or FR-812 Icon red and PDT-841 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat

For Information Only

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

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Note
Gauge readings should be taken on rack #4 in the OC when possible, local PDI equivalents may be used if necessary. Document any alternate PDIs used.

				Date:	5/27/19		5/28/19		5/29/19		5/30/19		5/31/19					
				Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
				Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
				Initials:	[illegible]	JSC	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	JSC				
SRs	Description	Area	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS Sat / Unsat (circle one)													
4.1.1.4	Glovebox exhaust header ΔPs < laboratory ΔPs < basement ΔPs for areas 100, 200, 300 and 400	200 Area	PDI-814-2 PDI-803-2 PDI-804-2	PDI-814-2 < PDI-803-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		100 Area	PDI-820-2 PDI-802-2 PDI-804-2	PDI-820-2 < PDI-802-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		300 Area	PDI-870-2 PDI-853-2 PDI-854-2	PDI-870-2 < PDI-853-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		400 Area	PDI-864-2 PDI-852-2 PDI-854-2	PDI-864-2 < PDI-852-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		Completion Time			0718	1930	0718	1923	0729	1923	0724	1932	0717	1918				
		OCS Daily Review Sign off (initials)			MJW	MJW	MJW	[illegible]	MJW	[illegible]	[illegible]	[illegible]	[illegible]	MJW				

[1] Mode 2 acceptance criteria is < 0.00 in. wc.
[2] SRs 4.1.2.x only apply during Mode 2 in accordance with LCO 3.1.2.

Completed by: JSC Date 5-31-19 Time 1918 Reviewed by: [signature] On-duty Supervisor Date: 6/3/2019 Time: 1136

Comments: _____

For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

SR 4.4.1.1, The OPERABILITY acceptance criterion for this surveillance is:
The FLAMMABLE GAS detector in the FSTF FLAMMABLE GAS SOURCE storage cabinet is exposed to the ambient atmosphere in the storage cabinet. The gas concentration readout directly on the detector in the storage cabinet is compared with the gas concentration readout on the system control and alarm panel. The difference between the two readings is checked to VERIFY it is in the range of (≥-0.1; ≤0.1).

		Date:	5-27-19	5-28-19	5/29/19	5/30/19	5/31/19		
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initial:	PT	PT	[illegible]	[illegible]	[illegible]		
	Description / Gauge	**Acceptance Criteria**	**SURVEILLANCE RESULTS (percentage)**						
SR 4.4.1.1	**Flammable Gas Channel Check DET-305-3 (LCD Reading)**	NA	005	[illegible]	005	005	005		
	CP-305-H (LED Reading)		005	005	005	005	005		
	(DET-305-3) – (CP-305H) (LCD Reading) (LED Reading)	Record Calculated Value	005	005	005	005	005		
		≥ -0.1; ≤+0.1	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat	Sat / Unsat
		Completion Time:	0715	0715	0800	[illegible]	0705		

For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side)[UET]

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			Date:	5-27-19	5-28-19	5/29/19	5/30/19	5/31/19		
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	PT	[illegible]	[illegible]	[illegible]		
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	South basement supply filter plenum (HVP-841) ΔP	[1]PDI-894-1	≤2.0 & > 0[1] in. wc	.04	.04	.04	.04	.04		
		PDI-894-2	≤2.0 & > 0[1] in. wc	.46	.46	.45	.45	.45		
4.1.3.4[2]	South Corridor supply (HVP-810) ΔP	[1]PDI-895-1	≤ 2.0 & > 0[1] in. wc	.05	.05	.05	.05	.05		
		PDI-895-2	≤2.0 & > 0[1] in. wc	.71	.70	.70	.71	.71		
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF854) ΔP	[1]PDI-817-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY		
		PDI-817-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY		
		PDI-817-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY		
		PDI-817-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY		
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF858) ΔP	PDI-81 9-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY		
		PDI-81 9-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY		
		PDI-819-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY		
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF855) ΔP	[1]PDI-818-1	≤2.0 & > 0[1] in. wc	.25	.25	.25	.25	.25		
		PDI-818-2	≤2.0 & > 0[1] in. wc	.31	.31	.31	.31	.31		
		PDI-818-4	≤2.0 & > 0[1] in. wc	.30	.30	.30	.30	.30		
		PDI-818-5	≤2.0 & > 0[1] in. wc	.31	.31	.31	.31	.31		
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF859) ΔP	PDI-821-1	≤2.0 & > 0[1] in. wc	.41	.41	.45	.43	.43		
		PDI-821-3	≤2.0 & > 0[1] in. wc	.48	.48	.46	.46	.46		
		PDI-821-4	≤2.0 & > 0[1] in. wc	.41	.41	.41	.41	.41		

For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 3 of 4)

			Date:	5-27-19	5-28-19	5/29/19	5/30/19	5/31/19		
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	PT					
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF856) ΔP	[1]PDI-822-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY 5/31/19 ~12 PM		
		PDI-822-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY 5/31/19 ~58 PM		
		PDI-822-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY		
		PDI-822-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY		
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF857) ΔP	[1]PDI-823-1	≤2.0 & > 0[1] in. wc	.06	.06	.06	.06	.07		
		PDI-823-2	≤2.0 & > 0[1] in. wc	.58	.59	.57	.57	.58		
		PDI-823-4	≤2.0 & > 0[1] in. wc	.49	.49	.49	.49	.49		
		PDI-823—5	≤2.0 & > 0[1] in. wc	.61	.61	.63	.62	.62		
4.1.3.4[2]	South Basement exhaust filter plenum (FF-829) ΔP	[1]PDI-830-1	≤2.0 & > 0[1] in. wc	.27	.27	.20	.26	.26		
		PDI-830-2	≤2.0 & > 0[1] in. wc	.14	.13	.13	.13	.13		
		PDI-830-3	≤2.0 & > 0[1] in. wc	.12	.12	.10	.11	.11		
4.1.1.7[2]	300 area re-circulation filter plenum (HVP-805) ΔP	[1]PDI-836-1	≤2.0 & > 0[1] in. wc	.07	.07	.07	.07	.07		
		PDI-836-2	≤2.0 & > 0[1] in. wc	.65	.65	.65	.65	.66		
		PDI-836-3	≤2.0 & > 0[1] in. wc	.62	.62	.64	.64	.64		
	300 area re-circulation filter plenum (HVP-806) ΔP	[1]PDI-837-1	≤2.0 & > 0[1] in. wc	.04	.04	.04	.04	.04		
		PDI-837-2	≤2.0 & > 0[1] in. wc	.49	.49	.49	.49	.49		
		PDI-837-3	≤2.0 & > 0[1] in. wc	.48	.48	.47	.47	.47		

Kuo Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 4 of 4)

			Date:	5-27-19	5-28-19	5/29/19	5/30/19	5/31/19		
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	PT	[illegible]	[illegible]	[illegible]		
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.1.7[2]	400 area re-circulation filter plenum (HVP-807) ΔP	[1]PDI-838-1	≤2.0 & > 0[1] in. wc	.55	.55	.55	.55	.55		
		PDI-838-2	≤2.0 & > 0[1] in. wc	.59	.59	.58	.58	.58		
		PDI-838-3	≤2.0 & > 0[1] in. wc	.59	.59	.59	.59	.59		
	400 area re-circulation filter plenum (HVP-808) ΔP	[1]PDI-839-1	≤2.0 & > 0[1] in. wc	.40	.40	.40	.40	.40		
		PDI-839-2	≤2.0 & > 0[1] in. wc	.52	.52	.51	.51	.51		
		PDI-839-3	≤2.0 & > 0[1] in. wc	[illegible]	.52	.51	.51	.51		
4.1.3.4[2]	South Bleed off filter plenum (FF-822A) ΔP	[1]PDI-810-1	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	.17	.16		
		PDI-810-2	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	.58	.55		
		PDI-810-3	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	.51	.51		
4.1.3.4[2]	South Bleed off filter plenum (FF-822B) ΔP	[1]PDI -811 - 1	≤2.0 & > 0[1] in. wc	.12	.12	.12	OFF	OFF		
		PDI -811 -2	≤2.0 & > 0[1] in. wc	.52	.52	.52	OFF	OFF		
		PDI -811 -3	≤2.0 & > 0[1] in. wc	.52	.52	.52	OFF	OFF		
			Completion Time	0752	0730	0830	0800	0735		
OC Operator Review and Page Count Complete (initials)				[illegible]	[illegible]	WAM	[illegible] APD	[illegible]		
OCS Daily Review Sign off (initials)				MJW	MJW	MJW	MJW	QAO		

[1] Non TSR requirement
[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR 4.1.3.4 apply during both Mode 1 and Mode 2 as stated in LCO 3.1.3.

Completed by: Jerome M. Date 5/31/19 Time 0735 Reviewed by: [illegible] Date: 5/31/19 Time: 0910
On-duty Supervisor

Comments Flammable gas channel OOS. awaiting new unit.

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 1 of 5)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

			Date:	5-27-19	5-28-19	5/29/19	5/30/19	5/31/19		
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	PT					
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.1.7[2]	Vault re-circulation filter plenum (HVP-811) ΔP Vault re-circulation filter plenum (HVP-812) ΔP	[1]PDI-840-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	.17	.17		
		PDI-840-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	.58	.58		
		PDI-840-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	.51	.51		
		[1]PDI-841-1	≤2.0 & > 0[1] in. wc	.47	.47	.47	STBY	STBY		
		PDI-841-2	≤2.0 & > 0[1] in. wc	.58	.58	.58	STBY	STBY		
		PDI-841-3	≤2.0 & > 0[1] in. wc	.51	.51	.51	STBY	STBY		
	200 area re-circulation filter plenum (HVP-801) ΔP	[1]PDI-831-1	≤2.0 & > 0[1] in. wc	.34	.34	.34	.34	.33		
		PDI-831-2	≤2.0 & > 0[1] in. wc	.42	.42	.42	.42	.42		
		PDI-831-3	≤2.0 & > 0[1] in. wc	.39	.39	.39	.39	.39		
	200 area re-circulation filter plenum (HVP-802) ΔP	[1]PDI-832-1	≤2.0 & > 0[1] in. wc	.47	.47	.47	.47	.47		
		PDI-832-2	≤2.0 & > 0[1] in. wc	.68	.68	.68	.67	.67		
		PDI-832-3	≤2.0 & > 0[1] in. wc	.61	.61	.61	.61	.61		
4.1.3.4[2]	North Bleed off filter plenum (FF-820A) ΔP	[1]PDI-807-1	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	.13	.13		
		PDI-807-2	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	.52	.55		
		PDI-807-3	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	.50	.50		
4.1.3.4[2]	North Bleed off filter plenum (FF-820B) ΔP	[1]PDI-809-1	≤2.0 & > 0[1] in. wc	.09	.09	.08	off	off		
		PDI-809-2	≤2.0 & > 0[1] in. wc	.57	.58	.57	off	off		
		PDI-809-3	≤2.0 & > 0[1] in. wc	.53	.53	.52	off	off		

Non-Confirmation. For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 2 of 5)

			Date:	5-27-19	5-28-19	5/29/19	5/30/19	5/31/19		
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	PT	[illegible]	[illegible]	[illegible]		
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	North Basement exhaust filter plenum (FF-828) ΔP	[1]PDI-829-1	≤2.0 & > 0[1] in. wc	.35	.35	.33	.35	.36		
		PDI-829-2	≤2.0 & > 0[1] in. wc	.50	.51	.50	.51	.51		
		PDI-829-3	≤2.0 & > 0[1] in. wc	.41	.41	.41	.41	.42		
4.1.1.7[2]	100 area re-circulation filter plenum (HVP-803) ΔP	[1]PDI-833-1	≤2.0 & > 0[1] in. wc	.08	.08	.08	.08	.08		
		PDI-833-2	≤2.0 & > 0[1] in. wc	.52	.52	.52	.52	.52		
		PDI-833-3	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51	.51		
	100 area re-circulation filter plenum (HVP-804) ΔP	[1]PDI-835-1	≤2.0 & > 0[1] in. wc	.05	.05	.05	.05	.05		
		PDI-835-2	≤2.0 & > 0[1] in. wc	.50	.50	.50	.50	.49		
		PDI-835-3	≤2.0 & > 0[1] in. wc	.50	.50	.50	.50	.50		
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF852) ΔP	[1]PDI-815-1	≤2.0 & > 0[1] in. wc	.29	.28	.28	.28	.28		
		PDI-815-2	≤2.0 & > 0[1] in. wc	.58	.58	.58	.58	.58		
		PDI-815-4	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51	.51		
		PDI-815-5	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51	.51		
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF853) ΔP	[1]PDI-816-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY		
		PDI-816-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY		
		PDI-816-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY		
		PDI-816-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY		

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 3 of 5)

			Date:	5-27-19	5-28-19	5/29/19	5/30/19	5/31/19		
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	PT	[illegible]	[illegible]	[illegible]		
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF850) ΔP	[1]PDI-812-1	≤2.0 & > 0[1] in. wc	.12	.12	.12	.12	.12		
		PDI-812-2	≤2.0 & > 0[1] in. wc	.29	.29	.29	.29	.30		
		PDI-812-3	≤2.0 & > 0[1] in. wc	.28	.29	.29	.29	.30		
		PDI-812-4	≤2.0 & > 0[1] in. wc	.29	.29	.28	.28	.29		
		PDI-812-5	≤2.0 & > 0[1] in. wc	.31	.31	.32	.32	.32		
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF851) ΔP	[1]PDI-813-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY		
		PDI-813-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY		
		PDI-813-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY		
		PDI-813-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY		
		PDI-813-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY		
4.1.3.4[2]	IFIT exhaust filter plenum (FF-865) ΔP	[1]PDI-865-1	≤2.0 & > 0[1] in. wc	.02	.02	.02	.02	.02		
		PDI-865-2	≤2.0 & > 0[1] in. wc	.38	.38	.38	.38	.38		
		PDI-865-3	≤2.0 & > 0[1] in. wc	.32	.31	.31	.31	.31		
4.1.3.4[2]	IFIT supply filter plenum (HVP-863) ΔP	[1]PDI-863-1	≤2.0 & > 0[1] in. wc	.06	.06	.06	.06	.06		
		PDI-863-2	≤2.0 & >0[1] in. wc	.31	.31	.31	.32	.32		

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 4 of 5)

			Date:	5-27-19	5-28-19	5/29/19	5/30/19	5/31/19		
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	PT	[illegible]	[illegible]	[illegible]		
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS**						
4.1.3.4[2]	North Basement supply filter plenum (HVP-840) ΔP	[1]PDI-857-1	≤ 2.0 & > 0[1] in. wc	.11	.11	.11	.11	.11		
		PDI-857-2	≤2.0 & > 0[1] in. wc	.43	.43	.43	.46	.45		
4.1.3.4[2]	North corridor supply filter plenum (HVP-809) ΔP	[1]PDI-856-1	≤2.0 & > 0[1] in. wc	.06	.06	.05	.05	.05		
		PDI-856-2	≤2.0 & > 0[1] in. wc	.61	.61	.62	.58	.58		
[1]NA	**Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C**		**0 lb/ft² combustibles in designated exclusion area (within 15 feet of fans)**	SAT	SAT	SAT	SAT	SAT		
4.3.2.2[1]	Room 201		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT		
4.3.2.2[1]	Room 204		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT		

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 5 of 5)

			Date:	5-27-19	5-28-19	5/29/19	5/30/19	5/31/19		
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	PT					
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS						
4.3.2.2[2]	Room 206		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT		
4.3.2.2[2]	Room 207		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT		
			Completion time	0800	0732	0810	0720	0710		
			OC Operator Review and Page Count Complete (initials)			AM	AM			
			OCS Daily Review Sign off (initials)	MJW	MJW	MJW	MJW	DAD		

[1] Non TSR requirement

[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR's 4.1.3.4 and 4.3.2.2 apply during both Mode 1 and Mode 2.

Note: Rooms 201, 206 & 207 **must be** entered for surveillance even if they are red lit, room 204 can be viewed through the window. Notify the Operations Center of any rooms that are unable to be entered for the performance of rounds, Operations Center will make a logbook entry recording the room(s) and reason(s) for non-entry. Document in the comments section any room(s) and reason(s) they were unable to be entered for rounds.

Completed by: Jerome Martinez Date 5/31/19 Time 0710 Reviewed by: _____ Date: 5/31/19 Time: 0918

On-duty Supervisor

Comments: _____

For Information Only

ATTACHMENT D: Monthly Surveillance Rounds (Confinement Doors) [UET]

(Page 1 of 2)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

SRs	Equipment	Location	Acceptance criteria	Sat or Unsat.	Completion Time:	Date:	Initials	CDV Initials
*Note	Confinement DR-344	Southeast	Verify that the Astragals and Jamb-Seal features are in-place and cover the gaps present 1. Between the door leaves and 2. Between the frame and the door edge when the doors are in the closed position	Sat. / Unsat.	1027	5/2/19	Th	PT
4.1.3.2[1]	Confinement Door DR-344	Southeast	Exercise fully open and Verify that the door goes to the fully closed position via the automatic door closure. For each confinement door, VERIFY that one leaf of the door(s) is secured shut (NW, NE, SW, SE, south basement door).	Sat. / Unsat.	1024	5/2/19	Th	PT
4.1.3.2[1]	Confinement Door DR-149	Northeast	Exercise fully open and Verify that the door goes to the fully closed position via the automatic door closure. For each confinement door, VERIFY that one leaf of the door(s) is secured shut (NW, NE, SW, SE, south basement door).	Sat. / Unsat.	1011	5/ Th 5/2/19 5/2/19	Th	PT
*Note	Confinement DR-102	Northwest	Verify that the Astragals and Jamb-Seal features are in-place and cover the gaps present 1. Between the door leaves and 2. Between the frame and the door edge when the doors are in the closed position	Sat. / Unsat.	0945	5/2/19	Th	PT
4.1.3.2[1]	Confinement Door DR-102	Northwest	Exercise fully open and Verify that the door goes to the fully closed position via the automatic door closure. For each confinement door, VERIFY that one leaf of the door(s) is secured shut (NW, NE, SW, SE, south basement door).	Sat. / Unsat.	0941	5/2/19	Th	PT
			AND VERIFY and RECORD the time (using calibrated stop watch) that the door(s) go to the fully closed position via the automatic door closure is ≤ 30 seconds. 4 Seconds	Sat. / Unsat.	0941	5/2/19	Th	PT

*** Note:** Monthly Inspection of DR-344 and DR-102 in accordance with compensatory measure(s) from: *Request for Permanent Equivalency to OE Order 420.1B Chapter II, NFPA 80, NFPA 101 and IBC Requirements for LANL Building TA55-4 (PF-4); Installation of New Confinement Doors DR-102, DR-302, and DR-344 LANL-DOE-ORDER-420.1B-EQ-2013-001*

For Information Only

ATTACHMENT D: Monthly Surveillance Rounds (Confinement Doors) [UET]

(Page 2 of 2)

SRs	Equipment	Location	Acceptance criteria	Sat or Unsat.	Completion Time:	Date:	Initials	CDV Initials
4.1.3.2[1]	Confinement Door DR-302	Southwest	Exercise fully open and Verify that the door goes to the fully closed position via the automatic door closure. For each confinement door, VERIFY that one leaf of the door(s) is secured shut (NW, NE, SW, SE, south basement door).	Sat. / Unsat.	0935	5/2/19	[illegible]	PT
			AND VERIFY and RECORD the time (using calibrated stop watch) that the door(s) go to the fully closed position via the automatic door closure is ≤ 30 seconds. 6 Seconds	Sat. / Unsat.	0930	5/2/19	[illegible]	PT
4.1.3.2[1]	Confinement Door DR-4	N. Basement Personnel door DR-4	Exercise fully open and Verify that the door goes to the fully closed position via the automatic door closure.	Sat. / Unsat.	0956	5/2/19	[illegible]	PT
4.1.3.2[1]	* Confinement Door DR-90	South Basement Door (Tunnel)	Exercise fully open and Verify that the door goes to the fully closed position via the automatic door closure. For each confinement door, VERIFY that one leaf of the door(s) is secured shut (NW, NE, SW, SE, south basement door).	Sat. / Unsat.	0912	5/2/19	[illegible]	PT
						OC Operator Review and Page Count Complete	✓	NA

[1] SR 4.1.3.2 applies during both Mode 1 and Mode 2.

Completed by: [illegible] Date 5/2/19 Time 1038 Reviewed by: [illegible] 5/2/19 Date: ~~5/2/19~~ 5/2/2019 Time: ~~5/2/19~~ 1037 1235

Concurrent Dual Verifier Paul Zrijdh Date 5-2-19 Time 1038

On-duty Supervisor Comments: * DR-90 Leaf Door does not unlatch, awaiting repair.

For Information Only

ATTACHMENT D: Monthly Surveillance Rounds (Confinement Doors) [UET]

(Page 1 of 2)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

SRs	Equipment	Location	Acceptance criteria	Sat or Unsat.	Completion Time:	Date:	Initials	CDV Initials
*Note	Confinement DR-344	Southeast	Verify that the Astragals and Jamb-Seal features are in-place and cover the gaps present 1. Between the door leaves and 2. Between the frame and the door edge when the doors are in the closed position	Sat. / Unsat.	1511	5/30/19	Th	PT
4.1.3.2[1]	Confinement Door DR-344	Southeast	Exercise fully open and Verify that the door goes to the fully closed position via the automatic door closure. For each confinement door, VERIFY that one leaf of the door(s) is secured shut (NW, NE, SW, SE, south basement door).	Sat. / Unsat.	1518	5/30/19	Th	PT
4.1.3.2[1]	Confinement Door DR-149	Northeast	Exercise fully open and Verify that the door goes to the fully closed position via the automatic door closure. For each confinement door, VERIFY that one leaf of the door(s) is secured shut (NW, NE, SW, SE, south basement door).	Sat. / Unsat.	1354	5/30/19	Th	PT
*Note	Confinement DR-102	Northwest	Verify that the Astragals and Jamb-Seal features are in-place and cover the gaps present 1. Between the door leaves and 2. Between the frame and the door edge when the doors are in the closed position	Sat. / Unsat.	1410	5/30/19	Th	PT
4.1.3.2[1]	Confinement Door DR-102	Northwest	Exercise fully open and Verify that the door goes to the fully closed position via the automatic door closure. For each confinement door, VERIFY that one leaf of the door(s) is secured shut (NW, NE, SW, SE, south basement door).	Sat. / Unsat.	1412 ~~1416~~ Th 5/30/19	5/30/19	Th	PT
			AND VERIFY and RECORD the time (using calibrated stop watch) that the door(s) go to the fully closed position via the automatic door closure is ≤ 30 seconds. 4.3 Seconds	Sat. / Unsat.	1408	5/30/19	Th	PT

* Note: Monthly Inspection of DR-344 and DR-102 in accordance with compensatory measure(s) from: *Request for Permanent Equivalency to OE Order 420.1B Chapter II, NFPA 80, NFPA 101 and IBC Requirements for LANL Building TA55-4 (PF-4); Installation of New Confinement Doors DR-102, DR-302, and DR-344 LANL-DOE-ORDER-420.1B-EO-2013-001*

For Information Only

ATTACHMENT D: Monthly Surveillance Rounds (Confinement Doors) [UET]

(Page 2 of 2)

SRs	Equipment	Location	Acceptance criteria	Sat or Unsat.	Completion Time:	Date:	Initials	CDV Initials
4.1.3.2[1]	Confinement Door DR-302	Southwest	Exercise fully open and Verify that the door goes to the fully closed position via the automatic door closure. For each confinement door, VERIFY that one leaf of the door(s) is secured shut (NW, NE, SW, SE, south basement door).	(Sat)/ Unsat.	1420	5/30/19	TL	PT
4.1.3.2[1]			AND VERIFY and RECORD the time (using calibrated stop watch) that the door(s) go to the fully closed position via the automatic door closure is ≤ 30 seconds. 06 14 Seconds	(Sat)/ Unsat.	1416	5/30/19	TL	PT
4.1.3.2[1]	Confinement Door DR-4	N. Basement Personnel door DR-4	Exercise fully open and Verify that the door goes to the fully closed position via the automatic door closure.	(Sat)/ Unsat.	1510	5/30/19	TL	PT
4.1.3.2[1]	* Confinement Door DR-90	South Basement Door (Tunnel)	Exercise fully open and Verify that the door goes to the fully closed position via the automatic door closure. For each confinement door, VERIFY that one leaf of the door(s) is secured shut (NW, NE, SW, SE, south basement door).	Sat./ (Unsat)	1433	5/30/19	TL	PT
					OC Operator Review and Page Count Complete			ATB

[1] SR 4.1.3.2 applies during both Mode 1 and Mode 2.

Completed by: T. Pennington Date 5/30/19 Time 1535 Reviewed by: Ashley Date: 5/30/19 Time: 1555

Concurrent Dual Verifier Paul Trujillo Date 5-30-19 Time 1535

On-duty Supervisor Comments:

* DR-90 Leaf door does not unlatch, awaiting repair.

For Information Only

Attachment B, Surveillance Training Checklist

(Page 1 of 2)

Procedure title:	SURVEILLANCE ROUNDS
Procedure no.:	TA55-STP-004 R20
Date of issue:	06-01-19
Working copy issued to:	J. OEDILLO
Working copy issued by:	B CHANCE
	Certified Operations Center Operator (OCO)

Procedure is the current revision listed in Documentum: ☑ Yes ☐ Documentum Unavailable

Performance Type: ☑ Scheduled ☐ Partial ☐ Other *If partial or other list reason in Comments below*

Comments: *(Document TSR Status Board tracking date here if different from completion date.)*

Training Checklist:

Workers Performing Surveillance	Applicable Surveillance Training Current	
	OCO Initials	Date
J OEDILLO	BC	06-01-19
B CHANCE	BC	06-01-19
C COCHRAN	BC	06-01-19
A JAUREGUE	BC	06-01-19
H MILLER	BC	06-01-19
R PRICE	BC	06-01-19
F SCIBERT	BC	06-01-19
M WELLS	BC	06-01-19
K ASHLEY	BC	06-01-19

OC Reviews Complete and TSR ~~Status Board~~ Updated

OCO Signature 6/30/19 Date

For Information Only

Attachment B, Surveillance Training Checklist (continued)

(Page 2 of 2)

Training Checklist (continuation sheet)

Workers Performing Surveillance	Applicable Surveillance Training Current	
	Initials	Date
D DUNLAVY	BC	06-01-19
A DUNSETH	BC	06-01-19
M WASHBURN	BC	06-01-19
B FORDHAM	BC	06-01-19
D HEINTSCHEL	[signature]	6/4/19
R HOHNER	[signature]	6/4/19
M IRISH	[signature]	6/4/19
T LANGWORTHY	BC	06-01-19
J MARTINEZ	BC	06-01-19
R MARTINEZ	[signature]	6/3/19
S O'NEILL	BC	06-01-19
ANTHONY SANCHEZ	BC	06-01-19
ANGIE SANCHEZ	BC	06-01-19
P TRUJILLO	BC	06-01-19

For Information Only

Attachment A, Surveillance Due Date Change Request

(Page 1 of 1)

SI/STP/ISI #	Scheduled Due Date	Proposed Due Date	Maximum Allowable Extension of Due Date
TA55-SDD-004, R20	6/4/19 1100	6/4/19 1500	6/4/19 1700

Justification:

No RCT support until after 1100.

Prepared by: _____ 6/4/19
Preparer/System Engineer — Date

Reviewed by: _____ 6/4/2019
Operations Center On-Duty Supervisor — Date

Approved by: _____ 6/4/19
Operations Manager — Date

For Information Only

Attachment A, Surveillance Due Date Change Request

(Page 1 of 1)

SI/STP/ISI #	Scheduled Due Date	Proposed Due Date	Maximum Allowable Extension of Due Date
TA55-RSP-004	6/5/19 1100	6/5/19 ~~1100~~ 1600	6/5/19

Justification:

RCT SUPPORT NEEDED FOR BASEMENT ROUND

Prepared by: C. Cochran 6/5/19
Preparer/System Engineer Date

Reviewed by: [signature] 6/5/2019
Operations Center On-Duty Supervisor Date

Approved by: [signature] 6/5/2019
Operations Manager Date

For Information Only

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 1 of 3)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

Note: Gauge readings should be taken on rack #4 in the OC. whenever possible. Document if alternate PDIs are used.																			
		Date:														6/1/19		6/2/19	
		Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.				
		Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM			
		Initials:											M	BC	C	BC			
SRs	**Description**	**Gauge Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**																
4.1.1.1 4.1.2.1[2]	200 area glovebox exhaust header ΔP	PDI-814-1 or PDI-814-2 ≤-1.0 in. wc[1]											-2.00	-2.01	-2.01	-2.01			
	100 area glovebox exhaust header ΔP	PDI-820-1 or PDI-820-2 ≤-1.0 in. wc[1]											-1.95	-1.93	-1.91	-1.92			
	300 area glovebox exhaust header ΔP	PDI-870-1 or PDI-870-2 ≤-1.0 in. wc[1]											-2.09	-2.05	-2.05	-2.05			
	400 area glovebox exhaust header ΔP	PDI-864-1 or PDI-864-2 ≤-1.0 in. wc[1]											-2.03	-2.02	-2.03	-2.03			
4.1.1.2 4.1.1.5 4.1.2.2[2]	200 area laboratory header ΔP	PDI-803-1 or PDI-803-2 ≤-0.05 in. wc[1]											-.20	-.21	-.20	-.20			
	100 area laboratory header ΔP	PDI-802-1 or PDI-802-2 ≤-0.05 in. wc[1]											-.26	-.26	-.26	-.27			
	300 area laboratory header ΔP	PDI-853-1 or PDI-853-2 ≤-0.05 in. wc[1]											-.19	-.20	-.20	-.20			
	400 area laboratory header ΔP	PDI-852-1 or PDI-852-2 ≤-0.05 in. wc[1]											-.19	-.20	-.20	-.20			
	IFIT Facility ΔP	PDI-865-4 or PDI-865-5 ≤-0.05 in. wc											-.15	-.15	-.15	-.15			
4.1.1.3 4.1.2.3[2]	North basement ΔP	PDI-804-1 or PDI-804-2 < 0.00 in. wc											-.09	-.10	-.09	-.09			
	South basement ΔP	PDI-854-1 or PDI-854-2 < 0.00 in. wc											-.09	-.09	-.09	-.08			
	IRT Tunnel ΔP	PDT-901 or PDI-901 < 0.00 in. wc											-.107	-.090	-.103	-.091			

For Information Only

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 2 of 3)

Note: Readings should be taken using FCS screens FMT#151,152,201LD and 202LD. Field verification and local plenum PDI's may be used if FCS is unavailable.			Date:										6/11/19		6/2/19	
			Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
			Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
			Initials:											[illegible]	BC	[illegible]	BC
SRs	**Description**	**Readings**	**Acceptance Criteria**	**SURVEILLANCE RESULTS Sat / Unsat (circle one)**													
4.1.1.6	**200 area re-circulation fan/ plenum**	FR-801 Icon red and PDT-831 ΔP >.050 or FR-802 Icon red and PDT-832 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat
	100 area re-circulation fan/ plenum	FR-803 Icon red and PDT-833 ΔP >.050 or FR-804 Icon red and PDT-835 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat
	300 area re-circulation fan/ plenum	FR-805 Icon red and PDT-836 ΔP >.050 or FR-806 Icon red and PDT-837 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat
	400 area re-circulation fan/ plenum	FR-807 Icon red and PDT-838 ΔP >.050 or FR-808 Icon red and PDT-839 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat
	Vault re-circulation fan/ plenum	FR-811 Icon red and PDT-840 ΔP >.050 or FR-812 Icon red and PDT-841 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat

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ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 3 of 3)

Note
Gauge readings should be taken on rack #4 in the OC when possible, local PDI equivalents may be used if necessary. Document any alternate PDIs used.

				Date:												6/1/19		6/2/19	
				Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
				Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
				Initials:											M	BC	C	BC
SRs	**Description**	**Area**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS** Sat / Unsat (circle one)													
4.1.1.4	Glovebox exhaust header ΔPs < laboratory ΔPs < basement ΔPs for areas 100, 200, 300 and 400	200 Area	PDI-814-2 PDI-803-2 PDI-804-2	PDI-814-2 < PDI-803-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat
		100 Area	PDI-820-2 PDI-802-2 PDI-804-2	PDI-820-2 < PDI-802-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat
		300 Area	PDI-870-2 PDI-853-2 PDI-854-2	PDI-870-2 < PDI-853-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat
		400 Area	PDI-864-2 PDI-852-2 PDI-854-2	PDI-864-2 < PDI-852-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat	(Sat) Unsat
		Completion Time													0722	1917	0716	1920
		OCS Daily Review Sign off (initials)													a	MW	MW	MW

[1] Mode 2 acceptance criteria is < 0.00 in. wc.
[2] SRs 4.1.2.x only apply during Mode 2 in accordance with LCO 3.1.2.

Completed by: [redacted] Date 06.02.19 Time 1920 Reviewed by: _____ Date: 6/3/2019 Time: 1154
On-duty Supervisor

Comments: _____

Auto Uncontrolled For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

SR 4.4.1.1, The OPERABILITY acceptance criterion for this surveillance is:
The FLAMMABLE GAS detector in the FSTF FLAMMABLE GAS SOURCE storage cabinet is exposed to the ambient atmosphere in the storage cabinet. The gas concentration readout directly on the detector in the storage cabinet is compared with the gas concentration readout on the system control and alarm panel. The difference between the two readings is checked to VERIFY it is in the range of (≥-0.1; ≤0.1).

		Date:						6-1-19	6-2-19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:						PT	PT
	Description / Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (percentage)						
SR 4.4.1.1	Flammable Gas Channel Check DET-305-3 (LCD Reading)	NA						005	005
	CP-305-H (LED Reading)							005	005
	(DET-305-3) – (CP-305H) (LCD Reading) (LED Reading)	Record Calculated Value						003	005
		≥ -0.1; ≤+0.1	Sat / Unsat	Sat / Unsat	Sat / Unsat	Sat / Unsat	Sat / Unsat	Sat / Unsat	Sat / Unsat
		Completion Time:						0725	0724

For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side)[UET]

(Page 2 of 4)

For Information Only

			Date:						6-1-19	6-2-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:						PT	PT
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	South basement supply filter plenum (HVP-841) ΔP	[1]PDI-894-1	≤2.0 & > 0[1] in. wc						.04	.04
		PDI-894-2	≤2.0 & > 0[1] in. wc						.45	.44
4.1.3.4[2]	South Corridor supply (HVP-810) ΔP	[1]PDI-895-1	≤2.0 & > 0[1] in. wc						.06	.06
		PDI-895-2	≤2.0 & > 0[1] in. wc						.72	.75
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF854) ΔP	[1]PDI-817-1	≤2.0 & > 0[1] in. wc						STBY	STBY
		PDI-817-2	≤2.0 & > 0[1] in. wc						STBY	STBY
		PDI-817-4	≤2.0 & > 0[1] in. wc						STBY	STBY
		PDI-817-5	≤2.0 & > 0[1] in. wc						STBY	STBY
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF858) ΔP	PDI-81 9-1	≤2.0 & > 0[1] in. wc						STBY	STBY
		PDI-81 9-3	≤2.0 & > 0[1] in. wc						STBY	STBY
		PDI-819-4	≤2.0 & > 0[1] in. wc						STBY	STBY
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF855) ΔP	[1]PDI-818-1	≤2.0 & > 0[1] in. wc						.25	.25
		PDI-818-2	≤2.0 & > 0[1] in. wc						.30	.30
		PDI-818-4	≤2.0 & > 0[1] in. wc						.30	.30
		PDI-818-5	≤2.0 & > 0[1] in. wc						.30	.30
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF859) ΔP	PDI-821-1	≤2.0 & > 0[1] in. wc						.41	.41
		PDI-821-3	≤2.0 & > 0[1] in. wc						.48	.48
		PDI-821-4	≤2.0 & > 0[1] in. wc						.31	.41

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 3 of 4)

For Information Only

			Date:						6-1-19	6-2-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:						PT	PT
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF856) ΔP	[1]PDI-822-1	≤2.0 & > 0[1] in. wc						STBY	STBY
		PDI-822-2	≤2.0 & > 0[1] in. wc						STBY	STBY
		PDI-822-4	≤2.0 & > 0[1] in. wc						STBY	STBY
		PDI-822-5	≤2.0 & > 0[1] in. wc						STBY	STBY
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF857) ΔP	[1]PDI-823-1	≤2.0 & > 0[1] in. wc						.06	.06
		PDI-823-2	≤2.0 & > 0[1] in. wc						.59	.59
		PDI-823-4	≤2.0 & > 0[1] in. wc						.49	.49
		PDI-823—5	≤2.0 & > 0[1] in. wc						.61	.62
4.1.3.4[2]	South Basement exhaust filter plenum (FF-829) ΔP	[1]PDI-830-1	≤2.0 & > 0[1] in. wc						.14	.30
		PDI-830-2	≤2.0 & > 0[1] in. wc						.10	.12
		PDI-830-3	≤2.0 & > 0[1] in. wc						.09	.11
4.1.1.7[2]	300 area re-circulation filter plenum (HVP-805) ΔP	[1]PDI-836-1	≤2.0 & > 0[1] in. wc						.06	.06
		PDI-836-2	≤2.0 & > 0[1] in. wc						.65	.65
		PDI-836-3	≤2.0 & > 0[1] in. wc						.63	.65
	300 area re-circulation filter plenum (HVP-806) ΔP	[1]PDI-837-1	≤2.0 & > 0[1] in. wc						.04	.04
		PDI-837-2	≤2.0 & > 0[1] in. wc						.49	.49
		PDI-837-3	≤2.0 & > 0[1] in. wc						.47	.47

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 4 of 4)

			Date:						6-1-19	6-2-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:						PT	PT
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.1.7[2]	400 area re-circulation filter plenum (HVP-807) ΔP	[1]PDI-838-1	≤2.0 & > 0[1] in. wc						.56	.56
		PDI-838-2	≤2.0 & > 0[1] in. wc						.58	.60
		PDI-838-3	≤2.0 & > 0[1] in. wc						.59	.60
	400 area re-circulation filter plenum (HVP-808) ΔP	[1]PDI-839-1	≤2.0 & > 0[1] in. wc						.40	.40
		PDI-839-2	≤2.0 & > 0[1] in. wc						.52	.52
		PDI-839-3	≤2.0 & > 0[1] in. wc						.52	.52
4.1.3.4[2]	South Bleed off filter plenum (FF-822A) ΔP	[1]PDI-810-1	≤2.0 & > 0[1] in. wc						.16	.16
		PDI-810-2	≤2.0 & > 0[1] in. wc						.54	.54
		PDI-810-3	≤2.0 & > 0[1] in. wc						.51	.51
4.1.3.4[2]	South Bleed off filter plenum (FF-822B) ΔP	[1]PDI -811 - 1	≤2.0 & > 0[1] in. wc						OFF	OFF
		PDI -811 -2	≤2.0 & > 0[1] in. wc						OFF	OFF
		PDI -811 -3	≤2.0 & > 0[1] in. wc						OFF	OFF
			Completion Time						0733	0720
OC Operator Review and Page Count Complete (initials)									CM	CM
OCS Daily Review Sign off (initials)									CM	MJW

[1] Non TSR requirement
[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR 4.1.3.4 apply during both Mode 1 and Mode 2 as stated in LCO 3.1.3.

Completed by: Paul Trujillo Date 6-2-19 Time 0720 Reviewed by: _____ Date: 6/7/2019 Time: 1155
On-duty Supervisor

Comments Flammable gas channel OOS, New one Coming

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 1 of 5)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

For Information Only

			Date:						6-1-19	6-2-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:						PT	PT
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.1.7[2]	Vault re-circulation filter plenum (HVP-811) ΔP Vault re-circulation filter plenum (HVP-812) ΔP	[1]PDI-840-1	≤2.0 & > 0[1] in. wc						.17	.17
		PDI-840-2	≤2.0 & > 0 in[1]. wc						.58	.58
		PDI-840-3	≤2.0 & > 0[1] in. wc						.51	.51
		[1]PDI-841-1	≤2.0 & > 0[1] in. wc						STBY	STBY
		PDI-841-2	≤2.0 & > 0[1] in. wc						STBY	STBY
		PDI-841-3	≤2.0 & > 0[1] in. wc						STBY	STBY
	200 area re-circulation filter plenum (HVP-801) ΔP	[1]PDI-831-1	≤2.0 & > 0[1] in. wc						.34	.34
		PDI-831-2	≤2.0 & > 0[1] in. wc						.41	.41
		PDI-831-3	≤2.0 & > 0[1] in. wc						.39	.39
	200 area re-circulation filter plenum (HVP-802) ΔP	[1]PDI-832-1	≤2.0 & > 0[1] in. wc						.48	.48
		PDI-832-2	≤2.0 & > 0[1] in. wc						.69	.69
		PDI-832-3	≤2.0 & > 0[1] in. wc						.61	.61
4.1.3.4[2]	North Bleed off filter plenum (FF-820A) ΔP	[1]PDI-807-1	≤2.0 & > 0[1] in. wc						.12	.12
		PDI-807-2	≤2.0 & > 0[1] in. wc						.54	.54
		PDI-807-3	≤2.0 & > 0[1] in. wc						.51	.51
4.1.3.4[2]	North Bleed off filter plenum (FF-820B) ΔP	[1]PDI-809-1	≤2.0 & > 0[1] in. wc						OFF	OFF
		PDI-809-2	≤2.0 & > 0[1] in. wc						OFF	OFF
		PDI-809-3	≤2.0 & > 0[1] in. wc						OFF	OFF

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 2 of 5)

			Date:						6-1-19	6-2-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:						PT	PT
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	North Basement exhaust filter plenum (FF-828) ΔP	[1]PDI-829-1	≤2.0 & > 0[1] in. wc						.44	.34
		PDI-829-2	≤2.0 & > 0[1] in. wc						.60	.51
		PDI-829-3	≤2.0 & > 0[1] in. wc						.50	.41
4.1.1.7[2]	100 area re-circulation filter plenum (HVP-803) ΔP	[1]PDI-833-1	≤2.0 & > 0[1] in. wc						.08	.08
		PDI-833-2	≤2.0 & > 0[1] in. wc						.52	.52
		PDI-833-3	≤2.0 & > 0[1] in. wc						.51	.51
	100 area re-circulation filter plenum (HVP-804) ΔP	[1]PDI-835-1	≤2.0 & > 0[1] in. wc						.05	.05
		PDI-835-2	≤2.0 & > 0[1] in. wc						.50	.50
		PDI-835-3	≤2.0 & > 0[1] in. wc						.40	.40
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF852) ΔP	[1]PDI-815-1	≤2.0 & > 0[1] in. wc						.28	.28
		PDI-815-2	≤2.0 & > 0[1] in. wc						.58	.58
		PDI-815-4	≤2.0 & > 0[1] in. wc						.51	.51
		PDI-815-5	≤2.0 & > 0[1] in. wc						.51	.51
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF853) ΔP	[1]PDI-816-1	≤2.0 & > 0[1] in. wc						STBY	STBY
		PDI-816-2	≤2.0 & > 0[1] in. wc						STBY	STBY
		PDI-816-4	≤2.0 & > 0[1] in. wc						STBY	STBY
		PDI-816-5	≤2.0 & > 0[1] in. wc						STBY	STBY

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 3 of 5)

			Date:						6-1-19	6-2-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:						PT	PT
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF850) ΔP	[1]PDI-812-1	≤2.0 & > 0[1] in. wc						.13	.13
		PDI-812-2	≤2.0 & > 0[1] in. wc						.30	.30
		PDI-812-3	≤2.0 & > 0[1] in. wc						.29	.30
		PDI-812-4	≤2.0 & > 0[1] in. wc						.29	.29
		PDI-812-5	≤2.0 & > 0[1] in. wc						.32	.32
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF851) ΔP	[1]PDI-813-1	≤2.0 & > 0[1] in. wc						STBY	STBY
		PDI-813-2	≤2.0 & > 0[1] in. wc						STBY	STBY
		PDI-813-3	≤2.0 & > 0[1] in. wc						STBY	STBY
		PDI-813-4	≤2.0 & > 0[1] in. wc						STBY	STBY
		PDI-813-5	≤2.0 & > 0[1] in. wc						STBY	STBY
4.1.3.4[2]	IFIT exhaust filter plenum (FF-865) ΔP	[1]PDI-865-1	≤2.0 & > 0[1] in. wc						.02	.02
		PDI-865-2	≤2.0 & > 0[1] in. wc						.35	.35
		PDI-865-3	≤2.0 & > 0[1] in. wc						.31	.31
4.1.3.4[2]	IFIT supply filter plenum (HVP-863) ΔP	[1]PDI-863-1	≤2.0 & > 0[1] in. wc						.12	.11
		PDI-863-2	≤2.0 & >0[1] in. wc						.31	.31

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 4 of 5)

			Date:						6-1-19	6-2-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:						PT	PT
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS**						
4.1.3.4[2]	North Basement supply filter plenum (HVP-840) ΔP	[1]PDI-857-1	≤ 2.0 & > 0[1] in. wc						.11	.11
		PDI-857-2	≤2.0 & > 0[1] in. wc						.45	.47
4.1.3.4[2]	North corridor supply filter plenum (HVP-809) ΔP	[1]PDI-856-1	≤2.0 & > 0[1] in. wc						.06	.06
		PDI-856-2	≤2.0 & > 0[1] in. wc						.59	.59
[1]NA	**Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C**		**0 lb/ft² combustibles in designated exclusion area (within 15 feet of fans)**						SAT	SAT
4.3.2.2[2]	Room 201		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less						SAT	SAT
4.3.2.2[2]	Room 204		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less						SAT	SAT

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 5 of 5)

			Date:						6-1-19	6-2-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:						PT	PT
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS						
4.3.2.2[2]	Room 206		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less						SAT	SAT
4.3.2.2[2]	Room 207		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less						SAT	SAT
			Completion time						0740	0730
			OC Operator Review and Page Count Complete (initials)						CM	CM
			OCS Daily Review Sign off (initials)						a	MJV

[1] Non TSR requirement

[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR's 4.1.3.4 and 4.3.2.2 apply during both Mode 1 and Mode 2.

Note: Rooms 201, 206 & 207 **must be** entered for surveillance even if they are red lit, room 204 can be viewed through the window. Notify the Operations Center of any rooms that are unable to be entered for the performance of rounds, Operations Center will make a logbook entry recording the room(s) and reason(s) for non-entry. Document in the comments section any room(s) and reason(s) they were unable to be entered for rounds.

Completed by: Paul Trujillo Date 6-2-19 Time 0740 Reviewed by: _____ Date: 6/7/2019 Time: 1155

On-duty Supervisor

Comments: _____

For Information Only

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 1 of 3)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

Note
Gauge readings should be taken on rack #4 in the OC. whenever possible. Document if alternate PDIs are used.

			Date:	6/3/19		6/4/19		6/5/19		6/6/19		6/7/19		6/8/19		6/9/19	
			Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
			Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
			Initials:	M	[illegible]	M	[illegible]	[illegible]	JSL	[illegible]	BC	[illegible]	ABJ	M	ABJ	M	[illegible]
SRs	**Description**	**Gauge Acceptance Criteria**		**SURVEILLANCE RESULTS (in. wc)**													
4.1.1.1 4.1.2.1[2]	200 area glovebox exhaust header ΔP	PDI-814-1 or PDI-814-2	≤-1.0 in. wc[1]	-2.00	-2.00	-1.99	-2.02	-2.00	-1.99	-2.01	-2.00	-2.00	-2.00	-2.00	-2.01	-2.00	-1.99
	100 area glovebox exhaust header ΔP	PDI-820-1 or PDI-820-2	≤-1.0 in. wc[1]	-1.93	-1.93	-1.94	-1.93	-1.92	-1.93	-1.91	-1.93	-1.94	-1.93	-1.97	-1.93	-1.93	-1.92
	300 area glovebox exhaust header ΔP	PDI-870-1 or PDI-870-2	≤-1.0 in. wc[1]	-2.05	-2.10	-2.10	-2.10	-2.09	-2.07	-2.07	-2.05	-2.09	-2.07	-2.06	-2.07	-2.06	-2.05
	400 area glovebox exhaust header ΔP	PDI-864-1 or PDI-864-2	≤-1.0 in. wc[1]	-2.02	-2.02	-2.02	-2.04	-2.01	-2.02	-2.02	-2.01	-2.03	-2.02	-2.02	-2.03	-2.02	-2.02
4.1.1.2 4.1.1.5 4.1.2.2[2]	200 area laboratory header ΔP	PDI-803-1 or PDI-803-2	≤-0.05 in. wc[1]	-.21	-.21	-.21	-.21	-.21	-0.18	-0.19	-.20	-.20	-.20	-.11	-.22	-.21	-.21
	100 area laboratory header ΔP	PDI-802-1 or PDI-802-2	≤-0.05 in. wc[1]	-.26	-.27	-.23	-.27	-.26	-0.20	-0.26	-.26	-.26	-.26	-.14	-.27	-.27	-.28
	300 area laboratory header ΔP	PDI-853-1 or PDI-853-2	≤-0.05 in. wc[1]	-.20	-.20	-.20	-.19	-.19	-0.19	-0.20	-.20	-.20	-.20	-.20	-.20	-.20	-.20
	400 area laboratory header ΔP	PDI-852-1 or PDI-852-2	≤-0.05 in. wc[1]	-.20	-.20	-.20	-.19	-.19	-0.19	-0.20	-.20	-.19	-.19	-.20	-.20	-.19	-.20
	IFIT Facility ΔP	PDI-865-4 or PDI-865-5	≤-0.05 in. wc	-.15	-.15	-.15	-.15	-.15	-0.15	-0.15	-.15	-.15	-.15	-.08	-.15	-.15	-.15
4.1.1.3 4.1.2.3[2]	North basement ΔP	PDI-804-1 or PDI-804-2	< 0.00 in. wc	-.09	-.09	-.09	-.09	-.09	-0.09	-0.09	-.09	-.09	-.09	-.09	-.09	-.09	-.10
	South basement ΔP	PDI-854-1 or PDI-854-2	< 0.00 in. wc	-.08	-.08	-.08	-.09	-.09	-0.08	-0.09	-.08	-.08	-.08	-.09	-.09	-.08	-.10
	IRT Tunnel ΔP	PDT-901 or PDI-901	< 0.00 in. wc	-.100	-.089	-.093	-.093	-.094	-0.105	-0.090	-.105	-.094	-.092	-.107	-.103	-.103	-.103

For Information Only

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 2 of 3)

Note: Readings should be taken using FCS screens FMT#151,152,201LD and 202LD. Field verification and local plenum PDI's may be used if FCS is unavailable.				Date:	6/3/19		6/4/19		6/5/19		6/6/19		6/7/19		6/8/19		6/9/19	
				Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
				Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
				Initials:	M	[illegible]	M	[illegible]	[illegible]	JSL	[illegible]	[illegible]	[illegible]	ARJ	M	ARJ	M	[illegible]
SRs	**Description**	**Readings**	**Acceptance Criteria**	**SURVEILLANCE RESULTS Sat / Unsat (circle one)**														
4.1.1.6	**200 area re-circulation fan/ plenum**	FR-801 Icon red and PDT-831 ΔP >.050 or FR-802 Icon red and PDT-832 ΔP >.050	At least one fan/plenum is in service	Sat / Unsat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	~~Sat~~ 6/8/19	~~Sat~~	Sat	Sat
					Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat
	100 area re-circulation fan/ plenum	FR-803 Icon red and PDT-833 ΔP >.050 or FR-804 Icon red and PDT-835 ΔP >.050	At least one fan/plenum is in service	Sat / Unsat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat 6/8/19	Sat	Sat	Sat
					Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat
	300 area re-circulation fan/ plenum	FR-805 Icon red and PDT-836 ΔP >.050 or FR-806 Icon red and PDT-837 ΔP >.050	At least one fan/plenum is in service	Sat / Unsat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat
					Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat
	400 area re-circulation fan/ plenum	FR-807 Icon red and PDT-838 ΔP >.050 or FR-808 Icon red and PDT-839 ΔP >.050	At least one fan/plenum is in service	Sat / Unsat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat
					Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat
	Vault re-circulation fan/ plenum	FR-811 Icon red and PDT-840 ΔP >.050 or FR-812 Icon red and PDT-841 ΔP >.050	At least one fan/plenum is in service	Sat / Unsat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat
					Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat

NUO Distribution Only

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

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Note
Gauge readings should be taken on rack #4 in the OC when possible, local PDI equivalents may be used if necessary. Document any alternate PDIs used.

				Date:	6/3/19		6/4/19		6/5/19		6/6/19		6/7/19		6/8/19		6/9/19	
				Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
				Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
				Initials:	M	[illegible]	M	[illegible]	[illegible]	JSL	[illegible]	BC	[illegible]	ABJ	M	ABJ	M	[illegible]
SRs	**Description**	**Area**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS** Sat / Unsat (circle one)													
4.1.1.4	Glovebox exhaust header ΔPs < laboratory ΔPs < basement ΔPs for areas 100, 200, 300 and 400	200 Area	PDI-814-2 PDI-803-2 PDI-804-2	PDI-814-2 < PDI-803-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		100 Area	PDI-820-2 PDI-802-2 PDI-804-2	PDI-820-2 < PDI-802-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		300 Area	PDI-870-2 PDI-853-2 PDI-854-2	PDI-870-2 < PDI-853-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		400 Area	PDI-864-2 PDI-852-2 PDI-854-2	PDI-864-2 < PDI-852-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		Completion Time			0729	1931	0730	1927	0718	1921	0917	1916	0735	1930	0731	1929	0731	1930
		OCS Daily Review Sign off (initials)			MJW	[illegible]	MJW	[illegible]	MJW	[illegible]	[illegible]	[illegible]	[illegible]	6/8/19 ABJ MJW	MJW	MJW	MJW	MJW

[1] Mode 2 acceptance criteria is < 0.00 in. wc.
[2] SRs 4.1.2.x only apply during Mode 2 in accordance with LCO 3.1.2.

Completed by: [illegible] Date 6/1/19 Time 1930 Reviewed by: _____ Date: 6/10/2019 Time: 1127
On-duty Supervisor

Comments: HARDWIRE SHUTDOWN OF N. SIDE 6/8

Audio Recording
For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

SR 4.4.1.1, The OPERABILITY acceptance criterion for this surveillance is:
The FLAMMABLE GAS detector in the FSTF FLAMMABLE GAS SOURCE storage cabinet is exposed to the ambient atmosphere in the storage cabinet. The gas concentration readout directly on the detector in the storage cabinet is compared with the gas concentration readout on the system control and alarm panel. The difference between the two readings is checked to VERIFY it is in the range of (≥-0.1; ≤0.1).

		Date:	6-3-19	6-4-19	6-5-19	6/6/19	6/7/19	6/8/19	6/9/19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	PT	MB	PT			DH	DH
SR 4.4.1.1	Description / Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (percentage)						
	Flammable Gas Channel Check DET-305-3 (LCD Reading)	NA	005	005	005	005	005	005	005
	CP-305-H (LED Reading)		005	005	005	005	005	005	005
	(DET-305-3) – (CP-305H) (LCD Reading) (LED Reading)	Record Calculated Value	005	005	005	005	005	005	005
		≥ -0.1; ≤+0.1	Sat / Unsat	Sat / Unsat	Sat / Unsat	Sat / Unsat	Sat / Unsat	Sat / Unsat	Sat / Unsat
			005	005	005	005	005	005	005
		Completion Time:	0754	0924	0720	0720	0701	0635	0701

For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side)[UET]

(Page 2 of 4)

			Date:	6-3-19	6-4-19	6-5-19	6/6/19	6/7/19	6/8/19	6/9/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	[illegible]	PT	[illegible]	[illegible]	DH	DH
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	South basement supply filter plenum (HVP-841) ΔP	[1]PDI-894-1	≤2.0 & > 0[1] in. wc	.04	.05	.05	.04	.04	.04	.04
		PDI-894-2	≤2.0 & > 0[1] in. wc	.42	.45	.45	.43	.44	.45	.46
4.1.3.4[2]	South Corridor supply (HVP-810) ΔP	[1]PDI-895-1	≤2.0 & > 0[1] in. wc	.06	.06	.06	.06	.06	.06	.06
		PDI-895-2	≤2.0 & > 0[1] in. wc	.75	.76	.68	.69	.69	.69	.70
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF854) ΔP	[1]PDI-817-1	≤2.0 & > 0[1] in. wc	STBY	STBY	.29	.30	.30	.30	.30
		PDI-817-2	≤2.0 & > 0[1] in. wc	STBY	STBY	.31	.31	.31	.31	.31
		PDI-817-4	≤2.0 & > 0[1] in. wc	STBY	STBY	.32	.32	.33	.32	.32
		PDI-817-5	≤2.0 & > 0[1] in. wc	STBY	STBY	.31	.31	.31	.31	.31
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF858) ΔP	PDI-81 9-1	≤2.0 & > 0[1] in. wc	STBY	STBY	.45	.45	.45	.44	.44
		PDI-81 9-3	≤2.0 & > 0[1] in. wc	STBY	STBY	.44	.46	.46	.46	.46
		PDI-819-4	≤2.0 & > 0[1] in. wc	STBY	STBY	.39	.40	.40	.40	.40
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF855) ΔP	[1]PDI-818-1	≤2.0 & > 0[1] in. wc	.25	.25	STBY	STBY	STBY	STBY	STBY
		PDI-818-2	≤2.0 & > 0[1] in. wc	.30	.30	STBY	STBY	STBY	STBY	STBY
		PDI-818-4	≤2.0 & > 0[1] in. wc	.30	.29	STBY	STBY	STBY	STBY	STBY
		PDI-818-5	≤2.0 & > 0[1] in. wc	.30	.31	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF859) ΔP	PDI-821-1	≤2.0 & > 0[1] in. wc	.41	.41	STBY	STBY	STBY	STBY	STBY
		PDI-821-3	≤2.0 & > 0[1] in. wc	.45	.46	STBY	STBY	STBY	STBY	STBY
		PDI-821-4	≤2.0 & > 0[1] in. wc	.41	.41	STBY	STBY	STBY	STBY	STBY

Uncontrolled Document

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 3 of 4)

			Date:	6-3-19	6-4-19	6-5-19	6/6/19	6/7/19	6/8/19	6/9/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	[illegible]	PT	[illegible]	[illegible]	[illegible]	[illegible]
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF856) ΔP	[1]PDI-822-1	≤2.0 & > 0[1] in. wc	STBY	STBY	.12	.12	.12	.12	.12
		PDI-822-2	≤2.0 & > 0[1] in. wc	STBY	STBY	.59	.59	.59	.59	.59
		PDI-822-4	≤2.0 & > 0[1] in. wc	STBY	STBY	.42	.44	.44	.42	.42
		PDI-822-5	≤2.0 & > 0[1] in. wc	STBY	STBY	.58	.58	.58	.58	.58
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF857) ΔP	[1]PDI-823-1	≤2.0 & > 0[1] in. wc	.06	.06	STBY	STBY	STBY	STBY	STBY
		PDI-823-2	≤2.0 & > 0[1] in. wc	.59	.58	STBY	STBY	STBY	STBY	STBY
		PDI-823-4	≤2.0 & > 0[1] in. wc	.49	.49	STBY	STBY	STBY	STBY	STBY
		PDI-823—5	≤2.0 & > 0[1] in. wc	.61	.62	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	South Basement exhaust filter plenum (FF-829) ΔP	[1]PDI-830-1	≤2.0 & > 0[1] in. wc	.24	.28	.27	.27	.27	.14	.28
		PDI-830-2	≤2.0 & > 0[1] in. wc	.12	.14	.12	.13	.13	.10	.14
		PDI-830-3	≤2.0 & > 0[1] in. wc	.11	.11	.12	.12	.12	.09	.12
4.1.1.7[2]	300 area re-circulation filter plenum (HVP-805) ΔP	[1]PDI-836-1	≤2.0 & > 0[1] in. wc	.07	.07	.07	.07	.07	.07	.07
		PDI-836-2	≤2.0 & > 0[1] in. wc	.65	.65	.65	.65	.65	.65	.65
		PDI-836-3	≤2.0 & > 0[1] in. wc	.66	.66	.63	.64	.64	.65	.66
	300 area re-circulation filter plenum (HVP-806) ΔP	[1]PDI-837-1	≤2.0 & > 0[1] in. wc	.04	.04	.04	.04	.04	.04	.04
		PDI-837-2	≤2.0 & > 0[1] in. wc	.48	.48	.49	.49	.49	.49	.49
		PDI-837-3	≤2.0 & > 0[1] in. wc	.45	.44	.48	.43	.48	.42	.42

For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 4 of 4)

			Date:	6-3-19	6-4-19	6-5-19	6/6/19	6/7/19	6/8/19	6/9/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	AMS	PT			DH	DH
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.1.7[2]	400 area re-circulation filter plenum (HVP-807) ΔP	[1]PDI-838-1	≤2.0 & > 0[1] in. wc	.56	.56	.56	.56	.56	.56	.56
		PDI-838-2	≤2.0 & > 0[1] in. wc	.60	.60	.59	.59	.59	.59	.59
		PDI-838-3	≤2.0 & > 0[1] in. wc	.60	.59	.59	.59	.59	.60	.59
	400 area re-circulation filter plenum (HVP-808) ΔP	[1]PDI-839-1	≤2.0 & > 0[1] in. wc	.41	.42	.40	.40	.40	.41	.41
		PDI-839-2	≤2.0 & > 0[1] in. wc	.52	.52	.54	.52	.52	.52	.52
		PDI-839-3	≤2.0 & > 0[1] in. wc	.52	.52	.52	.54	.54	.52	.52
4.1.3.4[2]	South Bleed off filter plenum (FF-822A) ΔP	[1]PDI-810-1	≤2.0 & > 0[1] in. wc	.16	.17	OFF	off	.16	.18	.16
		PDI-810-2	≤2.0 & > 0[1] in. wc	.56	.58	OFF	off	.52	.60	.52
		PDI-810-3	≤2.0 & > 0[1] in. wc	.51	.51	OFF	off	.51	.56	.51
4.1.3.4[2]	South Bleed off filter plenum (FF-822B) ΔP	[1]PDI -811 - 1	≤2.0 & > 0[1] in. wc	OFF	OFF	.12	.13	off	OFF	OFF
		PDI -811 -2	≤2.0 & > 0[1] in. wc	OFF	OFF	.51	.56	off	OFF	OFF
		PDI -811 -3	≤2.0 & > 0[1] in. wc	OFF	OFF	.51	.55	off	OFF	OFF
			Completion Time	0815	0935	0754	0810	0730	0740	0757
OC Operator Review and Page Count Complete (initials)				MM	MM	a	a	MM	MM	MM
OCS Daily Review Sign off (initials)				MJW	MJW	MJW	[illegible]	a	a	MJW

[1] Non TSR requirement

[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR 4.1.3.4 apply during both Mode 1 and Mode 2 as stated in LCO 3.1.3.

Completed by: [signature] Date 6/9/19 Time 0757 Reviewed by: [signature] Date: 6/10/2019 Time: 1131

On-duty Supervisor

Comments _____

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 1 of 5)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

			Date:	6-3-19	6-4-19	6-5-19	6/6/19	6/7/19	6/8/19	6/9/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	AAS	PT	[illegible]	[illegible]	DH	DH
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.1.7[2]	Vault re-circulation filter plenum (HVP-811) ΔP Vault re-circulation filter plenum (HVP-812) ΔP	[1]PDI-840-1	≤2.0 & > 0[1] in. wc	.17	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-840-2	≤2.0 & > 0 in[1]. wc	.58	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-840-3	≤2.0 & > 0[1] in. wc	.51	STBY	STBY	STBY	STBY	STBY	STBY
		[1]PDI-841-1	≤2.0 & > 0[1] in. wc	STBY	.47	.47	.47	.46	.47	.47
		PDI-841-2	≤2.0 & > 0[1] in. wc	STBY	.56	.58	.58	.58	.58	.58
		PDI-841-3	≤2.0 & > 0[1] in. wc	STBY	.51	.51	.51	.51	.51	.51
	200 area re-circulation filter plenum (HVP-801) ΔP	[1]PDI-831-1	≤2.0 & > 0[1] in. wc	.35	.39	.34	.34	.34	.34	.34
		PDI-831-2	≤2.0 & > 0[1] in. wc	.41	.42	.44	.42	.42	.42	.42
		PDI-831-3	≤2.0 & > 0[1] in. wc	.40	.35	.41	.41	.41	.40	.40
	200 area re-circulation filter plenum (HVP-802) ΔP	[1]PDI-832-1	≤2.0 & > 0[1] in. wc	.48	.48	.48	.47	.47	.47	.47
		PDI-832-2	≤2.0 & > 0[1] in. wc	.69	.66	.68	.68	.66	.68	.68
		PDI-832-3	≤2.0 & > 0[1] in. wc	.61	.61	.61	.61	.61	.61	.61
4.1.3.4[2]	North Bleed off filter plenum (FF-820A) ΔP	[1]PDI-807-1	≤2.0 & > 0[1] in. wc	.13	OFF	OFF	OFF	.12	.12	.12
		PDI-807-2	≤2.0 & > 0[1] in. wc	.54	OFF	OFF	OFF	.52	.52	.54
		PDI-807-3	≤2.0 & > 0[1] in. wc	.51	OFF	OFF	OFF	.50	.50	.51
4.1.3.4[2]	North Bleed off filter plenum (FF-820B) ΔP	[1]PDI-809-1	≤2.0 & > 0[1] in. wc	OFF	.08	.08	.07	OFF	OFF	OFF
		PDI-809-2	≤2.0 & > 0[1] in. wc	OFF	.51	.52	.51	OFF	OFF	OFF
		PDI-809-3	≤2.0 & > 0[1] in. wc	OFF	.51	.51	.51	OFF	OFF	OFF

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 2 of 5)

			Date:	6-3-19	6-4-19	6-5-19	6/6/19	6/7/19	6/8/19	6/9/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	AMS	PT	[illegible]	[illegible]	DH	DH
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	North Basement exhaust filter plenum (FF-828) ΔP	[1]PDI-829-1	≤2.0 & > 0[1] in. wc	.35	.32	.32	.34	.34	.34	.31
		PDI-829-2	≤2.0 & > 0[1] in. wc	.51	.50	.52	.50	.49	.49	.48
		PDI-829-3	≤2.0 & > 0[1] in. wc	.41	.40	.41	.40	.40	.40	.39
4.1.1.7[2]	100 area re-circulation filter plenum (HVP-803) ΔP	[1]PDI-833-1	≤2.0 & > 0[1] in. wc	.08	.08	.08	.08	.08	.08	.08
		PDI-833-2	≤2.0 & > 0[1] in. wc	.52	.51	.52	.56	.56	.55	.54
		PDI-833-3	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51	.51	.51	.51
	100 area re-circulation filter plenum (HVP-804) ΔP	[1]PDI-835-1	≤2.0 & > 0[1] in. wc	.05	.05	.05	.05	.05	.05	.05
		PDI-835-2	≤2.0 & > 0[1] in. wc	.50	.50	.50	.50	.50	.50	.50
		PDI-835-3	≤2.0 & > 0[1] in. wc	.50	.50	.50	.50	.50	.50	.50
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF852) ΔP	[1]PDI-815-1	≤2.0 & > 0[1] in. wc	.28	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-815-2	≤2.0 & > 0[1] in. wc	.58	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-815-4	≤2.0 & > 0[1] in. wc	.50	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-815-5	≤2.0 & > 0[1] in. wc	.51	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF853) ΔP	[1]PDI-816-1	≤2.0 & > 0[1] in. wc	STBY	.49	.50	.50	.50	.50	.50
		PDI-816-2	≤2.0 & > 0[1] in. wc	STBY	.59	.60	.61	.61	.60	.60
		PDI-816-4	≤2.0 & > 0[1] in. wc	STBY	.55	.56	.56	.57	.57	.57
		PDI-816-5	≤2.0 & > 0[1] in. wc	STBY	.58	.59	.59	.59	.59	.59

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 3 of 5)

			Date:	6-3-19	6-4-19	6-5-19	6/6/19	6/7/19	6/8/19	6/9/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	DDS	PT			DH	DH
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF850) ΔP	[1]PDI-812-1	≤2.0 & > 0[1] in. wc	.13	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-812-2	≤2.0 & > 0[1] in. wc	.30	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-812-3	≤2.0 & > 0[1] in. wc	.30	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-812-4	≤2.0 & > 0[1] in. wc	.29	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-812-5	≤2.0 & > 0[1] in. wc	.32	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF851) ΔP	[1]PDI-813-1	≤2.0 & > 0[1] in. wc	STBY	.05	.05	.08	.08	.08	.08
		PDI-813-2	≤2.0 & > 0[1] in. wc	STBY	.21	.21	.23	.23	.24	.24
		PDI-813-3	≤2.0 & > 0[1] in. wc	STBY	.28	.28	.19	.19	.29	.30
		PDI-813-4	≤2.0 & > 0[1] in. wc	STBY	.21	.21	.28	.28	.28	.28
		PDI-813-5	≤2.0 & > 0[1] in. wc	STBY	.28	.25	.30	.30	.30	.30
4.1.3.4[2]	IFIT exhaust filter plenum (FF-865) ΔP	[1]PDI-865-1	≤2.0 & > 0[1] in. wc	.02	.02	.02	.02	.02	.02	.02
		PDI-865-2	≤2.0 & > 0[1] in. wc	.36	.36	.36	.38	.37	.38	.38
		PDI-865-3	≤2.0 & > 0[1] in. wc	.31	.30	.32	.32	.33	.32	.32
4.1.3.4[2]	IFIT supply filter plenum (HVP-863) ΔP	[1]PDI-863-1	≤2.0 & > 0[1] in. wc	.06	.06	.06	.06	.06	.05	.05
		PDI-863-2	≤2.0 & >0[1] in. wc	.31	.31	.31	.31	.31	.31	.31

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 4 of 5)

			Date:	6-3-19	6-4-19	6-5-19	6/6/19	6/7/19	6/8/19	6/9/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	MAS	PT			DH	DH
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS						
4.1.3.4[2]	North Basement supply filter plenum (HVP-840) ΔP	[1]PDI-857-1	≤ 2.0 & > 0[1] in. wc	.10	.11	.11	.11	.11	.11	.11
		PDI-857-2	≤2.0 & > 0[1] in. wc	.46	.42	.42	.43	.43	.42	.43
4.1.3.4[2]	North corridor supply filter plenum (HVP-809) ΔP	[1]PDI-856-1	≤2.0 & > 0[1] in. wc	.05	.06	.06	.06	.06	.06	.06
		PDI-856-2	≤2.0 & > 0[1] in. wc	.60	.60	.60	.59	.59	.60	.60
[1]NA	Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C		0 lb/ft² combustibles in designated exclusion area (within 15 feet of fans)	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 201		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 204		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 5 of 5)

			Date:	6-3-19	6-4-19	6-5-19	6/6/19	6/7/19	6/8/19	6/9/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	AMS	PT			DH	DH
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS						
4.3.2.2[2]	Room 206		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 207		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
			Completion time	0834	1129	1118	0810	0800	0720	0740
			OC Operator Review and Page Count Complete (initials)	M	M				M	M
			OCS Daily Review Sign off (initials)	MJW	MJW	MJW				MJW

[1] Non TSR requirement

[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR's 4.1.3.4 and 4.3.2.2 apply during both Mode 1 and Mode 2.

Note: Rooms 201, 206 & 207 **must be** entered for surveillance even if they are red lit, room 204 can be viewed through the window. Notify the Operations Center of any rooms that are unable to be entered for the performance of rounds, Operations Center will make a logbook entry recording the room(s) and reason(s) for non-entry. Document in the comments section any room(s) and reason(s) they were unable to be entered for rounds.

Completed by: [signature] Date 6/9/19 Time 0740 Reviewed by: [signature] On-duty Supervisor Date: 6/10/2019 Time: 1132

Comments: 4.1.3.4[2] & 4.1.3.4[2] Room is red lit have RCT support at 1100 to complete. 6/4/2019 AMS Extension was put in place by ops center to complete steps SRs 6-4-19 AMS

For Information Only

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 1 of 3)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

Note: Gauge readings should be taken on rack #4 in the OC. whenever possible. Document if alternate PDIs are used.		Date:	06-10-19		06-11-19		06-12-19		6/13/19		06-14-19		6-15-19		6-16-19	
		Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
		Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
		Initials:	BC	[illegible]	BC	[illegible]	BC	ADJ	M	ARJ	BC	[illegible]	DDL	[illegible]	JSC	[illegible]
SRs	**Description**	**Gauge Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**													
4.1.1.1 4.1.2.1[2]	200 area glovebox exhaust header ΔP	PDI-814-1 or PDI-814-2 ≤-1.0 in. wc[1]	-2.01	-2.01	-2.00	-2.00	-1.99	-1.98	-2.02	-2.01	-2.02	-2.01	-1.99	-1.99	-2.00	-2.00
	100 area glovebox exhaust header ΔP	PDI-820-1 or PDI-820-2 ≤-1.0 in. wc[1]	-1.94	-1.93	-1.93	-1.92	-1.93	-1.94	-1.92	-1.92	-1.93	-1.93	-1.93	-1.93	-1.94	-1.94
	300 area glovebox exhaust header ΔP	PDI-870-1 or PDI-870-2 ≤-1.0 in. wc[1]	-2.06	-2.05	-2.06	-2.07	-2.06	-2.06	-2.05	-2.05	-2.07	-2.05	-2.11	-2.11	-2.10	-2.13
	400 area glovebox exhaust header ΔP	PDI-864-1 or PDI-864-2 ≤-1.0 in. wc[1]	-2.03	-2.01	-2.04	-2.03	-2.02	-2.02	-2.03	-2.02	-2.03	-2.01	-2.02	-2.02	-2.02	-2.03
4.1.1.2 4.1.1.5 4.1.2.2[2]	200 area laboratory header ΔP	PDI-803-1 or PDI-803-2 ≤-0.05 in. wc[1]	-.21	-.21	-.20	-.22	-.20	-.21	-.21	-.21	-.21	-.22	-.22	-0.22	-.21	-0.22
	100 area laboratory header ΔP	PDI-802-1 or PDI-802-2 ≤-0.05 in. wc[1]	-.27	-.27	-.26	-.28	-.26	-.27	-.27	-.28	-.26	-.27	-.27	-0.27	-.27	-0.27
	300 area laboratory header ΔP	PDI-853-1 or PDI-853-2 ≤-0.05 in. wc[1]	-.20	-.20	-.20	-.20	-.20	-.19	-.20	-.21	-.20	-.20	-.20	-0.20	-.20	-0.18
	400 area laboratory header ΔP	PDI-852-1 or PDI-852-2 ≤-0.05 in. wc[1]	-.20	-.20	-.20	-.19	-.18	-.19	-.20	-.21	-.20	-.20	-.20	-0.19	-.19	-0.18
	IFIT Facility ΔP	PDI-865-4 or PDI-865-5 ≤-0.05 in. wc	-.15	-.15	-.15	-.14	-.15	-.15	-.15	-.15	-.15	-.15	-.15	-0.15	-.15	-0.15
4.1.1.3 4.1.2.3[2]	North basement ΔP	PDI-804-1 or PDI-804-2 < 0.00 in. wc	-.09	-.09	-.10	-.09	-.09	-.09	-.09	-.09	-.09	-.01	-.09	-0.09	-.09	-0.05
	South basement ΔP	PDI-854-1 or PDI-854-2 < 0.00 in. wc	-.08	-.08	-.08	-.08	-.08	-.08	-.08	-.08	-.08	-.08	-.09	-0.08	-.08	-0.08
	IRT Tunnel ΔP	PDT-901 or PDI-901 < 0.00 in. wc	-.104	-.091	-.101	-.093	-.090	-.087	-.099	-.083	-.100	-.087	-.088	-0.092	-.088	-0.084

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ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 2 of 3)

Note Readings should be taken using FCS screens FMT#151,152,201LD and 202LD. Field verification and local plenum PDI's may be used if FCS is unavailable.			Date:	06-10-19		06-11-19		06-12-19		6/13/19		06-14-19		6-15-19		6-16-19	
			Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
			Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
			Initials:	BC	[illegible]	BC	[illegible]	BC	AM	M	AM	BC	[illegible]	JSC	[illegible]	JSC	[illegible]
SRs	**Description**	**Readings**	**Acceptance Criteria**	**SURVEILLANCE RESULTS Sat / Unsat (circle one)**													
4.1.1.6	**200 area re-circulation fan/ plenum**	FR-801 Icon red and PDT-831 ΔP >.050 or FR-802 Icon red and PDT-832 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	100 area re-circulation fan/ plenum	FR-803 Icon red and PDT-833 ΔP >.050 or FR-804 Icon red and PDT-835 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	300 area re-circulation fan/ plenum	FR-805 Icon red and PDT-836 ΔP >.050 or FR-806 Icon red and PDT-837 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	400 area re-circulation fan/ plenum	FR-807 Icon red and PDT-838 ΔP >.050 or FR-808 Icon red and PDT-839 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	Vault re-circulation fan/ plenum	FR-811 Icon red and PDT-840 ΔP >.050 or FR-812 Icon red and PDT-841 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat

For Information Only

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 3 of 3)

Note
Gauge readings should be taken on rack #4 in the OC when possible, local PDI equivalents may be used if necessary. Document any alternate PDIs used.

				Date:	06-10-19		06-11-19		06-12-19		6/13/19		06-14-19		6-15-19		6-16-19	
				Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
				Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
				Initials:	BC	[illegible]	BC	[illegible]	BC	APJ	M	APJ	BC	[illegible]	JSC	[illegible]	JSC	[illegible]
SRs	**Description**	**Area**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS Sat / Unsat (circle one)**													
4.1.1.4	Glovebox exhaust header ΔPs < laboratory ΔPs < basement ΔPs for areas 100, 200, 300 and 400	200 Area	PDI-814-2 PDI-803-2 PDI-804-2	PDI-814-2 < PDI-803-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		100 Area	PDI-820-2 PDI-802-2 PDI-804-2	PDI-820-2 < PDI-802-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		300 Area	PDI-870-2 PDI-853-2 PDI-854-2	PDI-870-2 < PDI-853-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		400 Area	PDI-864-2 PDI-852-2 PDI-854-2	PDI-864-2 < PDI-852-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		Completion Time			0717	1917	0715	1916	0715	1922	0732	1926	0711	1914	0717	1915	0722	1912
		OCS Daily Review Sign off (initials)			MJW	MJW	MJW	MJW	MJW	MJW	MJW	[illegible]	[illegible]	[illegible]	[illegible]	MJW	MJW	MJW

[1] Mode 2 acceptance criteria is < 0.00 in. wc.
[2] SRs 4.1.2.x only apply during Mode 2 in accordance with LCO 3.1.2.

Completed by: [signature] Date 6/16/19 Time 1912 Reviewed by: [signature] Date: 6/20/19 Time: 1250
On-duty Supervisor

Comments:

For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

SR 4.4.1.1, The OPERABILITY acceptance criterion for this surveillance is:
The FLAMMABLE GAS detector in the FSTF FLAMMABLE GAS SOURCE storage cabinet is exposed to the ambient atmosphere in the storage cabinet. The gas concentration readout directly on the detector in the storage cabinet is compared with the gas concentration readout on the system control and alarm panel. The difference between the two readings is checked to VERIFY it is in the range of (≥-0.1; ≤0.1).

		Date:	6.10.19	6-11-19	6-12-19	6/13/19	6/14/19	6/15/19	6/16/19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	BF	PT	AAS	[illegible]	[illegible]	[illegible]	[illegible]
SR 4.4.1.1	**Description / Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (percentage)**						
	Flammable Gas Channel Check DET-305-3 (LCD Reading)	NA	005	005	005	005	005	005	005
	CP-305-H (LED Reading)		005	005	005	005	005	005	005
	(DET-305-3) – (CP-305H) (LCD Reading) (LED Reading)	Record Calculated Value	005	005	005	005	005	005	005
		≥ -0.1; ≤+0.1	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005
		Completion Time:	0701	0737	0919	0730	0701	0707	0709

For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side)[UET]

(Page 2 of 4)

			Date:	6·10·19	6-11-19	6-12-19	6/13/19	6/14/19	6/15/19	6/16/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BF	PT	AAS	[illegible]	[illegible]	[illegible]	[illegible]
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	South basement supply filter plenum (HVP-841) ΔP	[1]PDI-894-1	≤2.0 & > 0[1] in. wc	.04	.04	.05	.04	.04	.04	.04
		PDI-894-2	≤2.0 & > 0[1] in. wc	.47	.47	.48	.47	.47	.47	.46
4.1.3.4[2]	South Corridor supply (HVP-810) ΔP	[1]PDI-895-1	≤ 2.0 & > 0[1] in. wc	.06	.06	.08	.06	.07	.07	.06
		PDI-895-2	≤2.0 & > 0[1] in. wc	.69	.69	.70	.70	.70	.70	.70
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF854) ΔP	[1]PDI-817-1	≤2.0 & > 0[1] in. wc	.30	.30	.29	.29	.29	.29	.29
		PDI-817-2	≤2.0 & > 0[1] in. wc	.31	.31	.32	.31	.31	.31	.31
		PDI-817-4	≤2.0 & > 0[1] in. wc	.35	.33	.32	.33	.33	.33	.33
		PDI-817-5	≤2.0 & > 0[1] in. wc	.32	.31	.31	.31	.31	.31	.31
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF858) ΔP	PDI-81 9-1	≤2.0 & > 0[1] in. wc	.45	.45	.46	.45	.45	.45	.45
		PDI-81 9-3	≤2.0 & > 0[1] in. wc	.47	.47	.45	.45	.46	.45	.45
		PDI-819-4	≤2.0 & > 0[1] in. wc	.42	.40	.40	.40	.40	.40	.40
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF855) ΔP	[1]PDI-818-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-818-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-818-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-818-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF859) ΔP	PDI-821-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-821-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-821-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY

For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

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Uncontrolled Only

			Date:	6·10·19	6-11-19	6-12-19	6/13/19	6/14/19	6/15/19	6/16/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BE	PT	MAS				
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF856) ΔP	[1]PDI-822-1	≤2.0 & > 0[1] in. wc	.11	.11	.12	.12	.12	.12	.12
		PDI-822-2	≤2.0 & > 0[1] in. wc	.59	.59	.59	.59	.59	.59	.59
		PDI-822-4	≤2.0 & > 0[1] in. wc	.42	.42	.44	.43	.43	.43	.43
		PDI-822-5	≤2.0 & > 0[1] in. wc	.58	.58	.59	.59	.59	.59	.59
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF857) ΔP	[1]PDI-823-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-823-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-823-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-823—5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	South Basement exhaust filter plenum (FF-829) ΔP	[1]PDI-830-1	≤2.0 & > 0[1] in. wc	.34	.28	.13	.31	.28	.26	.26
		PDI-830-2	≤2.0 & > 0[1] in. wc	.18	.14	.10	.15	.15	.15	.15
		PDI-830-3	≤2.0 & > 0[1] in. wc	.17	.12	.09	.12	.12	.12	.12
4.1.1.7[2]	300 area re-circulation filter plenum (HVP-805) ΔP	[1]PDI-836-1	≤2.0 & > 0[1] in. wc	.06	.06	.07	.06	.06	.06	.06
		PDI-836-2	≤2.0 & > 0[1] in. wc	.67	.67	.66	.66	.65	.65	.66
		PDI-836-3	≤2.0 & > 0[1] in. wc	.67	.68	.66	.67	.67	.67	.67
	300 area re-circulation filter plenum (HVP-806) ΔP	[1]PDI-837-1	≤2.0 & > 0[1] in. wc	.21	.04	.04	.04	.04	.04	.04
		PDI-837-2	≤2.0 & > 0[1] in. wc	.48	.49	.49	.48	.48	.48	.48
		PDI-837-3	≤2.0 & > 0[1] in. wc	.45	.42	.44	.43	.43	.43	.43

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 4 of 4)

			Date:	6·10·19	6-11-19	6-12-19	6/13/19	6/14/19	6/15/19	6/16/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BF	PY	AAS	[illegible]	[illegible]	[illegible]	[illegible]
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.1.7[2]	400 area re-circulation filter plenum (HVP-807) ΔP	[1]PDI-838-1	≤2.0 & > 0[1] in. wc	.56	.56	.56	.56	.56	.56	.56
		PDI-838-2	≤2.0 & > 0[1] in. wc	.60	.60	.59	.59	.59	.59	.59
		PDI-838-3	≤2.0 & > 0[1] in. wc	.60	.60	.59	.59	.59	.59	.59
	400 area re-circulation filter plenum (HVP-808) ΔP	[1]PDI-839-1	≤2.0 & > 0[1] in. wc	.41	.41	.41	.41	.41	.41	.41
		PDI-839-2	≤2.0 & > 0[1] in. wc	.53	.53	.52	.52	.52	.52	.52
		PDI-839-3	≤2.0 & > 0[1] in. wc	.53	.53	.52	.52	.52	.52	.52
4.1.3.4[2]	South Bleed off filter plenum (FF-822A) ΔP	[1]PDI-810-1	≤2.0 & > 0[1] in. wc	.17	.17	.16	.16	.16	.16	.16
		PDI-810-2	≤2.0 & > 0[1] in. wc	.55	.55	.55	.52	.52	.52	.52
		PDI-810-3	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51	.51	.51	.51
4.1.3.4[2]	South Bleed off filter plenum (FF-822B) ΔP	[1]PDI -811 - 1	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	off	off	off	off
		PDI -811 -2	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	off	off	off	off
		PDI -811 -3	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	off	off	off	off
			Completion Time	0730	0736	0916	0750	0720	0710	0801
OC Operator Review and Page Count Complete (initials)				JSC BC	BC JSC	BC M	[illegible]	JSC BC	[illegible] BC	BC JSC
OCS Daily Review Sign off (initials)				MJW	MJW	[illegible]	MJW	[illegible]	[illegible]	MJW

[1] Non TSR requirement
[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR 4.1.3.4 apply during both Mode 1 and Mode 2 as stated in LCO 3.1.3.

Completed by: [signature] Date 6/16/19 Time 0801 Reviewed by: [signature] Date: 6/20/2019 Time: 1257

On-duty Supervisor

Comments SR 4.4.1.1 - FLAMMABLE GAS CABINET IS OUT OF SERVICE, FSR INITIATED FOR REPLACEMENT.

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 1 of 5)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

			Date:	6·10·19	6·11·19	6-12-19	6/13/19	6/14/19	6/15/19	6/16/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BF	PT	AAS	[illegible]	[illegible]	[illegible]	[illegible]
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.1.7[2]	Vault re-circulation filter plenum (HVP-811) ΔP Vault re-circulation filter plenum (HVP-812) ΔP	[1]PDI-840-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-840-2	≤2.0 & > 0 in[1]. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-840-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		[1]PDI-841-1	≤2.0 & > 0[1] in. wc	.47	.47	.47	.47	.47	.47	.47
		PDI-841-2	≤2.0 & > 0[1] in. wc	.58	.58	.58	.58	.58	.58	.58
		PDI-841-3	≤2.0 & > 0[1] in. wc	.52	.51	.52	.51	.51	.51	.51
	200 area re-circulation filter plenum (HVP-801) ΔP	[1]PDI-831-1	≤2.0 & > 0[1] in. wc	.35	.35	.35	.35	.35	.35	.35
		PDI-831-2	≤2.0 & > 0[1] in. wc	.42	.42	.42	.42	.42	.42	.42
		PDI-831-3	≤2.0 & > 0[1] in. wc	.40	.40	.40	.40	.40	.40	.40
	200 area re-circulation filter plenum (HVP-802) ΔP	[1]PDI-832-1	≤2.0 & > 0[1] in. wc	.49	.49	.48	.48	.48	.48	.48
		PDI-832-2	≤2.0 & > 0[1] in. wc	.67	.69	.68	.68	.68	.68	.68
		PDI-832-3	≤2.0 & > 0[1] in. wc	.62	.61	.61	.61	.61	.61	.61
4.1.3.4[2]	North Bleed off filter plenum (FF-820A) ΔP	[1]PDI-807-1	≤2.0 & > 0[1] in. wc	.13	.13	.13	.13	.13	.13	.13
		PDI-807-2	≤2.0 & > 0[1] in. wc	.55	.57	.58	.57	.57	.56	.56
		PDI-807-3	≤2.0 & > 0[1] in. wc	.52	.51	.52	.51	.51	.51	.51
4.1.3.4[2]	North Bleed off filter plenum (FF-820B) ΔP	[1]PDI-809-1	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		PDI-809-2	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		PDI-809-3	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 2 of 5)

			Date:	6-10-19	6-11-19	6-12-19	6/13/19	6/14/19	6/15/19	6/16/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BF	PT	ARB				
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.3.4[2]	North Basement exhaust filter plenum (FF-828) ΔP	[1]PDI-829-1	≤2.0 & > 0[1] in. wc	.32	.33	.38	.31	.31	.36	.34
		PDI-829-2	≤2.0 & > 0[1] in. wc	.49	.50	.55	.48	.48	.51	.50
		PDI-829-3	≤2.0 & > 0[1] in. wc	.39	.40	.44	.39	.39	.42	.40
4.1.1.7[2]	100 area re-circulation filter plenum (HVP-803) ΔP	[1]PDI-833-1	≤2.0 & > 0[1] in. wc	.08	.08	.08	.08	.08	.08	.08
		PDI-833-2	≤2.0 & > 0[1] in. wc	.55	.54	.52	.53	.53	.53	.53
		PDI-833-3	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51	.51	.51	.51
	100 area re-circulation filter plenum (HVP-804) ΔP	[1]PDI-835-1	≤2.0 & > 0[1] in. wc	.06	.06	.05	.05	.05	.05	.05
		PDI-835-2	≤2.0 & > 0[1] in. wc	.50	.50	.50	.50	.50	.50	.50
		PDI-835-3	≤2.0 & > 0[1] in. wc	.50	.50	.50	.50	.50	.50	.50
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF852) ΔP	[1]PDI-815-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-815-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-815-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-815-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF853) ΔP	[1]PDI-816-1	≤2.0 & > 0[1] in. wc	.50	.50	.50	.50	.50	.50	.50
		PDI-816-2	≤2.0 & > 0[1] in. wc	.61	.61	.60	.60	.61	.60	.60
		PDI-816-4	≤2.0 & > 0[1] in. wc	.58	.58	.58	.58	.58	.58	.58
		PDI-816-5	≤2.0 & > 0[1] in. wc	.60	.60	.59	.59	.59	.59	.59

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ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

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			Date:	6-10-19	6-11-19	6-12-19	6/13/19	6/14/19	6/15/19	6/16/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BF	PT	AMS				
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF850) ΔP	[1]PDI-812-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-812-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-812-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-812-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-812-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF851) ΔP	[1]PDI-813-1	≤2.0 & > 0[1] in. wc	.07	.07	.09	.09	.09	.06	.08
		PDI-813-2	≤2.0 & > 0[1] in. wc	.25	.25	.26	.25	.25	.21	.22
		PDI-813-3	≤2.0 & > 0[1] in. wc	.30	.30	.30	.31	.31	.23	.25
		PDI-813-4	≤2.0 & > 0[1] in. wc	.29	.29	.29	.29	.29	.21	.28
		PDI-813-5	≤2.0 & > 0[1] in. wc	.31	.31	.30	.30	.31	.27	.30
4.1.3.4[2]	IFIT exhaust filter plenum (FF-865) ΔP	[1]PDI-865-1	≤2.0 & > 0[1] in. wc	.02	.02	.02	.02	.02	.02	.02
		PDI-865-2	≤2.0 & > 0[1] in. wc	.39	.39	.38	.38	.38	.38	.38
		PDI-865-3	≤2.0 & > 0[1] in. wc	.35	.31	.34	.32	.34	.34	.34
4.1.3.4[2]	IFIT supply filter plenum (HVP-863) ΔP	[1]PDI-863-1	≤2.0 & > 0[1] in. wc	.05	.06	.06	.06	.06	.06	.06
		PDI-863-2	≤2.0 & >0[1] in. wc	.31	.31	.32	.32	.32	.32	.32

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 4 of 5)

			Date:	6-10-19	6-11-19	6-12-19	6/13/19	6/14/19	6/15/19	6/16/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BF	PT	AAS				
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS**						
4.1.3.4[2]	North Basement supply filter plenum (HVP-840) ΔP	[1]PDI-857-1	≤ 2.0 & > 0[1] in. wc	.12	.12	.14	.12	.12	.12	.12
		PDI-857-2	≤2.0 & > 0[1] in. wc	.45	.45	.45	.45	.45	.45	.44
4.1.3.4[2]	North corridor supply filter plenum (HVP-809) ΔP	[1]PDI-856-1	≤2.0 & > 0[1] in. wc	.07	.07	.06	.06	.06	.06	.06
		PDI-856-2	≤2.0 & > 0[1] in. wc	.60	.60	.60	.60	.60	.60	.60
[1]NA	**Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C**		**0 lb/ft² combustibles in designated exclusion area (within 15 feet of fans)**	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 201		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 204		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 5 of 5)

			Date:	6·10·19	6·11·19	6-12-19 AMS 6-13-19	6/13/19	6/14/19	6/15/19	6/16/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	OF	PT	AMS				
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS						
4.3.2.2[2]	Room 206		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 207		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
			Completion time	0711	0752	0932	1010	0810	0750	0830
			OC Operator Review and Page Count Complete (initials)	JSL BC	BC JSL	BC M	M M	JSL BC	BC	BC JSL
			OCS Daily Review Sign off (initials)	MJW	MJW		MJW			

[1] Non TSR requirement

[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR's 4.1.3.4 and 4.3.2.2 apply during both Mode 1 and Mode 2.

Note: Rooms 201, 206 & 207 **must be** entered for surveillance even if they are red lit, room 204 can be viewed through the window. Notify the Operations Center of any rooms that are unable to be entered for the performance of rounds, Operations Center will make a logbook entry recording the room(s) and reason(s) for non-entry. Document in the comments section any room(s) and reason(s) they were unable to be entered for rounds.

Completed by: Jerome M. Date 6/16/19 Time 0830 Reviewed by: _____ Date: 6/20/2019 Time: 1251

On-duty Supervisor

Comments: _____

For Training Only

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 1 of 3)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

Note
Gauge readings should be taken on rack #4 in the OC. whenever possible. Document if alternate PDIs are used.

			Date:	6/17/19		6/18/19		06.19.19		06.20.19		6/21/19		6-22-19		6-23-19	
			Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
			Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
			Initials:	M	AM	M	AM	BC	C	BC	C	M	AM	JSC	W	M	AM
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**													
4.1.1.1 4.1.2.1[2]	200 area glovebox exhaust header ΔP	PDI-814-1 or PDI-814-2	≤-1.0 in. wc[1]	-1.99	-2.01	-1.99	-2.01	-2.01	-1.99	-2.01	-1.99	-2.00	-2.00	-1.99	-2.00	-2.01	-2.00
	100 area glovebox exhaust header ΔP	PDI-820-1 or PDI-820-2	≤-1.0 in. wc[1]	-1.93	-1.93	-1.93	-1.93	-1.94	-1.93	-1.93	-1.93	-1.93	-1.93	-1.93	-1.94	-1.93	-1.93
	300 area glovebox exhaust header ΔP	PDI-870-1 or PDI-870-2	≤-1.0 in. wc[1]	-2.10	-2.18	-2.16	-2.18	-2.18	-2.18	-2.18	-2.18	-2.16	-2.18	-2.16	-2.17	-2.17	-2.17
	400 area glovebox exhaust header ΔP	PDI-864-1 or PDI-864-2	≤-1.0 in. wc[1]	-2.03	-2.02	-2.02	-2.05	-1.98	-2.07	-2.03	-2.02	-2.02	-2.05	-2.02	-2.01	-2.03	-2.03
4.1.1.2 4.1.1.5 4.1.2.2[2]	200 area laboratory header ΔP	PDI-803-1 or PDI-803-2	≤-0.05 in. wc[1]	M 6/17/19 ~~-1.9~~ -.19	-.19	-.20	-.19	-.18	-.19	-.19	-.20	-.19	-.20	-.19	-.18	-.19	19
	100 area laboratory header ΔP	PDI-802-1 or PDI-802-2	≤-0.05 in. wc[1]	-.25	-.25	-.25	-.24	-.24	-.25	-.24	-.26	-.25	-.26	-.24	-.24	-.24	24
	300 area laboratory header ΔP	PDI-853-1 or PDI-853-2	≤-0.05 in. wc[1]	-.20	-.21	-.21	-.20	-.19	-.20	-.20	-.20	-.20	-.20	-.20	-.20	-.20	18
	400 area laboratory header ΔP	PDI-852-1 or PDI-852-2	≤-0.05 in. wc[1]	-.20	-.21	-.20	-.19	-.19	-.20	-.19	-.20	-.20	-.20	-.19	-.20	-.19	18
	IFIT Facility ΔP	PDI-865-4 or PDI-865-5	≤-0.05 in. wc	-.15	-.15	-.15	-.14	-.15	-.15	-.15	-.15	-.15	-.15	-.15	-.16	-.15	-.15
4.1.1.3 4.1.2.3[2]	North basement ΔP	PDI-804-1 or PDI-804-2	< 0.00 in. wc	-.09	-.09	-.09	-.08	-.09	-.01	-.10	-.10	-.09	-.09	-.09	-.10	-.09	-.09
	South basement ΔP	PDI-854-1 or PDI-854-2	< 0.00 in. wc	-.08	-.08	-.08	-.08	-.08	-.08	-.09	-.08	-.08	-.08	-.08	-.09	-.08	-.08
	IRT Tunnel ΔP	PDT-901 or PDI-901	< 0.00 in. wc	-.095	-.086	-0.101	-.089	-.102	-.088	-.099	-.102	-.104	-.099	-.103	-.107	-.086	-.096

For Information Only

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 2 of 3)

Note Readings should be taken using FCS screens FMT#151,152,201LD and 202LD. Field verification and local plenum PDI's may be used if FCS is unavailable.			Date:	6/17/19		6/18/19		06.19.19		06-20.19		6/21/19		6-22-19		6-23-19	
			Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
			Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
			Initials:	M	ARJ	M	ARJ	BC	C	BC	C	M	ARJ	JSL	U	M	ARJ
SRs	**Description**	**Readings**	**Acceptance Criteria**	**SURVEILLANCE RESULTS Sat / Unsat (circle one)**													
4.1.1.6	**200 area re-circulation fan/ plenum**	FR-801 Icon red and PDT-831 ΔP >.050 or FR-802 Icon red and PDT-832 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	100 area re-circulation fan/ plenum	FR-803 Icon red and PDT-833 ΔP >.050 or FR-804 Icon red and PDT-835 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	300 area re-circulation fan/ plenum	FR-805 Icon red and PDT-836 ΔP >.050 or FR-806 Icon red and PDT-837 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	400 area re-circulation fan/ plenum	FR-807 Icon red and PDT-838 ΔP >.050 or FR-808 Icon red and PDT-839 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	Vault re-circulation fan/ plenum	FR-811 Icon red and PDT-840 ΔP >.050 or FR-812 Icon red and PDT-841 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat

For Information Only

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 3 of 3)

Note
Gauge readings should be taken on rack #4 in the OC when possible, local PDI equivalents may be used if necessary. Document any alternate PDIs used.

				Date:	6/17/19		6/18/19		06-19-19		06-20-19		6/21/19		6-22-19		6-23-19	
				Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
				Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
				Initials:	M	ABJ	M	ABJ	BC	G	BC	G	M	ABJ	JSC	[illegible]	M	ABJ
SRs	**Description**	**Area**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS Sat / Unsat (circle one)**													
4.1.1.4	Glovebox exhaust header ΔPs < laboratory ΔPs < basement ΔPs for areas 100, 200, 300 and 400	200 Area	PDI-814-2 PDI-803-2 PDI-804-2	PDI-814-2 < PDI-803-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		100 Area	PDI-820-2 PDI-802-2 PDI-804-2	PDI-820-2 < PDI-802-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		300 Area	PDI-870-2 PDI-853-2 PDI-854-2	PDI-870-2 < PDI-853-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		400 Area	PDI-864-2 PDI-852-2 PDI-854-2	PDI-864-2 < PDI-852-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		Completion Time			0727	1923	0733	1930	0714	1914	0715	1914	0732	1929	0730	1930	0727	1929
		OCS Daily Review Sign off (initials)			MJW	JK	JK	JK	MJW	JK	MJW	JK	G	G	G	MJW	MJW	MJW

[1] Mode 2 acceptance criteria is < 0.00 in. wc.
[2] SRs 4.1.2.x only apply during Mode 2 in accordance with LCO 3.1.2.

Completed by: [signature] Date 6/23/19 Time 1929 Reviewed by: [signature] On-duty Supervisor Date: 6/24/2019 Time: 0820

Comments: _____

For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

SR 4.4.1.1, The OPERABILITY acceptance criterion for this surveillance is:
The FLAMMABLE GAS detector in the FSTF FLAMMABLE GAS SOURCE storage cabinet is exposed to the ambient atmosphere in the storage cabinet. The gas concentration readout directly on the detector in the storage cabinet is compared with the gas concentration readout on the system control and alarm panel. The difference between the two readings is checked to VERIFY it is in the range of (≥-0.1; ≤0.1).

		Date:	6·17·19	6/18/19	6·19·19	6/20/19	6/21/19	6-22-19	6-23-19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	BF		BF			PT	PT
SR 4.4.1.1	Description / Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (percentage)						
	Flammable Gas Channel Check DET-305-3 (LCD Reading)	NA	005	005	005	005	005	005	005
	CP-305-H (LED Reading)		005	005	005	005	005	005	005
	(DET-305-3) – (CP-305H) (LCD Reading) (LED Reading)	Record Calculated Value	005	005	005	005	005	005	005
		≥ -0.1; ≤+0.1	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005	Sat / Unsat 005
		Completion Time:	0710	0740	0800	0750	0710	0737	0733

Auto Translation
For Information

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side)[UET]

(Page 2 of 4)

			Date:	6-17-19	6/18/19	6-19-19	6/20/19	6/21/19	6-22-19	6-23-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BF	[illegible]	BF	[illegible]	[illegible]	PT	PT
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	South basement supply filter plenum (HVP-841) ΔP	[1]PDI-894-1	≤2.0 & > 0[1] in. wc	.05	.04	.04	.04	.04	.04	.04
		PDI-894-2	≤2.0 & > 0[1] in. wc	.45	.46	.47	.47	.47	.47	.47
4.1.3.4[2]	South Corridor supply (HVP-810) ΔP	[1]PDI-895-1	≤ 2.0 & > 0[1] in. wc	.07	.06	.07	.06	.06	.08	.08
		PDI-895-2	≤2.0 & > 0[1] in. wc	.70	.69	.69	.70	.70	.70	.70
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF854) ΔP	[1]PDI-817-1	≤2.0 & > 0[1] in. wc	.30	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-817-2	≤2.0 & > 0[1] in. wc	.31	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-817-4	≤2.0 & > 0[1] in. wc	.33	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-817-5	≤2.0 & > 0[1] in. wc	.31	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF858) ΔP	PDI-81 9-1	≤2.0 & > 0[1] in. wc	.45	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-81 9-3	≤2.0 & > 0[1] in. wc	.46	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-819-4	≤2.0 & > 0[1] in. wc	.42	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF855) ΔP	[1]PDI-818-1	≤2.0 & > 0[1] in. wc	STBY	.25	.26	.25	.26	.26	.26
		PDI-818-2	≤2.0 & > 0[1] in. wc	STBY	.31	.31	.31	.31	.31	.31
		PDI-818-4	≤2.0 & > 0[1] in. wc	STBY	.31	.31	.31	.31	.31	.31
		PDI-818-5	≤2.0 & > 0[1] in. wc	STBY	.30	.31	.31	.31	.31	.31
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF859) ΔP	PDI-821-1	≤2.0 & > 0[1] in. wc	STBY	.42	.42	.42	.42	.42	.42
		PDI-821-3	≤2.0 & > 0[1] in. wc	STBY	.45	.45	.45	.45	.45	.45
		PDI-821-4	≤2.0 & > 0[1] in. wc	STBY	.41	.41	.41	.41	.41	.41

For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 3 of 4)

			Date:	6·17·19	6/18/19	6·19·19	6/20/19	6/21/19	6-22-19	6-23-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BF	[illegible]	BF	[illegible]	[illegible]	PT	PT
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF856) ΔP	[1]PDI-822-1	≤2.0 & > 0[1] in. wc	.12	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-822-2	≤2.0 & > 0[1] in. wc	.60	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-822-4	≤2.0 & > 0[1] in. wc	.55	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-822-5	≤2.0 & > 0[1] in. wc	.60	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF857) ΔP	[1]PDI-823-1	≤2.0 & > 0[1] in. wc	STBY	.07	.07	.07	.07	.07	.07
		PDI-823-2	≤2.0 & > 0[1] in. wc	STBY	.59	.58	.59	.59	.60	.60
		PDI-823-4	≤2.0 & > 0[1] in. wc	STBY	.50	.50	.50	.50	.50	.50
		PDI-823—5	≤2.0 & > 0[1] in. wc	STBY	.65	.62	.62	.65	.64	.63
4.1.3.4[2]	South Basement exhaust filter plenum (FF-829) ΔP	[1]PDI-830-1	≤2.0 & > 0[1] in. wc	.26	.27	.30	.26	.30	.30	.26
		PDI-830-2	≤2.0 & > 0[1] in. wc	.15	.15	.18	.15	.15	.14	.13
		PDI-830-3	≤2.0 & > 0[1] in. wc	.12	.12	.15	.12	.12	.12	.12
4.1.1.7[2]	300 area re-circulation filter plenum (HVP-805) ΔP	[1]PDI-836-1	≤2.0 & > 0[1] in. wc	.07	.07	.07	.07	.07	.07	.07
		PDI-836-2	≤2.0 & > 0[1] in. wc	.67	.66	.67	.66	.66	.66	.65
		PDI-836-3	≤2.0 & > 0[1] in. wc	.67	.67	.68	.67	.67	.68	.67
	300 area re-circulation filter plenum (HVP-806) ΔP	[1]PDI-837-1	≤2.0 & > 0[1] in. wc	.04	.04	.04	.04	.04	.04	.04
		PDI-837-2	≤2.0 & > 0[1] in. wc	.49	.49	.49	.49	.49	.49	.49
		PDI-837-3	≤2.0 & > 0[1] in. wc	.45	.43	.45	.43	.43	.43	.42

Auto-generated for LIQUID OXYGEN

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 4 of 4)

			Date:	6·17·19	6/18/19	6·19·19	6/20/19	6/21/19	6-22-19	6-23-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BF	[illegible]	BF	[illegible]	[illegible]	PT	PT
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.1.7[2]	400 area re-circulation filter plenum (HVP-807) ΔP	[1]PDI-838-1	≤2.0 & > 0[1] in. wc	.56	.56	.56	.56	.56	.56	.56
		PDI-838-2	≤2.0 & > 0[1] in. wc	.60	.59	.60	.59	.59	.60	.60
		PDI-838-3	≤2.0 & > 0[1] in. wc	.60	.59	.60	.59	.59	.60	.60
	400 area re-circulation filter plenum (HVP-808) ΔP	[1]PDI-839-1	≤2.0 & > 0[1] in. wc	.40	.40	.40	.40	.40	.40	.40
		PDI-839-2	≤2.0 & > 0[1] in. wc	.53	.53	.53	.53	.53	.53	.53
		PDI-839-3	≤2.0 & > 0[1] in. wc	.53	.52	.52	.52	.52	.52	.52
4.1.3.4[2]	South Bleed off filter plenum (FF-822A) ΔP	[1]PDI-810-1	≤2.0 & > 0[1] in. wc	.16	.17	.16	.16	.16	.16	.17
		PDI-810-2	≤2.0 & > 0[1] in. wc	.55	.58	.55	.56	.55	.51	.58
		PDI-810-3	≤2.0 & > 0[1] in. wc	.51	.53	.52	.52	.51	.55	.52
4.1.3.4[2]	South Bleed off filter plenum (FF-822B) ΔP	[1]PDI -811 - 1	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		PDI -811 -2	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		PDI -811 -3	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
			Completion Time	0820	0850	0830	0820	0730	0732	0718
OC Operator Review and Page Count Complete (initials)				[illegible] M	[illegible] M	BC JSC	BC JSC	[illegible] M	[illegible] JSC	[illegible] M
OCS Daily Review Sign off (initials)				MJW	[illegible]	MJW	MJW	[illegible]	[illegible]	MJW

[1] Non TSR requirement
[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR 4.1.3.4 apply during both Mode 1 and Mode 2 as stated in LCO 3.1.3.

Completed by: Paul Trujillo Date 6-23-19 Time 0718 Reviewed by: [signature] Date: 6/24/2019 Time: 0920
On-duty Supervisor

Comments SR 4.4.1.1 FLAMMABLE GAS CABINET IS OUT OF SERVICE, AWAITING REPLACEMENT

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 1 of 5)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

			Date:	6-17-19	6/18/19	6-19-19	6/20/19	6/21/19	6-22-19	6-23-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BF	[illegible]	AS	[illegible]	[illegible]	PT	PT
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.1.7[2]	Vault re-circulation filter plenum (HVP-811) ΔP Vault re-circulation filter plenum (HVP-812) ΔP	[1]PDI-840-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-840-2	≤2.0 & > 0 in[1]. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-840-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		[1]PDI-841-1	≤2.0 & > 0[1] in. wc	.46	.47	.47	.47	.47	.47	.47
		PDI-841-2	≤2.0 & > 0[1] in. wc	.58	.58	.58	.58	.58	.58	.58
		PDI-841-3	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51	.51	.51	.51
	200 area re-circulation filter plenum (HVP-801) ΔP	[1]PDI-831-1	≤2.0 & > 0[1] in. wc	.35	.35	.35	.35	.35	.35	.35
		PDI-831-2	≤2.0 & > 0[1] in. wc	.42	.42	.42	.42	.42	.42	.42
		PDI-831-3	≤2.0 & > 0[1] in. wc	.40	.40	.40	.40	.40	.40	.40
	200 area re-circulation filter plenum (HVP-802) ΔP	[1]PDI-832-1	≤2.0 & > 0[1] in. wc	.49	.48	.48	.48	.48	.48	.49
		PDI-832-2	≤2.0 & > 0[1] in. wc	.68	.68	.68	.68	.68	.68	.68
		PDI-832-3	≤2.0 & > 0[1] in. wc	.61	.61	.61	.61	.61	.61	.61
4.1.3.4[2]	North Bleed off filter plenum (FF-820A) ΔP	[1]PDI-807-1	≤2.0 & > 0[1] in. wc	.12	.12	.12	.12	.12	.12	.12
		PDI-807-2	≤2.0 & > 0[1] in. wc	.55	.52	.55	.54	.54	.54	.54
		PDI-807-3	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51	.51	.51	.51
4.1.3.4[2]	North Bleed off filter plenum (FF-820B) ΔP	[1]PDI-809-1	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		PDI-809-2	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		PDI-809-3	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 2 of 5)

			Date:	6-17-19	6/18/19	6-19-19	6/20/19	6/21/19	6-22-19	6-23-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BF		DS			PT	PT
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	North Basement exhaust filter plenum (FF-828) ΔP	[1]PDI-829-1	≤2.0 & > 0[1] in. wc	.35	.35	.35	.34	.34	.34	.36
		PDI-829-2	≤2.0 & > 0[1] in. wc	.50	.51	.51	.50	.50	.50	.51
		PDI-829-3	≤2.0 & > 0[1] in. wc	.41	.41	.41	.41	.41	.40	.41
4.1.1.7[2]	100 area re-circulation filter plenum (HVP-803) ΔP	[1]PDI-833-1	≤2.0 & > 0[1] in. wc	.08	.68	.08	.08	.08	.08	.08
		PDI-833-2	≤2.0 & > 0[1] in. wc	.58	.56	.56	.56	.56	.58	.58
		PDI-833-3	≤2.0 & > 0[1] in. wc	.52	.51	.52	.51	.51	.51	.51
	100 area re-circulation filter plenum (HVP-804) ΔP	[1]PDI-835-1	≤2.0 & > 0[1] in. wc	.06	.05	.05	.05	.05	.05	.05
		PDI-835-2	≤2.0 & > 0[1] in. wc	.50	.49	.49	.49	.49	.50	.50
		PDI-835-3	≤2.0 & > 0[1] in. wc	.50	.50	.50	.50	.50	.50	.50
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF852) ΔP	[1]PDI-815-1	≤2.0 & > 0[1] in. wc	STBY	.28	.28	.28	.28	.28	.29
		PDI-815-2	≤2.0 & > 0[1] in. wc	STBY	.58	.58	.58	.58	.58	.58
		PDI-815-4	≤2.0 & > 0[1] in. wc	STBY	.51	.51	.51	.51	.51	.51
		PDI-815-5	≤2.0 & > 0[1] in. wc	STBY	.52	.52	.52	1w 6/24/19 .52 .52	.51	.52
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF853) ΔP	[1]PDI-816-1	≤2.0 & > 0[1] in. wc	.50	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-816-2	≤2.0 & > 0[1] in. wc	.60	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-816-4	≤2.0 & > 0[1] in. wc	.55	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-816-5	≤2.0 & > 0[1] in. wc	.58	STBY	STBY	STBY	STBY	STBY	STBY

Uncontrolled for Training

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 3 of 5)

			Date:	6-17-19	6/18/19	6-19-19	6/20/19	6/21/19	6-22-19	6-23-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BF					PT	PT
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF850) ΔP	[1]PDI-812-1	≤2.0 & > 0[1] in. wc	STBY	.13	.13	.13	.13	.13	.13
		PDI-812-2	≤2.0 & > 0[1] in. wc	STBY	.30	.30	.30	.30	.30	.30
		PDI-812-3	≤2.0 & > 0[1] in. wc	STBY	.30	.30	.30	.30	.30	.30
		PDI-812-4	≤2.0 & > 0[1] in. wc	STBY	.29	.29	.29	.29	.30	.30
		PDI-812-5	≤2.0 & > 0[1] in. wc	STBY	.33	.33	.33	.33	.33	.33
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF851) ΔP	[1]PDI-813-1	≤2.0 & > 0[1] in. wc	.08	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-813-2	≤2.0 & > 0[1] in. wc	.23	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-813-3	≤2.0 & > 0[1] in. wc	.28	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-813-4	≤2.0 & > 0[1] in. wc	.28	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-813-5	≤2.0 & > 0[1] in. wc	.30	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	IFIT exhaust filter plenum (FF-865) ΔP	[1]PDI-865-1	≤2.0 & > 0[1] in. wc	.02	.02	.02	.02	.02	.02	.02
		PDI-865-2	≤2.0 & > 0[1] in. wc	.39	.38	.38	.38	.38	.39	.39
		PDI-865-3	≤2.0 & > 0[1] in. wc	.35	.35	.35	.35	.34	.33	.33
4.1.3.4[2]	IFIT supply filter plenum (HVP-863) ΔP	[1]PDI-863-1	≤2.0 & > 0[1] in. wc	.03	.04	.05	.05	.05	.05	.05
		PDI-863-2	≤2.0 & >0[1] in. wc	.31	.31	.31	.31	.31	.31	.31

FOR INFORMATION ONLY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 4 of 5)

			Date:	6-17-19	6/18/19	6-19-19	6/20/19	6/21/19	6-22-19	6-23-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BC		DS			PT	PT
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS						
4.1.3.4[2]	North Basement supply filter plenum (HVP-840) ΔP	[1]PDI-857-1	≤ 2.0 & > 0[1] in. wc	.12	.12	.12	.12	.12	.12	.12
		PDI-857-2	≤2.0 & > 0[1] in. wc	.45	.43	.43	.44	.44	.45	.44
4.1.3.4[2]	North corridor supply filter plenum (HVP-809) ΔP	[1]PDI-856-1	≤2.0 & > 0[1] in. wc	.06	.05	.06	.05	.06	.07	.07
		PDI-856-2	≤2.0 & > 0[1] in. wc	.60	.60	.60	.60	.60	.61	.60
[1]NA	Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C		0 lb/ft² combustibles in designated exclusion area (within 15 feet of fans)	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 201		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 204		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT

For Information Only

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 5 of 5)

			Date:	6-17-19	6/18/19	6-19-19	6/20/19	6/21/19	6-22-19	6-23-19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BF					PT	PT
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS						
4.3.2.2[2]	Room 206		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 207		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
			Completion time	0755	0546	0850	0860	0740	0743	0730
			OC Operator Review and Page Count Complete (initials)	MM	MM	BL JSC	BL JSC	MM	MM JSC	MM
			OCS Daily Review Sign off (initials)	MJW	[illegible]	MJW	MJW	[illegible]	[illegible]	MJW

[1] Non TSR requirement

[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR's 4.1.3.4 and 4.3.2.2 apply during both Mode 1 and Mode 2.

Note: Rooms 201, 206 & 207 **must be** entered for surveillance even if they are red lit, room 204 can be viewed through the window. Notify the Operations Center of any rooms that are unable to be entered for the performance of rounds, Operations Center will make a logbook entry recording the room(s) and reason(s) for non-entry. Document in the comments section any room(s) and reason(s) they were unable to be entered for rounds.

Completed by: Paul Trujillo Date 6-23-19 Time 0730 Reviewed by: _____ Date: 6/24/2019 Time: 0820

On-duty Supervisor

Comments: _____

For Information Only

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 1 of 3)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

Note: Gauge readings should be taken on rack #4 in the OC. whenever possible. Document if alternate PDIs are used.		Date:	06.24.19		06.25.19		6/26/19		6/27/19		6/28/19		06.29.19		06-30-19	
		Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
		Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
		Initials:	BC	~~[illegible]~~	BC	[illegible]	[illegible]	ATD	[illegible]	ATD	BC	~~[illegible]~~	BC	~~[illegible]~~	BC	~~[illegible]~~
SRs	**Description**	**Gauge Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**													
4.1.1.1 4.1.2.1[2]	200 area glovebox exhaust header ΔP	PDI-814-1 or PDI-814-2 ≤-1.0 in. wc[1]	-1.99	-2.01	-1.99	-1.98	-2.02	-1.99	-2.00	-2.01	-1.98	-2.01	-2.00	-1.99	-1.99	-2.00
	100 area glovebox exhaust header ΔP	PDI-820-1 or PDI-820-2 ≤-1.0 in. wc[1]	-1.93	-1.97	-1.93	-1.91	-1.93	-1.93	-1.93	-1.93	-1.93	-1.97	-1.93	-1.97	-1.93	-1.93
	300 area glovebox exhaust header ΔP	PDI-870-1 or PDI-870-2 ≤-1.0 in. wc[1]	-2.16	-2.17	-2.18	-2.19	-2.17	-2.19	-2.17	-2.19	-2.18	-2.17	-2.18	-2.18	-2.17	-2.18
	400 area glovebox exhaust header ΔP	PDI-864-1 or PDI-864-2 ≤-1.0 in. wc[1]	-2.04	-2.04	-2.13	-2.02	-2.02	-2.03	-2.02	-2.03	-2.03	-2.02	-2.02	-2.03	-2.02	-2.02
4.1.1.2 4.1.1.5 4.1.2.2[2]	200 area laboratory header ΔP	PDI-803-1 or PDI-803-2 ≤-0.05 in. wc[1]	-.19	-0.19	-.19	-.20	-.20	-.20	-.20	-.20	-.20	-0.20	-.19	-0.20	-.19	-0.20
	100 area laboratory header ΔP	PDI-802-1 or PDI-802-2 ≤-0.05 in. wc[1]	-.24	-0.25	-.25	-.25	-.25	-.25	-.25	-.24	-.25	-0.25	-.26	-0.25	-.25	-0.25
	300 area laboratory header ΔP	PDI-853-1 or PDI-853-2 ≤-0.05 in. wc[1]	-.20	-0.20	-.20	-.20	-.21	-.20	-.21	-.18	-.20	-0.20	-.20	-0.19	-.20	-0.20
	400 area laboratory header ΔP	PDI-852-1 or PDI-852-2 ≤-0.05 in. wc[1]	-.19	-0.20	-.19	-.19	-.21	-.20	-.20	-.18	-.19	-0.20	-.20	-0.19	-.19	-0.20
	IFIT Facility ΔP	PDI-865-4 or PDI-865-5 ≤-0.05 in. wc	-.15	-0.15	-.15	-.15	-.15	-.15	-.15	-.15	-.15	-0.15	-.15	-0.15	-.15	-0.15
4.1.1.3 4.1.2.3[2]	North basement ΔP	PDI-804-1 or PDI-804-2 < 0.00 in. wc	-.09	-0.09	-.09	-.09	-.09	-.09	-.09	-.09	-.09	-0.09	-.09	-0.09	-.09	-0.09
	South basement ΔP	PDI-854-1 or PDI-854-2 < 0.00 in. wc	-.08	-0.08	-.08	-.08	-.08	-.08	-.08	-.08	-.08	-0.08	-.08	-0.08	-.08	-0.08
	IRT Tunnel ΔP	PDT-901 or PDI-901 < 0.00 in. wc	-.101	-0.100	-.105	-.102	-.101	-.099	-.104	-.095	-.092	-0.104	-.101	-0.102	-.075	-0.022

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ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 2 of 3)

Note: Readings should be taken using FCS screens FMT#151,152,201LD and 202LD. Field verification and local plenum PDI's may be used if FCS is unavailable.				Date:	06.24.19		06.25.19		6/26/19		6/27/19		6/28/19		06.29.19		06.30.19	
				Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
				Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
				Initials:	BC		BC		M	ADJ	M	ADJ	BC		BC		BC	
SRs	**Description**	**Readings**	**Acceptance Criteria**	**SURVEILLANCE RESULTS Sat / Unsat (circle one)**														
4.1.1.6	**200 area re-circulation fan/ plenum**	FR-801 Icon red and PDT-831 ΔP >.050 or FR-802 Icon red and PDT-832 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	100 area re-circulation fan/ plenum	FR-803 Icon red and PDT-833 ΔP >.050 or FR-804 Icon red and PDT-835 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	300 area re-circulation fan/ plenum	FR-805 Icon red and PDT-836 ΔP >.050 or FR-806 Icon red and PDT-837 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	400 area re-circulation fan/ plenum	FR-807 Icon red and PDT-838 ΔP >.050 or FR-808 Icon red and PDT-839 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
	Vault re-circulation fan/ plenum	FR-811 Icon red and PDT-840 ΔP >.050 or FR-812 Icon red and PDT-841 ΔP >.050	At least one fan/plenum is in service	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat

NUO Controlled Document

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 3 of 3)

Note
Gauge readings should be taken on rack #4 in the OC when possible, local PDI equivalents may be used if necessary. Document any alternate PDIs used.

				Date:	06.24.19		06.25.19		6/26/19		6/27/19		6/28/19		06.29.19		06.30.19	
				Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
				Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
				Initials:	BC		BC			ABJ		ABJ			BC		BC	
SRs	**Description**	**Area**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS** Sat / Unsat (circle one)													
4.1.1.4	**Glovebox exhaust header ΔPs < laboratory ΔPs < basement ΔPs for areas 100, 200, 300 and 400**	200 Area	PDI-814-2 PDI-803-2 PDI-804-2	PDI-814-2 < PDI-803-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		100 Area	PDI-820-2 PDI-802-2 PDI-804-2	PDI-820-2 < PDI-802-2 < PDI-804-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		300 Area	PDI-870-2 PDI-853-2 PDI-854-2	PDI-870-2 < PDI-853-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		400 Area	PDI-864-2 PDI-852-2 PDI-854-2	PDI-864-2 < PDI-852-2 < PDI-854-2	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat	Sat Unsat
		Completion Time			0719	1920	0720	1914	0741	1926	0725	1935	0719	1921	0713	1915	0711	1914
		OCS Daily Review Sign off (initials)			MJW		MJW		MJW		MJW					MJW	MJW	MJW

[1] Mode 2 acceptance criteria is < 0.00 in. wc.
[2] SRs 4.1.2.x only apply during Mode 2 in accordance with LCO 3.1.2.

Completed by: _____ Date 6/30/19 Time 1921 Reviewed by: _____ Date: 7/1/2019 Time: 0952
On-duty Supervisor

Comments: _____

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ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

SR 4.4.1.1, The OPERABILITY acceptance criterion for this surveillance is:
The FLAMMABLE GAS detector in the FSTF FLAMMABLE GAS SOURCE storage cabinet is exposed to the ambient atmosphere in the storage cabinet. The gas concentration readout directly on the detector in the storage cabinet is compared with the gas concentration readout on the system control and alarm panel. The difference between the two readings is checked to VERIFY it is in the range of (≥-0.1; ≤0.1).

		Date:	6-24-19	6-25-19	6/26/19	6/27/19	6/28/19	6/29/19	6/30/19
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	BF	AAB	JM	JM	JM	DH	DH
SR 4.4.1.1	**Description / Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (percentage)**						
	Flammable Gas Channel Check DET-305-3 (LCD Reading)	NA	005	005	005	005	005	005	005
	CP-305-H (LED Reading)		005	005	005	005	005	005	005
	(DET-305-3) – (CP-305H) (LCD Reading) (LED Reading)	Record Calculated Value	005	005	005	005	005	005	005
		≥ -0.1; ≤+0.1	~~Sat / Unsat~~ 005	~~Sat / Unsat~~ 005	~~Sat / Unsat~~ 005	~~Sat / Unsat~~ 005	~~Sat / Unsat~~ 005	~~Sat / Unsat~~ 005	~~Sat / Unsat~~ 005
		Completion Time:	0710	0850	0725	0730	0750	0700	0705

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ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side)[UET]

(Page 2 of 4)

			Date:	6-24-19	6-25-19	6/26/19	6/27/19	6/28/19	6/29/19	6/30/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BF	AAS	JH	JH	JH	DH	DH
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	South basement supply filter plenum (HVP-841) ΔP	[1]PDI-894-1	≤2.0 & > 0[1] in. wc	.04	.05	.05	.05	.04	.04	.04
		PDI-894-2	≤2.0 & > 0[1] in. wc	.48	.48	.48	.48	.47	.48	.48
4.1.3.4[2]	South Corridor supply (HVP-810) ΔP	[1]PDI-895-1	≤ 2.0 & > 0[1] in. wc	.07	.09	.08	.08	.08	.09	.09
		PDI-895-2	≤2.0 & > 0[1] in. wc	.70	.70	.70	.70	.70	.70	.70
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF854) ΔP	[1]PDI-817-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-817-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-817-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-817-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF858) ΔP	PDI-81 9-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-81 9-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-819-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	300 area glovebox exhaust filter plenum (FF855) ΔP	[1]PDI-818-1	≤2.0 & > 0[1] in. wc	.26	.27	.27	.27	.26	.25	.25
		PDI-818-2	≤2.0 & > 0[1] in. wc	.31	.31	.31	.31	.31	.31	.30
		PDI-818-4	≤2.0 & > 0[1] in. wc	.30	.31	.31	.31	.31	.30	.30
		PDI-818-5	≤2.0 & > 0[1] in. wc	.31	.31	.31	.31	.31	.31	.31
4.1.3.4[2]	300 area special recovery glovebox exhaust filter plenum (FF859) ΔP	PDI-821-1	≤2.0 & > 0[1] in. wc	.42	.42	.42	.43	.43	.41	.41
		PDI-821-3	≤2.0 & > 0[1] in. wc	.45	.46	.45	.46	.46	.46	.46
		PDI-821-4	≤2.0 & > 0[1] in. wc	.41	.41	.41	.41	.41	.41	.41

For Information Only

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

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			Date:	6-24-19	6-25-19	6/26/19	6/27/19	6/28/19	6/29/19	6/30/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BF	AMS				DH	DH
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF856) ΔP	[1]PDI-822-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-822-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-822-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-822-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	400 area glovebox exhaust filter plenum (FF857) ΔP	[1]PDI-823-1	≤2.0 & > 0[1] in. wc	.15	.06	.07	.07	.07	.06	.06
		PDI-823-2	≤2.0 & > 0[1] in. wc	.58	.60	.58	.58	.59	.59	.59
		PDI-823-4	≤2.0 & > 0[1] in. wc	.51	.50	.50	.50	.50	.50	.50
		PDI-823—5	≤2.0 & > 0[1] in. wc	.65	.65	.65	.65	.65	.63	.63
4.1.3.4[2]	South Basement exhaust filter plenum (FF-829) ΔP	[1]PDI-830-1	≤2.0 & > 0[1] in. wc	.35	.24	.26	.29	.27	.27	.27
		PDI-830-2	≤2.0 & > 0[1] in. wc	.18	.12	.15	.13	.13	.13	.13
		PDI-830-3	≤2.0 & > 0[1] in. wc	.15	.12	.12	.12	.12	.12	.12
4.1.1.7[2]	300 area re-circulation filter plenum (HVP-805) ΔP	[1]PDI-836-1	≤2.0 & > 0[1] in. wc	.06	.06	.06	.06	.06	.06	.06
		PDI-836-2	≤2.0 & > 0[1] in. wc	.68	.65	.66	.66	.66	.66	.65
		PDI-836-3	≤2.0 & > 0[1] in. wc	.68	.66	.65	.65	.65	.66	.66
	300 area re-circulation filter plenum (HVP-806) ΔP	[1]PDI-837-1	≤2.0 & > 0[1] in. wc	.04	.04	.04	.04	.04	.04	.04
		PDI-837-2	≤2.0 & > 0[1] in. wc	.49	.48	.48	.48	.48	.48	.48
		PDI-837-3	≤2.0 & > 0[1] in. wc	.45	.42	.43	.43	.43	.42	.42

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ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 4 of 4)

			Date:	6-24-19	6-25-19	6/26/19	6/27/19	6/28/19	6/29/19	6/30/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BF	AAS				DH	DH
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.1.7[2]	400 area re-circulation filter plenum (HVP-807) ΔP	[1]PDI-838-1	≤2.0 & > 0[1] in. wc	.56	.56	.56	.56	.56	.56	.56
		PDI-838-2	≤2.0 & > 0[1] in. wc	.60	.60	.60	.60	.60	.60	.60
		PDI-838-3	≤2.0 & > 0[1] in. wc	.60	.59	.59	.59	.59	.59	.59
	400 area re-circulation filter plenum (HVP-808) ΔP	[1]PDI-839-1	≤2.0 & > 0[1] in. wc	.40	.40	.40	40	.40	.40	.40
		PDI-839-2	≤2.0 & > 0[1] in. wc	.54	.51	.52	.52	52	.52	.52
		PDI-839-3	≤2.0 & > 0[1] in. wc	.52	.52	.52	.52	.52	.53	.53
4.1.3.4[2]	South Bleed off filter plenum (FF-822A) ΔP	[1]PDI-810-1	≤2.0 & > 0[1] in. wc	.17	.16	.17	.17	.17	.16	.16
		PDI-810-2	≤2.0 & > 0[1] in. wc	.54	.55	.56	.57	.55	.53	.55
		PDI-810-3	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51	.51	.51	.51
4.1.3.4[2]	South Bleed off filter plenum (FF-822B) ΔP	[1]PDI -811 - 1	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		PDI -811 -2	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		PDI -811 -3	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
			Completion Time	0745	1003	0750	0850	0815	0751	0803
OC Operator Review and Page Count Complete (initials)				BC JSL	BC JSL	MM	MM	BC JSL	JSL BC	JSL BC
OCS Daily Review Sign off (initials)				MJW	MJW	MJW	MJW	a	a	MJW

[1] Non TSR requirement
[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR 4.1.3.4 apply during both Mode 1 and Mode 2 as stated in LCO 3.1.3.

Completed by: _____ Date 6/30/19 Time 0803 Reviewed by: _____ Date: 7/1/2019 Time: 0953
On-duty Supervisor

Comments SR 4.4.1.1 FLAMMABLE GAS DETECTOR IS OUT OF SERVICE, AWAITING REPLACEMENT, FSR HAS BEEN INITIATED

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ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 1 of 5)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

			Date:	6·24·19	6-25-19	6/26/19	6/27/19	6/28/19	6/29/19	6/30/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BF	AM3				DH	DH
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.1.7[2]	Vault re-circulation filter plenum (HVP-811) ΔP Vault re-circulation filter plenum (HVP-812) ΔP	[1]PDI-840-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-840-2	≤2.0 & > 0 in[1]. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-840-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		[1]PDI-841-1	≤2.0 & > 0[1] in. wc	.47	.47	.47	.47	.47	.47	.47
		PDI-841-2	≤2.0 & > 0[1] in. wc	.68	.59	.58	.58	.58	.58	.58
		PDI-841-3	≤2.0 & > 0[1] in. wc	.52	.51	.51	.51	.51	.51	.51
	200 area re-circulation filter plenum (HVP-801) ΔP	[1]PDI-831-1	≤2.0 & > 0[1] in. wc	.35	.35	.35	.35	.35	.35	.35
		PDI-831-2	≤2.0 & > 0[1] in. wc	.43	.42	.42	.42	.42	.42	.42
		PDI-831-3	≤2.0 & > 0[1] in. wc	.40	.40	.40	.40	.40	.40	.40
	200 area re-circulation filter plenum (HVP-802) ΔP	[1]PDI-832-1	≤2.0 & > 0[1] in. wc	.48	.49	.48	.48	.48	.49	.48
		PDI-832-2	≤2.0 & > 0[1] in. wc	.67	.68	.68	.68	.68	.68	.68
		PDI-832-3	≤2.0 & > 0[1] in. wc	.62	.61	.61	.61	.61	.61	.61
4.1.3.4[2]	North Bleed off filter plenum (FF-820A) ΔP	[1]PDI-807-1	≤2.0 & > 0[1] in. wc	.12	.12	.12	.12	.12	.12	.11
		PDI-807-2	≤2.0 & > 0[1] in. wc	.56	.55	.53	.53	.53	.52	.52
		PDI-807-3	≤2.0 & > 0[1] in. wc	.51	.51	.51	.51	.51	.50	.50
4.1.3.4[2]	North Bleed off filter plenum (FF-820B) ΔP	[1]PDI-809-1	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		PDI-809-2	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		PDI-809-3	≤2.0 & > 0[1] in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF

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ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

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			Date:	6-24-19	6-25-19	6/26/19	6/27/19	6/28/19	6/29/19	6/30/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BF	AAD				DH	DH
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS (in. wc)**						
4.1.3.4[2]	North Basement exhaust filter plenum (FF-828) ΔP	[1]PDI-829-1	≤2.0 & > 0[1] in. wc	.35	.35	.34	.34	.35	.35	.35
		PDI-829-2	≤2.0 & > 0[1] in. wc	.51	.52	.50	.50	.51	.51	.50
		PDI-829-3	≤2.0 & > 0[1] in. wc	.41	.42	.40	.40	.41	.40	.40
4.1.1.7[2]	100 area re-circulation filter plenum (HVP-803) ΔP	[1]PDI-833-1	≤2.0 & > 0[1] in. wc	.08	.08	.08	.08	.08	.08	.08
		PDI-833-2	≤2.0 & > 0[1] in. wc	.56	.56	.56	.56	.57	.55	.55
		PDI-833-3	≤2.0 & > 0[1] in. wc	.53	.51	.52	.52	.51	.51	.51
	100 area re-circulation filter plenum (HVP-804) ΔP	[1]PDI-835-1	≤2.0 & > 0[1] in. wc	.06	.05	.05	.05	.05	.05	.05
		PDI-835-2	≤2.0 & > 0[1] in. wc	.50	.49	.49	.50	.49	.49	.49
		PDI-835-3	≤2.0 & > 0[1] in. wc	.50	.50	.50	.50	.50	.50	.50
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF852) ΔP	[1]PDI-815-1	≤2.0 & > 0[1] in. wc	.30	.28	.28	.28	.28	.29	.29
		PDI-815-2	≤2.0 & > 0[1] in. wc	.60	.59	.59	.59	.59	.59	.59
		PDI-815-4	≤2.0 & > 0[1] in. wc	.50	.50	.51	.51	.51	.50	.50
		PDI-815-5	≤2.0 & > 0[1] in. wc	.52	.55	.53	.53	.53	.52	.52
4.1.3.4[2]	100 area glovebox exhaust filter plenum (FF853) ΔP	[1]PDI-816-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-816-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-816-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-816-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY

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ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

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			Date:	6-24-18	6-25-18	6/26/19	6/27/19	6/28/19	6/29/19	6/30/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BF	AAS	[illegible]	[illegible]	[illegible]	DH	DH
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF850) ΔP	[1]PDI-812-1	≤2.0 & > 0[1] in. wc	.15	.14	.14	.14	.14	.14	.14
		PDI-812-2	≤2.0 & > 0[1] in. wc	.30	.30	.30	.30	.30	.30	.30
		PDI-812-3	≤2.0 & > 0[1] in. wc	.30	.28	.30	.30	.30	.30	.30
		PDI-812-4	≤2.0 & > 0[1] in. wc	.29	.29	.29	.29	.29	.30	.29
		PDI-812-5	≤2.0 & > 0[1] in. wc	.34	.32	.34	.34	.34	.35	.35
4.1.3.4[2]	200 area glovebox exhaust filter plenum (FF851) ΔP	[1]PDI-813-1	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-813-2	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-813-3	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-813-4	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-813-5	≤2.0 & > 0[1] in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4[2]	IFIT exhaust filter plenum (FF-865) ΔP	[1]PDI-865-1	≤2.0 & > 0[1] in. wc	.02	.02	.02	.02	.02	.02	.02
		PDI-865-2	≤2.0 & > 0[1] in. wc	.40	.39	.38	.38	.38	.39	.39
		PDI-865-3	≤2.0 & > 0[1] in. wc	.35	.32	.32	.32	.33	.33	.34
4.1.3.4[2]	IFIT supply filter plenum (HVP-863) ΔP	[1]PDI-863-1	≤2.0 & > 0[1] in. wc	.04	.05	.05	.05	.05	.05	.05
		PDI-863-2	≤2.0 & >0[1] in. wc	.31	.31	.31	.31	.31	.31	.31

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ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

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			Date:	6-24-19	6-25-19	6/26/19	6/27/19	6/28/19	6/29/19	6/30/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BF	ABB				OH	OH
SRs	**Description**	**Gauge**	**Acceptance Criteria**	**SURVEILLANCE RESULTS**						
4.1.3.4[2]	North Basement supply filter plenum (HVP-840) ΔP	[1]PDI-857-1	≤ 2.0 & > 0[1] in. wc	.12	.12	.12	.12	.12	.12	.12
		PDI-857-2	≤2.0 & > 0[1] in. wc	.45	.45	.45	.45	.45	.46	.45
4.1.3.4[2]	North corridor supply filter plenum (HVP-809) ΔP	[1]PDI-856-1	≤2.0 & > 0[1] in. wc	.06	.06	.06	.06	.06	.07	.07
		PDI-856-2	≤2.0 & > 0[1] in. wc	.60	.61	.61	.61	.61	.61	.61
[1]NA	**Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C**		**0 lb/ft² combustibles in designated exclusion area (within 15 feet of fans)**	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 201		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 204		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT

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ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

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			Date:	6.24.19	6-25-19	6/26/19	6/27/19	6/28/19	6/29/19	6/30/19
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BF	AAS				DH	DH
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS						
4.3.2.2[2]	Room 206		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2[2]	Room 207		0 lb/ft² combustibles within 3.5 feet perpendicular from the face of the PMMA, the width of the aisles between gloveboxes, or up to the walls of the rooms, whichever is less	SAT	SAT	SAT	UNSAT	SAT	SAT	SAT
			Completion time	0730	1003	0740	0845	0805	0735	0741
			OC Operator Review and Page Count Complete (initials)	BF JSC	BF JSC	MM	MM	BF JSC	JSC BF	JSC BF
			OCS Daily Review Sign off (initials)	MJW	MJW	MJW	MJW	~	~	

[1] Non TSR requirement

[2] SR 4.1.1.7 applies during Mode 1 as stated in LCO 3.1.1. SR's 4.1.3.4 and 4.3.2.2 apply during both Mode 1 and Mode 2.

Note: Rooms 201, 206 & 207 **must be** entered for surveillance even if they are red lit, room 204 can be viewed through the window. Notify the Operations Center of any rooms that are unable to be entered for the performance of rounds, Operations Center will make a logbook entry recording the room(s) and reason(s) for non-entry. Document in the comments section any room(s) and reason(s) they were unable to be entered for rounds.

Completed by: _____ Date 6/30/19 Time 0741 Reviewed by: _____ (On-duty Supervisor) Date: 7/1/2019 Time: 0953

Comments: 6/27/19 4.3.2.2 RM 207 UNSAT due to glove box shielding being held closed with blue tape. Notified ops. Corrected 6/27/2019 MJW

For Information Only

ATTACHMENT D: Monthly Surveillance Rounds (Confinement Doors) [UET]

(Page 1 of 2)

NOTE: This entire Attachment is to be treated as Surveillance Requirement implementing actions.

SRs	Equipment	Location	Acceptance criteria	Sat or Unsat.	Completion Time:	Date:	Initials	CDV Initials
*Note	Confinement DR-344	Southeast	Verify that the Astragals and Jamb-Seal features are in-place and cover the gaps present 1. Between the door leaves and 2. Between the frame and the door edge when the doors are in the closed position	Sat / Unsat.	1518	6/27/19		
* 4.1.3.2[1]	Confinement Door DR-344	Southeast	Exercise fully open and Verify that the door goes to the fully closed position via the automatic door closure. For each confinement door, VERIFY that one leaf of the door(s) is secured shut (NW, NE, SW, SE, south basement door).	Sat. Unsat.	1518	6/27/19		
4.1.3.2[1]	Confinement Door DR-149	Northeast	Exercise fully open and Verify that the door goes to the fully closed position via the automatic door closure. For each confinement door, VERIFY that one leaf of the door(s) is secured shut (NW, NE, SW, SE, south basement door).	Sat. / Unsat.	1351	6/27/19		
*Note	Confinement DR-102	Northwest	Verify that the Astragals and Jamb-Seal features are in-place and cover the gaps present 1. Between the door leaves and 2. Between the frame and the door edge when the doors are in the closed position	Sat. / Unsat.	1459	6/27/19		
4.1.3.2[1]	Confinement Door DR-102	Northwest	Exercise fully open and Verify that the door goes to the fully closed position via the automatic door closure. For each confinement door, VERIFY that one leaf of the door(s) is secured shut (NW, NE, SW, SE, south basement door).	Sat. / Unsat.	1454	6/27/19		
			AND VERIFY and RECORD the time (using calibrated stop watch) that the door(s) go to the fully closed position via the automatic door closure is ≤ 30 seconds. 4.3 Seconds	Sat / Unsat.	1454	6/27/19		

*** Note:** Monthly Inspection of DR-344 and DR-102 in accordance with compensatory measure(s) from: *Request for Permanent Equivalency to OE Order 420.1B Chapter II, NFPA 80, NFPA 101 and IBC Requirements for LANL Building TA55-4 (PF-4); Installation of New Confinement Doors DR-102, DR-302, and DR-344 LANL-DOE-ORDER-420.1B-EQ-2013-001*

Knowledge Document
For Information Only

ATTACHMENT D: Monthly Surveillance Rounds (Confinement Doors) [UET]

(Page 2 of 2)

SRs	Equipment	Location	Acceptance criteria	Sat or Unsat.	Completion Time:	Date:	Initials	CDV Initials
4.1.3.2[1]	Confinement Door DR-302	Southwest	Exercise fully open and Verify that the door goes to the fully closed position via the automatic door closure. For each confinement door, VERIFY that one leaf of the door(s) is secured shut (NW, NE, SW, SE, south basement door).	Sat / Unsat.	1422	6/27/19		
			AND VERIFY and RECORD the time (using calibrated stop watch) that the door(s) go to the fully closed position via the automatic door closure is ≤ 30 seconds. 7 Seconds	Sat / Unsat.	1422	6/27/19		
4.1.3.2[1]	Confinement Door DR-4	N. Basement Personnel door DR-4	Exercise fully open and Verify that the door goes to the fully closed position via the automatic door closure.	Sat / Unsat.	1435	6/27/19		
4.1.3.2[1]	Confinement Door DR-90	South Basement Door (Tunnel)	Exercise fully open and Verify that the door goes to the fully closed position via the automatic door closure. For each confinement door, VERIFY that one leaf of the door(s) is secured shut (NW, NE, SW, SE, south basement door).	Sat. / Unsat.	1443	6/27/19		
						OC Operator Review and Page Count Complete		

[1] SR 4.1.3.2 applies during both Mode 1 and Mode 2.

Completed by: [signature] Date 6/27/19 Time 1525 Reviewed by: [signature] Date: 7/1/2019 Time: 0954

Concurrent Dual Verifier: [signature] Date 6/27/19 Time 1526

On-duty Supervisor Comments:

** 4.1.3.2 DR-344 Door latching hardware damaged/loose. Door does latch and meets criteria but needs to be serviced or repaired

4.1.3.2 DR-90 is unsat. Leaf door is not operable. Release handle is inop and needs to be repaired. Door will not open. Known problem and FSR has been submitted.

For Information Only

ATTACHMENT A806.A.

External Combustion

20.2.61 NMAC Opacity

Use of pipeline quality natural gas at LANL meets the requirement at Condition A806.A and constitutes compliance with 20.2.61 NMAC. Opacity did not exceed 20% over a 10-minute period and no visible emissions occurred during steady state operation.

ATTACHMENT A806.C.

External Combustion

20.2.61 NMAC Opacity – Units RLUOB-BHWs Fuel-Oil Fired

No fuel oil was used in the RLUOB Boilers during this certification period and no opacity measurements were required.

ATTACHMENT A807.A.

External Combustion

Natural Gas Usage and Rolling 12-Month Total

2019 Small Boilers Data Entry / Gas Use

	Metered Boilers Gas Use			Non-Metered Gas Use	All Small Boilers[a] Non-Metered + Metered		
	TA-55-6 Boilers[b]		CMRR-RLUOB		Total Gas Use		12-Month Rolling Total[c]
	BHW-1B (EQPT-29)	BHW-2B (EQPT-30)	All 3 Boilers (EQPT-90, 104, & 105)				
Month	(Mscf)	(Mscf)	(Mscf)	(MMscf)	(Mscf)	(MMscf)	(MMscf)
January	5	2520	277	66.65	69,450	69.45	418.71
February	3	2209	295	56.23	58,736	58.74	425.55
March	1	1943	208	47.42	49,574	49.57	425.44
April	1	1948	160	31.32	33,427	33.43	428.42
May	1	1877	141	24.41	26,427	26.43	432.34
June	1	1417	74	11.45	12,937	12.94	438.98
July							
August							
September							
October							
November							
December							
TOTAL	12	11914	1155	237.47	250,551	250.55	

Reviewed by: Katelyn Mahoney 7/9/2019

12 Month Limit (MMscf) = **870**

2019 Non Metered Boiler Pool Capacity:	273.1	MMBtu/hr[d]
Estimated Gas-Use per MMBtu rating Jan-June:	0.87	MMscf/MMBtu/hr
Estimated Gas-Use per MMBtu rating July-Dec:	0.00	MMscf/MMBtu/hr
Estimated Gas-Use per MMBtu - Annual	0.87	MMscf/MMBtu/hr
Estimated Gas-Use per MMBtu - Fiscal Year	1.44	MMscf/MMBtu/hr

Gas Use Non-Metered[e] (MMSCF)				
NMED ID:	EQPT-11	EQPT-12	EQPT-53&134	Insignificant Units[f]
Location:	TA-53-365	TA-53-365	TA-16-1484	Lab Wide
Equipment ID:	BHW-1	BHW-2	Plant 5	Various
Database ID:	B-0042	B-0043	B-0093/0092	
Design Rate[g] (MMBTU/hr)	7.115	7.115	12.700	246
Calculated Gas Use-Jan-June	6.186	6.186	11.043	214.054
Calculated Gas Use-July-Dec	0.000	0.000	0.000	0.000
Calculated Gas Use-Annual	6.186	6.186	11.043	214.054

Reviewed By / Date: Katelyn Mahoney 7/9/2019

ATTACHMENT A807.B.

External Combustion

RLUOB Boilers Natural Gas and Fuel Oil Usage

Boilers at the RLUOB did not use fuel oil during this certification period. Please see Attachment A807.A. for natural gas use by the RLUOB boilers.

ATTACHMENT A807.C. & D.

External Combustion

Fuel Oil Sulfur Content

LANL purchases only fuel oil with ultra-low sulfur content; fuel oil was not used in the TA-55-6 Boilers or RLUOB Boilers during this reporting period.

ATTACHMENT A807.E.

External Combustion

Initial Compliance Testing (Unit RLUOB-BHW-4)

Unit RLUOB-BHW-4 has not been installed.

ATTACHMENT A807.F.

External Combustion

Operational Inspection for Sources listed in Table 800.A.

Annual preventive maintenance was not conducted during this monitoring period. Inspections are planned for 2019H2.

ATTACHMENT A907.A.

Chemical Usage

Chemical Purchases from ChemDB

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001498046	-	GASOILA THREAD SEALANT WITH PTFE	237	Milliliter(ML)	04-Jan-19
0001498047	-	GASOILA THREAD SEALANT WITH PTFE	237	Milliliter(ML)	04-Jan-19
0000154576	70955-01-0	MOLECULAR SIEVES 4A 1/16-INCH BEADS 8-12	1	Kilograms(KG)	04-Jan-19
0000154577	70955-01-0	MOLECULAR SIEVES 4A 1/16-INCH BEADS 8-12	1	Kilograms(KG)	04-Jan-19
0001514577	70955-01-0	MOLECULAR SIEVES 4A 1/16-INCH BEADS 8-12	1	Kilograms(KG)	04-Jan-19
0001514576	70955-01-0	MOLECULAR SIEVES 4A 1/16-INCH BEADS 8-12	1	Kilograms(KG)	04-Jan-19
0001513695	-	LYSOL BRAND II DISINFECTANT	19	Ounces(OZ)	04-Jan-19
0001513698	-	LYSOL BRAND II DISINFECTANT	19	Ounces(OZ)	04-Jan-19
0001513697	-	LYSOL BRAND II DISINFECTANT	19	Ounces(OZ)	04-Jan-19
0001513696	-	LYSOL BRAND II DISINFECTANT	19	Ounces(OZ)	04-Jan-19
0001513699	7440-22-4	SILVER POWDER	50	Gram(GM)	04-Jan-19
0001513700	7440-22-4	SILVER POWDER	50	Gram(GM)	04-Jan-19
0001513701	7440-22-4	SILVER POWDER	50	Gram(GM)	04-Jan-19
V000001E1C	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	04-Jan-19
V000001E1D	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	04-Jan-19
V000001E1B	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	04-Jan-19
V000001E1A	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	04-Jan-19
V000001E19	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	04-Jan-19
V000001E18	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	04-Jan-19
V000001E17	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	04-Jan-19
V000001E16	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	04-Jan-19
V000001E15	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	04-Jan-19
V000001E1E	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	04-Jan-19
0001513702	-	GenTech	1	Gallon(GAL)	04-Jan-19
0001498048	-	Windshield washer	1	Gallon(GAL)	04-Jan-19
0001513703	7757-82-6	SODIUM SULFATE ANHYDROUS	500	Gram(GM)	04-Jan-19
0001513707	7757-82-6	SODIUM SULFATE ANHYDROUS	500	Gram(GM)	04-Jan-19
0001513708	7757-82-6	SODIUM SULFATE ANHYDROUS	500	Gram(GM)	04-Jan-19
0001513710	7757-82-6	SODIUM SULFATE ANHYDROUS	500	Gram(GM)	04-Jan-19
0001513705	7757-82-6	SODIUM SULFATE ANHYDROUS	500	Gram(GM)	04-Jan-19
0001513704	7757-82-6	SODIUM SULFATE ANHYDROUS	500	Gram(GM)	04-Jan-19
0001513709	7757-82-6	SODIUM SULFATE ANHYDROUS	500	Gram(GM)	04-Jan-19
0001513706	7757-82-6	SODIUM SULFATE ANHYDROUS	500	Gram(GM)	04-Jan-19
0001513854	127-08-2	POTASSIUM ACETATE	100	Gram(GM)	04-Jan-19
0001498049	-	Windshield washer	1	Gallon(GAL)	04-Jan-19
0001498051	-	Windshield washer	1	Gallon(GAL)	04-Jan-19
0001498050	-	Windshield washer	1	Gallon(GAL)	04-Jan-19
0001498058	-	Windshield washer	1	Gallon(GAL)	04-Jan-19
0001498057	-	Windshield washer	1	Gallon(GAL)	04-Jan-19
0001498056	-	Windshield washer	1	Gallon(GAL)	04-Jan-19
0001498055	-	Windshield washer	1	Gallon(GAL)	04-Jan-19
0001498053	-	Windshield washer	1	Gallon(GAL)	04-Jan-19
0001498052	-	Windshield washer	1	Gallon(GAL)	04-Jan-19
0001498054	-	Windshield washer	1	Gallon(GAL)	04-Jan-19
0001514571	-	RBS-35 CONCENTRATE	5	Kilograms(KG)	04-Jan-19
0001514572	-	RBS-35 CONCENTRATE	5	Kilograms(KG)	04-Jan-19
0001514573	1067-87-4	Diethyl allylphosphonate	25	Gram(GM)	04-Jan-19
0001514574	1067-87-4	Diethyl allylphosphonate	25	Gram(GM)	04-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001498059	-	ANTIFREEZE & COOLANT	1	Gallon(GAL)	04-Jan-19
0001514575	112-53-8	LAURYL ALCOHOL	100	Gram(GM)	04-Jan-19
0001514578	121-33-5	P-VANILLIN	100	Gram(GM)	04-Jan-19
0001514579	12054-85-2	AMMONIUM MOLYBDATE(VI) TETRAHYDRATE	50	Gram(GM)	04-Jan-19
0001514580	584-08-7	POTASSIUM CARBONATE	500	Gram(GM)	04-Jan-19
V000001E43	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	04-Jan-19
V000001E33	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	04-Jan-19
V000001E3D	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	04-Jan-19
V000001E34	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	04-Jan-19
V000001E35	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	04-Jan-19
V000001E37	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	04-Jan-19
V000001E39	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	04-Jan-19
V000001E3A	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	04-Jan-19
V000001E3B	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	04-Jan-19
V000001E3C	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	04-Jan-19
V000001E3E	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	04-Jan-19
V000001E3F	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	04-Jan-19
V000001E40	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	04-Jan-19
V000001E32	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	04-Jan-19
V000001E42	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	04-Jan-19
V000001E36	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	04-Jan-19
V000001E44	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	04-Jan-19
V000001E45	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	04-Jan-19
V000001E46	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	04-Jan-19
V000001E41	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	04-Jan-19
V000001E29	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	04-Jan-19
V000001E31	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	04-Jan-19
V000001E20	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	04-Jan-19
V000001E21	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	04-Jan-19
V000001E22	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	04-Jan-19
V000001E23	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	04-Jan-19
V000001E24	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	04-Jan-19
V000001E25	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	04-Jan-19
V000001E26	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	04-Jan-19
V000001E38	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	04-Jan-19
V000001E28	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	04-Jan-19
V000001E1F	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	04-Jan-19
V000001E2A	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	04-Jan-19
V000001E2B	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	04-Jan-19
V000001E2C	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	04-Jan-19
V000001E2D	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	04-Jan-19
V000001E2E	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	04-Jan-19
V000001E2F	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	04-Jan-19
V000001E30	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	04-Jan-19
V000001E27	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	04-Jan-19
0001514581	7757-82-6	SODIUM SULFATE ANHYDROUS	1	Kilograms(KG)	04-Jan-19
0001514582	12125-02-9	AMMONIUM CHLORIDE	1	Kilograms(KG)	04-Jan-19
0001514583	12125-02-9	AMMONIUM CHLORIDE	1	Kilograms(KG)	04-Jan-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001514584	7440-66-6	ZINC	250	Gram(GM)	04-Jan-19
0001514585	10217-52-4	HYDRAZINE HYDRATE	250	Milliliter(ML)	04-Jan-19
0001514586	1493-27-2	1-FLUORO-2-NITROBENZENE 99%	250	Gram(GM)	04-Jan-19
0001514587	-	PERFLUORONONANOIC ACID	25	Gram(GM)	04-Jan-19
0001514588	25155-30-0	SODIUM DODECYLBENZENESULFONATE	500	Gram(GM)	04-Jan-19
0001514589	10213-10-2	SODIUM TUNGSTATE DIHYDRATE	500	Gram(GM)	04-Jan-19
0001514590	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	04-Jan-19
0001514604	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	04-Jan-19
0001514609	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	04-Jan-19
0001514601	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	04-Jan-19
0001514599	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	04-Jan-19
0001514602	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	04-Jan-19
0001514603	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	04-Jan-19
0001514600	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	04-Jan-19
0001514605	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	04-Jan-19
0001514606	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	04-Jan-19
0001514598	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	04-Jan-19
0001514608	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	04-Jan-19
0001514592	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	04-Jan-19
0001514610	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	04-Jan-19
0001514611	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	04-Jan-19
0001514612	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	04-Jan-19
0001514613	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	04-Jan-19
0001514607	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	04-Jan-19
0001514596	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	04-Jan-19
0001514595	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	04-Jan-19
0001514593	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	04-Jan-19
0001514591	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	04-Jan-19
0001514597	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	04-Jan-19
0001514594	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	04-Jan-19
0001514614	-	3M Novec 72DA Engineered Fluid	1	Gallon(GAL)	04-Jan-19
0001514615	-	3M Novec 72DA Engineered Fluid	1	Gallon(GAL)	04-Jan-19
0001514616	-	Novec 71DA Engineered Fluid	1	Gallon(GAL)	04-Jan-19
0001514617	-	Novec 71DA Engineered Fluid	1	Gallon(GAL)	04-Jan-19
0001514619	110-00-9	FURAN	500	Milliliter(ML)	04-Jan-19
0001514620	109-99-9	TETRAHYDROFURAN	1	Liters(L)	04-Jan-19
0001514621	109-99-9	TETRAHYDROFURAN	1	Liters(L)	04-Jan-19
0001514622	109-99-9	TETRAHYDROFURAN	1	Liters(L)	04-Jan-19
0001514623	109-99-9	TETRAHYDROFURAN	1	Liters(L)	04-Jan-19
0001514624	109-89-7	DIETHYLAMINE	100	Milliliter(ML)	04-Jan-19
0001514625	109-89-7	DIETHYLAMINE	100	Milliliter(ML)	04-Jan-19
0001514626	75-76-3	TETRAMETHYLSILANE	100	Milliliter(ML)	04-Jan-19
0001514627	75-76-3	TETRAMETHYLSILANE	100	Milliliter(ML)	04-Jan-19
0001514628	106-70-7	METHYL HEXANOATE	100	Milliliter(ML)	04-Jan-19
0001514629	75-79-6	METHYLTRICHLOROSILANE	5	Gram(GM)	04-Jan-19
0001514630	67-64-1	ACETONE REAGENT ACS	4	Liters(L)	04-Jan-19
0001514631	67-64-1	ACETONE REAGENT ACS	4	Liters(L)	04-Jan-19
0001514633	67-64-1	ACETONE REAGENT ACS	4	Liters(L)	04-Jan-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001514632	67-64-1	ACETONE REAGENT ACS	4	Liters(L)	04-Jan-19
0001514654	584-08-7	POTASSIUM CARBONATE	100	Gram(GM)	04-Jan-19
0001514655	865-47-4	POTASSIUM-TERT-BUTOXIDE	25	Gram(GM)	04-Jan-19
0001514656	104-49-4	1 4-PHENYLENE DIISOCYANATE	100	Gram(GM)	04-Jan-19
0001514657	1310-73-2	SODIUM HYDROXIDE	500	Milliliter(ML)	04-Jan-19
0001514658	1310-73-2	LANL-5	500	Milliliter(ML)	04-Jan-19
0001514659	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	04-Jan-19
0001514661	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	04-Jan-19
0001514660	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	04-Jan-19
0001514662	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	04-Jan-19
0001514664	-	CLEAN UP SOLVENT (FOR INSTANT ADHESIVES)	2	Ounces(OZ)	04-Jan-19
0001514665	-	DOUBLE-BUBBLE EPOXY	350	Gram(GM)	04-Jan-19
0001514666	143-33-9	SODIUM CYANIDE	500	Gram(GM)	04-Jan-19
0001514667	865-47-4	POTASSIUM-TERT-BUTOXIDE	25	Gram(GM)	04-Jan-19
0001418880	-	SILICONE COMPOUND	50	Milliliter(ML)	04-Jan-19
0001418881	-	SILICONE COMPOUND	50	Milliliter(ML)	04-Jan-19
0001418882	-	SILICONE COMPOUND	50	Milliliter(ML)	04-Jan-19
0001418883	-	SILICONE COMPOUND	50	Milliliter(ML)	04-Jan-19
0001418884	-	SILICONE COMPOUND	50	Milliliter(ML)	04-Jan-19
0001418885	-	SILICONE COMPOUND	50	Milliliter(ML)	04-Jan-19
0001418886	-	SILICONE COMPOUND	50	Milliliter(ML)	04-Jan-19
0001418887	-	SILICONE COMPOUND	50	Milliliter(ML)	04-Jan-19
0001418888	-	SILICONE COMPOUND	50	Milliliter(ML)	04-Jan-19
0001418889	-	SILICONE COMPOUND	50	Milliliter(ML)	04-Jan-19
0001500319	-	fast setting cement	50	Pounds(LB)	04-Jan-19
0001500337	-	fast setting cement	50	Pounds(LB)	04-Jan-19
0001500322	-	fast setting cement	50	Pounds(LB)	04-Jan-19
0001500335	-	fast setting cement	50	Pounds(LB)	04-Jan-19
0001500336	-	fast setting cement	50	Pounds(LB)	04-Jan-19
0001500323	-	fast setting cement	50	Pounds(LB)	04-Jan-19
0001500334	-	fast setting cement	50	Pounds(LB)	04-Jan-19
0001500327	-	fast setting cement	50	Pounds(LB)	04-Jan-19
0001500321	-	fast setting cement	50	Pounds(LB)	04-Jan-19
0001500320	-	fast setting cement	50	Pounds(LB)	04-Jan-19
0001500333	-	fast setting cement	50	Pounds(LB)	04-Jan-19
0001500332	-	fast setting cement	50	Pounds(LB)	04-Jan-19
0001500331	-	fast setting cement	50	Pounds(LB)	04-Jan-19
0001500330	-	fast setting cement	50	Pounds(LB)	04-Jan-19
0001500329	-	fast setting cement	50	Pounds(LB)	04-Jan-19
0001500324	-	fast setting cement	50	Pounds(LB)	04-Jan-19
0001500338	-	fast setting cement	50	Pounds(LB)	04-Jan-19
0001500326	-	fast setting cement	50	Pounds(LB)	04-Jan-19
0001500325	-	fast setting cement	50	Pounds(LB)	04-Jan-19
0001500328	-	fast setting cement	50	Pounds(LB)	04-Jan-19
0001500205	-	FLOOR PATCH RENEWAL COMPOSITE	10	Pounds(LB)	04-Jan-19
0001500208	-	FLOOR PATCH RENEWAL COMPOSITE	10	Pounds(LB)	04-Jan-19
0001500206	-	FLOOR PATCH RENEWAL COMPOSITE	10	Pounds(LB)	04-Jan-19
0001500207	-	FLOOR PATCH RENEWAL COMPOSITE	10	Pounds(LB)	04-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001500209	-	FLOOR PATCH RENEWAL COMPOSITE	10	Pounds(LB)	04-Jan-19
0001500211	-	FLOOR PATCH RENEWAL COMPOSITE	10	Pounds(LB)	04-Jan-19
0001500212	-	FLOOR PATCH RENEWAL COMPOSITE	10	Pounds(LB)	04-Jan-19
0001500210	-	FLOOR PATCH RENEWAL COMPOSITE	10	Pounds(LB)	04-Jan-19
0001500309	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500311	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500318	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500312	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500313	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500314	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500315	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500316	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500317	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500310	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500391	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500392	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500419	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500412	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500413	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500422	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500414	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500415	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500416	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500418	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500409	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500420	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500421	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500423	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500425	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500426	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500427	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500428	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500417	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500401	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500393	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500394	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500395	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500396	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500397	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500398	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500411	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500400	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500410	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500402	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500403	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500404	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500405	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500406	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001500407	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500408	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500399	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500424	-	Premium Blue HEAVY DUTY DIESEL SAE 15W-40	1	Gallon(GAL)	07-Jan-19
0001500429	-	Finium DTM-AT S/G Acrylic N/B	121.6	Ounces(OZ)	07-Jan-19
0001500430	-	Finium DTM-AT S/G Acrylic N/B	121.6	Ounces(OZ)	07-Jan-19
0001500431	-	Finium DTM-AT S/G Acrylic N/B	121.6	Ounces(OZ)	07-Jan-19
0001500432	-	Finium DTM-AT S/G Acrylic W/B	121.6	Ounces(OZ)	07-Jan-19
0001500433	-	Finium DTM-AT S/G Acrylic W/B	121.6	Ounces(OZ)	07-Jan-19
0001500434	-	Finium DTM-AT S/G Acrylic W/B	121.6	Ounces(OZ)	07-Jan-19
V000001E52	-	Cote All Gloss Jet Black	128	Ounces(OZ)	07-Jan-19
V000001E53	-	Cote All Gloss Jet Black	128	Ounces(OZ)	07-Jan-19
V000001E51	-	Cote All Gloss Jet Black	128	Ounces(OZ)	07-Jan-19
0001500435	-	PSX 700 LIGHT TINT RESIN	0.77	Gallon(GAL)	07-Jan-19
0001500436	-	PSX 700 LIGHT TINT RESIN	0.77	Gallon(GAL)	07-Jan-19
0001500437	-	PSX 700 LIGHT TINT RESIN	0.77	Gallon(GAL)	07-Jan-19
0001500438	-	PSX 700 LIGHT TINT RESIN	0.77	Gallon(GAL)	07-Jan-19
V000001E5A	-	PSX 700 pearl gray resin	0.8	Gallon(GAL)	07-Jan-19
V000001E5F	-	PSX 700 pearl gray resin	0.8	Gallon(GAL)	07-Jan-19
V000001E5E	-	PSX 700 pearl gray resin	0.8	Gallon(GAL)	07-Jan-19
V000001E5D	-	PSX 700 pearl gray resin	0.8	Gallon(GAL)	07-Jan-19
V000001E5B	-	PSX 700 pearl gray resin	0.8	Gallon(GAL)	07-Jan-19
V000001E59	-	PSX 700 pearl gray resin	0.8	Gallon(GAL)	07-Jan-19
V000001E58	-	PSX 700 pearl gray resin	0.8	Gallon(GAL)	07-Jan-19
V000001E57	-	PSX 700 pearl gray resin	0.8	Gallon(GAL)	07-Jan-19
V000001E56	-	PSX 700 pearl gray resin	0.8	Gallon(GAL)	07-Jan-19
V000001E55	-	PSX 700 pearl gray resin	0.8	Gallon(GAL)	07-Jan-19
V000001E54	-	PSX 700 pearl gray resin	0.8	Gallon(GAL)	07-Jan-19
V000001E5C	-	PSX 700 pearl gray resin	0.8	Gallon(GAL)	07-Jan-19
0001500439	-	PSX 700 LIGHT TINT RESIN	0.77	Gallon(GAL)	07-Jan-19
0001500442	-	PSX 700 LIGHT TINT RESIN	0.77	Gallon(GAL)	07-Jan-19
0001500441	-	PSX 700 LIGHT TINT RESIN	0.77	Gallon(GAL)	07-Jan-19
0001500440	-	PSX 700 LIGHT TINT RESIN	0.77	Gallon(GAL)	07-Jan-19
0001500443	-	Finium DTM-AT S/G Acrylic D/B	117.8	Ounces(OZ)	07-Jan-19
0001500444	-	Finium DTM-AT S/G Acrylic D/B	117.8	Ounces(OZ)	07-Jan-19
0001500445	-	Finium DTM-AT S/G Acrylic D/B	117.8	Ounces(OZ)	07-Jan-19
0001500446	-	PSX 700 CURE US	0.2	Gallon(GAL)	07-Jan-19
0001500450	-	PSX 700 CURE US	0.2	Gallon(GAL)	07-Jan-19
0001500461	-	PSX 700 CURE US	0.2	Gallon(GAL)	07-Jan-19
0001500460	-	PSX 700 CURE US	0.2	Gallon(GAL)	07-Jan-19
0001500459	-	PSX 700 CURE US	0.2	Gallon(GAL)	07-Jan-19
0001500458	-	PSX 700 CURE US	0.2	Gallon(GAL)	07-Jan-19
0001500457	-	PSX 700 CURE US	0.2	Gallon(GAL)	07-Jan-19
0001500456	-	PSX 700 CURE US	0.2	Gallon(GAL)	07-Jan-19
0001500455	-	PSX 700 CURE US	0.2	Gallon(GAL)	07-Jan-19
0001500462	-	PSX 700 CURE US	0.2	Gallon(GAL)	07-Jan-19
0001500451	-	PSX 700 CURE US	0.2	Gallon(GAL)	07-Jan-19
0001500454	-	PSX 700 CURE US	0.2	Gallon(GAL)	07-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001500449	-	PSX 700 CURE US	0.2	Gallon(GAL)	07-Jan-19
0001500448	-	PSX 700 CURE US	0.2	Gallon(GAL)	07-Jan-19
0001500447	-	PSX 700 CURE US	0.2	Gallon(GAL)	07-Jan-19
0001500453	-	PSX 700 CURE US	0.2	Gallon(GAL)	07-Jan-19
0001500452	-	PSX 700 CURE US	0.2	Gallon(GAL)	07-Jan-19
V000001E60	-	COTE ALL WHITE BASE	123.9	Ounces(OZ)	07-Jan-19
V000001E61	-	COTE ALL WHITE BASE	123.9	Ounces(OZ)	07-Jan-19
V000001E62	-	COTE ALL WHITE BASE	123.9	Ounces(OZ)	07-Jan-19
V000001E63	-	COTE ALL WHITE BASE	123.9	Ounces(OZ)	07-Jan-19
V000001E67	-	Cote All Gloss Jet Black	128	Ounces(OZ)	07-Jan-19
V000001E64	-	Cote All Gloss Jet Black	128	Ounces(OZ)	07-Jan-19
V000001E65	-	Cote All Gloss Jet Black	128	Ounces(OZ)	07-Jan-19
V000001E66	-	Cote All Gloss Jet Black	128	Ounces(OZ)	07-Jan-19
0001498060	-	STA-BIL FUEL STABILIZER	8	Ounces(OZ)	07-Jan-19
0001498061	-	STA-BIL FUEL STABILIZER	32	Ounces(OZ)	07-Jan-19
0001498062	-	STA-BIL FUEL STABILIZER	16	Ounces(OZ)	07-Jan-19
0001498064	-	STA-BIL FUEL STABILIZER	16	Ounces(OZ)	07-Jan-19
0001498063	-	STA-BIL FUEL STABILIZER	16	Ounces(OZ)	07-Jan-19
0001500848	-	FIREFIGHTER GL48	5	Gallon(GAL)	07-Jan-19
0001500849	-	FIREFIGHTER GL48	5	Gallon(GAL)	07-Jan-19
0001386711	-	MOBIL SHC 629	1	Quarts(QT)	07-Jan-19
0001500850	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	07-Jan-19
0001498065	-	STARTING FLUID FOR DIESEL AND GASOLINE	10.7	Ounces(OZ)	07-Jan-19
0001498073	-	STARTING FLUID FOR DIESEL AND GASOLINE	10.7	Ounces(OZ)	07-Jan-19
0001498078	-	STARTING FLUID FOR DIESEL AND GASOLINE	10.7	Ounces(OZ)	07-Jan-19
0001498081	-	STARTING FLUID FOR DIESEL AND GASOLINE	10.7	Ounces(OZ)	07-Jan-19
0001498080	-	STARTING FLUID FOR DIESEL AND GASOLINE	10.7	Ounces(OZ)	07-Jan-19
0001498079	-	STARTING FLUID FOR DIESEL AND GASOLINE	10.7	Ounces(OZ)	07-Jan-19
0001498077	-	STARTING FLUID FOR DIESEL AND GASOLINE	10.7	Ounces(OZ)	07-Jan-19
0001498076	-	STARTING FLUID FOR DIESEL AND GASOLINE	10.7	Ounces(OZ)	07-Jan-19
0001498066	-	STARTING FLUID FOR DIESEL AND GASOLINE	10.7	Ounces(OZ)	07-Jan-19
0001498074	-	STARTING FLUID FOR DIESEL AND GASOLINE	10.7	Ounces(OZ)	07-Jan-19
0001498071	-	STARTING FLUID FOR DIESEL AND GASOLINE	10.7	Ounces(OZ)	07-Jan-19
0001498072	-	STARTING FLUID FOR DIESEL AND GASOLINE	10.7	Ounces(OZ)	07-Jan-19
0001498070	-	STARTING FLUID FOR DIESEL AND GASOLINE	10.7	Ounces(OZ)	07-Jan-19
0001498067	-	STARTING FLUID FOR DIESEL AND GASOLINE	10.7	Ounces(OZ)	07-Jan-19
0001498068	-	STARTING FLUID FOR DIESEL AND GASOLINE	10.7	Ounces(OZ)	07-Jan-19
0001498075	-	STARTING FLUID FOR DIESEL AND GASOLINE	10.7	Ounces(OZ)	07-Jan-19
0001498069	-	STARTING FLUID FOR DIESEL AND GASOLINE	10.7	Ounces(OZ)	07-Jan-19
V000001E93	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	07-Jan-19
V000001E8A	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	07-Jan-19
V000001E8C	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	07-Jan-19
V000001E8D	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	07-Jan-19
V000001E8E	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	07-Jan-19
V000001E8F	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	07-Jan-19
V000001E90	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	07-Jan-19
V000001E88	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	07-Jan-19
V000001E92	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	07-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000001E89	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	07-Jan-19
V000001E94	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	07-Jan-19
V000001E95	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	07-Jan-19
V000001E96	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	07-Jan-19
V000001E97	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	07-Jan-19
V000001E98	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	07-Jan-19
V000001E91	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	07-Jan-19
V000001E7F	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	07-Jan-19
V000001E79	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	07-Jan-19
V000001E7A	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	07-Jan-19
V000001E7B	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	07-Jan-19
V000001E7C	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	07-Jan-19
V000001E8B	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	07-Jan-19
V000001E7E	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	07-Jan-19
V000001E87	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	07-Jan-19
V000001E80	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	07-Jan-19
V000001E81	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	07-Jan-19
V000001E82	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	07-Jan-19
V000001E83	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	07-Jan-19
V000001E84	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	07-Jan-19
V000001E85	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	07-Jan-19
V000001E86	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	07-Jan-19
V000001E7D	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	07-Jan-19
0001500200	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	07-Jan-19
0001500199	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	07-Jan-19
0001498082	-	Cat Hydraulic Oil (HYDO) SAE 10W	5	Gallon(GAL)	07-Jan-19
0001498085	-	Cat Hydraulic Oil (HYDO) SAE 10W	5	Gallon(GAL)	07-Jan-19
0001498083	-	Cat Hydraulic Oil (HYDO) SAE 10W	5	Gallon(GAL)	07-Jan-19
0001498084	-	Cat Hydraulic Oil (HYDO) SAE 10W	5	Gallon(GAL)	07-Jan-19
0001498087	-	SPLASH WINDSHIELD WASHER FLUID	1	Gallon(GAL)	07-Jan-19
0001498101	-	SPLASH WINDSHIELD WASHER FLUID	1	Gallon(GAL)	07-Jan-19
0001498100	-	SPLASH WINDSHIELD WASHER FLUID	1	Gallon(GAL)	07-Jan-19
0001498099	-	SPLASH WINDSHIELD WASHER FLUID	1	Gallon(GAL)	07-Jan-19
0001498098	-	SPLASH WINDSHIELD WASHER FLUID	1	Gallon(GAL)	07-Jan-19
0001498097	-	SPLASH WINDSHIELD WASHER FLUID	1	Gallon(GAL)	07-Jan-19
0001498102	-	SPLASH WINDSHIELD WASHER FLUID	1	Gallon(GAL)	07-Jan-19
0001498095	-	SPLASH WINDSHIELD WASHER FLUID	1	Gallon(GAL)	07-Jan-19
0001498090	-	SPLASH WINDSHIELD WASHER FLUID	1	Gallon(GAL)	07-Jan-19
0001498094	-	SPLASH WINDSHIELD WASHER FLUID	1	Gallon(GAL)	07-Jan-19
0001498093	-	SPLASH WINDSHIELD WASHER FLUID	1	Gallon(GAL)	07-Jan-19
0001498092	-	SPLASH WINDSHIELD WASHER FLUID	1	Gallon(GAL)	07-Jan-19
0001498091	-	SPLASH WINDSHIELD WASHER FLUID	1	Gallon(GAL)	07-Jan-19
0001498089	-	SPLASH WINDSHIELD WASHER FLUID	1	Gallon(GAL)	07-Jan-19
0001498088	-	SPLASH WINDSHIELD WASHER FLUID	1	Gallon(GAL)	07-Jan-19
0001498096	-	SPLASH WINDSHIELD WASHER FLUID	1	Gallon(GAL)	07-Jan-19
0001498104	-	SPLASH WINDSHIELD WASHER FLUID	1	Gallon(GAL)	07-Jan-19
0001498105	-	SPLASH WINDSHIELD WASHER FLUID	1	Gallon(GAL)	07-Jan-19
0001498106	-	SPLASH WINDSHIELD WASHER FLUID	1	Gallon(GAL)	07-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001498107	-	SPLASH WINDSHIELD WASHER FLUID	1	Gallon(GAL)	07-Jan-19
0001498108	-	SPLASH WINDSHIELD WASHER FLUID	1	Gallon(GAL)	07-Jan-19
0001498103	-	SPLASH WINDSHIELD WASHER FLUID	1	Gallon(GAL)	07-Jan-19
0001498109	-	SPLASH WINDSHIELD WASHER FLUID	1	Gallon(GAL)	07-Jan-19
0001498086	-	SPLASH WINDSHIELD WASHER FLUID	1	Gallon(GAL)	07-Jan-19
0001472421	-	SPLASH WINDSHIELD WASHER FLUID	1	Gallon(GAL)	07-Jan-19
0001498110	-	SPLASH WINDSHIELD WASHER FLUID	1	Gallon(GAL)	07-Jan-19
V000001EA7	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001EA1	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001EAB	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001EAA	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001EA9	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001EAC	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001EA8	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001EA5	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001EA4	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001EA2	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001EA3	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001EA6	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	07-Jan-19
0001498111	-	POWER STEERING FLUID	12	Ounces(OZ)	07-Jan-19
0001498112	-	ANTIFREEZE/COOLANT	1	Gallon(GAL)	07-Jan-19
0001498114	-	ANTIFREEZE/COOLANT	1	Gallon(GAL)	07-Jan-19
0001498113	-	ANTIFREEZE/COOLANT	1	Gallon(GAL)	07-Jan-19
V000001EB5	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	07-Jan-19
0001500153	-	CONCRETE MIX	50	Pounds(LB)	07-Jan-19
0001500156	-	CONCRETE MIX	50	Pounds(LB)	07-Jan-19
0001500164	-	CONCRETE MIX	50	Pounds(LB)	07-Jan-19
0001500155	-	CONCRETE MIX	50	Pounds(LB)	07-Jan-19
0001500157	-	CONCRETE MIX	50	Pounds(LB)	07-Jan-19
0001500158	-	CONCRETE MIX	50	Pounds(LB)	07-Jan-19
0001500159	-	CONCRETE MIX	50	Pounds(LB)	07-Jan-19
0001500163	-	CONCRETE MIX	50	Pounds(LB)	07-Jan-19
0001500160	-	CONCRETE MIX	50	Pounds(LB)	07-Jan-19
0001500165	-	CONCRETE MIX	50	Pounds(LB)	07-Jan-19
0001500161	-	CONCRETE MIX	50	Pounds(LB)	07-Jan-19
0001500162	-	CONCRETE MIX	50	Pounds(LB)	07-Jan-19
0001500154	-	CONCRETE MIX	50	Pounds(LB)	07-Jan-19
V000001ED4	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001EDB	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001EDA	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001ED9	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001ED8	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001ED7	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001EDC	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001ED5	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001EE1	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001ED3	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001ED2	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000001ED1	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001ED6	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001EDD	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001EDE	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001EE0	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001EE2	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001EE3	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001EE4	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001EE5	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001EE6	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001EE7	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001EE8	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001ED0	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001EE9	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001EBC	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001EDF	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001EBB	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001ECF	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001EBE	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001EB6	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001EB7	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001EB8	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001EBA	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001EBD	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001EBF	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001EC0	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001EC1	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001EC2	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001ECA	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001ECE	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001ECD	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001EB9	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001EC3	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001ECC	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001ECB	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001EC9	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001EC8	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001EC7	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001EC6	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001EC5	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001EC4	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	07-Jan-19
V000001EFD	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001EFC	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F0A	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F02	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001EFB	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001EFF	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F00	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	07-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000001F01	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001EFE	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F03	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F05	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F07	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F09	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001EFA	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F04	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F0B	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F0C	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F08	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001EEC	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001EF9	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F06	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001EEB	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001EED	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001EEE	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001EEF	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001EF0	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001EF2	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001EF3	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001EF4	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001EF5	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001EF6	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001EF1	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001EF8	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001EEA	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001EF7	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F51	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F4A	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F4B	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F4C	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F4D	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F4E	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F50	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F52	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F49	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F40	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F4F	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F48	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F47	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F46	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F45	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F44	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F43	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F53	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F41	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F5D	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000001F3F	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F3E	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F3D	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F42	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F61	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F6B	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F29	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F3C	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F6A	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F69	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F68	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F67	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F66	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F65	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F64	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F5B	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F62	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F54	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F60	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F5F	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F5E	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F5C	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F5A	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F59	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F58	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F57	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F56	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F55	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F63	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F16	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F23	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F22	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F21	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F20	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F1F	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F1E	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F1D	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F1B	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F19	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F24	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F17	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F1C	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F15	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F14	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F13	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F12	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F11	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F10	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000001F0F	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F0E	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F0D	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F18	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F37	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F3A	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F1A	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F38	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F25	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F36	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F35	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F34	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F33	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F32	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F31	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F30	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F28	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F39	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F2F	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F27	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F3B	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F2A	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F2B	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F2C	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F2D	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F2E	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
V000001F26	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	07-Jan-19
0001500845	-	Part A: PC-3 Series Part B: PC-B - KIT	1.25	Pounds(LB)	08-Jan-19
0001500844	-	Part A: PC-3 Series Part B: PC-B - KIT	2.5	Pounds(LB)	08-Jan-19
0001500846	-	PC-3 BLACK EPOXY CEMENT	2.5	Pounds(LB)	08-Jan-19
0001500847	-	PC-3 BLACK EPOXY CEMENT	1.25	Pounds(LB)	08-Jan-19
0001514719	-	ROTO-XTEND	5	Gallon(GAL)	08-Jan-19
0001514720	-	ROTO-XTEND	5	Gallon(GAL)	08-Jan-19
0001514721	-	GRAM STAIN SET	8	Ounces(OZ)	08-Jan-19
0001514722	-	ANION EXCHANGE RESIN AG 1-X8 100-200	500	Gram(GM)	08-Jan-19
0001514674	-	ASACLEAN SL	44	Pounds(LB)	08-Jan-19
0001514680	-	ASACLEAN SL	44	Pounds(LB)	08-Jan-19
0001514679	-	ASACLEAN SL	44	Pounds(LB)	08-Jan-19
0001514675	-	ASACLEAN SL	44	Pounds(LB)	08-Jan-19
0001514677	-	ASACLEAN SL	44	Pounds(LB)	08-Jan-19
0001514678	-	ASACLEAN SL	44	Pounds(LB)	08-Jan-19
0001514676	-	ASACLEAN SL	44	Pounds(LB)	08-Jan-19
0001514681	-	ASACLEAN UP	250	Pounds(LB)	08-Jan-19
0001514682	-	ASACLEAN UP	250	Pounds(LB)	08-Jan-19
0001514683	-	ASACLEAN NF	55	Pounds(LB)	08-Jan-19
0001514723	1445-75-6	DIISOPROPYL METHYLPHOSPHONATE	100	Gram(GM)	08-Jan-19
0001514724	930-68-7	2-CYCLOHEXEN-1-ONE	25	Milliliter(ML)	08-Jan-19
0001514791	2037-26-5	TOLUENE-D8	10	Milliliter(ML)	08-Jan-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001514792	2037-26-5	TOLUENE-D8	10	Milliliter(ML)	08-Jan-19
0001514793	7447-39-4	COPPER (II) CHLORIDE 99.999%	10	Gram(GM)	08-Jan-19
0001514794	25322-68-3	POLYETHYLENE GLYCOL 400	500	Gram(GM)	08-Jan-19
0001514797	25322-68-3	POLYETHYLENE GLYCOL 400	500	Gram(GM)	08-Jan-19
0001514796	25322-68-3	POLYETHYLENE GLYCOL 400	500	Gram(GM)	08-Jan-19
0001514795	25322-68-3	POLYETHYLENE GLYCOL 400	500	Gram(GM)	08-Jan-19
0001514798	63148-52-7	Silicone oil AP 150 Wacker	1	Liters(L)	08-Jan-19
0001514799	50-99-7	D-GLUCOSE (DEXTROSE ANHYDROUS)	500	Gram(GM)	08-Jan-19
0001514800	-	DOW CORNING SYLGARD 186 SILICONE	1.1	Pounds(LB)	08-Jan-19
0001514802	-	DOW CORNING SYLGARD 186 SILICONE	1.1	Pounds(LB)	08-Jan-19
0001514801	-	DOW CORNING SYLGARD 186 SILICONE	1.1	Pounds(LB)	08-Jan-19
0001514808	1336-21-6	AMMONIUM HYDROXIDE	1	Liters(L)	08-Jan-19
0001514809	7440-69-9	BISMUTH	500	Gram(GM)	08-Jan-19
0001514810	7440-69-9	BISMUTH	500	Gram(GM)	08-Jan-19
0001514811	-	LEAK DETECTOR	2.65	Pint(PT)	08-Jan-19
0001514812	7447-39-4	COPPER (II) CHLORIDE ANHYDROUS	50	Gram(GM)	08-Jan-19
0001514813	7447-39-4	COPPER (II) CHLORIDE ANHYDROUS	50	Gram(GM)	08-Jan-19
0001514814	7758-89-6	COPPER(I) CHLORIDE	25	Gram(GM)	08-Jan-19
0000984325	-	NALCO 1720 OXYGEN SCAVENGER SOLUTION	528	Pounds(LB)	08-Jan-19
0000984326	-	TRI-ACT 1820 CORROSION IN	450	Pounds(LB)	08-Jan-19
0000984327	-	Nalco 22341	503	Pounds(LB)	08-Jan-19
0000984328	-	NALCO 8735 ALKALINEITY SO	639	Pounds(LB)	08-Jan-19
0000984329	-	NALCO 7408 CHLORINE SCAVENGER SOLUTION	55	Gram(GM)	08-Jan-19
0000984330	-	NALCO 7408 CHLORINE SCAVENGER SOLUTION	55	Gram(GM)	08-Jan-19
0001514668	2758-18-1	3-METHYL-2-CYCLOPENTEN-1-ONE	25	Milliliter(ML)	08-Jan-19
0001514669	56-72-4	COUMAPHOS	250	Milligram(MG)	08-Jan-19
0001514670	56-72-4	COUMAPHOS	250	Milligram(MG)	08-Jan-19
0001514671	93-35-6	UMBILLIFERONE (7-HYDROXYCOUMARIN)	25	Gram(GM)	08-Jan-19
0001514672	57-50-1	SUCROSE	1	Kilograms(KG)	08-Jan-19
0001514684	107-21-1	Dyna-Flux Blue Defense 929 Recirculator and	4	Gallon(GAL)	08-Jan-19
0001514686	107-21-1	Dyna-Flux Blue Defense 929 Recirculator and	4	Gallon(GAL)	08-Jan-19
0001514687	107-21-1	Dyna-Flux Blue Defense 929 Recirculator and	4	Gallon(GAL)	08-Jan-19
0001514688	107-21-1	Dyna-Flux Blue Defense 929 Recirculator and	4	Gallon(GAL)	08-Jan-19
0001514689	107-21-1	Dyna-Flux Blue Defense 929 Recirculator and	4	Gallon(GAL)	08-Jan-19
0001514690	107-21-1	Dyna-Flux Blue Defense 929 Recirculator and	4	Gallon(GAL)	08-Jan-19
0001514691	107-21-1	Dyna-Flux Blue Defense 929 Recirculator and	4	Gallon(GAL)	08-Jan-19
0001514685	107-21-1	Dyna-Flux Blue Defense 929 Recirculator and	4	Gallon(GAL)	08-Jan-19
0001514692	7647-14-5	SODIUM CHLORIDE CERTIFIED ACS	1	Kilograms(KG)	08-Jan-19
0001514693	7647-14-5	SODIUM CHLORIDE CERTIFIED ACS	1	Kilograms(KG)	08-Jan-19
0001514694	67-64-1	ACETONE REAGENT ACS	4	Liters(L)	08-Jan-19
0001514697	67-64-1	ACETONE REAGENT ACS	4	Liters(L)	08-Jan-19
0001514696	67-64-1	ACETONE REAGENT ACS	4	Liters(L)	08-Jan-19
0001514695	67-64-1	ACETONE REAGENT ACS	4	Liters(L)	08-Jan-19
0001514698	67-56-1	METHANOL REAGENT ACS	4	Liters(L)	08-Jan-19
0001514699	67-56-1	METHANOL REAGENT ACS	4	Liters(L)	08-Jan-19
0001514700	67-56-1	METHANOL REAGENT ACS	4	Liters(L)	08-Jan-19
0001514701	67-56-1	METHANOL REAGENT ACS	4	Liters(L)	08-Jan-19
0001514702	64-17-5	ETHANOL 200 PROOF	4	Liters(L)	08-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001514703	64-17-5	ETHANOL 200 PROOF	4	Liters(L)	08-Jan-19
0001514704	64-17-5	ETHANOL 200 PROOF	4	Liters(L)	08-Jan-19
0001514705	64-17-5	ETHANOL 200 PROOF	4	Liters(L)	08-Jan-19
0001514706	73513-42-5	HEXANES	4	Liters(L)	08-Jan-19
0001514707	73513-42-5	HEXANES	4	Liters(L)	08-Jan-19
0001514708	73513-42-5	HEXANES	4	Liters(L)	08-Jan-19
0001514709	73513-42-5	HEXANES	4	Liters(L)	08-Jan-19
0001514710	141-78-6	ETHYL ACETATE	4	Liters(L)	08-Jan-19
0001514711	141-78-6	ETHYL ACETATE	4	Liters(L)	08-Jan-19
0001514713	141-78-6	ETHYL ACETATE	4	Liters(L)	08-Jan-19
0001514712	141-78-6	ETHYL ACETATE	4	Liters(L)	08-Jan-19
0001514815	67-64-1	ACETONE	500	Milliliter(ML)	08-Jan-19
0001514816	67-64-1	ACETONE	500	Milliliter(ML)	08-Jan-19
0001514817	9048-46-8	BOVINE SERUM ALBUMIN	5	Gram(GM)	08-Jan-19
0001514818	9048-46-8	BOVINE SERUM ALBUMIN	5	Gram(GM)	08-Jan-19
0001514819	26780-50-7	Resomer RG 752 H; Poly(D L-lactide-co-glycolide)	5	Gram(GM)	08-Jan-19
0001514820	26780-50-7	Resomer RG 752 H; Poly(D L-lactide-co-glycolide)	5	Gram(GM)	08-Jan-19
0001514821	26780-50-7	Resomer RG 503 H; Poly(D L-lactide-co-glycolide)	5	Gram(GM)	08-Jan-19
0001514822	26780-50-7	Resomer RG 503 H; Poly(D L-lactide-co-glycolide)	5	Gram(GM)	08-Jan-19
0001514823	26780-50-7	Resomer RG 502 H; Poly(D L-lactide-co-glycolide)	5	Gram(GM)	08-Jan-19
0001514824	26780-50-7	Resomer RG 502 H; Poly(D L-lactide-co-glycolide)	5	Gram(GM)	08-Jan-19
0001514825	26780-50-7	POLY(DL-LACTIDE-CO-GLYCOLIDE)	5	Gram(GM)	08-Jan-19
0001514826	26780-50-7	POLY(DL-LACTIDE-CO-GLYCOLIDE)	5	Gram(GM)	08-Jan-19
0001514827	108-73-6	PHLOROGLUCINOL	25	Gram(GM)	08-Jan-19
0001514828	1344-28-1	ALUMINUM OXIDE	1	Kilograms(KG)	08-Jan-19
0001514829	14898-67-0	RUTHENIUM(III)CHLORIDE HYDRATE	1	Gallon(GAL)	08-Jan-19
0001498115	-	MOBIL 1 5W-50	1	Quarts(QT)	08-Jan-19
0001498131	-	MOBIL 1 5W-50	1	Quarts(QT)	08-Jan-19
0001498130	-	MOBIL 1 5W-50	1	Quarts(QT)	08-Jan-19
0001498132	-	MOBIL 1 5W-50	1	Quarts(QT)	08-Jan-19
0001498128	-	MOBIL 1 5W-50	1	Quarts(QT)	08-Jan-19
0001498127	-	MOBIL 1 5W-50	1	Quarts(QT)	08-Jan-19
0001498126	-	MOBIL 1 5W-50	1	Quarts(QT)	08-Jan-19
0001498124	-	MOBIL 1 5W-50	1	Quarts(QT)	08-Jan-19
0001498123	-	MOBIL 1 5W-50	1	Quarts(QT)	08-Jan-19
0001498122	-	MOBIL 1 5W-50	1	Quarts(QT)	08-Jan-19
0001498121	-	MOBIL 1 5W-50	1	Quarts(QT)	08-Jan-19
0001498120	-	MOBIL 1 5W-50	1	Quarts(QT)	08-Jan-19
0001498119	-	MOBIL 1 5W-50	1	Quarts(QT)	08-Jan-19
0001498118	-	MOBIL 1 5W-50	1	Quarts(QT)	08-Jan-19
0001498117	-	MOBIL 1 5W-50	1	Quarts(QT)	08-Jan-19
0001498116	-	MOBIL 1 5W-50	1	Quarts(QT)	08-Jan-19
0001498129	-	MOBIL 1 5W-50	1	Quarts(QT)	08-Jan-19
0001498125	-	MOBIL 1 5W-50	1	Quarts(QT)	08-Jan-19
0001498133	-	MOBIL 1 0W-40	5	Quarts(QT)	08-Jan-19
0001498134	-	MOBIL 1 0W-40	5	Quarts(QT)	08-Jan-19
0001514830	513-85-9	2 3-BUTANEDIOL	100	Gram(GM)	08-Jan-19
0001514831	56-86-0	GLUTAMIC ACID	500	Gram(GM)	08-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001514832	7440-41-7	BERYLLIUM STANDARD	125	Milliliter(ML)	08-Jan-19
0001514833	67-63-0	2-PROPANOL	500	Milliliter(ML)	08-Jan-19
0001514834	67-63-0	2-PROPANOL	1	Liters(L)	08-Jan-19
0001514835	116-09-6	HYDROXYACETONE	100	Gram(GM)	08-Jan-19
0001514836	493-52-7	METHYL RED	100	Milliliter(ML)	08-Jan-19
0001514837	10043-52-4	CALCIUM CHLORIDE ANHYDROUS	500	Gram(GM)	08-Jan-19
0001514838	3695-77-0	TRIPHENYLMETHANETHIOL	5	Gram(GM)	08-Jan-19
0001514839	91-60-1	2-NAPHTHALENETHIOL	5	Gram(GM)	08-Jan-19
0001514840	91-20-3	NAPHTHALENE	25	Gram(GM)	08-Jan-19
0001514841	91-20-3	NAPHTHALENE	25	Gram(GM)	08-Jan-19
0001514842	23308-83-0	(2-Nitrobenzyl)triphenylphosphonium bromide	2	Gram(GM)	08-Jan-19
0001514843	14459-95-1	POTASSIUM HEXACYANOFERRATE(II)	25	Gram(GM)	08-Jan-19
0001514844	14282-91-8	HEXAAMMINERUTHENIUM(III) CHLORIDE	1	Gram(GM)	08-Jan-19
0001514845	75365-73-0	METHYL VIOLOGEN DICHLORIDE HYDRATE	1	Gram(GM)	08-Jan-19
0001514846	16872-11-0	TETRAFLUOROBORIC ACID LIQUID 48%	500	Gram(GM)	08-Jan-19
0001514847	60-29-7	DIETHYL ETHER	1	Liters(L)	08-Jan-19
0001514863	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514905	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514904	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514903	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514902	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514881	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514880	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514883	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514920	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514901	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514900	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514892	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514895	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514894	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514893	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514887	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514891	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514889	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514888	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514906	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514885	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514886	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514899	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514898	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514897	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514896	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514890	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514911	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514924	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514925	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514926	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514927	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001514928	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514929	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514930	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514931	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514932	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514933	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514934	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514919	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514921	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514907	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514912	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514913	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514914	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514915	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514916	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514917	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514923	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514918	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514882	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514910	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514909	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514908	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514922	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514866	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514879	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514884	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514865	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514867	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514868	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514869	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514870	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514871	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514872	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514873	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514874	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514875	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514876	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514878	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514877	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514864	112926-00-8	SILICA GEL DESICCANT 6-16 MESH	30	Pounds(LB)	08-Jan-19
0001514935	7697-37-2	NITRIC ACID	2.5	Liters(L)	08-Jan-19
0001514938	7697-37-2	NITRIC ACID	2.5	Liters(L)	08-Jan-19
0001514937	7697-37-2	NITRIC ACID	2.5	Liters(L)	08-Jan-19
0001514939	7697-37-2	NITRIC ACID	2.5	Liters(L)	08-Jan-19
0001514941	7697-37-2	NITRIC ACID	2.5	Liters(L)	08-Jan-19
0001514936	7697-37-2	NITRIC ACID	2.5	Liters(L)	08-Jan-19
0001514942	7697-37-2	NITRIC ACID	2.5	Liters(L)	08-Jan-19
0001514940	7697-37-2	NITRIC ACID	2.5	Liters(L)	08-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001515007	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515026	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515025	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515027	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515028	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515024	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515030	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515014	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515029	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515031	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515008	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515009	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515010	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515011	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515012	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515013	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515016	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515015	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515023	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515017	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515018	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515019	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515020	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515021	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515022	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515042	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515067	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515040	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515058	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515059	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515060	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515061	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515062	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515050	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515066	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515049	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515068	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515069	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515051	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515052	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515053	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515054	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515064	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515063	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515033	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515034	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515035	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515036	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001515037	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515038	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515057	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515041	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515032	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515043	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515044	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515045	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515046	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515047	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515048	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515039	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515065	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515055	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515056	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515073	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515083	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515082	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515081	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515080	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515079	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515076	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515074	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515086	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515072	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515071	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515070	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515077	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515078	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515075	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515094	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515102	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515101	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515100	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515099	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515098	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515097	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515084	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515095	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515085	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515092	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515090	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515089	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515088	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515087	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515091	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515096	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19
0001515093	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	08-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001498135	-	Mobil 1 5W-40	4	Quarts(QT)	08-Jan-19
0001498136	-	Mobil 1 5W-40	4	Quarts(QT)	08-Jan-19
0001498137	-	Mobil 1 5W-40	4	Quarts(QT)	08-Jan-19
V000001F91	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Jan-19
V000001F9E	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Jan-19
V000001F97	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Jan-19
V000001F92	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Jan-19
V000001F93	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Jan-19
V000001F90	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Jan-19
V000001F94	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Jan-19
V000001F95	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Jan-19
V000001F96	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Jan-19
V000001F98	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Jan-19
V000001F99	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Jan-19
V000001F9A	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Jan-19
V000001F9B	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Jan-19
V000001F9D	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Jan-19
V000001F9F	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Jan-19
V000001FA0	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Jan-19
V000001F87	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Jan-19
V000001F8F	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Jan-19
V000001F9C	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Jan-19
V000001F80	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Jan-19
V000001F89	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Jan-19
V000001F8E	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Jan-19
V000001F7D	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Jan-19
V000001F7F	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Jan-19
V000001F81	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Jan-19
V000001F82	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Jan-19
V000001F83	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Jan-19
V000001F84	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Jan-19
V000001F86	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Jan-19
V000001F88	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Jan-19
V000001F8D	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Jan-19
V000001F8A	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Jan-19
V000001F8C	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Jan-19
V000001F8B	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Jan-19
V000001F85	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Jan-19
V000001F7E	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Jan-19
0001383424	-	WD-40 AEROSOL	11	Ounces(OZ)	09-Jan-19
0001383426	-	WD-40 AEROSOL	11	Ounces(OZ)	09-Jan-19
0001383427	-	WD-40 AEROSOL	11	Ounces(OZ)	09-Jan-19
0001383428	-	WD-40 AEROSOL	11	Ounces(OZ)	09-Jan-19
0001383429	-	WD-40 AEROSOL	11	Ounces(OZ)	09-Jan-19
0001383430	-	WD-40 AEROSOL	11	Ounces(OZ)	09-Jan-19
0001383425	-	WD-40 AEROSOL	11	Ounces(OZ)	09-Jan-19
V000001FB6	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	09-Jan-19
V000001FAE	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	09-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000001FAF	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	09-Jan-19
V000001FB0	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	09-Jan-19
V000001FB1	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	09-Jan-19
V000001FB2	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	09-Jan-19
V000001FB3	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	09-Jan-19
V000001FB5	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	09-Jan-19
V000001FAD	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	09-Jan-19
V000001FA7	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	09-Jan-19
V000001FB8	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	09-Jan-19
V000001FB7	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	09-Jan-19
V000001FB4	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	09-Jan-19
V000001FA3	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	09-Jan-19
V000001FA9	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	09-Jan-19
V000001FAC	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	09-Jan-19
V000001FA2	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	09-Jan-19
V000001FA4	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	09-Jan-19
V000001FA5	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	09-Jan-19
V000001FA6	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	09-Jan-19
V000001FA8	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	09-Jan-19
V000001FAA	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	09-Jan-19
V000001FAB	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	09-Jan-19
V000001FA1	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	09-Jan-19
0001498138	-	PARTS PLUS SAE 10W-30 SYNTHETIC MOTOR OIL	1	Quarts(QT)	09-Jan-19
0001498139	-	PARTS PLUS SAE 10W-30 SYNTHETIC MOTOR OIL	1	Quarts(QT)	09-Jan-19
V000001FB9	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	09-Jan-19
0001498140	-	ULTRA LOW VOC BRAKLEEN	14	Ounces(OZ)	09-Jan-19
0001498141	-	ULTRA LOW VOC BRAKLEEN	14	Ounces(OZ)	09-Jan-19
V000001FC8	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Jan-19
V000001FC4	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Jan-19
V000001FC5	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Jan-19
V000001FC6	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Jan-19
V000001FC7	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Jan-19
V000001FC9	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Jan-19
V000001FCD	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Jan-19
V000001FCA	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Jan-19
V000001FCC	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Jan-19
V000001FCB	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Jan-19
V000001FC3	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Jan-19
V000001FBB	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Jan-19
V000001FC1	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Jan-19
V000001FC0	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Jan-19
V000001FBF	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Jan-19
V000001FBE	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Jan-19
V000001FBD	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Jan-19
V000001FBC	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Jan-19
V000001FBA	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Jan-19
V000001FC2	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Jan-19
0001514673	-	Standard Cleaning Kit	2	Ounces(OZ)	09-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001514848	127-09-3	SODIUM ACETATE ANHYDROUS	1	Kilograms(KG)	09-Jan-19
0001514849	25322-68-3	POLYETHYLENE GLYCOL 2000	250	Gram(GM)	09-Jan-19
0001514850	25322-68-3	POLYETHYLENE GLYCOL 2000	250	Gram(GM)	09-Jan-19
0001514851	301-10-0	Tin(II) 2-ethylhexanoate	250	Gram(GM)	09-Jan-19
0001514854	301-10-0	Tin(II) 2-ethylhexanoate	250	Gram(GM)	09-Jan-19
0001514855	301-10-0	Tin(II) 2-ethylhexanoate	250	Gram(GM)	09-Jan-19
0001514853	301-10-0	Tin(II) 2-ethylhexanoate	250	Gram(GM)	09-Jan-19
0001514852	301-10-0	Tin(II) 2-ethylhexanoate	250	Gram(GM)	09-Jan-19
0001514856	28961-43-5	Ethoxylated (3) Trimethylolpropane Triacrylate	250	Milliliter(ML)	09-Jan-19
0001514858	28961-43-5	Ethoxylated (3) Trimethylolpropane Triacrylate	250	Milliliter(ML)	09-Jan-19
0001514859	28961-43-5	Ethoxylated (3) Trimethylolpropane Triacrylate	250	Milliliter(ML)	09-Jan-19
0001514857	28961-43-5	Ethoxylated (3) Trimethylolpropane Triacrylate	250	Milliliter(ML)	09-Jan-19
0001514860	207671-44-1	Quinine hemisulfate salt monohydrate	5	Gram(GM)	09-Jan-19
0001514861	67-66-3	CHLOROFORM ANHYDROUS	1	Liters(L)	09-Jan-19
0001514862	67-66-3	CHLOROFORM HPLC FOR HIGH PERFORMANCE	1	Liters(L)	09-Jan-19
0001514943	-	Aqua-Kem	16	Ounces(OZ)	09-Jan-19
0001514962	-	Aqua-Kem	16	Ounces(OZ)	09-Jan-19
0001514956	-	Aqua-Kem	16	Ounces(OZ)	09-Jan-19
0001514957	-	Aqua-Kem	16	Ounces(OZ)	09-Jan-19
0001514958	-	Aqua-Kem	16	Ounces(OZ)	09-Jan-19
0001514955	-	Aqua-Kem	16	Ounces(OZ)	09-Jan-19
0001514959	-	Aqua-Kem	16	Ounces(OZ)	09-Jan-19
0001514961	-	Aqua-Kem	16	Ounces(OZ)	09-Jan-19
0001514963	-	Aqua-Kem	16	Ounces(OZ)	09-Jan-19
0001514947	-	Aqua-Kem	16	Ounces(OZ)	09-Jan-19
0001514964	-	Aqua-Kem	16	Ounces(OZ)	09-Jan-19
0001514965	-	Aqua-Kem	16	Ounces(OZ)	09-Jan-19
0001514966	-	Aqua-Kem	16	Ounces(OZ)	09-Jan-19
0001514960	-	Aqua-Kem	16	Ounces(OZ)	09-Jan-19
0001514945	-	Aqua-Kem	16	Ounces(OZ)	09-Jan-19
0001514949	-	Aqua-Kem	16	Ounces(OZ)	09-Jan-19
0001514954	-	Aqua-Kem	16	Ounces(OZ)	09-Jan-19
0001514944	-	Aqua-Kem	16	Ounces(OZ)	09-Jan-19
0001514946	-	Aqua-Kem	16	Ounces(OZ)	09-Jan-19
0001514948	-	Aqua-Kem	16	Ounces(OZ)	09-Jan-19
0001514953	-	Aqua-Kem	16	Ounces(OZ)	09-Jan-19
0001514952	-	Aqua-Kem	16	Ounces(OZ)	09-Jan-19
0001514951	-	Aqua-Kem	16	Ounces(OZ)	09-Jan-19
0001514950	-	Aqua-Kem	16	Ounces(OZ)	09-Jan-19
0001514967	5470-11-1	HYDROXYLAMINE HYDROCHLORIDE	100	Gram(GM)	09-Jan-19
0001514968	5470-11-1	HYDROXYLAMINE HYDROCHLORIDE	100	Gram(GM)	09-Jan-19
0001515103	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Liters(L)	09-Jan-19
0001515125	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Liters(L)	09-Jan-19
0001515111	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Liters(L)	09-Jan-19
0001515120	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Liters(L)	09-Jan-19
0001515130	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Liters(L)	09-Jan-19
0001515113	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Liters(L)	09-Jan-19
0001515129	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Liters(L)	09-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001515112	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Liters(L)	09-Jan-19
0001515128	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Liters(L)	09-Jan-19
0001515127	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Liters(L)	09-Jan-19
0001515126	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Liters(L)	09-Jan-19
0001515124	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Liters(L)	09-Jan-19
0001515114	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Liters(L)	09-Jan-19
0001515123	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Liters(L)	09-Jan-19
0001515122	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Liters(L)	09-Jan-19
0001515115	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Liters(L)	09-Jan-19
0001515121	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Liters(L)	09-Jan-19
0001515117	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Liters(L)	09-Jan-19
0001515106	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Liters(L)	09-Jan-19
0001515119	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Liters(L)	09-Jan-19
0001515118	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Liters(L)	09-Jan-19
0001515116	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Liters(L)	09-Jan-19
0001515108	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Liters(L)	09-Jan-19
0001515107	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Liters(L)	09-Jan-19
0001515104	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Liters(L)	09-Jan-19
0001515105	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Liters(L)	09-Jan-19
0001515109	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Liters(L)	09-Jan-19
0001515110	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Liters(L)	09-Jan-19
0001515131	7778-18-9	DRIERITE 4 MESH	65	Pounds(LB)	09-Jan-19
0001515136	7778-18-9	DRIERITE 4 MESH	65	Pounds(LB)	09-Jan-19
0001515132	7778-18-9	DRIERITE 4 MESH	65	Pounds(LB)	09-Jan-19
0001515133	7778-18-9	DRIERITE 4 MESH	65	Pounds(LB)	09-Jan-19
0001515135	7778-18-9	DRIERITE 4 MESH	65	Pounds(LB)	09-Jan-19
0001515137	7778-18-9	DRIERITE 4 MESH	65	Pounds(LB)	09-Jan-19
0001515138	7778-18-9	DRIERITE 4 MESH	65	Pounds(LB)	09-Jan-19
0001515139	7778-18-9	DRIERITE 4 MESH	65	Pounds(LB)	09-Jan-19
0001515134	7778-18-9	DRIERITE 4 MESH	65	Pounds(LB)	09-Jan-19
0001515140	7778-18-9	DRIERITE 4 MESH	65	Pounds(LB)	09-Jan-19
0001515141	-	INDICATING DRIERITE	1	Pounds(LB)	09-Jan-19
0001515146	-	INDICATING DRIERITE	1	Pounds(LB)	09-Jan-19
0001515145	-	INDICATING DRIERITE	1	Pounds(LB)	09-Jan-19
0001515144	-	INDICATING DRIERITE	1	Pounds(LB)	09-Jan-19
0001515143	-	INDICATING DRIERITE	1	Pounds(LB)	09-Jan-19
0001515142	-	INDICATING DRIERITE	1	Pounds(LB)	09-Jan-19
0001515151	26570-48-9	POLY(ETHYLENE GLYCOL)DIACRYLATE	500	Milliliter(ML)	09-Jan-19
0001515154	26570-48-9	POLY(ETHYLENE GLYCOL)DIACRYLATE	500	Milliliter(ML)	09-Jan-19
0001515153	26570-48-9	POLY(ETHYLENE GLYCOL)DIACRYLATE	500	Milliliter(ML)	09-Jan-19
0001515152	26570-48-9	POLY(ETHYLENE GLYCOL)DIACRYLATE	500	Milliliter(ML)	09-Jan-19
0001515155	-	NO-CLEAN FLUX REMOVER	10	Cubic	09-Jan-19
0001515157	-	NO-CLEAN FLUX REMOVER	10	Cubic	09-Jan-19
0001515156	-	NO-CLEAN FLUX REMOVER	10	Cubic	09-Jan-19
V000001FEA	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
V000001FE9	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
V000001FE8	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
V000001FE7	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000001FE6	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
V000001FE5	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
V000001FEB	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
V000001FE3	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
V000001FF1	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
V000001FE4	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
V000001FEC	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
V000001FED	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
V000001FEE	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
V000001FE2	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
V000001FF0	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
V000001FF4	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
V000001FF2	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
V000001FF3	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
V000001FF5	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
V000001FF7	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
V000001FEF	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
V000001FD2	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
V000001FF6	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
V000001FCE	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
V000001FCF	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
V000001FE1	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
V000001FD1	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
V000001FD3	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
V000001FD4	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
V000001FD5	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
V000001FD6	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
V000001FDE	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
V000001FD0	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
V000001FE0	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
V000001FDF	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
V000001FDD	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
V000001FDC	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
V000001FDB	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
V000001FDA	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
V000001FD9	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
V000001FD8	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
V000001FD7	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
0001498142	-	DIESEL FUEL SUPPLEMENT	32	Ounces(OZ)	09-Jan-19
0001515158	-	Solder Wire Sn42/Bi57/Ag1 Lead-Free Low Temp	100	Gram(GM)	09-Jan-19
0001515160	-	Solder Wire Sn42/Bi57/Ag1 Lead-Free Low Temp	100	Gram(GM)	09-Jan-19
0001515159	-	Solder Wire Sn42/Bi57/Ag1 Lead-Free Low Temp	100	Gram(GM)	09-Jan-19
0001498143	-	Battery Cleaner with Acid Indicator	11	Ounces(OZ)	09-Jan-19
0001498144	-	ULTRA LOW VOC BRAKLEEN	14	Ounces(OZ)	09-Jan-19
0001498145	-	ULTRA LOW VOC BRAKLEEN	14	Ounces(OZ)	09-Jan-19
0001498146	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	09-Jan-19
0001515161	538-41-0	4 4'-Azodianiline	5	Gram(GM)	09-Jan-19
0001498148	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	09-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001498149	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	09-Jan-19
0001498147	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	09-Jan-19
0001515162	7722-84-1	HYDROGEN PEROXIDE 30%	500	Milliliter(ML)	09-Jan-19
0001515163	7722-84-1	HYDROGEN PEROXIDE 30%	500	Milliliter(ML)	09-Jan-19
0001515164	105-53-3	DIETHYL MALONATE	500	Gram(GM)	09-Jan-19
0001515165	7732-18-5	Fluorescent nanodiamond	5	Milliliter(ML)	09-Jan-19
0001515166	25322-68-3	POLYETHYLENE GLYCOL	250	Gram(GM)	09-Jan-19
0001515167	-	EPON RESIN 815C	1	Gallon(GAL)	09-Jan-19
0001515170	-	EPON RESIN 815C	1	Gallon(GAL)	09-Jan-19
0001515169	-	EPON RESIN 815C	1	Gallon(GAL)	09-Jan-19
0001515168	-	EPON RESIN 815C	1	Gallon(GAL)	09-Jan-19
0001515171	7487-88-9	MAGNESIUM SULFATE ANHYDROUS	500	Gram(GM)	09-Jan-19
0001515172	-	MULTI-ELEMENT QC-21 CHECK	100	Milliliter(ML)	09-Jan-19
0001515173	7647-01-0	Hydrochloric Acid Digital Titrator Cartridge	100	Milliliter(ML)	09-Jan-19
0001515176	7647-01-0	Hydrochloric Acid Digital Titrator Cartridge	100	Milliliter(ML)	09-Jan-19
0001515177	7647-01-0	Hydrochloric Acid Digital Titrator Cartridge	100	Milliliter(ML)	09-Jan-19
0001515178	7647-01-0	Hydrochloric Acid Digital Titrator Cartridge	100	Milliliter(ML)	09-Jan-19
0001515179	7647-01-0	Hydrochloric Acid Digital Titrator Cartridge	100	Milliliter(ML)	09-Jan-19
0001515180	7647-01-0	Hydrochloric Acid Digital Titrator Cartridge	100	Milliliter(ML)	09-Jan-19
0001515181	7647-01-0	Hydrochloric Acid Digital Titrator Cartridge	100	Milliliter(ML)	09-Jan-19
0001515182	7647-01-0	Hydrochloric Acid Digital Titrator Cartridge	100	Milliliter(ML)	09-Jan-19
0001515175	7647-01-0	Hydrochloric Acid Digital Titrator Cartridge	100	Milliliter(ML)	09-Jan-19
0001515174	7647-01-0	Hydrochloric Acid Digital Titrator Cartridge	100	Milliliter(ML)	09-Jan-19
0001515183	75-20-7	CALCIUM CARBIDE	500	Gram(GM)	09-Jan-19
0001515184	7782-40-3	Diamond Powder	200	Gram(GM)	09-Jan-19
0001515185	-	Diamond Powder GMM 10-20	200	Gram(GM)	09-Jan-19
0001515186	7782-40-3	Diamond Powder	200	Gram(GM)	09-Jan-19
0001515187	25085-99-8	XTC-3D	24	Ounces(OZ)	09-Jan-19
0001515188	16029-98-4	IODOTRIMETHYLSILANE	25	Gram(GM)	09-Jan-19
0001515189	-	SOLDER PASTE	50	Gram(GM)	09-Jan-19
0001515190	-	SOLDER PASTE	50	Gram(GM)	09-Jan-19
0001515191	-	SOLDER PASTE	50	Gram(GM)	09-Jan-19
0001515192	-	SOLDER PASTE	50	Gram(GM)	09-Jan-19
0001515193	-	SILVER CONDUCTIVE EPOXY	15	Gram(GM)	09-Jan-19
0001515194	-	SILVER CONDUCTIVE EPOXY	15	Gram(GM)	09-Jan-19
0001515195	-	SILVER CONDUCTIVE EPOXY	15	Gram(GM)	09-Jan-19
0001515196	-	SILVER CONDUCTIVE EPOXY	15	Gram(GM)	09-Jan-19
0001515197	-	SILVER CONDUCTIVE EPOXY	15	Gram(GM)	09-Jan-19
0001515198	-	SILVER CONDUCTIVE EPOXY	15	Gram(GM)	09-Jan-19
0001515199	67-63-0	ISOPROPANOL REAGENT ACS	500	Milliliter(ML)	09-Jan-19
0001515200	-	Sulfite Test Kit Model SU-5	100	Milliliter(ML)	09-Jan-19
0001515201	-	Sulfite Test Kit Model SU-5	100	Milliliter(ML)	09-Jan-19
0001515202	-	Sulfite Test Kit Model SU-5	100	Milliliter(ML)	09-Jan-19
0001515203	-	STARCH ACID	25	Gram(GM)	09-Jan-19
0001515208	-	STARCH ACID	25	Gram(GM)	09-Jan-19
0001515216	-	STARCH ACID	25	Gram(GM)	09-Jan-19
0001515222	-	STARCH ACID	25	Gram(GM)	09-Jan-19
0001515221	-	STARCH ACID	25	Gram(GM)	09-Jan-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001515220	-	STARCH ACID	25	Gram(GM)	09-Jan-19
0001515219	-	STARCH ACID	25	Gram(GM)	09-Jan-19
0001515206	-	STARCH ACID	25	Gram(GM)	09-Jan-19
0001515217	-	STARCH ACID	25	Gram(GM)	09-Jan-19
0001515204	-	STARCH ACID	25	Gram(GM)	09-Jan-19
0001515215	-	STARCH ACID	25	Gram(GM)	09-Jan-19
0001515214	-	STARCH ACID	25	Gram(GM)	09-Jan-19
0001515213	-	STARCH ACID	25	Gram(GM)	09-Jan-19
0001515212	-	STARCH ACID	25	Gram(GM)	09-Jan-19
0001515211	-	STARCH ACID	25	Gram(GM)	09-Jan-19
0001515210	-	STARCH ACID	25	Gram(GM)	09-Jan-19
0001515209	-	STARCH ACID	25	Gram(GM)	09-Jan-19
0001515207	-	STARCH ACID	25	Gram(GM)	09-Jan-19
0001515205	-	STARCH ACID	25	Gram(GM)	09-Jan-19
0001515218	-	STARCH ACID	25	Gram(GM)	09-Jan-19
0001515223	7646-85-7	ZINC CHLORIDE	100	Gram(GM)	09-Jan-19
0001515224	109-99-9	TETRAHYDROFURAN	500	Milliliter(ML)	09-Jan-19
0001515225	516-12-1	N-IODOSUCCINIMIDE	5	Gram(GM)	09-Jan-19
0001515226	85-98-3	1 3-Diethyl-1 3-diphenylurea	100	Gram(GM)	09-Jan-19
0001515227	2001-45-8	TETRAPHENYLPHOSPHONIUM CHLORIDE	50	Gram(GM)	09-Jan-19
0001515228	2751-90-8	TETRAPHENYLPHOSPHONIUM BROMIDE	100	Gram(GM)	09-Jan-19
0001515229	39001-65-5	ZINC 2 9 16 23-TETRA-TERT-BUTYL-29H 31H-	500	Gram(GM)	09-Jan-19
0001515230	781-43-1	9 10-DIMETHYLANTHRACENE	1	Gram(GM)	09-Jan-19
0001515231	99-97-8	4 N N-Trimethylaniline	500	Milliliter(ML)	09-Jan-19
0001515232	90-93-7	4 4'-Bis(diethylamino)benzophenone	25	Gram(GM)	09-Jan-19
0001515233	74507-62-3	BIS(PENTAMETHYLCYCLOPENTADIENYL)COBALT	1	Gram(GM)	09-Jan-19
0001515234	74507-62-3	BIS(PENTAMETHYLCYCLOPENTADIENYL)COBALT	1	Gram(GM)	09-Jan-19
0001515235	13709-42-7	NEODYMIUM FLUORIDE	10	Gram(GM)	09-Jan-19
0001515236	-	MULTI ELEMENT STANDARD	125	Milliliter(ML)	09-Jan-19
0001515237	-	MULTI ELEMENT STANDARD	125	Milliliter(ML)	09-Jan-19
0001515238	-	CLEANER STATIC-FREE PLAST-N-GLASS	16	Ounces(OZ)	09-Jan-19
0001515239	-	CLEANER STATIC-FREE PLAST-N-GLASS	16	Ounces(OZ)	09-Jan-19
0001515240	-	CLEANER STATIC-FREE PLAST-N-GLASS	16	Ounces(OZ)	09-Jan-19
0001515241	-	CLEANER STATIC-FREE PLAST-N-GLASS	16	Ounces(OZ)	09-Jan-19
0001515242	-	WOOD GLUE	16	Ounces(OZ)	09-Jan-19
0001515244	-	WOOD GLUE	16	Ounces(OZ)	09-Jan-19
0001515243	-	WOOD GLUE	16	Ounces(OZ)	09-Jan-19
0001515246	73183-34-3	BIS(PIACOLATO)DIBORON	25	Gram(GM)	09-Jan-19
0001515247	5949-29-1	CITIC ACID MONOHYDRATE	500	Gram(GM)	09-Jan-19
0001515248	67-68-5	DIMETHYL SULFOXIDE	1	Liters(L)	09-Jan-19
0001515249	-	PHENOL/CHLOROFORM/ISOAMYL ALCOHOL	400	Milliliter(ML)	09-Jan-19
0001515250	64-17-5	ETHYL ALCOHOL 200 PROOF	450	Milliliter(ML)	09-Jan-19
0001515251	64-17-5	ETHYL ALCOHOL 200 PROOF	450	Milliliter(ML)	09-Jan-19
0001515252	64-17-5	ETHYL ALCOHOL 200 PROOF	450	Milliliter(ML)	09-Jan-19
0001515253	64-17-5	ETHYL ALCOHOL 200 PROOF	450	Milliliter(ML)	09-Jan-19
0001515254	64-17-5	ETHYL ALCOHOL 200 PROOF	450	Milliliter(ML)	09-Jan-19
0001515255	64-17-5	ETHYL ALCOHOL 200 PROOF	450	Milliliter(ML)	09-Jan-19
0001515256	64-17-5	ETHYL ALCOHOL 200 PROOF	450	Milliliter(ML)	09-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001515257	64-17-5	ETHYL ALCOHOL 200 PROOF	450	Milliliter(ML)	09-Jan-19
0001515258	105-36-2	ETHYL BROMOACETATE	100	Gram(GM)	09-Jan-19
0001515259	105-36-2	ETHYL BROMOACETATE	100	Gram(GM)	09-Jan-19
0001515260	1310-73-2	SODIUM HYDROXIDE PELLETS	500	Gram(GM)	09-Jan-19
0001515263	1310-73-2	SODIUM HYDROXIDE PELLETS	500	Gram(GM)	09-Jan-19
0001515261	1310-73-2	SODIUM HYDROXIDE PELLETS	500	Gram(GM)	09-Jan-19
0001515262	1310-73-2	SODIUM HYDROXIDE PELLETS	500	Gram(GM)	09-Jan-19
0001515264	75-09-2	METHYLENE CHLORIDE	4	Liters(L)	09-Jan-19
0001515266	75-09-2	METHYLENE CHLORIDE	4	Liters(L)	09-Jan-19
0001515267	75-09-2	METHYLENE CHLORIDE	4	Liters(L)	09-Jan-19
0001515265	75-09-2	METHYLENE CHLORIDE	4	Liters(L)	09-Jan-19
0001498150	-	Cat Hydraulic Oil (HYDO) SAE 10W	5	Gallon(GAL)	09-Jan-19
0001498151	-	Cat Hydraulic Oil (HYDO) SAE 10W	5	Gallon(GAL)	09-Jan-19
0001498152	-	Castrol Transynd Allison Transmission Fluid	5	Gallon(GAL)	09-Jan-19
0001498153	-	AW HYDRAULIC FLUID ISO 32	5	Gallon(GAL)	09-Jan-19
0001498154	-	AW HYDRAULIC FLUID ISO 32	5	Gallon(GAL)	09-Jan-19
V000001FF8	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
V000001FF9	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Jan-19
V000001FFA	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	09-Jan-19
0001498155	-	SPLASH WINDSHIELD WASHER FLUID	1	Gallon(GAL)	09-Jan-19
V000002012	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	10-Jan-19
V00000201A	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	10-Jan-19
V000002015	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	10-Jan-19
V000002014	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	10-Jan-19
V000002016	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	10-Jan-19
V000002017	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	10-Jan-19
V000002019	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	10-Jan-19
V000002011	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	10-Jan-19
V000002018	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	10-Jan-19
V000002009	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	10-Jan-19
V000002010	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	10-Jan-19
V000002013	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	10-Jan-19
V00000200A	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	10-Jan-19
V00000200B	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	10-Jan-19
V00000200C	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	10-Jan-19
V00000200D	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	10-Jan-19
V00000200E	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	10-Jan-19
V00000200F	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	10-Jan-19
V00000201B	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	10-Jan-19
V00000201C	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	10-Jan-19
V00000201D	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	10-Jan-19
V000002021	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	10-Jan-19
V000002020	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	10-Jan-19
V00000201E	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	10-Jan-19
V00000201F	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	10-Jan-19
0001498156	-	PARTS PLUS SAE 10W-30 SYNTHETIC MOTOR OIL	1	Quarts(QT)	10-Jan-19
0001498157	-	PARTS PLUS SAE 10W-30 SYNTHETIC MOTOR OIL	1	Quarts(QT)	10-Jan-19
0001498158	-	PARTS PLUS SAE 10W-30 SYNTHETIC MOTOR OIL	1	Quarts(QT)	10-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001572943	-	WD-40 NON-AEROSOL	20	Ounces(OZ)	10-Jan-19
0001572945	-	WD-40 NON-AEROSOL	20	Ounces(OZ)	10-Jan-19
0001572944	-	WD-40 NON-AEROSOL	20	Ounces(OZ)	10-Jan-19
0001572946	-	Parts Plus DEX/MERC AUTOMATIC	1	Quarts(QT)	10-Jan-19
0001572947	-	SAE 0W-20 Synthetic Motor Oil	1	Quarts(QT)	10-Jan-19
0001572948	-	SAE 0W-20 Synthetic Motor Oil	1	Quarts(QT)	10-Jan-19
0001572949	-	SAE 0W-20 Synthetic Motor Oil	1	Quarts(QT)	10-Jan-19
0001572950	-	GASOILA THREAD SEALANT	237	Milliliter(ML)	10-Jan-19
0001572951	-	Parts Plus Type F ATF	1	Quarts(QT)	10-Jan-19
0001572952	-	Parts Plus Type F ATF	1	Quarts(QT)	10-Jan-19
0001572953	-	AIR BRAKE ANTI-FREEZE & CONDITIONER	1	Gallon(GAL)	10-Jan-19
0001572954	-	ACRYLIC ENAMEL	12	Ounces(OZ)	10-Jan-19
0001572955	-	DUPLI-COLOR 2-in-1 Filler & Sandable Primer	12	Ounces(OZ)	10-Jan-19
0001572956	-	QD Electronic Cleaner (Aerosol)	11	Ounces(OZ)	10-Jan-19
0001572957	-	STARTING FLUID FOR DIESEL AND GASOLINE	10.7	Ounces(OZ)	10-Jan-19
0001572958	-	DRY FILM MOLY LUBRICANT LU 200	11	Ounces(OZ)	10-Jan-19
0001572959	-	DRY FILM MOLY LUBRICANT LU 200	11	Ounces(OZ)	10-Jan-19
0001572960	-	DRY FILM MOLY LUBRICANT LU 200	11	Ounces(OZ)	10-Jan-19
0001572961	-	DRY FILM MOLY LUBRICANT LU 200	11	Ounces(OZ)	10-Jan-19
0001572962	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	10-Jan-19
0001572965	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	10-Jan-19
0001572967	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	10-Jan-19
0001572968	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	10-Jan-19
0001572964	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	10-Jan-19
0001572963	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	10-Jan-19
0001572966	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	10-Jan-19
0001572969	-	ULTRA LOW VOC BRAKLEEN	14	Ounces(OZ)	10-Jan-19
0001572971	-	ULTRA LOW VOC BRAKLEEN	14	Ounces(OZ)	10-Jan-19
0001572972	-	ULTRA LOW VOC BRAKLEEN	14	Ounces(OZ)	10-Jan-19
0001572973	-	ULTRA LOW VOC BRAKLEEN	14	Ounces(OZ)	10-Jan-19
0001572974	-	ULTRA LOW VOC BRAKLEEN	14	Ounces(OZ)	10-Jan-19
0001572975	-	ULTRA LOW VOC BRAKLEEN	14	Ounces(OZ)	10-Jan-19
0001572976	-	ULTRA LOW VOC BRAKLEEN	14	Ounces(OZ)	10-Jan-19
0001572970	-	ULTRA LOW VOC BRAKLEEN	14	Ounces(OZ)	10-Jan-19
0001563060	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Liters(L)	10-Jan-19
0001572977	-	Brakleen Brake Parts Cleaner - Non-chlorinated	14	Ounces(OZ)	10-Jan-19
0001572982	-	Brakleen Brake Parts Cleaner - Non-chlorinated	14	Ounces(OZ)	10-Jan-19
0001572981	-	Brakleen Brake Parts Cleaner - Non-chlorinated	14	Ounces(OZ)	10-Jan-19
0001572980	-	Brakleen Brake Parts Cleaner - Non-chlorinated	14	Ounces(OZ)	10-Jan-19
0001572979	-	Brakleen Brake Parts Cleaner - Non-chlorinated	14	Ounces(OZ)	10-Jan-19
0001572978	-	Brakleen Brake Parts Cleaner - Non-chlorinated	14	Ounces(OZ)	10-Jan-19
0001572983	-	LUBRIPLATE CHAIN AND CABLE FLUID	11	Ounces(OZ)	10-Jan-19
0001572984	-	LUBRIPLATE CHAIN AND CABLE FLUID	11	Ounces(OZ)	10-Jan-19
0001572985	-	LUBRIPLATE CHAIN AND CABLE FLUID	11	Ounces(OZ)	10-Jan-19
0001563061	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	10-Jan-19
0001563062	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	10-Jan-19
0001563063	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	10-Jan-19
0001563064	-	Nitrogen UHP	220	Cubic Feet(CF)	10-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001563077	-	Nitrogen UHP	220	Cubic Feet(CF)	10-Jan-19
0001563074	-	Nitrogen UHP	220	Cubic Feet(CF)	10-Jan-19
0001563075	-	Nitrogen UHP	220	Cubic Feet(CF)	10-Jan-19
0001563076	-	Nitrogen UHP	220	Cubic Feet(CF)	10-Jan-19
0001563078	-	Nitrogen UHP	220	Cubic Feet(CF)	10-Jan-19
0001563084	-	Nitrogen UHP	220	Cubic Feet(CF)	10-Jan-19
0001563083	-	Nitrogen UHP	220	Cubic Feet(CF)	10-Jan-19
0001563082	-	Nitrogen UHP	220	Cubic Feet(CF)	10-Jan-19
0001563081	-	Nitrogen UHP	220	Cubic Feet(CF)	10-Jan-19
0001563072	-	Nitrogen UHP	220	Cubic Feet(CF)	10-Jan-19
0001563079	-	Nitrogen UHP	220	Cubic Feet(CF)	10-Jan-19
0001563080	-	Nitrogen UHP	220	Cubic Feet(CF)	10-Jan-19
0001563071	-	Nitrogen UHP	220	Cubic Feet(CF)	10-Jan-19
0001563065	-	Nitrogen UHP	220	Cubic Feet(CF)	10-Jan-19
0001563066	-	Nitrogen UHP	220	Cubic Feet(CF)	10-Jan-19
0001563067	-	Nitrogen UHP	220	Cubic Feet(CF)	10-Jan-19
0001563068	-	Nitrogen UHP	220	Cubic Feet(CF)	10-Jan-19
0001563069	-	Nitrogen UHP	220	Cubic Feet(CF)	10-Jan-19
0001563070	-	Nitrogen UHP	220	Cubic Feet(CF)	10-Jan-19
0001563073	-	Nitrogen UHP	220	Cubic Feet(CF)	10-Jan-19
0001572986	-	WINDSHIELD WASHER FLUID	1	Gallon(GAL)	10-Jan-19
0001563085	-	Argon UHP	220	Cubic Feet(CF)	10-Jan-19
0001563093	-	Argon UHP	220	Cubic Feet(CF)	10-Jan-19
0001563086	-	Argon UHP	220	Cubic Feet(CF)	10-Jan-19
0001563087	-	Argon UHP	220	Cubic Feet(CF)	10-Jan-19
0001563088	-	Argon UHP	220	Cubic Feet(CF)	10-Jan-19
0001563089	-	Argon UHP	220	Cubic Feet(CF)	10-Jan-19
0001563090	-	Argon UHP	220	Cubic Feet(CF)	10-Jan-19
0001563092	-	Argon UHP	220	Cubic Feet(CF)	10-Jan-19
0001563091	-	Argon UHP	220	Cubic Feet(CF)	10-Jan-19
V000002022	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	10-Jan-19
V000002023	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	10-Jan-19
0001514717	7697-37-2	NITRIC ACID OPTIMA	500	Milliliter(ML)	10-Jan-19
0001514718	7697-37-2	NITRIC ACID OPTIMA	500	Milliliter(ML)	10-Jan-19
0001514714	75-75-2	Weld Wizard 9350	1	Gallon(GAL)	10-Jan-19
0001514716	75-75-2	Weld Wizard 9350	1	Gallon(GAL)	10-Jan-19
0001514715	75-75-2	Weld Wizard 9350	1	Gallon(GAL)	10-Jan-19
0001514969	60-29-7	ETHYL ETHER ANHYDROUS	1	Liters(L)	10-Jan-19
0001514970	60-29-7	ETHYL ETHER ANHYDROUS	1	Liters(L)	10-Jan-19
0001514971	60-29-7	ETHYL ETHER ANHYDROUS	1	Liters(L)	10-Jan-19
0001514972	110-54-3	N-HEXANE	1	Liters(L)	10-Jan-19
0001514973	110-54-3	N-HEXANE	1	Liters(L)	10-Jan-19
0001514974	110-54-3	N-HEXANE	1	Liters(L)	10-Jan-19
0001514975	67-64-1	ACETONE	4	Liters(L)	10-Jan-19
0001514981	67-64-1	ACETONE	4	Liters(L)	10-Jan-19
0001514976	67-64-1	ACETONE	4	Liters(L)	10-Jan-19
0001514978	67-64-1	ACETONE	4	Liters(L)	10-Jan-19
0001514980	67-64-1	ACETONE	4	Liters(L)	10-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001514982	67-64-1	ACETONE	4	Liters(L)	10-Jan-19
0001514979	67-64-1	ACETONE	4	Liters(L)	10-Jan-19
0001514977	67-64-1	ACETONE	4	Liters(L)	10-Jan-19
0001563094	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	10-Jan-19
0001563095	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	10-Jan-19
0001563096	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	10-Jan-19
0001563097	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	10-Jan-19
0001563098	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	10-Jan-19
0001563099	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	10-Jan-19
0001563100	7440-59-7	Helium UHP	220	Cubic Feet(CF)	10-Jan-19
0001563107	7440-59-7	Helium UHP	220	Cubic Feet(CF)	10-Jan-19
0001563101	7440-59-7	Helium UHP	220	Cubic Feet(CF)	10-Jan-19
0001563102	7440-59-7	Helium UHP	220	Cubic Feet(CF)	10-Jan-19
0001563103	7440-59-7	Helium UHP	220	Cubic Feet(CF)	10-Jan-19
0001563104	7440-59-7	Helium UHP	220	Cubic Feet(CF)	10-Jan-19
0001563106	7440-59-7	Helium UHP	220	Cubic Feet(CF)	10-Jan-19
0001563115	7440-59-7	Helium UHP	220	Cubic Feet(CF)	10-Jan-19
0001563108	7440-59-7	Helium UHP	220	Cubic Feet(CF)	10-Jan-19
0001563109	7440-59-7	Helium UHP	220	Cubic Feet(CF)	10-Jan-19
0001563110	7440-59-7	Helium UHP	220	Cubic Feet(CF)	10-Jan-19
0001563111	7440-59-7	Helium UHP	220	Cubic Feet(CF)	10-Jan-19
0001563112	7440-59-7	Helium UHP	220	Cubic Feet(CF)	10-Jan-19
0001563113	7440-59-7	Helium UHP	220	Cubic Feet(CF)	10-Jan-19
0001563114	7440-59-7	Helium UHP	220	Cubic Feet(CF)	10-Jan-19
0001563116	7440-59-7	Helium UHP	220	Cubic Feet(CF)	10-Jan-19
0001563118	7440-59-7	Helium UHP	220	Cubic Feet(CF)	10-Jan-19
0001563105	7440-59-7	Helium UHP	220	Cubic Feet(CF)	10-Jan-19
0001563117	7440-59-7	Helium UHP	220	Cubic Feet(CF)	10-Jan-19
0001563119	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563191	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563190	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563189	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563188	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563187	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563193	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563185	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563194	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563184	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563183	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563182	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563181	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563180	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563179	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563178	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563186	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563136	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563127	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563128	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001563129	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563130	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563132	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563144	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563192	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563135	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563175	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563137	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563138	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563139	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563140	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563141	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563196	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563195	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563134	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563158	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563152	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563153	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563154	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563155	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563156	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563157	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563177	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563166	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563149	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563159	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563160	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563161	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563162	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563163	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563164	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563167	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563142	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563165	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563174	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563173	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563172	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563171	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563170	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563151	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563168	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563150	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563126	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563145	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563131	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563146	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563147	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563148	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001563176	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563169	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563133	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563120	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563121	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563122	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563123	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563124	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563125	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563143	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563197	-	AIR COMPRESSED	220	Cubic Feet(CF)	10-Jan-19
0001563206	-	AIR COMPRESSED	220	Cubic Feet(CF)	10-Jan-19
0001563205	-	AIR COMPRESSED	220	Cubic Feet(CF)	10-Jan-19
0001563204	-	AIR COMPRESSED	220	Cubic Feet(CF)	10-Jan-19
0001563203	-	AIR COMPRESSED	220	Cubic Feet(CF)	10-Jan-19
0001563202	-	AIR COMPRESSED	220	Cubic Feet(CF)	10-Jan-19
0001563201	-	AIR COMPRESSED	220	Cubic Feet(CF)	10-Jan-19
0001563207	-	AIR COMPRESSED	220	Cubic Feet(CF)	10-Jan-19
0001563199	-	AIR COMPRESSED	220	Cubic Feet(CF)	10-Jan-19
0001563200	-	AIR COMPRESSED	220	Cubic Feet(CF)	10-Jan-19
0001563198	-	AIR COMPRESSED	220	Cubic Feet(CF)	10-Jan-19
0001563208	-	Oxygen UHP	220	Cubic Feet(CF)	10-Jan-19
0001563212	-	Oxygen UHP	220	Cubic Feet(CF)	10-Jan-19
0001563209	-	Oxygen UHP	220	Cubic Feet(CF)	10-Jan-19
0001563211	-	Oxygen UHP	220	Cubic Feet(CF)	10-Jan-19
0001563213	-	Oxygen UHP	220	Cubic Feet(CF)	10-Jan-19
0001563214	-	Oxygen UHP	220	Cubic Feet(CF)	10-Jan-19
0001563215	-	Oxygen UHP	220	Cubic Feet(CF)	10-Jan-19
0001563216	-	Oxygen UHP	220	Cubic Feet(CF)	10-Jan-19
0001563217	-	Oxygen UHP	220	Cubic Feet(CF)	10-Jan-19
0001563218	-	Oxygen UHP	220	Cubic Feet(CF)	10-Jan-19
0001563219	-	Oxygen UHP	220	Cubic Feet(CF)	10-Jan-19
0001563221	-	Oxygen UHP	220	Cubic Feet(CF)	10-Jan-19
0001563222	-	Oxygen UHP	220	Cubic Feet(CF)	10-Jan-19
0001563220	-	Oxygen UHP	220	Cubic Feet(CF)	10-Jan-19
0001563210	-	Oxygen UHP	220	Cubic Feet(CF)	10-Jan-19
0001563223	74-98-6	PROPANE	220	Cubic Feet(CF)	10-Jan-19
0001563225	74-98-6	PROPANE	220	Cubic Feet(CF)	10-Jan-19
0001563224	74-98-6	PROPANE	220	Cubic Feet(CF)	10-Jan-19
0001563226	74-86-2	ACETYLENE STABILIZED	130	Cubic Feet(CF)	10-Jan-19
0001515147	67-56-1	METHANOL	4	Liters(L)	10-Jan-19
0001515149	67-56-1	METHANOL	4	Liters(L)	10-Jan-19
0001515150	67-56-1	METHANOL	4	Liters(L)	10-Jan-19
0001515148	67-56-1	METHANOL	4	Liters(L)	10-Jan-19
0001515268	67-64-1	ACETONE	4	Liters(L)	10-Jan-19
0001515269	67-64-1	ACETONE	4	Liters(L)	10-Jan-19
0001515270	67-64-1	ACETONE	4	Liters(L)	10-Jan-19
0001515271	67-64-1	ACETONE	4	Liters(L)	10-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001515272	67-63-0	ISOPROPANOL (2-PROPANOL)	4	Liters(L)	10-Jan-19
0001515273	67-63-0	ISOPROPANOL (2-PROPANOL)	4	Liters(L)	10-Jan-19
0001515274	67-63-0	ISOPROPANOL (2-PROPANOL)	4	Liters(L)	10-Jan-19
0001515275	67-63-0	ISOPROPANOL (2-PROPANOL)	4	Liters(L)	10-Jan-19
0001515276	872-50-4	1-METHYL-2-PYRROLIDINONE	1	Liters(L)	10-Jan-19
0001515280	872-50-4	1-METHYL-2-PYRROLIDINONE	1	Liters(L)	10-Jan-19
0001515283	872-50-4	1-METHYL-2-PYRROLIDINONE	1	Liters(L)	10-Jan-19
0001515277	872-50-4	1-METHYL-2-PYRROLIDINONE	1	Liters(L)	10-Jan-19
0001515278	872-50-4	1-METHYL-2-PYRROLIDINONE	1	Liters(L)	10-Jan-19
0001515282	872-50-4	1-METHYL-2-PYRROLIDINONE	1	Liters(L)	10-Jan-19
0001515279	872-50-4	1-METHYL-2-PYRROLIDINONE	1	Liters(L)	10-Jan-19
0001515281	872-50-4	1-METHYL-2-PYRROLIDINONE	1	Liters(L)	10-Jan-19
0001515284	7647-01-0	HYDROCHLORIC ACID FUMING	1	Liters(L)	10-Jan-19
0001515285	1693-74-9	TETRAHYDROFURAN-D8	5	Milliliter(ML)	10-Jan-19
0001515286	1693-74-9	TETRAHYDROFURAN-D8	5	Milliliter(ML)	10-Jan-19
0001452961	533-67-5	DEOXYRIBOSE	250	Gram(GM)	10-Jan-19
0001452970	4594-52-9	1 3 5-tri-O-Acetyl-2-deoxy-D-erythro-	25	Gram(GM)	10-Jan-19
0001514983	-	PI 2545	1	Kilograms(KG)	10-Jan-19
0001514984	-	PI 2545	1	Kilograms(KG)	10-Jan-19
0001514985	-	VM 652	3.8	Liters(L)	10-Jan-19
0001515287	108-95-2	PHENOL	100	Milliliter(ML)	10-Jan-19
0001515288	67-63-0	ISOPROPYL ALCOHOL	1	Liters(L)	10-Jan-19
0001515289	51760-21-5	Dimethyl 5-Bromoisophthalate	5	Gram(GM)	10-Jan-19
0001515290	51760-21-5	Dimethyl 5-Bromoisophthalate	5	Gram(GM)	10-Jan-19
0001515291	25389-94-0	KANAMYCIN SULFATE	10	Gram(GM)	10-Jan-19
0001515292	13746-89-9	ZIRCONIUM NITRATE PENTAHYDRATE	10	Gram(GM)	10-Jan-19
0001515293	5471-63-6	1 3-DIPHENYLISOBENZOFURAN	5	Gram(GM)	10-Jan-19
0001515294	1122-62-9	2-ACETYLPYRIDINE	250	Milliliter(ML)	10-Jan-19
0001515295	7647-01-0	HYDROCHLORIC ACID (HCL HYDROGEN	4	Liters(L)	10-Jan-19
0001515367	68037-59-2	METHYLHYDROSILOXANE (15-18%)	100	Gram(GM)	10-Jan-19
0001515368	68037-59-2	METHYLHYDROSILOXANE (15-18%)	100	Gram(GM)	10-Jan-19
0001515369	68037-59-2	METHYLHYDROSILOXANE (15-18%)	100	Gram(GM)	10-Jan-19
0001515370	68037-59-2	(25-35% METHYLHYDROSILOXANE) -	100	Gram(GM)	10-Jan-19
0001515372	68037-59-2	(25-35% METHYLHYDROSILOXANE) -	100	Gram(GM)	10-Jan-19
0001515371	68037-59-2	(25-35% METHYLHYDROSILOXANE) -	100	Gram(GM)	10-Jan-19
0001515373	68951-96-2	VINYL TERMINATED (4-6% DIPHENYLSILOXANE)-	100	Gram(GM)	10-Jan-19
0001515374	68951-96-2	VINYL TERMINATED (4-6% DIPHENYLSILOXANE)-	100	Gram(GM)	10-Jan-19
0001515375	68951-96-2	VINYL TERMINATED (4-6% DIPHENYLSILOXANE)-	100	Gram(GM)	10-Jan-19
V000002024	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V000002025	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
0001515376	-	Sprayon MR 312 - Dry Zinc Stearate Release	12	Ounces(OZ)	10-Jan-19
0001515395	-	Sprayon MR 312 - Dry Zinc Stearate Release	12	Ounces(OZ)	10-Jan-19
0001515396	-	Sprayon MR 312 - Dry Zinc Stearate Release	12	Ounces(OZ)	10-Jan-19
0001515390	-	Sprayon MR 312 - Dry Zinc Stearate Release	12	Ounces(OZ)	10-Jan-19
0001515394	-	Sprayon MR 312 - Dry Zinc Stearate Release	12	Ounces(OZ)	10-Jan-19
0001515398	-	Sprayon MR 312 - Dry Zinc Stearate Release	12	Ounces(OZ)	10-Jan-19
0001515393	-	Sprayon MR 312 - Dry Zinc Stearate Release	12	Ounces(OZ)	10-Jan-19
0001515392	-	Sprayon MR 312 - Dry Zinc Stearate Release	12	Ounces(OZ)	10-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001515391	-	Sprayon MR 312 - Dry Zinc Stearate Release	12	Ounces(OZ)	10-Jan-19
0001515389	-	Sprayon MR 312 - Dry Zinc Stearate Release	12	Ounces(OZ)	10-Jan-19
0001515399	-	Sprayon MR 312 - Dry Zinc Stearate Release	12	Ounces(OZ)	10-Jan-19
0001515397	-	Sprayon MR 312 - Dry Zinc Stearate Release	12	Ounces(OZ)	10-Jan-19
0001515377	-	Sprayon MR 312 - Dry Zinc Stearate Release	12	Ounces(OZ)	10-Jan-19
0001515388	-	Sprayon MR 312 - Dry Zinc Stearate Release	12	Ounces(OZ)	10-Jan-19
0001515387	-	Sprayon MR 312 - Dry Zinc Stearate Release	12	Ounces(OZ)	10-Jan-19
0001515386	-	Sprayon MR 312 - Dry Zinc Stearate Release	12	Ounces(OZ)	10-Jan-19
0001515385	-	Sprayon MR 312 - Dry Zinc Stearate Release	12	Ounces(OZ)	10-Jan-19
0001515384	-	Sprayon MR 312 - Dry Zinc Stearate Release	12	Ounces(OZ)	10-Jan-19
0001515383	-	Sprayon MR 312 - Dry Zinc Stearate Release	12	Ounces(OZ)	10-Jan-19
0001515380	-	Sprayon MR 312 - Dry Zinc Stearate Release	12	Ounces(OZ)	10-Jan-19
0001515382	-	Sprayon MR 312 - Dry Zinc Stearate Release	12	Ounces(OZ)	10-Jan-19
0001515381	-	Sprayon MR 312 - Dry Zinc Stearate Release	12	Ounces(OZ)	10-Jan-19
0001515379	-	Sprayon MR 312 - Dry Zinc Stearate Release	12	Ounces(OZ)	10-Jan-19
0001515378	-	Sprayon MR 312 - Dry Zinc Stearate Release	12	Ounces(OZ)	10-Jan-19
V000002026	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	10-Jan-19
0001515400	7647-01-0	HYDROCHLORIC ACID (HCL HYDROGEN	2.5	Liters(L)	10-Jan-19
0001515401	7647-01-0	HYDROCHLORIC ACID (HCL HYDROGEN	2.5	Liters(L)	10-Jan-19
0001515402	7647-01-0	HYDROCHLORIC ACID (HCL HYDROGEN	2.5	Liters(L)	10-Jan-19
0001515403	7647-01-0	HYDROCHLORIC ACID (HCL HYDROGEN	2.5	Liters(L)	10-Jan-19
0001515404	7647-01-0	HYDROCHLORIC ACID (HCL HYDROGEN	2.5	Liters(L)	10-Jan-19
0001515405	7647-01-0	HYDROCHLORIC ACID (HCL HYDROGEN	2.5	Liters(L)	10-Jan-19
V000002027	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	10-Jan-19
V000002028	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	10-Jan-19
0001515406	67-63-0	ISOPROPYL ALCOHOL	4	Liters(L)	10-Jan-19
0001515407	67-63-0	ISOPROPYL ALCOHOL	4	Liters(L)	10-Jan-19
0001515408	67-63-0	ISOPROPYL ALCOHOL	4	Liters(L)	10-Jan-19
0001515409	67-63-0	ISOPROPYL ALCOHOL	4	Liters(L)	10-Jan-19
0001515410	2232-08-8	1-(P-TOLEUNESULFONYL)-IMI	25	Gram(GM)	10-Jan-19
0001515411	2232-08-8	1-(P-TOLEUNESULFONYL)-IMI	25	Gram(GM)	10-Jan-19
0001572987	-	Parts Plus Type F ATF	1	Quarts(QT)	10-Jan-19
0001515412	7585-39-9	BETA CYCLODEXTRIN	500	Gram(GM)	10-Jan-19
0001573001	-	Parts Plus Type F ATF	1	Quarts(QT)	10-Jan-19
0001572990	-	Parts Plus Type F ATF	1	Quarts(QT)	10-Jan-19
0001572989	-	Parts Plus Type F ATF	1	Quarts(QT)	10-Jan-19
0001572991	-	Parts Plus Type F ATF	1	Quarts(QT)	10-Jan-19
0001572992	-	Parts Plus Type F ATF	1	Quarts(QT)	10-Jan-19
0001572993	-	Parts Plus Type F ATF	1	Quarts(QT)	10-Jan-19
0001572994	-	Parts Plus Type F ATF	1	Quarts(QT)	10-Jan-19
0001572995	-	Parts Plus Type F ATF	1	Quarts(QT)	10-Jan-19
0001572996	-	Parts Plus Type F ATF	1	Quarts(QT)	10-Jan-19
0001572998	-	Parts Plus Type F ATF	1	Quarts(QT)	10-Jan-19
0001572999	-	Parts Plus Type F ATF	1	Quarts(QT)	10-Jan-19
0001573000	-	Parts Plus Type F ATF	1	Quarts(QT)	10-Jan-19
0001573002	-	Parts Plus Type F ATF	1	Quarts(QT)	10-Jan-19
0001572988	-	Parts Plus Type F ATF	1	Quarts(QT)	10-Jan-19
0001572997	-	Parts Plus Type F ATF	1	Quarts(QT)	10-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001515413	67-63-0	2-PROPANOL	4	Liters(L)	10-Jan-19
V00000203F	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	10-Jan-19
V000002036	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	10-Jan-19
V000002037	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	10-Jan-19
V000002038	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	10-Jan-19
V000002039	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	10-Jan-19
V00000203A	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	10-Jan-19
V00000203B	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	10-Jan-19
V00000203C	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	10-Jan-19
V00000203E	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	10-Jan-19
V000002035	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	10-Jan-19
V000002040	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	10-Jan-19
V000002041	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	10-Jan-19
V00000202B	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	10-Jan-19
V00000203D	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	10-Jan-19
V000002034	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	10-Jan-19
V00000202A	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	10-Jan-19
V00000202C	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	10-Jan-19
V000002029	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	10-Jan-19
V00000202E	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	10-Jan-19
V00000202F	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	10-Jan-19
V000002030	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	10-Jan-19
V000002031	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	10-Jan-19
V000002032	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	10-Jan-19
V000002033	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	10-Jan-19
V00000202D	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	10-Jan-19
V000002062	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V000002067	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V000002066	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V000002065	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V000002064	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V000002063	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V000002061	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V000002060	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V00000205F	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V000002068	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V00000205D	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V00000206F	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V00000205E	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V000002069	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V00000206A	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V00000206B	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V00000206C	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V00000205C	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V00000206E	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V000002073	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V000002070	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V000002071	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002072	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V000002074	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V000002076	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V000002077	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V00000206D	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V00000204B	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V000002042	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V00000205B	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V000002043	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V000002075	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V000002044	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V000002045	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V000002046	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V000002047	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V000002048	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V00000204A	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V00000204C	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V00000204D	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V000002055	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V00000205A	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V000002059	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V000002058	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V000002049	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V000002056	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V00000204E	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V000002054	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V000002053	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V000002052	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V000002051	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V000002050	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V00000204F	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
V000002057	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	10-Jan-19
0001573003	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	10-Jan-19
0001573004	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	10-Jan-19
0001514663	94-59-7	SAFROLE	500	Milliliter(ML)	14-Jan-19
0001515313	7784-27-2	ALUMINUM NITRATE NONAHYDRATE	500	Gram(GM)	14-Jan-19
0001515321	7784-27-2	ALUMINUM NITRATE NONAHYDRATE	500	Gram(GM)	14-Jan-19
0001515324	7784-27-2	ALUMINUM NITRATE NONAHYDRATE	500	Gram(GM)	14-Jan-19
0001515315	7784-27-2	ALUMINUM NITRATE NONAHYDRATE	500	Gram(GM)	14-Jan-19
0001515323	7784-27-2	ALUMINUM NITRATE NONAHYDRATE	500	Gram(GM)	14-Jan-19
0001515322	7784-27-2	ALUMINUM NITRATE NONAHYDRATE	500	Gram(GM)	14-Jan-19
0001515320	7784-27-2	ALUMINUM NITRATE NONAHYDRATE	500	Gram(GM)	14-Jan-19
0001515319	7784-27-2	ALUMINUM NITRATE NONAHYDRATE	500	Gram(GM)	14-Jan-19
0001515318	7784-27-2	ALUMINUM NITRATE NONAHYDRATE	500	Gram(GM)	14-Jan-19
0001515316	7784-27-2	ALUMINUM NITRATE NONAHYDRATE	500	Gram(GM)	14-Jan-19
0001515314	7784-27-2	ALUMINUM NITRATE NONAHYDRATE	500	Gram(GM)	14-Jan-19
0001515317	7784-27-2	ALUMINUM NITRATE NONAHYDRATE	500	Gram(GM)	14-Jan-19
0001515414	58885-58-8	3-(Boc-amino)-1-propanol 97%	50	Milliliter(ML)	14-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001515415	58885-58-8	3-(Boc-amino)-1-propanol 97%	50	Milliliter(ML)	14-Jan-19
0001515416	120-51-4	BENZYL BENZOATE	250	Milliliter(ML)	14-Jan-19
0001515417	68-12-2	N N-DIMETHYLFORMAMIDE	1	Liters(L)	14-Jan-19
0001515418	68-12-2	N N-DIMETHYLFORMAMIDE	1	Liters(L)	14-Jan-19
0001515419	68-12-2	N N-DIMETHYLFORMAMIDE	1	Liters(L)	14-Jan-19
0001515420	68-12-2	N N-DIMETHYLFORMAMIDE	1	Liters(L)	14-Jan-19
0001515421	67-64-1	ACETONE	1	Liters(L)	14-Jan-19
0001515422	67-64-1	ACETONE	1	Liters(L)	14-Jan-19
0001515423	67-64-1	ACETONE	1	Liters(L)	14-Jan-19
0001515424	108-88-3	TOLUENE	19	Liters(L)	14-Jan-19
0001515425	51760-21-5	Dimethyl 5-Bromoisophthalate	5	Gram(GM)	14-Jan-19
0001515426	302-95-4	SODIUM DEOXYCHOLATE	25	Gram(GM)	14-Jan-19
0001515427	75-09-2	METHYLENE CHLORIDE	1.5	Microliter	14-Jan-19
0001515428	7447-39-4	COPPER(II) CHLORIDE	250	Gram(GM)	14-Jan-19
0001515429	68-12-2	N N-DIMETHYLFORMAMIDE	4	Liters(L)	14-Jan-19
0001515430	108-24-7	ACETIC ANHYDRIDE	500	Milliliter(ML)	14-Jan-19
0001515431	110-82-7	CYCLOHEXANE ANHYDROUS 99.5%	1	Liters(L)	14-Jan-19
0001515432	75-79-6	METHYLTRICHLOROSILANE	100	Gram(GM)	14-Jan-19
0001515433	-	SULFUR STANDARD	100	Milliliter(ML)	14-Jan-19
0001515434	7440-43-9	CADMIUM STANDARD	100	Milliliter(ML)	14-Jan-19
0001515435	-	LEAD STANDARD	100	Milliliter(ML)	14-Jan-19
0001515436	82113-65-3	BIS(TRIFLUOROMETHANE)SULFONIMIC	5	Gram(GM)	14-Jan-19
0001515437	-	THORIUM STANDARD	250	Milliliter(ML)	14-Jan-19
0001515438	1941-30-6	TETRAPROPYLAMMONIUM BROMIDE	100	Gram(GM)	14-Jan-19
0001515439	-	MULTI-ELEMENT STANDARD	125	Milliliter(ML)	14-Jan-19
0001515440	18868-43-4	Molybdenum (IV) Oxide	100	Gram(GM)	14-Jan-19
0001515441	18868-43-4	Molybdenum (IV) Oxide	100	Gram(GM)	14-Jan-19
0001515442	1314-23-4	ZIRCONIUM(IV) OXIDE	250	Gram(GM)	14-Jan-19
0001515443	-	Palladium (II) Chloride	100	Milliliter(ML)	14-Jan-19
0001515444	12067-46-8	TUNGSTEN SELENIDE	10	Gram(GM)	14-Jan-19
0001515445	-	KRYTOX GREASE	2	Ounces(OZ)	14-Jan-19
0001515446	-	KRYTOX GREASE	2	Ounces(OZ)	14-Jan-19
0001515447	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	14-Jan-19
0001515469	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	14-Jan-19
0001515463	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	14-Jan-19
0001515464	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	14-Jan-19
0001515465	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	14-Jan-19
0001515466	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	14-Jan-19
0001515462	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	14-Jan-19
0001515468	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	14-Jan-19
0001515458	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	14-Jan-19
0001515470	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	14-Jan-19
0001515453	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	14-Jan-19
0001515467	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	14-Jan-19
0001515461	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	14-Jan-19
0001515459	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	14-Jan-19
0001515457	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	14-Jan-19
0001515456	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	14-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001515454	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	14-Jan-19
0001515452	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	14-Jan-19
0001515451	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	14-Jan-19
0001515450	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	14-Jan-19
0001515449	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	14-Jan-19
0001515448	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	14-Jan-19
0001515460	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	14-Jan-19
0001515455	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	14-Jan-19
0001515472	14221-01-3	TETRAKIS(TRIPHENYLPHOSPHINE)-PALLADIUM(O)	1	Gram(GM)	14-Jan-19
0001515006	584-08-7	POTASSIUM CARBONATE ANHYDROUS	1	Kilograms(KG)	14-Jan-19
0001515296	107-11-9	ALLYLAMINE	50	Milliliter(ML)	14-Jan-19
0001515297	541-41-3	ETHYL CHLOROFORMATE	100	Gram(GM)	14-Jan-19
0001515298	107-11-9	ALLYLAMINE	250	Milliliter(ML)	14-Jan-19
0001515300	108-98-5	THIOPHENOL 97%	100	Gram(GM)	14-Jan-19
0001515585	1070-89-9	SODIUM HEXAMETHYLDISILAZANE	5	Gram(GM)	14-Jan-19
0001515586	1070-89-9	SODIUM HEXAMETHYLDISILAZANE	5	Gram(GM)	14-Jan-19
0001515588	12333-13-0	SPT-O POLY-GEE Brand Sodium Polytungstate	1	Pounds(LB)	14-Jan-19
0001515590	12333-13-0	SPT-O POLY-GEE Brand Sodium Polytungstate	1	Pounds(LB)	14-Jan-19
0001515589	12333-13-0	SPT-O POLY-GEE Brand Sodium Polytungstate	1	Pounds(LB)	14-Jan-19
0001515592	Multi	FAST DNA SPIN KIT FOR SOIL	100	Milliliter(ML)	14-Jan-19
0001515594	Multi	FAST DNA SPIN KIT FOR SOIL	100	Milliliter(ML)	14-Jan-19
0001515593	Multi	FAST DNA SPIN KIT FOR SOIL	100	Milliliter(ML)	14-Jan-19
0001515595	Multi	FAST DNA SPIN KIT FOR SOIL	100	Milliliter(ML)	14-Jan-19
0001515599	Multi	FAST DNA SPIN KIT FOR SOIL	100	Milliliter(ML)	14-Jan-19
0001515596	Multi	FAST DNA SPIN KIT FOR SOIL	100	Milliliter(ML)	14-Jan-19
0001515597	Multi	FAST DNA SPIN KIT FOR SOIL	100	Milliliter(ML)	14-Jan-19
0001515598	Multi	FAST DNA SPIN KIT FOR SOIL	100	Milliliter(ML)	14-Jan-19
0001515600	7601-54-9	TRISODIUM PHOSPHATE	1	Kilograms(KG)	14-Jan-19
0001515601	9002-92-0	Brij L23 Solution	1	Kilograms(KG)	14-Jan-19
0001515606	1469277-96-0	Cyanine5.5 NHS ester	50	Milligram(MG)	14-Jan-19
0001515607	1469277-96-0	Cyanine5.5 NHS ester	50	Milligram(MG)	14-Jan-19
0001515608	7761-88-8	SILVER NITRATE	1	Liters(L)	14-Jan-19
0001515609	119478-56-7	Meropenem trihydrate	50	Milligram(MG)	14-Jan-19
0001515610	7681-57-4	SODIUM METABISULFITE	10000	Gram(GM)	14-Jan-19
0001515612	7681-57-4	SODIUM METABISULFITE	10000	Gram(GM)	14-Jan-19
0001515613	7681-57-4	SODIUM METABISULFITE	10000	Gram(GM)	14-Jan-19
0001515614	7681-57-4	SODIUM METABISULFITE	10000	Gram(GM)	14-Jan-19
0001515611	7681-57-4	SODIUM METABISULFITE	10000	Gram(GM)	14-Jan-19
0001515615	1314-23-4	ZIRCONIUM(IV) OXIDE	100	Gram(GM)	14-Jan-19
0001515622	4006-38-6	DI-I-BUTYLPHOSPHINE	25	Gram(GM)	14-Jan-19
0001515623	89992-70-1	2-CYANOETHYL N N-	1	Gram(GM)	14-Jan-19
0001563258	-	CARBON DOIXIDE 1.6% CARBON MONOXIDE	3	Pounds(LB)	14-Jan-19
0001563260	-	CARBON DOIXIDE 1.6% CARBON MONOXIDE	3	Pounds(LB)	14-Jan-19
0001563259	-	CARBON DOIXIDE 1.6% CARBON MONOXIDE	3	Pounds(LB)	14-Jan-19
0001563261	-	ISOBUTANE-BUTANE BLEND	3	Pounds(LB)	14-Jan-19
0001514986	-	LANL-CAL-2B	125	Milliliter(ML)	14-Jan-19
0001514987	-	LANL-CAL-2B	125	Milliliter(ML)	14-Jan-19
0001563263	-	ZERO OXYGEN SOLUTION	3	Cubic Feet(CF)	14-Jan-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001514988	-	LANL-CAL-3	125	Milliliter(ML)	14-Jan-19
0001514989	-	LANL-CAL-3	125	Milliliter(ML)	14-Jan-19
0001514990	-	LANL-CAL-5	125	Milliliter(ML)	14-Jan-19
0001563253	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Liters(L)	14-Jan-19
0001563254	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Liters(L)	14-Jan-19
0001563257	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Liters(L)	14-Jan-19
0001563256	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Liters(L)	14-Jan-19
0001563255	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Liters(L)	14-Jan-19
0001514991	-	LANL-CAL-5	125	Milliliter(ML)	14-Jan-19
0001563227	-	Argon UHP	220	Cubic Feet(CF)	14-Jan-19
0001563242	-	Argon UHP	220	Cubic Feet(CF)	14-Jan-19
0001563228	-	Argon UHP	220	Cubic Feet(CF)	14-Jan-19
0001563229	-	Argon UHP	220	Cubic Feet(CF)	14-Jan-19
0001563230	-	Argon UHP	220	Cubic Feet(CF)	14-Jan-19
0001563231	-	Argon UHP	220	Cubic Feet(CF)	14-Jan-19
0001563232	-	Argon UHP	220	Cubic Feet(CF)	14-Jan-19
0001563233	-	Argon UHP	220	Cubic Feet(CF)	14-Jan-19
0001563234	-	Argon UHP	220	Cubic Feet(CF)	14-Jan-19
0001563235	-	Argon UHP	220	Cubic Feet(CF)	14-Jan-19
0001563236	-	Argon UHP	220	Cubic Feet(CF)	14-Jan-19
0001563237	-	Argon UHP	220	Cubic Feet(CF)	14-Jan-19
0001563241	-	Argon UHP	220	Cubic Feet(CF)	14-Jan-19
0001563238	-	Argon UHP	220	Cubic Feet(CF)	14-Jan-19
0001563243	-	Argon UHP	220	Cubic Feet(CF)	14-Jan-19
0001563244	-	Argon UHP	220	Cubic Feet(CF)	14-Jan-19
0001563245	-	Argon UHP	220	Cubic Feet(CF)	14-Jan-19
0001563246	-	Argon UHP	220	Cubic Feet(CF)	14-Jan-19
0001563247	-	Argon UHP	220	Cubic Feet(CF)	14-Jan-19
0001563248	-	Argon UHP	220	Cubic Feet(CF)	14-Jan-19
0001563249	-	Argon UHP	220	Cubic Feet(CF)	14-Jan-19
0001563250	-	Argon UHP	220	Cubic Feet(CF)	14-Jan-19
0001563251	-	Argon UHP	220	Cubic Feet(CF)	14-Jan-19
0001563252	-	Argon UHP	220	Cubic Feet(CF)	14-Jan-19
0001563239	-	Argon UHP	220	Cubic Feet(CF)	14-Jan-19
0001563240	-	Argon UHP	220	Cubic Feet(CF)	14-Jan-19
0001514992	-	LANL-CAL-6A	125	Milliliter(ML)	14-Jan-19
0001514993	-	LANL-CAL-6A	125	Milliliter(ML)	14-Jan-19
0001514994	-	LANL-CCS-1A	125	Milliliter(ML)	14-Jan-19
0001514995	-	LANL-CCS-4	125	Milliliter(ML)	14-Jan-19
0001514996	-	LANL-CCS-5	125	Milliliter(ML)	14-Jan-19
0001514997	-	LANL-CCS-6	125	Milliliter(ML)	14-Jan-19
0001514998	7697-37-2	NITRIC ACID 70%	2.2	Liters(L)	14-Jan-19
0001515001	7697-37-2	NITRIC ACID 70%	2.2	Liters(L)	14-Jan-19
0001515002	7697-37-2	NITRIC ACID 70%	2.2	Liters(L)	14-Jan-19
0001515000	7697-37-2	NITRIC ACID 70%	2.2	Liters(L)	14-Jan-19
0001515003	7697-37-2	NITRIC ACID 70%	2.2	Liters(L)	14-Jan-19
0001514999	7697-37-2	NITRIC ACID 70%	2.2	Liters(L)	14-Jan-19
0001515004	25322-17-2	DINONYLNAPHTHALENESULFONIC ACID	5	Gram(GM)	14-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001515005	1313-99-1	NICKEL(II) OXIDE	250	Gram(GM)	14-Jan-19
0001515245	7440-41-7	BERYLLIUM STANDARD	1	Milliliter(ML)	14-Jan-19
0001515304	57-55-6	1 2-PROPANEDIOL	55	Gallon(GAL)	14-Jan-19
0001515306	57-55-6	1 2-PROPANEDIOL	55	Gallon(GAL)	14-Jan-19
0001515305	57-55-6	1 2-PROPANEDIOL	55	Gallon(GAL)	14-Jan-19
0001515473	1828-21-0	TIN OXIDE	50	Gram(GM)	14-Jan-19
0001515474	-	FULLCURE 705	3.6	Kilograms(KG)	14-Jan-19
0001515476	-	FULLCURE 705	3.6	Kilograms(KG)	14-Jan-19
0001515477	-	FULLCURE 705	3.6	Kilograms(KG)	14-Jan-19
0001515478	-	FULLCURE 705	3.6	Kilograms(KG)	14-Jan-19
0001515479	-	FULLCURE 705	3.6	Kilograms(KG)	14-Jan-19
0001515475	-	FULLCURE 705	3.6	Kilograms(KG)	14-Jan-19
0001515480	-	TANGOBLACK PLUS FLX980	3.6	Kilograms(KG)	14-Jan-19
0001515481	-	FULLCURE 720	3.6	Kilograms(KG)	14-Jan-19
0001515484	-	FULLCURE 720	3.6	Kilograms(KG)	14-Jan-19
0001515482	-	FULLCURE 720	3.6	Kilograms(KG)	14-Jan-19
0001515483	-	FULLCURE 720	3.6	Kilograms(KG)	14-Jan-19
0001515485	-	VEROCYAN RGD843	3.6	Kilograms(KG)	14-Jan-19
0001515487	-	VEROCYAN RGD843	3.6	Kilograms(KG)	14-Jan-19
0001515486	-	VEROCYAN RGD843	3.6	Kilograms(KG)	14-Jan-19
0001515488	-	FullCure RGD837 - VeroPureWhite	3.6	Kilograms(KG)	14-Jan-19
0001515489	-	VERO MAGENTA RGD851	3.6	Kilograms(KG)	14-Jan-19
0001515491	-	VERO MAGENTA RGD851	3.6	Kilograms(KG)	14-Jan-19
0001515490	-	VERO MAGENTA RGD851	3.6	Kilograms(KG)	14-Jan-19
0001515492	-	VERO YELLOW RGD836	3.6	Kilograms(KG)	14-Jan-19
0001515494	-	VERO YELLOW RGD836	3.6	Kilograms(KG)	14-Jan-19
0001515493	-	VERO YELLOW RGD836	3.6	Kilograms(KG)	14-Jan-19
0001515495	67-64-1	ACETONE	4	Liters(L)	14-Jan-19
0001515498	67-64-1	ACETONE	4	Liters(L)	14-Jan-19
0001515497	67-64-1	ACETONE	4	Liters(L)	14-Jan-19
0001515496	67-64-1	ACETONE	4	Liters(L)	14-Jan-19
0001515499	-	DC 3-6559 ACCELERATOR	0.45	Kilograms(KG)	14-Jan-19
0001515501	-	DC 3-6559 ACCELERATOR	0.45	Kilograms(KG)	14-Jan-19
0001515507	-	DC 3-6559 ACCELERATOR	0.45	Kilograms(KG)	14-Jan-19
0001515506	-	DC 3-6559 ACCELERATOR	0.45	Kilograms(KG)	14-Jan-19
0001515505	-	DC 3-6559 ACCELERATOR	0.45	Kilograms(KG)	14-Jan-19
0001515504	-	DC 3-6559 ACCELERATOR	0.45	Kilograms(KG)	14-Jan-19
0001515502	-	DC 3-6559 ACCELERATOR	0.45	Kilograms(KG)	14-Jan-19
0001515500	-	DC 3-6559 ACCELERATOR	0.45	Kilograms(KG)	14-Jan-19
0001515503	-	DC 3-6559 ACCELERATOR	0.45	Kilograms(KG)	14-Jan-19
0001515508	7722-64-7	POTASSIUM PERMANGANATE	2	Kilograms(KG)	14-Jan-19
0001515509	7772-99-8	TIN(II) CHLORIDE	500	Gram(GM)	14-Jan-19
0001515510	12138-09-9	TUNGSTEN SULFIDE	50	Gram(GM)	14-Jan-19
0001515511	123-75-1	PYRROLIDINE	500	Milliliter(ML)	14-Jan-19
0001515515	123-75-1	PYRROLIDINE	500	Milliliter(ML)	14-Jan-19
0001515512	123-75-1	PYRROLIDINE	500	Milliliter(ML)	14-Jan-19
0001515516	123-75-1	PYRROLIDINE	500	Milliliter(ML)	14-Jan-19
0001515513	123-75-1	PYRROLIDINE	500	Milliliter(ML)	14-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001515514	123-75-1	PYRROLIDINE	500	Milliliter(ML)	14-Jan-19
0001515517	77-09-8	PHENOLPHTHALEIN	100	Gram(GM)	14-Jan-19
0001515518	74507-61-2	Bis(pentamethylcyclopentadienyl)chromium	1	Gram(GM)	14-Jan-19
0001515519	7681-82-5	SODIUM IODIDE ANHYDROUS	100	Gram(GM)	14-Jan-19
0001515520	7681-82-5	SODIUM IODIDE ANHYDROUS	100	Gram(GM)	14-Jan-19
0001515521	-	Micromho Standard 3000	1	Liters(L)	14-Jan-19
0001515524	-	Micromho Standard 3000	1	Liters(L)	14-Jan-19
0001515522	-	Micromho Standard 3000	1	Liters(L)	14-Jan-19
0001515523	-	Micromho Standard 3000	1	Liters(L)	14-Jan-19
0001515525	-	SOLN 600 MICROMHO STANDARD	1	Liters(L)	14-Jan-19
0001515527	-	SOLN 600 MICROMHO STANDARD	1	Liters(L)	14-Jan-19
0001515526	-	SOLN 600 MICROMHO STANDARD	1	Liters(L)	14-Jan-19
0001515528	-	SOLN 600 MICROMHO STANDARD	1	Liters(L)	14-Jan-19
0001515529	Multi	Nexguard Trasar 3 Calibration Solution	1	Liters(L)	14-Jan-19
0001515532	Multi	Nexguard Trasar 3 Calibration Solution	1	Liters(L)	14-Jan-19
0001515531	Multi	Nexguard Trasar 3 Calibration Solution	1	Liters(L)	14-Jan-19
0001515530	Multi	Nexguard Trasar 3 Calibration Solution	1	Liters(L)	14-Jan-19
0001515533	67-68-5	DIMETHYL SULFOXIDE	1	Liters(L)	14-Jan-19
0001515534	67-68-5	DIMETHYL SULFOXIDE	1	Liters(L)	14-Jan-19
0001515535	67-68-5	DIMETHYL SULFOXIDE	1	Liters(L)	14-Jan-19
0001515536	67-68-5	DIMETHYL SULFOXIDE	1	Liters(L)	14-Jan-19
0001515537	2987-53-3	2-(Methylthio)aniline	25	Gram(GM)	14-Jan-19
0001515538	92-85-3	THIANTHRENE	25	Gram(GM)	14-Jan-19
0001515539	67-64-1	ACETONE	4	Liters(L)	14-Jan-19
0001515540	67-64-1	ACETONE	4	Liters(L)	14-Jan-19
0001515542	67-64-1	ACETONE	4	Liters(L)	14-Jan-19
0001515543	67-64-1	ACETONE	4	Liters(L)	14-Jan-19
0001515544	67-64-1	ACETONE	4	Liters(L)	14-Jan-19
0001515546	67-64-1	ACETONE	4	Liters(L)	14-Jan-19
0001515541	67-64-1	ACETONE	4	Liters(L)	14-Jan-19
0001515547	67-64-1	ACETONE	4	Liters(L)	14-Jan-19
0001515548	67-64-1	ACETONE	4	Liters(L)	14-Jan-19
0001515549	67-64-1	ACETONE	4	Liters(L)	14-Jan-19
0001515550	67-64-1	ACETONE	4	Liters(L)	14-Jan-19
0001515545	67-64-1	ACETONE	4	Liters(L)	14-Jan-19
0001515551	98-13-5	PHENYLTRICHLOROSILANE	25	Gram(GM)	14-Jan-19
0001515552	7601-89-0	SODIUM PERCHLORATE	250	Gram(GM)	14-Jan-19
0001515553	5970-45-6	ZINC ACETATE DIHYDRATE	250	Gram(GM)	14-Jan-19
0001515554	67-64-1	ACETONE REAGENT ACS	4	Liters(L)	14-Jan-19
0001515556	67-64-1	ACETONE REAGENT ACS	4	Liters(L)	14-Jan-19
0001515557	67-64-1	ACETONE REAGENT ACS	4	Liters(L)	14-Jan-19
0001515555	67-64-1	ACETONE REAGENT ACS	4	Liters(L)	14-Jan-19
0001515583	-	MicroC 2000	265	Gallon(GAL)	14-Jan-19
0001515584	-	MicroC 2000	265	Gallon(GAL)	14-Jan-19
0001386712	7440-37-1	ARGON COMPRESSED	40	Cubic Feet(CF)	14-Jan-19
0001386713	-	SHERLOCK GAS AND AIR LEAK DETECTOR	8	Ounces(OZ)	14-Jan-19
0001386714	-	LOCTITE 325 SPEED BONDER STRUCTURAL	50	Milliliter(ML)	14-Jan-19
0001573005	-	AW 32 HYDRAULIC FLUID	1	Gallon(GAL)	15-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001573006	-	AW 32 HYDRAULIC FLUID	1	Gallon(GAL)	15-Jan-19
0001459014	-	POLYAMIDE RESIN CURING AGENT	1	Pint(PT)	15-Jan-19
0001459015	-	POLYAMIDE RESIN CURING AGENT	1	Pint(PT)	15-Jan-19
0001317675	-	HYDROIODIC ACID 57%	250	Milliliter(ML)	15-Jan-19
0001515299	16853-85-3	LITHIUM ALUMINUM HYDRIDE	25	Gram(GM)	15-Jan-19
0001515301	63231-60-7	Quakehold Museum Wax	2	Ounces(OZ)	15-Jan-19
0001515302	7719-09-7	THIONYL CHLORIDE	100	Milliliter(ML)	15-Jan-19
0001515307	407-25-0	TRIFLUOROACETIC ANHYDRIDE	100	Milliliter(ML)	15-Jan-19
0001515308	407-25-0	TRIFLUOROACETIC ANHYDRIDE	100	Milliliter(ML)	15-Jan-19
0001515309	7791-18-6	MAGNESIUM CHLORIDE HEXAHYDRATE	500	Gram(GM)	15-Jan-19
0001515310	7790-28-5	SODIUM PERIODATE	100	Gram(GM)	15-Jan-19
0001515330	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	4	Liters(L)	15-Jan-19
0001515350	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	4	Liters(L)	15-Jan-19
0001515336	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	4	Liters(L)	15-Jan-19
0001515351	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	4	Liters(L)	15-Jan-19
0001515341	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	4	Liters(L)	15-Jan-19
0001515349	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	4	Liters(L)	15-Jan-19
0001515348	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	4	Liters(L)	15-Jan-19
0001515347	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	4	Liters(L)	15-Jan-19
0001515346	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	4	Liters(L)	15-Jan-19
0001515345	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	4	Liters(L)	15-Jan-19
0001515344	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	4	Liters(L)	15-Jan-19
0001515343	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	4	Liters(L)	15-Jan-19
0001515352	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	4	Liters(L)	15-Jan-19
0001515342	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	4	Liters(L)	15-Jan-19
0001515333	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	4	Liters(L)	15-Jan-19
0001515356	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	4	Liters(L)	15-Jan-19
0001515355	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	4	Liters(L)	15-Jan-19
0001515354	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	4	Liters(L)	15-Jan-19
0001515331	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	4	Liters(L)	15-Jan-19
0001515338	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	4	Liters(L)	15-Jan-19
0001515332	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	4	Liters(L)	15-Jan-19
0001515340	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	4	Liters(L)	15-Jan-19
0001515334	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	4	Liters(L)	15-Jan-19
0001515335	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	4	Liters(L)	15-Jan-19
0001515353	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	4	Liters(L)	15-Jan-19
0001515337	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	4	Liters(L)	15-Jan-19
0001515357	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	4	Liters(L)	15-Jan-19
0001515339	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	4	Liters(L)	15-Jan-19
0001515558	-	ZERO CHARGE ANTI-STATIC SCREEN AND	1	Quarts(QT)	15-Jan-19
0001515560	-	ZERO CHARGE ANTI-STATIC SCREEN AND	1	Quarts(QT)	15-Jan-19
0001515569	-	ZERO CHARGE ANTI-STATIC SCREEN AND	1	Quarts(QT)	15-Jan-19
0001515559	-	ZERO CHARGE ANTI-STATIC SCREEN AND	1	Quarts(QT)	15-Jan-19
0001515561	-	ZERO CHARGE ANTI-STATIC SCREEN AND	1	Quarts(QT)	15-Jan-19
0001515563	-	ZERO CHARGE ANTI-STATIC SCREEN AND	1	Quarts(QT)	15-Jan-19
0001515564	-	ZERO CHARGE ANTI-STATIC SCREEN AND	1	Quarts(QT)	15-Jan-19
0001515565	-	ZERO CHARGE ANTI-STATIC SCREEN AND	1	Quarts(QT)	15-Jan-19
0001515566	-	ZERO CHARGE ANTI-STATIC SCREEN AND	1	Quarts(QT)	15-Jan-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001515567	-	ZERO CHARGE ANTI-STATIC SCREEN AND	1	Quarts(QT)	15-Jan-19
0001515568	-	ZERO CHARGE ANTI-STATIC SCREEN AND	1	Quarts(QT)	15-Jan-19
0001515562	-	ZERO CHARGE ANTI-STATIC SCREEN AND	1	Quarts(QT)	15-Jan-19
0001515570	67-63-0	2-PROPANOL	1	Liters(L)	15-Jan-19
0001515571	75-05-8	ACETONITRILE	1	Liters(L)	15-Jan-19
0001515573	75-05-8	ACETONITRILE	1	Liters(L)	15-Jan-19
0001515572	75-05-8	ACETONITRILE	1	Liters(L)	15-Jan-19
0001515574	10025-77-1	IRON(III) CHLORIDE HEXAHYDRATE	250	Gram(GM)	15-Jan-19
0001515575	10043-11-5	BORON NITRIDE	200	Gram(GM)	15-Jan-19
0001515576	1643-19-2	TETRABUTYLAMMONIUM BROMIDE	100	Gram(GM)	15-Jan-19
0001515577	7727-73-3	SODIUM SULFATE DECAHYDRATE	500	Gram(GM)	15-Jan-19
0001515582	7727-73-3	SODIUM SULFATE DECAHYDRATE	500	Gram(GM)	15-Jan-19
0001515578	7727-73-3	SODIUM SULFATE DECAHYDRATE	500	Gram(GM)	15-Jan-19
0001515579	7727-73-3	SODIUM SULFATE DECAHYDRATE	500	Gram(GM)	15-Jan-19
0001515580	7727-73-3	SODIUM SULFATE DECAHYDRATE	500	Gram(GM)	15-Jan-19
0001515581	7727-73-3	SODIUM SULFATE DECAHYDRATE	500	Gram(GM)	15-Jan-19
0001515587	75-05-8	ACETONITRILE HPLC	4	Liters(L)	15-Jan-19
0001515591	67-64-1	ACETONE	1	Liters(L)	15-Jan-19
0001515602	67-64-1	ACETONE REAGENT ACS	1	Gallon(GAL)	15-Jan-19
0001515605	67-64-1	ACETONE REAGENT ACS	1	Gallon(GAL)	15-Jan-19
0001515603	67-64-1	ACETONE REAGENT ACS	1	Gallon(GAL)	15-Jan-19
0001515604	67-64-1	ACETONE REAGENT ACS	1	Gallon(GAL)	15-Jan-19
0001515616	75-05-8	ACETONITRILE	1	Liters(L)	15-Jan-19
0001515617	75-05-8	ACETONITRILE	1	Liters(L)	15-Jan-19
0001515618	75-05-8	ACETONITRILE	1	Liters(L)	15-Jan-19
0001515619	75-05-8	ACETONITRILE	1	Liters(L)	15-Jan-19
0001515620	75-05-8	ACETONITRILE	1	Liters(L)	15-Jan-19
0001515621	75-05-8	ACETONITRILE	1	Liters(L)	15-Jan-19
0001515624	-	CELL PROLIFERATION REAGENT KIT	25	Milliliter(ML)	15-Jan-19
0001515625	-	CELL PROLIFERATION REAGENT KIT	25	Milliliter(ML)	15-Jan-19
0001515626	-	DeconGel 1108; DeconGel 1128	5	Gram(GM)	15-Jan-19
0001515633	-	DeconGel 1108; DeconGel 1128	5	Gram(GM)	15-Jan-19
0001515627	-	DeconGel 1108; DeconGel 1128	5	Gram(GM)	15-Jan-19
0001515628	-	DeconGel 1108; DeconGel 1128	5	Gram(GM)	15-Jan-19
0001515629	-	DeconGel 1108; DeconGel 1128	5	Gram(GM)	15-Jan-19
0001515630	-	DeconGel 1108; DeconGel 1128	5	Gram(GM)	15-Jan-19
0001515632	-	DeconGel 1108; DeconGel 1128	5	Gram(GM)	15-Jan-19
0001515634	-	DeconGel 1108; DeconGel 1128	5	Gram(GM)	15-Jan-19
0001515635	-	DeconGel 1108; DeconGel 1128	5	Gram(GM)	15-Jan-19
0001515631	-	DeconGel 1108; DeconGel 1128	5	Gram(GM)	15-Jan-19
0001515655	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Gallon(GAL)	15-Jan-19
0001515659	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Gallon(GAL)	15-Jan-19
0001515656	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Gallon(GAL)	15-Jan-19
0001515658	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Gallon(GAL)	15-Jan-19
0001515660	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Gallon(GAL)	15-Jan-19
0001515661	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Gallon(GAL)	15-Jan-19
0001515662	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Gallon(GAL)	15-Jan-19
0001515657	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Gallon(GAL)	15-Jan-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001515727	-	NITRA-VER TEST-N-TUBE REAGENT SET #	100	Milliliter(ML)	15-Jan-19
0001515728	-	NITRA-VER TEST-N-TUBE REAGENT SET #	100	Milliliter(ML)	15-Jan-19
0001515732	-	NITRA-VER TEST-N-TUBE REAGENT SET #	100	Milliliter(ML)	15-Jan-19
0001515729	-	NITRA-VER TEST-N-TUBE REAGENT SET #	100	Milliliter(ML)	15-Jan-19
0001515730	-	NITRA-VER TEST-N-TUBE REAGENT SET #	100	Milliliter(ML)	15-Jan-19
0001515733	-	NITRA-VER TEST-N-TUBE REAGENT SET #	100	Milliliter(ML)	15-Jan-19
0001515734	-	NITRA-VER TEST-N-TUBE REAGENT SET #	100	Milliliter(ML)	15-Jan-19
0001515731	-	NITRA-VER TEST-N-TUBE REAGENT SET #	100	Milliliter(ML)	15-Jan-19
0001515735	-	TOTAL CHLORINE BUFFER SOL	473	Milliliter(ML)	15-Jan-19
0001515737	-	TOTAL CHLORINE BUFFER SOL	473	Milliliter(ML)	15-Jan-19
0001515738	-	TOTAL CHLORINE BUFFER SOL	473	Milliliter(ML)	15-Jan-19
0001515736	-	TOTAL CHLORINE BUFFER SOL	473	Milliliter(ML)	15-Jan-19
0001515739	-	TOTAL CHLORINE BUFFER SOL	473	Milliliter(ML)	15-Jan-19
0001574098	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574027	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574091	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574077	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574078	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574079	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574080	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574081	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574082	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574084	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574086	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574087	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574088	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574090	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574092	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574093	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574094	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574095	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574096	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574097	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574083	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574076	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574089	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574038	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574050	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574049	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574048	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574047	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574046	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574045	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574044	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574075	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574042	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574085	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574051	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001574039	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574043	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574037	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574036	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574035	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574034	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574033	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574032	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574031	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574030	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574029	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574028	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574040	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574072	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574041	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574073	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574052	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574071	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574070	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574069	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574068	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574067	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574066	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574065	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574064	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574058	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574053	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574054	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574055	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574063	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574057	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574059	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574074	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574060	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574061	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574062	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574056	-	BROMICIDE TABLETS	5	Gallon(GAL)	15-Jan-19
0001574023	-	AW-68 HYDRAULIC OIL	5	Gallon(GAL)	15-Jan-19
0001574024	-	AW-68 HYDRAULIC OIL	5	Gallon(GAL)	15-Jan-19
0001574025	-	PREMIUM HYDRAULIC FLUID AW-32	5	Gallon(GAL)	15-Jan-19
0001574026	-	PREMIUM HYDRAULIC FLUID AW-32	5	Gallon(GAL)	15-Jan-19
0001515740	-	CL17 Free Chlorine Buffer Solution	473	Milliliter(ML)	15-Jan-19
0001515742	-	CL17 Free Chlorine Buffer Solution	473	Milliliter(ML)	15-Jan-19
0001515743	-	CL17 Free Chlorine Buffer Solution	473	Milliliter(ML)	15-Jan-19
0001515744	-	CL17 Free Chlorine Buffer Solution	473	Milliliter(ML)	15-Jan-19
0001515741	-	CL17 Free Chlorine Buffer Solution	473	Milliliter(ML)	15-Jan-19
0001515745	-	EXPULSION SOLUTION AMTAX	237	Milliliter(ML)	15-Jan-19
0001515747	-	EXPULSION SOLUTION AMTAX	237	Milliliter(ML)	15-Jan-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001515750	-	EXPULSION SOLUTION AMTAX	237	Milliliter(ML)	15-Jan-19
0001515748	-	EXPULSION SOLUTION AMTAX	237	Milliliter(ML)	15-Jan-19
0001515746	-	EXPULSION SOLUTION AMTAX	237	Milliliter(ML)	15-Jan-19
0001515749	-	EXPULSION SOLUTION AMTAX	237	Milliliter(ML)	15-Jan-19
0001515751	-	Ammonia TNTplus Vial Test LR	12	Milligram(MG)	15-Jan-19
0001515755	-	Ammonia TNTplus Vial Test LR	12	Milligram(MG)	15-Jan-19
0001515758	-	Ammonia TNTplus Vial Test LR	12	Milligram(MG)	15-Jan-19
0001515752	-	Ammonia TNTplus Vial Test LR	12	Milligram(MG)	15-Jan-19
0001515754	-	Ammonia TNTplus Vial Test LR	12	Milligram(MG)	15-Jan-19
0001515756	-	Ammonia TNTplus Vial Test LR	12	Milligram(MG)	15-Jan-19
0001515757	-	Ammonia TNTplus Vial Test LR	12	Milligram(MG)	15-Jan-19
0001515753	-	Ammonia TNTplus Vial Test LR	12	Milligram(MG)	15-Jan-19
0001457489	-	SUPER GLUE	0.5	Gram(GM)	16-Jan-19
0001514730	-	LANL-CAL-2B	125	Milliliter(ML)	16-Jan-19
0001514731	-	LANL-CAL-2B	125	Milliliter(ML)	16-Jan-19
0001514733	-	LANL-CAL-2B	125	Milliliter(ML)	16-Jan-19
0001514732	-	LANL-CAL-2B	125	Milliliter(ML)	16-Jan-19
0001514734	-	LANL-CAL-3	125	Milliliter(ML)	16-Jan-19
0001514735	-	LANL-CAL-3	125	Milliliter(ML)	16-Jan-19
0001514736	-	LANL-CAL-3	125	Milliliter(ML)	16-Jan-19
0001514737	-	LANL-CAL-3	125	Milliliter(ML)	16-Jan-19
0001514738	-	LANL-CAL-5	125	Milliliter(ML)	16-Jan-19
0001514741	-	LANL-CAL-5	125	Milliliter(ML)	16-Jan-19
0001514739	-	LANL-CAL-5	125	Milliliter(ML)	16-Jan-19
0001514740	-	LANL-CAL-5	125	Milliliter(ML)	16-Jan-19
0001514742	-	LANL-CAL-6A	125	Milliliter(ML)	16-Jan-19
0001514743	-	LANL-CAL-6A	125	Milliliter(ML)	16-Jan-19
0001514744	-	LANL-CAL-6A	125	Milliliter(ML)	16-Jan-19
0001514745	-	LANL-CAL-6A	125	Milliliter(ML)	16-Jan-19
0001514746	-	LANL-CCS-1A	125	Milliliter(ML)	16-Jan-19
0001514747	-	LANL-CCS-1A	125	Milliliter(ML)	16-Jan-19
0001514748	-	LANL-CCS-4	125	Milliliter(ML)	16-Jan-19
0001514749	-	LANL-CCS-4	125	Milliliter(ML)	16-Jan-19
0001514750	-	LANL-CCS-5	125	Milliliter(ML)	16-Jan-19
0001514751	-	LANL-CCS-5	125	Milliliter(ML)	16-Jan-19
0001514752	-	LANL-CCS-6	125	Milliliter(ML)	16-Jan-19
0001514753	-	LANL-CCS-6	125	Milliliter(ML)	16-Jan-19
0001515311	-	RD-407	1	Gallon(GAL)	16-Jan-19
0001515312	-	CHLORINE COLOR STANDARD KIT	50	Milliliter(ML)	16-Jan-19
0001515325	-	GLASS AND PLASTIC CLEANER 100	16	Ounces(OZ)	16-Jan-19
0001515326	-	GLASS AND PLASTIC CLEANER 100	16	Ounces(OZ)	16-Jan-19
0001515327	-	EZ:faast GC-FID Physiological Amino Acid	100	Milliliter(ML)	16-Jan-19
0011169150	75-52-5	NITROMETHANE	8	Ounces(OZ)	16-Jan-19
0001515329	-	Electrodag 5810 Silver Epoxy	4.4	Gram(GM)	16-Jan-19
0001515358	75-09-2	DICHLOROMETHANE	2	Liters(L)	16-Jan-19
0001515361	75-09-2	DICHLOROMETHANE	2	Liters(L)	16-Jan-19
0001515359	75-09-2	DICHLOROMETHANE	2	Liters(L)	16-Jan-19
0001515360	75-09-2	DICHLOROMETHANE	2	Liters(L)	16-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001515365	75-09-2	DICHLOROMETHANE	2	Liters(L)	16-Jan-19
0001515363	75-09-2	DICHLOROMETHANE	2	Liters(L)	16-Jan-19
0001515364	75-09-2	DICHLOROMETHANE	2	Liters(L)	16-Jan-19
0001515362	75-09-2	DICHLOROMETHANE	2	Liters(L)	16-Jan-19
0001515366	-	LIVE/DEAD BacLight Bacterial Viability Kit	500	Milliliter(ML)	16-Jan-19
0001515636	-	NOVEC ENGINEERED FLUID	1	Gallon(GAL)	16-Jan-19
0001515637	-	NOVEC ENGINEERED FLUID	1	Gallon(GAL)	16-Jan-19
0001515639	-	NOVEC ENGINEERED FLUID	1	Gallon(GAL)	16-Jan-19
0001515640	-	NOVEC ENGINEERED FLUID	1	Gallon(GAL)	16-Jan-19
0001515638	-	NOVEC ENGINEERED FLUID	1	Gallon(GAL)	16-Jan-19
0001515641	-	Novec 72DE Engineered Fluid	1	Gallon(GAL)	16-Jan-19
0001515642	-	Novec 71DA Engineered Fluid	1	Gallon(GAL)	16-Jan-19
0001515643	-	3M NOVEC ENGINEERED HFE-7200	1	Gallon(GAL)	16-Jan-19
0001515644	-	IRON STANDARD	125	Milliliter(ML)	16-Jan-19
0001515645	-	IRON STANDARD	125	Milliliter(ML)	16-Jan-19
0001515646	7440-21-3	SILICON STANDARD	125	Milliliter(ML)	16-Jan-19
0001515647	7440-21-3	SILICON STANDARD	125	Milliliter(ML)	16-Jan-19
0001515663	63231-69-6	MOLECULAR SIEVES	100	Gram(GM)	16-Jan-19
0001515664	-	CIRCLESAFE 820AX	16	Ounces(OZ)	16-Jan-19
0001515669	-	CIRCLESAFE 820AX	16	Ounces(OZ)	16-Jan-19
0001515675	-	CIRCLESAFE 820AX	16	Ounces(OZ)	16-Jan-19
0001515674	-	CIRCLESAFE 820AX	16	Ounces(OZ)	16-Jan-19
0001515673	-	CIRCLESAFE 820AX	16	Ounces(OZ)	16-Jan-19
0001515672	-	CIRCLESAFE 820AX	16	Ounces(OZ)	16-Jan-19
0001515670	-	CIRCLESAFE 820AX	16	Ounces(OZ)	16-Jan-19
0001515665	-	CIRCLESAFE 820AX	16	Ounces(OZ)	16-Jan-19
0001515666	-	CIRCLESAFE 820AX	16	Ounces(OZ)	16-Jan-19
0001515667	-	CIRCLESAFE 820AX	16	Ounces(OZ)	16-Jan-19
0001515668	-	CIRCLESAFE 820AX	16	Ounces(OZ)	16-Jan-19
0001515671	-	CIRCLESAFE 820AX	16	Ounces(OZ)	16-Jan-19
0001515676	-	WCP-1 CircleSafe White Contrast Paint	16	Ounces(OZ)	16-Jan-19
0001515677	-	WCP-1 CircleSafe White Contrast Paint	16	Ounces(OZ)	16-Jan-19
0001515685	-	WCP-1 CircleSafe White Contrast Paint	16	Ounces(OZ)	16-Jan-19
0001515678	-	WCP-1 CircleSafe White Contrast Paint	16	Ounces(OZ)	16-Jan-19
0001515680	-	WCP-1 CircleSafe White Contrast Paint	16	Ounces(OZ)	16-Jan-19
0001515681	-	WCP-1 CircleSafe White Contrast Paint	16	Ounces(OZ)	16-Jan-19
0001515682	-	WCP-1 CircleSafe White Contrast Paint	16	Ounces(OZ)	16-Jan-19
0001515679	-	WCP-1 CircleSafe White Contrast Paint	16	Ounces(OZ)	16-Jan-19
0001515684	-	WCP-1 CircleSafe White Contrast Paint	16	Ounces(OZ)	16-Jan-19
0001515686	-	WCP-1 CircleSafe White Contrast Paint	16	Ounces(OZ)	16-Jan-19
0001515687	-	WCP-1 CircleSafe White Contrast Paint	16	Ounces(OZ)	16-Jan-19
0001515683	-	WCP-1 CircleSafe White Contrast Paint	16	Ounces(OZ)	16-Jan-19
0001515689	13755-38-9	SODIUM NITROPRUSSIDE DIHYDRATE	25	Gram(GM)	16-Jan-19
0001515690	10025-70-4	STRONTIUM CHLORIDE HEXAHYDRATE	250	Gram(GM)	17-Jan-19
0001515691	10294-54-9	CESIUM SULFATE	250	Gram(GM)	17-Jan-19
0001515692	10025-70-4	STRONTIUM CHLORIDE HEXAHYDRATE	125	Gram(GM)	17-Jan-19
0001515693	10042-88-3	TERBIUM(III) CHLORIDE ANHYDROUS	5	Gram(GM)	17-Jan-19
0001515694	67-63-0	ISOPROPYL ALCOHOL	4	Liters(L)	17-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001515695	67-63-0	ISOPROPYL ALCOHOL	4	Liters(L)	17-Jan-19
0001515697	67-63-0	ISOPROPYL ALCOHOL	4	Liters(L)	17-Jan-19
0001515696	67-63-0	ISOPROPYL ALCOHOL	4	Liters(L)	17-Jan-19
0001515698	15573-38-3	TRIS(TRIMETHYLSILYL)PHOSPHINE	10	Gram(GM)	17-Jan-19
0001515699	15573-38-3	TRIS(TRIMETHYLSILYL)PHOSPHINE	10	Gram(GM)	17-Jan-19
0001515700	-	DOW CORNING 93-500 SPACE GRADE	110	Gram(GM)	17-Jan-19
0001515701	-	Eichrom Sr Resin Eichrom Sr Resin Cartridge	50	Gram(GM)	17-Jan-19
0001515702	29701-07-3	KANAMYCIN B SULFATE	250	Milligram(MG)	17-Jan-19
0001515703	67-66-3	CHLOROFORM	1	Liters(L)	17-Jan-19
0001515706	67-66-3	CHLOROFORM	1	Liters(L)	17-Jan-19
0001515704	67-66-3	CHLOROFORM	1	Liters(L)	17-Jan-19
0001515707	67-66-3	CHLOROFORM	1	Liters(L)	17-Jan-19
0001515705	67-66-3	CHLOROFORM	1	Liters(L)	17-Jan-19
0001515708	67-66-3	CHLOROFORM	1	Liters(L)	17-Jan-19
0001515759	-	DULBECCO'S PHOSPHATE BUFFERED SALINE	500	Milliliter(ML)	17-Jan-19
0001515760	-	DULBECCO'S PHOSPHATE BUFFERED SALINE	500	Milliliter(ML)	17-Jan-19
0001515768	-	DULBECCO'S PHOSPHATE BUFFERED SALINE	500	Milliliter(ML)	17-Jan-19
0001515767	-	DULBECCO'S PHOSPHATE BUFFERED SALINE	500	Milliliter(ML)	17-Jan-19
0001515766	-	DULBECCO'S PHOSPHATE BUFFERED SALINE	500	Milliliter(ML)	17-Jan-19
0001515765	-	DULBECCO'S PHOSPHATE BUFFERED SALINE	500	Milliliter(ML)	17-Jan-19
0001515764	-	DULBECCO'S PHOSPHATE BUFFERED SALINE	500	Milliliter(ML)	17-Jan-19
0001515763	-	DULBECCO'S PHOSPHATE BUFFERED SALINE	500	Milliliter(ML)	17-Jan-19
0001515762	-	DULBECCO'S PHOSPHATE BUFFERED SALINE	500	Milliliter(ML)	17-Jan-19
0001515761	-	DULBECCO'S PHOSPHATE BUFFERED SALINE	500	Milliliter(ML)	17-Jan-19
0000984331	-	PermaTreat PC-510T	511	Pounds(LB)	17-Jan-19
0000984332	-	NALCO 8735	639	Pounds(LB)	17-Jan-19
0000984333	-	Nalco 22341	503	Pounds(LB)	17-Jan-19
0000984334	-	TRI-ACT 1820	450	Pounds(LB)	17-Jan-19
0000984335	-	NALCO 7408 CHLORINE SCAVENGER SOLUTION	55	Gallon(GAL)	17-Jan-19
0001573007	-	Battery Cleaner with Acid Indicator	11	Ounces(OZ)	17-Jan-19
0001514754	5968-11-6	SODIUM CARBONATE SOLUTION	3	Kilograms(KG)	17-Jan-19
0001514762	5968-11-6	SODIUM CARBONATE SOLUTION	3	Kilograms(KG)	17-Jan-19
0001514757	5968-11-6	SODIUM CARBONATE SOLUTION	3	Kilograms(KG)	17-Jan-19
0001514760	5968-11-6	SODIUM CARBONATE SOLUTION	3	Kilograms(KG)	17-Jan-19
0001514756	5968-11-6	SODIUM CARBONATE SOLUTION	3	Kilograms(KG)	17-Jan-19
0001514763	5968-11-6	SODIUM CARBONATE SOLUTION	3	Kilograms(KG)	17-Jan-19
0001514764	5968-11-6	SODIUM CARBONATE SOLUTION	3	Kilograms(KG)	17-Jan-19
0001514765	5968-11-6	SODIUM CARBONATE SOLUTION	3	Kilograms(KG)	17-Jan-19
0001514755	5968-11-6	SODIUM CARBONATE SOLUTION	3	Kilograms(KG)	17-Jan-19
0001514759	5968-11-6	SODIUM CARBONATE SOLUTION	3	Kilograms(KG)	17-Jan-19
0001514758	5968-11-6	SODIUM CARBONATE SOLUTION	3	Kilograms(KG)	17-Jan-19
0001514761	5968-11-6	SODIUM CARBONATE SOLUTION	3	Kilograms(KG)	17-Jan-19
0001515303	7440-55-3	GALLIUM METAL	100	Gram(GM)	17-Jan-19
0001515328	107-06-2	1 2-DICHLOROETHANE	1	Liters(L)	17-Jan-19
0001515709	Multi	3M Scotch-Weld Structural Plastic Adhesive	45	Milliliter(ML)	17-Jan-19
0001515710	Multi	3M Scotch-Weld Structural Plastic Adhesive	45	Milliliter(ML)	17-Jan-19
0001500852	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	17-Jan-19
0001500862	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	17-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001500863	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	17-Jan-19
0001500861	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	17-Jan-19
0001500853	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	17-Jan-19
0001500854	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	17-Jan-19
0001500855	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	17-Jan-19
0001500856	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	17-Jan-19
0001500857	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	17-Jan-19
0001500858	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	17-Jan-19
0001500859	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	17-Jan-19
0001500860	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	17-Jan-19
0001563262	-	ISOBUTANE-BUTANE BLEND	3	Pounds(LB)	17-Jan-19
0001563268	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	17-Jan-19
0001563276	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	17-Jan-19
0001563277	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	17-Jan-19
0001563278	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	17-Jan-19
0001563269	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	17-Jan-19
0001563275	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	17-Jan-19
0001563274	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	17-Jan-19
0001563273	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	17-Jan-19
0001563272	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	17-Jan-19
0001563271	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	17-Jan-19
0001563280	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	17-Jan-19
0001563294	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	17-Jan-19
0001563281	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	17-Jan-19
0001563293	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	17-Jan-19
0001563292	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	17-Jan-19
0001563270	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	17-Jan-19
0001563284	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	17-Jan-19
0001563279	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	17-Jan-19
0001563285	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	17-Jan-19
0001563291	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	17-Jan-19
0001563290	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	17-Jan-19
0001563289	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	17-Jan-19
0001563288	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	17-Jan-19
0001563287	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	17-Jan-19
0001563286	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	17-Jan-19
0001563283	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	17-Jan-19
0001563282	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	17-Jan-19
0001563295	7727-37-9	NITROGEN COMPRESSED GAS	40	Cubic Feet(CF)	17-Jan-19
0001563296	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Liters(L)	17-Jan-19
0001500864	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001563299	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Liters(L)	17-Jan-19
0001563298	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Liters(L)	17-Jan-19
0001563297	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Liters(L)	17-Jan-19
0001500901	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500916	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500918	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500917	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001500895	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500896	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500897	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500898	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500919	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500900	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500902	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500903	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500899	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500890	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500883	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500884	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500885	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500886	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500887	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500894	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500889	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500920	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500891	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500892	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500914	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500893	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500881	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500921	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500888	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500869	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500865	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500904	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500905	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500906	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500907	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500908	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500909	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500910	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500911	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500912	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500913	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500866	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500873	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500868	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500880	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500870	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500954	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500871	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500872	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500947	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500915	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500874	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001500875	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500876	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500877	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500878	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500879	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500867	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500929	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500936	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500935	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500934	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500933	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500932	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500922	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500930	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500945	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500928	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500927	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500926	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500925	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500924	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500923	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500931	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500963	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500955	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500956	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500957	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500958	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500959	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500960	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500937	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500962	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500950	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500964	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500965	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500953	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500952	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500951	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500949	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500961	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500948	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500946	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500943	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500882	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500942	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500941	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500940	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500939	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500938	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001500944	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001563302	-	Nitrogen UHP	220	Cubic Feet(CF)	17-Jan-19
0001500986	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500981	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500978	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500979	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500980	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500982	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500983	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500985	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500974	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500987	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500988	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500989	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500990	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500991	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500984	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500969	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001563313	-	Nitrogen UHP	220	Cubic Feet(CF)	17-Jan-19
0001563312	-	Nitrogen UHP	220	Cubic Feet(CF)	17-Jan-19
0001563311	-	Nitrogen UHP	220	Cubic Feet(CF)	17-Jan-19
0001563310	-	Nitrogen UHP	220	Cubic Feet(CF)	17-Jan-19
0001563309	-	Nitrogen UHP	220	Cubic Feet(CF)	17-Jan-19
0001563308	-	Nitrogen UHP	220	Cubic Feet(CF)	17-Jan-19
0001500966	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500976	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500968	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500977	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500970	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500971	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500972	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500973	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500996	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500975	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500992	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500967	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001563306	-	Nitrogen UHP	220	Cubic Feet(CF)	17-Jan-19
0001501022	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501021	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501020	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501019	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501018	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501017	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501016	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500994	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001563307	-	Nitrogen UHP	220	Cubic Feet(CF)	17-Jan-19
0001501023	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001563305	-	Nitrogen UHP	220	Cubic Feet(CF)	17-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001563304	-	Nitrogen UHP	220	Cubic Feet(CF)	17-Jan-19
0001563303	-	Nitrogen UHP	220	Cubic Feet(CF)	17-Jan-19
0001501010	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501011	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501012	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501013	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501015	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501003	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001563316	-	Nitrogen UHP	220	Cubic Feet(CF)	17-Jan-19
0001500995	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501014	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500997	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500998	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001500999	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501000	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501009	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501002	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501008	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501004	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501005	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501006	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501007	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001563315	-	Nitrogen UHP	220	Cubic Feet(CF)	17-Jan-19
0001563314	-	Nitrogen UHP	220	Cubic Feet(CF)	17-Jan-19
0001500993	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501001	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501028	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501030	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501050	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501049	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501048	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501047	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501046	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501045	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501044	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501043	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501042	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501041	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501051	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501038	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501039	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501036	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501035	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501034	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501033	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501032	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501031	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501029	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001501027	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501026	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501025	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501024	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501040	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501063	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501052	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501037	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501066	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501065	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501064	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501062	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501061	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501055	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501059	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501058	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501053	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501057	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501056	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501060	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501054	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501091	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501090	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501120	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501087	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501088	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501092	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501101	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501089	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501093	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501094	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501095	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501096	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501097	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501098	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501086	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501100	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501077	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501102	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501099	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501075	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501078	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501067	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501068	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501069	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501070	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501071	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501072	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001501079	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501074	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501085	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501076	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501103	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501080	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501081	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501082	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501083	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501084	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501073	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501135	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501118	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501143	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501142	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501141	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501140	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501139	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501138	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501145	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501136	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501146	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501134	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501133	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501132	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501131	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501130	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501129	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501128	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501137	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501154	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501104	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501163	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501161	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501160	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501159	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501158	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501157	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501144	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501155	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501162	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501153	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501152	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501151	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501150	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501149	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501148	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501147	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001501156	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501115	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501126	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501125	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501124	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501123	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501122	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501121	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501119	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501127	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501116	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501110	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501114	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501113	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501112	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501111	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501109	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501107	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501106	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501105	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501117	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001501108	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	17-Jan-19
0001563348	7727-37-9	NITROGEN COMPRESSED GAS	40	Cubic Feet(CF)	17-Jan-19
0001563344	7727-37-9	NITROGEN COMPRESSED GAS	40	Cubic Feet(CF)	17-Jan-19
0001563345	7727-37-9	NITROGEN COMPRESSED GAS	40	Cubic Feet(CF)	17-Jan-19
0001563346	7727-37-9	NITROGEN COMPRESSED GAS	40	Cubic Feet(CF)	17-Jan-19
0001563347	7727-37-9	NITROGEN COMPRESSED GAS	40	Cubic Feet(CF)	17-Jan-19
0001515711	1158-35-6	H-D-Lys(Z)-OMe · HCl	5	Gram(GM)	22-Jan-19
0001515712	26348-70-9	H-Lys-OMe · 2 HCl	50	Gram(GM)	22-Jan-19
0001515713	23150-65-4	H-Glu(OMe)-OMe · HCl	50	Gram(GM)	22-Jan-19
0001515714	27025-25-8	H-D-Glu(OMe)-OMe · HCl	25	Gram(GM)	22-Jan-19
0001515715	32213-95-9	H-Asp(OMe)-OMe · HCl	25	Gram(GM)	22-Jan-19
0001515716	69630-50-8	H-D-Asp(OMe)-OMe · HCl	5	Gram(GM)	22-Jan-19
0001515717	69630-50-8	H-D-Asp(OMe)-OMe · HCl	5	Gram(GM)	22-Jan-19
0001515718	1282-37-7	FERROCENIUM TETRAFLUOROBORATE	5	Gram(GM)	22-Jan-19
0001515719	6018-89-9	NICKEL(II) ACETATE TETRAHYDRATE	250	Gram(GM)	22-Jan-19
0001515720	38215-36-0	COUMARIN 6	5	Gram(GM)	22-Jan-19
0001515721	38215-36-0	COUMARIN 6	5	Gram(GM)	22-Jan-19
0001515722	67-64-1	ACETONE REAGENT ACS	4	Liters(L)	22-Jan-19
0001515724	67-64-1	ACETONE REAGENT ACS	4	Liters(L)	22-Jan-19
0001515723	67-64-1	ACETONE REAGENT ACS	4	Liters(L)	22-Jan-19
0001515725	67-64-1	ACETONE REAGENT ACS	4	Liters(L)	22-Jan-19
0001515726	-	pH Buffer Solutions Hach	500	Milliliter(ML)	22-Jan-19
0001515769	-	STARCH INDICATOR SOLUTION	100	Milliliter(ML)	22-Jan-19
0001515771	-	STARCH INDICATOR SOLUTION	100	Milliliter(ML)	22-Jan-19
0001515770	-	STARCH INDICATOR SOLUTION	100	Milliliter(ML)	22-Jan-19
0001515772	-	pH Buffer Solutions Hach	500	Milliliter(ML)	22-Jan-19
0001515773	-	pH Buffer Solutions Hach	500	Milligram(MG)	22-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001515774	5968-11-6	SODIUM CARBONATE SOLUTION	3	Kilograms(KG)	22-Jan-19
0001515781	5968-11-6	SODIUM CARBONATE SOLUTION	3	Kilograms(KG)	22-Jan-19
0001515777	5968-11-6	SODIUM CARBONATE SOLUTION	3	Kilograms(KG)	22-Jan-19
0001515778	5968-11-6	SODIUM CARBONATE SOLUTION	3	Kilograms(KG)	22-Jan-19
0001515779	5968-11-6	SODIUM CARBONATE SOLUTION	3	Kilograms(KG)	22-Jan-19
0001515776	5968-11-6	SODIUM CARBONATE SOLUTION	3	Kilograms(KG)	22-Jan-19
0001515780	5968-11-6	SODIUM CARBONATE SOLUTION	3	Kilograms(KG)	22-Jan-19
0001515775	5968-11-6	SODIUM CARBONATE SOLUTION	3	Kilograms(KG)	22-Jan-19
0001515782	-	SAE 0W-20 Synthetic Motor Oil	5	Quarts(QT)	22-Jan-19
0001515784	-	SAE 0W-20 Synthetic Motor Oil	5	Quarts(QT)	22-Jan-19
0001515783	-	SAE 0W-20 Synthetic Motor Oil	5	Quarts(QT)	22-Jan-19
0001515785	10476-85-4	STRONTIUM CHLORIDE HEPTAHYDRATE	125	Gram(GM)	22-Jan-19
0001515786	1310-58-3	POTASSIUM HYDROXIDE	500	Gram(GM)	22-Jan-19
0001515787	1310-58-3	POTASSIUM HYDROXIDE	500	Gram(GM)	22-Jan-19
0001515799	107-21-1	ETHYLENE GLYCOL	500	Milliliter(ML)	22-Jan-19
0001515800	107-21-1	ETHYLENE GLYCOL	500	Milliliter(ML)	22-Jan-19
0001515801	107-21-1	ETHYLENE GLYCOL	500	Milliliter(ML)	22-Jan-19
0001515802	7664-38-2	PHOSPHORIC ACID	1	Liters(L)	22-Jan-19
0001515803	7664-38-2	PHOSPHORIC ACID	1	Liters(L)	22-Jan-19
0001515804	141-78-6	ETHYL ACETATE	4	Liters(L)	22-Jan-19
0001515805	109-66-0	PENTANE ANHYDROUS	1	Liters(L)	22-Jan-19
0001515806	-	Delvac MX SAE 15W-40	1	Quarts(QT)	22-Jan-19
0001515809	-	Delvac MX SAE 15W-40	1	Quarts(QT)	22-Jan-19
0001515808	-	Delvac MX SAE 15W-40	1	Quarts(QT)	22-Jan-19
0001515807	-	Delvac MX SAE 15W-40	1	Quarts(QT)	22-Jan-19
0001515810	7705-08-0	IRON(III) CHLORIDE	100	Gram(GM)	22-Jan-19
0001515811	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515819	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515848	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515858	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515857	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515856	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515855	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515854	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515853	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515852	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515851	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515817	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515849	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515833	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515847	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515846	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515845	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515844	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515843	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515838	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515839	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515840	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001515841	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515850	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515824	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515813	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515814	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515815	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515816	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515836	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515818	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515842	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515820	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515821	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515835	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515823	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515834	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515825	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515826	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515827	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515828	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515829	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515830	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515831	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515832	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515812	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515822	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515837	64-17-5	ETHANOL 200 PROOF	16	Ounces(OZ)	22-Jan-19
0001515648	-	Hocut 8640	5	Gallon(GAL)	22-Jan-19
0001515649	-	Hocut Sym-C	5	Gram(GM)	22-Jan-19
0001515650	7429-90-5	ALUMINUM POWDER	10	Kilograms(KG)	22-Jan-19
0001515651	7429-90-5	ALUMINUM POWDER	10	Kilograms(KG)	22-Jan-19
0001515652	51-80-9	N N N N-TETRAMETHYLETHYLENEDIAMINE	25	Gram(GM)	22-Jan-19
0001515653	7664-93-9	SULFURIC ACID	465	Pounds(LB)	22-Jan-19
0001515654	7664-93-9	SULFURIC ACID	465	Pounds(LB)	22-Jan-19
0001515860	121-69-7	N N-DIMETHYLANILINE	100	Milliliter(ML)	22-Jan-19
0001515861	110-01-0	TETRAHYDROTHIOPHENE	5	Gram(GM)	22-Jan-19
0001515862	16561-29-8	PHORBOL 12-MYRISTATE 13-ACETATE	1	Milligram(MG)	22-Jan-19
0001515863	8017-16-1	POLYPHOSPHORIC ACID	1	Kilograms(KG)	22-Jan-19
0001515864	4731-53-7	TRIOCTYLPHOSPHINE	500	Milliliter(ML)	22-Jan-19
0001515871	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	4	Liters(L)	22-Jan-19
0001515878	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	4	Liters(L)	22-Jan-19
0001515880	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	4	Liters(L)	22-Jan-19
0001515881	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	4	Liters(L)	22-Jan-19
0001515882	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	4	Liters(L)	22-Jan-19
0001515872	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	4	Liters(L)	22-Jan-19
0001515873	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	4	Liters(L)	22-Jan-19
0001515874	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	4	Liters(L)	22-Jan-19
0001515879	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	4	Liters(L)	22-Jan-19
0001515875	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	4	Liters(L)	22-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001515877	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	4	Liters(L)	22-Jan-19
0001515876	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	4	Liters(L)	22-Jan-19
0001515943	-	ANTI SEIZE LUBRICANT	8	Ounces(OZ)	22-Jan-19
0001515950	-	ANTI SEIZE LUBRICANT	8	Ounces(OZ)	22-Jan-19
0001515947	-	ANTI SEIZE LUBRICANT	8	Ounces(OZ)	22-Jan-19
0001515952	-	ANTI SEIZE LUBRICANT	8	Ounces(OZ)	22-Jan-19
0001515951	-	ANTI SEIZE LUBRICANT	8	Ounces(OZ)	22-Jan-19
0001515948	-	ANTI SEIZE LUBRICANT	8	Ounces(OZ)	22-Jan-19
0001515946	-	ANTI SEIZE LUBRICANT	8	Ounces(OZ)	22-Jan-19
0001515945	-	ANTI SEIZE LUBRICANT	8	Ounces(OZ)	22-Jan-19
0001515944	-	ANTI SEIZE LUBRICANT	8	Ounces(OZ)	22-Jan-19
0001515949	-	ANTI SEIZE LUBRICANT	8	Ounces(OZ)	22-Jan-19
0001487332	-	5 MINUTE EPOXY	50	Milliliter(ML)	22-Jan-19
0001487333	-	5 MINUTE EPOXY	50	Milliliter(ML)	22-Jan-19
0001487340	-	5 MINUTE EPOXY	50	Milliliter(ML)	22-Jan-19
0001487341	-	5 MINUTE EPOXY	50	Milliliter(ML)	22-Jan-19
0001487334	-	5 MINUTE EPOXY	50	Milliliter(ML)	22-Jan-19
0001487335	-	5 MINUTE EPOXY	50	Milliliter(ML)	22-Jan-19
0001487336	-	5 MINUTE EPOXY	50	Milliliter(ML)	22-Jan-19
0001487337	-	5 MINUTE EPOXY	50	Milliliter(ML)	22-Jan-19
0001487338	-	5 MINUTE EPOXY	50	Milliliter(ML)	22-Jan-19
0001487339	-	5 MINUTE EPOXY	50	Milliliter(ML)	22-Jan-19
0001457490	67-64-1	ACETONE HISTOLOGICAL GRADE	500	Milliliter(ML)	22-Jan-19
0001457491	67-64-1	ACETONE HISTOLOGICAL GRADE	500	Milliliter(ML)	22-Jan-19
0001501164	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501175	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501177	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501179	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501180	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501181	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501182	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501174	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501184	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501171	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501207	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501206	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501205	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501204	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501209	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501183	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501203	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501172	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501178	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501170	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501169	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501168	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501167	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501166	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001501165	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501208	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501213	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501212	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501211	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501210	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501173	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501191	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501186	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501187	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501202	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501176	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501189	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501185	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501190	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501192	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501188	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501197	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501194	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501201	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501195	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501196	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501193	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501200	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501199	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001501198	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	22-Jan-19
0001515865	75-09-2	DICHLOROMETHANE	1	Liters(L)	22-Jan-19
0001515866	1271-42-7	FERROCENECARBOXYLIC ACID	10	Gram(GM)	22-Jan-19
0001515867	64-17-5	ETHANOL	1	Liters(L)	22-Jan-19
0001515868	1185-53-1	TRIS-HCL	1	Liters(L)	22-Jan-19
0001515869	1185-53-1	TRIS-HCL	1	Liters(L)	22-Jan-19
0001515870	-	TRIS-EDTA 1X SOLUTION (PH 8.0/MOLECULAR	1	Liters(L)	22-Jan-19
0001516015	-	SPRAY PAINT WHITE	13	Ounces(OZ)	22-Jan-19
0001516020	-	SPRAY PAINT WHITE	13	Ounces(OZ)	22-Jan-19
0001516019	-	SPRAY PAINT WHITE	13	Ounces(OZ)	22-Jan-19
0001516018	-	SPRAY PAINT WHITE	13	Ounces(OZ)	22-Jan-19
0001516016	-	SPRAY PAINT WHITE	13	Ounces(OZ)	22-Jan-19
0001516017	-	SPRAY PAINT WHITE	13	Ounces(OZ)	22-Jan-19
0001516021	10361-84-9	SCANDIUM CHLORIDE ANHYDROUS	1	Gram(GM)	22-Jan-19
0001516026	429-06-1	TETRAETHYLAMMONIUM TETRAFLUOROBORATE	25	Gram(GM)	22-Jan-19
0001516029	429-06-1	TETRAETHYLAMMONIUM TETRAFLUOROBORATE	25	Gram(GM)	22-Jan-19
0001516028	429-06-1	TETRAETHYLAMMONIUM TETRAFLUOROBORATE	25	Gram(GM)	22-Jan-19
0001516027	429-06-1	TETRAETHYLAMMONIUM TETRAFLUOROBORATE	25	Gram(GM)	22-Jan-19
0001516030	75985-45-4	2-Pyrimidinemethanamine	10	Gram(GM)	22-Jan-19
0001516031	3731-51-9	2-(AMINOMETHYL)PYRIDINE	25	Gram(GM)	22-Jan-19
0001516034	3731-51-9	2-(AMINOMETHYL)PYRIDINE	25	Gram(GM)	22-Jan-19
0001516032	3731-51-9	2-(AMINOMETHYL)PYRIDINE	25	Gram(GM)	22-Jan-19
0001516033	3731-51-9	2-(AMINOMETHYL)PYRIDINE	25	Gram(GM)	22-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001516035	20667-12-3	SILVER OXIDE	10	Gram(GM)	22-Jan-19
0001516036	-	MULTI ELEMENT STANDARD	125	Milliliter(ML)	22-Jan-19
0001516037	-	MULTI ELEMENT STANDARD	125	Milliliter(ML)	22-Jan-19
0001516038	-	MULTI ELEMENT STANDARD	125	Milliliter(ML)	22-Jan-19
0001516039	-	QUALITY CONTROL STANDARD - 21	125	Milliliter(ML)	22-Jan-19
0001516040	-	SINGLE ELEMENT STANDARDS	125	Milliliter(ML)	22-Jan-19
0001455682	-	INDUSTROWELD	5	Ounces(OZ)	22-Jan-19
0001455683	-	INDUSTROWELD	5	Ounces(OZ)	22-Jan-19
0001455679	-	SPRAY PAINT CAMOUFLAGE	12	Ounces(OZ)	22-Jan-19
0001455677	-	FUSION	12	Ounces(OZ)	22-Jan-19
0001455678	-	FUSION	12	Ounces(OZ)	22-Jan-19
0001563300	-	2.9% Hydrogen/Bal. Argon	220	Cubic Feet(CF)	23-Jan-19
0001563301	-	2.9% Hydrogen/Bal. Argon	220	Cubic Feet(CF)	23-Jan-19
0001563264	-	95% NITROGEN/5% HYDROGEN	220	Cubic Feet(CF)	23-Jan-19
0001563267	-	95% NITROGEN/5% HYDROGEN	220	Cubic Feet(CF)	23-Jan-19
0001563266	-	95% NITROGEN/5% HYDROGEN	220	Cubic Feet(CF)	23-Jan-19
0001563265	-	95% NITROGEN/5% HYDROGEN	220	Cubic Feet(CF)	23-Jan-19
0001563317	74-98-6	PROPANE	11	Gallon(GAL)	23-Jan-19
0001563323	74-98-6	PROPANE	11	Gallon(GAL)	23-Jan-19
0001563327	74-98-6	PROPANE	11	Gallon(GAL)	23-Jan-19
0001563326	74-98-6	PROPANE	11	Gallon(GAL)	23-Jan-19
0001563324	74-98-6	PROPANE	11	Gallon(GAL)	23-Jan-19
0001563322	74-98-6	PROPANE	11	Gallon(GAL)	23-Jan-19
0001563321	74-98-6	PROPANE	11	Gallon(GAL)	23-Jan-19
0001563320	74-98-6	PROPANE	11	Gallon(GAL)	23-Jan-19
0001563319	74-98-6	PROPANE	11	Gallon(GAL)	23-Jan-19
0001563318	74-98-6	PROPANE	11	Gallon(GAL)	23-Jan-19
0001563325	74-98-6	PROPANE	11	Gallon(GAL)	23-Jan-19
0001563328	74-98-6	PROPANE	11	Gallon(GAL)	23-Jan-19
0001563329	74-98-6	PROPANE	11	Gallon(GAL)	23-Jan-19
0001563330	-	Argon UHP	220	Cubic Feet(CF)	23-Jan-19
0001563341	-	Argon UHP	220	Cubic Feet(CF)	23-Jan-19
0001563342	-	Argon UHP	220	Cubic Feet(CF)	23-Jan-19
0001563343	-	Argon UHP	220	Cubic Feet(CF)	23-Jan-19
0001563332	-	Argon UHP	220	Cubic Feet(CF)	23-Jan-19
0001563331	-	Argon UHP	220	Cubic Feet(CF)	23-Jan-19
0001563340	-	Argon UHP	220	Cubic Feet(CF)	23-Jan-19
0001563339	-	Argon UHP	220	Cubic Feet(CF)	23-Jan-19
0001563338	-	Argon UHP	220	Cubic Feet(CF)	23-Jan-19
0001563337	-	Argon UHP	220	Cubic Feet(CF)	23-Jan-19
0001563336	-	Argon UHP	220	Cubic Feet(CF)	23-Jan-19
0001563335	-	Argon UHP	220	Cubic Feet(CF)	23-Jan-19
0001563334	-	Argon UHP	220	Cubic Feet(CF)	23-Jan-19
0001563333	-	Argon UHP	220	Cubic Feet(CF)	23-Jan-19
0001563349	-	AIR COMPRESSED	220	Cubic Feet(CF)	23-Jan-19
0001563350	7440-59-7	HELIUM	220	Cubic Feet(CF)	23-Jan-19
0001563351	-	R-410A	25	Pounds(LB)	23-Jan-19
0001563353	-	R-410A	25	Pounds(LB)	23-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001563354	-	R-410A	25	Pounds(LB)	23-Jan-19
0001563352	-	R-410A	25	Pounds(LB)	23-Jan-19
0001563355	-	R-410A	25	Pounds(LB)	23-Jan-19
0001563356	-	R-407C	25	Pounds(LB)	23-Jan-19
0001563358	-	R-407C	25	Pounds(LB)	23-Jan-19
0001563357	-	R-407C	25	Pounds(LB)	23-Jan-19
0001417414	-	RFCIMAI - Red First Contact InterMax Kit All-	2.5	Ounces(OZ)	23-Jan-19
0001418639	-	RFCIMAI - Red First Contact InterMax Kit All-	2.5	Ounces(OZ)	23-Jan-19
0001418640	-	RFCIMAI - Red First Contact InterMax Kit All-	1.5	Ounces(OZ)	23-Jan-19
0001487675	-	Steelstik/J-B Stik	2	Ounces(OZ)	23-Jan-19
0001487676	-	Steelstik/J-B Stik	2	Ounces(OZ)	23-Jan-19
0001487677	-	Steelstik/J-B Stik	2	Ounces(OZ)	23-Jan-19
0001487678	-	Steelstik/J-B Stik	2	Ounces(OZ)	23-Jan-19
0001487319	-	BLASOCUT 2000 Universal	5	Gallon(GAL)	23-Jan-19
0001487320	-	Oil Eater	32	Ounces(OZ)	23-Jan-19
0001487326	-	Oil Eater	32	Ounces(OZ)	23-Jan-19
0001487323	-	Oil Eater	32	Ounces(OZ)	23-Jan-19
0001487331	-	Oil Eater	32	Ounces(OZ)	23-Jan-19
0001487330	-	Oil Eater	32	Ounces(OZ)	23-Jan-19
0001487329	-	Oil Eater	32	Ounces(OZ)	23-Jan-19
0001487328	-	Oil Eater	32	Ounces(OZ)	23-Jan-19
0001487327	-	Oil Eater	32	Ounces(OZ)	23-Jan-19
0001487324	-	Oil Eater	32	Ounces(OZ)	23-Jan-19
0001487322	-	Oil Eater	32	Ounces(OZ)	23-Jan-19
0001487321	-	Oil Eater	32	Ounces(OZ)	23-Jan-19
0001487325	-	Oil Eater	32	Ounces(OZ)	23-Jan-19
0001487301	-	fantastik General Purpose Cleaner Disinfectant	32	Ounces(OZ)	23-Jan-19
0001487303	-	fantastik General Purpose Cleaner Disinfectant	32	Ounces(OZ)	23-Jan-19
0001487312	-	fantastik General Purpose Cleaner Disinfectant	32	Ounces(OZ)	23-Jan-19
0001487311	-	fantastik General Purpose Cleaner Disinfectant	32	Ounces(OZ)	23-Jan-19
0001487310	-	fantastik General Purpose Cleaner Disinfectant	32	Ounces(OZ)	23-Jan-19
0001487309	-	fantastik General Purpose Cleaner Disinfectant	32	Ounces(OZ)	23-Jan-19
0001487308	-	fantastik General Purpose Cleaner Disinfectant	32	Ounces(OZ)	23-Jan-19
0001487307	-	fantastik General Purpose Cleaner Disinfectant	32	Ounces(OZ)	23-Jan-19
0001487306	-	fantastik General Purpose Cleaner Disinfectant	32	Ounces(OZ)	23-Jan-19
0001487304	-	fantastik General Purpose Cleaner Disinfectant	32	Ounces(OZ)	23-Jan-19
0001487302	-	fantastik General Purpose Cleaner Disinfectant	32	Ounces(OZ)	23-Jan-19
0001487305	-	fantastik General Purpose Cleaner Disinfectant	32	Ounces(OZ)	23-Jan-19
0000087313	-	Loctite N-5000	1	Pounds(LB)	23-Jan-19
0001487318	-	Loctite N-5000	1	Pounds(LB)	23-Jan-19
0001487316	-	Loctite N-5000	1	Pounds(LB)	23-Jan-19
0001487315	-	Loctite N-5000	1	Pounds(LB)	23-Jan-19
0001487314	-	Loctite N-5000	1	Pounds(LB)	23-Jan-19
0001487317	-	Loctite N-5000	1	Pounds(LB)	23-Jan-19
0001487297	-	Fixmaster Fast Set Steel Putty	1	Pounds(LB)	23-Jan-19
0001487298	-	Fixmaster Fast Set Steel Putty	1	Pounds(LB)	23-Jan-19
0001487299	-	Fixmaster Fast Set Steel Putty	1	Pounds(LB)	23-Jan-19
0001487300	-	Fixmaster Fast Set Steel Putty	1	Pounds(LB)	23-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001487429	-	BLASOCUT 2000 Universal	5	Gallon(GAL)	23-Jan-19
0001487430	-	BLASOCUT 2000 Universal	5	Gallon(GAL)	23-Jan-19
0001487287	-	WD-40 AEROSOL	11	Ounces(OZ)	23-Jan-19
0001487288	-	WD-40 AEROSOL	11	Ounces(OZ)	23-Jan-19
0001487289	-	WD-40 AEROSOL	11	Ounces(OZ)	23-Jan-19
0001487290	-	WD-40 AEROSOL	11	Ounces(OZ)	23-Jan-19
0001487291	-	WD-40 AEROSOL	11	Ounces(OZ)	23-Jan-19
0001487292	-	5 MINUTE EPOXY	2	Ounces(OZ)	23-Jan-19
0001487294	-	5 MINUTE EPOXY	2	Ounces(OZ)	23-Jan-19
0001487293	-	5 MINUTE EPOXY	2	Ounces(OZ)	23-Jan-19
0001487295	-	5 MINUTE EPOXY	2	Ounces(OZ)	23-Jan-19
0001487296	-	5 MINUTE EPOXY	2	Ounces(OZ)	23-Jan-19
0001515953	67-63-0	2-PROPANOL	4	Liters(L)	23-Jan-19
0001515954	110-54-3	HEXANES MIXTURE	4	Liters(L)	23-Jan-19
0001515957	110-54-3	HEXANES MIXTURE	4	Liters(L)	23-Jan-19
0001515955	110-54-3	HEXANES MIXTURE	4	Liters(L)	23-Jan-19
0001515956	110-54-3	HEXANES MIXTURE	4	Liters(L)	23-Jan-19
0001515958	67-64-1	ACETONE FOR HPLC	4	Liters(L)	23-Jan-19
0001515959	67-64-1	ACETONE FOR HPLC	4	Liters(L)	23-Jan-19
0001515960	67-64-1	ACETONE FOR HPLC	4	Liters(L)	23-Jan-19
0001515961	67-64-1	ACETONE FOR HPLC	4	Liters(L)	23-Jan-19
0001515963	68-12-2	N N-DIMETHYLFORMAMIDE ANHYDROUS	4	Liters(L)	23-Jan-19
0001515975	68-12-2	N N-DIMETHYLFORMAMIDE ANHYDROUS	4	Liters(L)	23-Jan-19
0001515964	68-12-2	N N-DIMETHYLFORMAMIDE ANHYDROUS	4	Liters(L)	23-Jan-19
0001515965	68-12-2	N N-DIMETHYLFORMAMIDE ANHYDROUS	4	Liters(L)	23-Jan-19
0001515966	68-12-2	N N-DIMETHYLFORMAMIDE ANHYDROUS	4	Liters(L)	23-Jan-19
0001515967	68-12-2	N N-DIMETHYLFORMAMIDE ANHYDROUS	4	Liters(L)	23-Jan-19
0001515968	68-12-2	N N-DIMETHYLFORMAMIDE ANHYDROUS	4	Liters(L)	23-Jan-19
0001515969	68-12-2	N N-DIMETHYLFORMAMIDE ANHYDROUS	4	Liters(L)	23-Jan-19
0001515970	68-12-2	N N-DIMETHYLFORMAMIDE ANHYDROUS	4	Liters(L)	23-Jan-19
0001515971	68-12-2	N N-DIMETHYLFORMAMIDE ANHYDROUS	4	Liters(L)	23-Jan-19
0001515972	68-12-2	N N-DIMETHYLFORMAMIDE ANHYDROUS	4	Liters(L)	23-Jan-19
0001515974	68-12-2	N N-DIMETHYLFORMAMIDE ANHYDROUS	4	Liters(L)	23-Jan-19
0001515976	68-12-2	N N-DIMETHYLFORMAMIDE ANHYDROUS	4	Liters(L)	23-Jan-19
0001515977	68-12-2	N N-DIMETHYLFORMAMIDE ANHYDROUS	4	Liters(L)	23-Jan-19
0001515978	68-12-2	N N-DIMETHYLFORMAMIDE ANHYDROUS	4	Liters(L)	23-Jan-19
0001515973	68-12-2	N N-DIMETHYLFORMAMIDE ANHYDROUS	4	Liters(L)	23-Jan-19
0001515979	-	Novec 71DA Engineered Fluid	5	Gallon(GAL)	23-Jan-19
0001515980	-	Novec 71DA Engineered Fluid	5	Gallon(GAL)	23-Jan-19
0001515981	67-56-1	METHANOL OPTIMA	4	Liters(L)	23-Jan-19
0001515982	75-05-8	ACETONITRILE OPTIMA	4	Liters(L)	23-Jan-19
0001515983	110-54-3	HEXANE	4	Liters(L)	23-Jan-19
0001515984	110-54-3	HEXANE	4	Liters(L)	23-Jan-19
0001516041	1344-28-1	Alumina for TLC	1	Kilograms(KG)	23-Jan-19
0001516042	-	TRU RESIN	50	Gram(GM)	23-Jan-19
0001516043	62402-24-8	N-(2-Pyridylmethyl)glycine Ethyl Ester	5	Gram(GM)	23-Jan-19
0001516044	77-09-8	PHENOLPHTHALEIN	100	Milliliter(ML)	23-Jan-19
0001516045	3303-84-2	BOC-BETA-ALANINE	100	Gram(GM)	23-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001516046	7786-30-3	MAGNESIUM CHLORIDE	100	Milliliter(ML)	23-Jan-19
0001516050	7786-30-3	MAGNESIUM CHLORIDE	100	Milliliter(ML)	23-Jan-19
0001516055	7786-30-3	MAGNESIUM CHLORIDE	100	Milliliter(ML)	23-Jan-19
0001516054	7786-30-3	MAGNESIUM CHLORIDE	100	Milliliter(ML)	23-Jan-19
0001516047	7786-30-3	MAGNESIUM CHLORIDE	100	Milliliter(ML)	23-Jan-19
0001516048	7786-30-3	MAGNESIUM CHLORIDE	100	Milliliter(ML)	23-Jan-19
0001516049	7786-30-3	MAGNESIUM CHLORIDE	100	Milliliter(ML)	23-Jan-19
0001516051	7786-30-3	MAGNESIUM CHLORIDE	100	Milliliter(ML)	23-Jan-19
0001516052	7786-30-3	MAGNESIUM CHLORIDE	100	Milliliter(ML)	23-Jan-19
0001516053	7786-30-3	MAGNESIUM CHLORIDE	100	Milliliter(ML)	23-Jan-19
0001516056	-	IODIDE IODATE REAGENT	100	Milliliter(ML)	23-Jan-19
0001516058	-	IODIDE IODATE REAGENT	100	Milliliter(ML)	23-Jan-19
0001516057	-	IODIDE IODATE REAGENT	100	Milliliter(ML)	23-Jan-19
0001516059	-	IODIDE IODATE REAGENT	100	Milliliter(ML)	23-Jan-19
0001516060	-	IODIDE IODATE REAGENT	100	Milliliter(ML)	23-Jan-19
0001516061	-	IODIDE IODATE REAGENT	100	Milliliter(ML)	23-Jan-19
0001516062	-	IODIDE IODATE REAGENT	100	Milliliter(ML)	23-Jan-19
0001516063	-	IODIDE IODATE REAGENT	100	Milliliter(ML)	23-Jan-19
0001516064	-	DIHEXYLAMINE	100	Milliliter(ML)	23-Jan-19
0001516065	6192-52-5	P-TOLUENESULFONIC ACID MONOHYDRATE	100	Gram(GM)	23-Jan-19
0001516066	109-99-9	TETRAHYDROFURAN ANHYDROUS 99.9%	100	Milliliter(ML)	23-Jan-19
0001516067	60-29-7	DIETHYL ETHER ANHYDROUS	1	Liters(L)	23-Jan-19
0001516068	16940-66-2	SODIUM BOROHYDRIDE	5	Gram(GM)	23-Jan-19
0001516069	-	YTTRIUM STANDARD	100	Milliliter(ML)	23-Jan-19
0001516087	-	CIMCLEAN 50	5	Gallon(GAL)	23-Jan-19
0001516088	-	CIMCLEAN 50	5	Gallon(GAL)	23-Jan-19
0001516089	71-36-3	1-BUTANOL	2.5	Liters(L)	23-Jan-19
0001516090	67-63-0	ISOPROPYL ALCOHOL	500	Milliliter(ML)	23-Jan-19
0001516093	67-63-0	ISOPROPYL ALCOHOL	500	Milliliter(ML)	23-Jan-19
0001516092	67-63-0	ISOPROPYL ALCOHOL	500	Milliliter(ML)	23-Jan-19
0001516091	67-63-0	ISOPROPYL ALCOHOL	500	Milliliter(ML)	23-Jan-19
0001516094	12627-85-9	DOWEX 1X8-100 ION-EXCHANGE RESIN	500	Gram(GM)	23-Jan-19
0001516095	84-15-1	O-TERPHENYL	25	Gram(GM)	23-Jan-19
0001516096	53463-68-6	10-Bromo-1-decanol	5	Gram(GM)	23-Jan-19
0001516097	26628-22-8	SODIUM AZIDE	25	Gram(GM)	23-Jan-19
0001516098	2576-47-8	2-BROMOETHYLAMINE HYDROBROMIDE	25	Gram(GM)	23-Jan-19
0001516111	-	NEUTRAD	950	Milliliter(ML)	23-Jan-19
0001381555	67-64-1	ACETONE HISTOLOGICAL GRADE	1	Liters(L)	23-Jan-19
0001381554	-	METAL POLISH	200	Gram(GM)	23-Jan-19
0001381553	-	Black Nail Polish	10	Milliliter(ML)	24-Jan-19
0001515962	-	Leybonol LVO 130	5	Liters(L)	24-Jan-19
0001515985	-	Leybonol LVO 130	5	Liters(L)	24-Jan-19
0001515986	112-40-3	DODECANE	2500	Milliliter(ML)	24-Jan-19
0001515987	112-40-3	DODECANE	2500	Milliliter(ML)	24-Jan-19
0001515988	-	COLLODION FLEXIBLE	100	Milliliter(ML)	24-Jan-19
0001515989	-	COLLODION FLEXIBLE	100	Milliliter(ML)	24-Jan-19
0001515990	-	COLLODION FLEXIBLE	100	Milliliter(ML)	24-Jan-19
0001515991	-	COLLODION FLEXIBLE	100	Milliliter(ML)	24-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001515992	7664-39-3	HYDROFLUORIC ACID 48%	10	Pounds(LB)	24-Jan-19
0001515995	7664-39-3	HYDROFLUORIC ACID 48%	10	Pounds(LB)	24-Jan-19
0001515994	7664-39-3	HYDROFLUORIC ACID 48%	10	Pounds(LB)	24-Jan-19
0001515993	7664-39-3	HYDROFLUORIC ACID 48%	10	Pounds(LB)	24-Jan-19
0001516070	151-50-8	POTASSIUM CYANIDE	1	Kilograms(KG)	24-Jan-19
0001516071	128-63-2	1 3 6 8-Tetrabromopyrene	25	Gram(GM)	24-Jan-19
0001516072	128-63-2	1 3 6 8-Tetrabromopyrene	25	Gram(GM)	24-Jan-19
0001516073	112-62-9	METHYL OLEATE	25	Gram(GM)	24-Jan-19
0001516074	-	VERO YELLOW RGD836	3.6	Kilograms(KG)	24-Jan-19
0001516075	-	VEROCYAN RGD843	3.6	Kilograms(KG)	24-Jan-19
0001516076	-	VERO MAGENTA RGD851	3.6	Kilograms(KG)	24-Jan-19
0001516077	68-12-2	N N-DIMETHYLFORMAMIDE	2	Liters(L)	24-Jan-19
0001516079	68-12-2	N N-DIMETHYLFORMAMIDE	2	Liters(L)	24-Jan-19
0001516080	68-12-2	N N-DIMETHYLFORMAMIDE	2	Liters(L)	24-Jan-19
0001516078	68-12-2	N N-DIMETHYLFORMAMIDE	2	Liters(L)	24-Jan-19
0001516081	-	HIGH PURITY DIELECTRIC FIRM SILICONE GEL	2	Pint(PT)	24-Jan-19
0001516082	-	HIGH PURITY DIELECTRIC FIRM SILICONE GEL	2	Pint(PT)	24-Jan-19
0001516083	143-10-2	N-DECYL MERCAPTAN	1	Gram(GM)	24-Jan-19
0001516084	64-18-6	Acetonitrile with 0.1% Formic Acid (v/v) Optima	4	Liters(L)	24-Jan-19
0001516085	25322-68-3	POLYETHYLENE GLYCOL 2000	250	Gram(GM)	24-Jan-19
0001516086	298-14-6	POTASSIUM HYDROGEN CARBONATE	500	Gram(GM)	24-Jan-19
0001516099	-	GST Oil 32	55	Gallon(GAL)	24-Jan-19
0001516106	-	GST Oil 32	55	Gallon(GAL)	24-Jan-19
0001516100	-	GST Oil 32	55	Gallon(GAL)	24-Jan-19
0001516110	-	GST Oil 32	55	Gallon(GAL)	24-Jan-19
0001516101	-	GST Oil 32	55	Gallon(GAL)	24-Jan-19
0001516102	-	GST Oil 32	55	Gallon(GAL)	24-Jan-19
0001516103	-	GST Oil 32	55	Gallon(GAL)	24-Jan-19
0001516105	-	GST Oil 32	55	Gallon(GAL)	24-Jan-19
0001516107	-	GST Oil 32	55	Gallon(GAL)	24-Jan-19
0001516108	-	GST Oil 32	55	Gallon(GAL)	24-Jan-19
0001516109	-	GST Oil 32	55	Gallon(GAL)	24-Jan-19
0001516104	-	GST Oil 32	55	Gallon(GAL)	24-Jan-19
0001516120	-	Windex Powerized Glass and Surface Cleaner	32	Ounces(OZ)	24-Jan-19
0001516129	-	Windex Powerized Glass and Surface Cleaner	32	Ounces(OZ)	24-Jan-19
0001516140	-	Windex Powerized Glass and Surface Cleaner	32	Ounces(OZ)	24-Jan-19
0001516138	-	Windex Powerized Glass and Surface Cleaner	32	Ounces(OZ)	24-Jan-19
0001516137	-	Windex Powerized Glass and Surface Cleaner	32	Ounces(OZ)	24-Jan-19
0001516136	-	Windex Powerized Glass and Surface Cleaner	32	Ounces(OZ)	24-Jan-19
0001516135	-	Windex Powerized Glass and Surface Cleaner	32	Ounces(OZ)	24-Jan-19
0001516134	-	Windex Powerized Glass and Surface Cleaner	32	Ounces(OZ)	24-Jan-19
0001516133	-	Windex Powerized Glass and Surface Cleaner	32	Ounces(OZ)	24-Jan-19
0001516132	-	Windex Powerized Glass and Surface Cleaner	32	Ounces(OZ)	24-Jan-19
0001516139	-	Windex Powerized Glass and Surface Cleaner	32	Ounces(OZ)	24-Jan-19
0001516130	-	Windex Powerized Glass and Surface Cleaner	32	Ounces(OZ)	24-Jan-19
0001516125	-	Windex Powerized Glass and Surface Cleaner	32	Ounces(OZ)	24-Jan-19
0001516128	-	Windex Powerized Glass and Surface Cleaner	32	Ounces(OZ)	24-Jan-19
0001516126	-	Windex Powerized Glass and Surface Cleaner	32	Ounces(OZ)	24-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001516124	-	Windex Powerized Glass and Surface Cleaner	32	Ounces(OZ)	24-Jan-19
0001516123	-	Windex Powerized Glass and Surface Cleaner	32	Ounces(OZ)	24-Jan-19
0001516122	-	Windex Powerized Glass and Surface Cleaner	32	Ounces(OZ)	24-Jan-19
0001516121	-	Windex Powerized Glass and Surface Cleaner	32	Ounces(OZ)	24-Jan-19
0001516141	-	Windex Powerized Glass and Surface Cleaner	32	Ounces(OZ)	24-Jan-19
0001516142	-	Windex Powerized Glass and Surface Cleaner	32	Ounces(OZ)	24-Jan-19
0001516143	-	Windex Powerized Glass and Surface Cleaner	32	Ounces(OZ)	24-Jan-19
0001516131	-	Windex Powerized Glass and Surface Cleaner	32	Ounces(OZ)	24-Jan-19
0001516127	-	Windex Powerized Glass and Surface Cleaner	32	Ounces(OZ)	24-Jan-19
0001516144	-	Clorox Commercial Solutions Green Works 97%	32	Ounces(OZ)	24-Jan-19
0001516145	-	Clorox Commercial Solutions Green Works 97%	32	Ounces(OZ)	24-Jan-19
0001516146	-	Lysol Disinfectant Cleaner	19	Ounces(OZ)	24-Jan-19
0001516147	-	LYSOL Brand Neutra Air Freshmatic	6.17	Ounces(OZ)	24-Jan-19
0001516148	-	Lysol Kit w/Boost Technology	6.17	Ounces(OZ)	24-Jan-19
0001516159	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516208	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516200	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516201	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516202	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516203	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516204	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516205	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516199	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516207	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516194	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516206	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516198	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516197	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516209	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516195	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516216	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516193	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516192	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516191	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516190	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516189	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516188	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516196	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516222	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516233	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516232	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516231	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516230	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516229	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516228	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516227	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516226	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516225	-	CLOROX	1	Gallon(GAL)	24-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001516214	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516223	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516210	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516221	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516220	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516219	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516218	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516217	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516211	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516215	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516187	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516212	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516224	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516172	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516184	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516183	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516182	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516181	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516180	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516179	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516178	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516177	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516176	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516175	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516185	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516173	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516170	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516171	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516169	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516167	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516166	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516165	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516164	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516163	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516162	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516161	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516160	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516213	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516174	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516186	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516168	-	CLOROX	1	Gallon(GAL)	24-Jan-19
0001516234	-	KOOL MIST FORMULA #77	1	Gallon(GAL)	24-Jan-19
0001516236	-	KOOL MIST FORMULA #77	1	Gallon(GAL)	24-Jan-19
0001516235	-	KOOL MIST FORMULA #77	1	Gallon(GAL)	24-Jan-19
0001516237	-	KOOL MIST FORMULA #77	1	Gallon(GAL)	24-Jan-19
0001516238	143-15-7	1-Bromododecane	100	Gram(GM)	24-Jan-19
0001516239	14866-33-2	TETRAOCTYLAMMONIUM BROMIDE	5	Gram(GM)	24-Jan-19
0001516240	25322-68-3	POLYETHYLENE GLYCOL 10 000	250	Gram(GM)	24-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001516241	25322-68-3	POLYETHYLENE GLYCOL 10 000	250	Gram(GM)	24-Jan-19
0001516242	16961-25-4	Gold(III) chloride trihydrate	1	Gram(GM)	24-Jan-19
0001058956	-	CERAMABOND 671	500	Milliliter(ML)	24-Jan-19
0001563360	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Liters(L)	25-Jan-19
0001563361	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Liters(L)	25-Jan-19
0001563362	-	Nitrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563378	-	Nitrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563386	-	Nitrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563387	-	Nitrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563385	-	Nitrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563376	-	Nitrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563390	-	Nitrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563384	-	Nitrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563391	-	Nitrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563379	-	Nitrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563388	-	Nitrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563377	-	Nitrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563367	-	Nitrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563363	-	Nitrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563364	-	Nitrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563389	-	Nitrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563366	-	Nitrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563380	-	Nitrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563368	-	Nitrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563369	-	Nitrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563370	-	Nitrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563371	-	Nitrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563381	-	Nitrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563365	-	Nitrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563372	-	Nitrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563382	-	Nitrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563383	-	Nitrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563373	-	Nitrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563375	-	Nitrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563374	-	Nitrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563359	7727-37-9	NITROGEN COMPRESSED GAS	40	Cubic Feet(CF)	25-Jan-19
0001563392	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563400	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563409	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563408	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563407	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563406	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563405	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563404	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563403	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563397	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563401	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563410	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001563399	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563398	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563393	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563394	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563396	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563395	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563436	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563402	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563425	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563424	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563440	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563439	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563438	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563437	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563435	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563433	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563432	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563431	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563430	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563429	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563434	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563427	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563411	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563423	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563422	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563421	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563420	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563419	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563418	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563417	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563416	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563415	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563414	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563413	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563412	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563428	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563426	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563448	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563455	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563454	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563453	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563452	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563451	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563449	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563447	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563446	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563445	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563444	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001563443	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563442	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563441	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563450	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563456	-	Oxygen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563476	-	Oxygen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563472	-	Oxygen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563459	-	Oxygen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563460	-	Oxygen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563461	-	Oxygen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563462	-	Oxygen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563457	-	Oxygen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563463	-	Oxygen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563464	-	Oxygen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563465	-	Oxygen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563475	-	Oxygen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563466	-	Oxygen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563467	-	Oxygen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563468	-	Oxygen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563469	-	Oxygen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563470	-	Oxygen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563471	-	Oxygen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563458	-	Oxygen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563474	-	Oxygen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563473	-	Oxygen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563477	-	Hydrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563489	-	Hydrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563490	-	Hydrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563481	-	Hydrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563478	-	Hydrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563487	-	Hydrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563480	-	Hydrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563488	-	Hydrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563482	-	Hydrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563483	-	Hydrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563484	-	Hydrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563485	-	Hydrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563486	-	Hydrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563479	-	Hydrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563491	-	Argon UHP	220	Cubic Feet(CF)	25-Jan-19
0001563498	-	Argon UHP	220	Cubic Feet(CF)	25-Jan-19
0001563496	-	Argon UHP	220	Cubic Feet(CF)	25-Jan-19
0001563499	-	Argon UHP	220	Cubic Feet(CF)	25-Jan-19
0001563500	-	Argon UHP	220	Cubic Feet(CF)	25-Jan-19
0001563504	-	Argon UHP	220	Cubic Feet(CF)	25-Jan-19
0001563503	-	Argon UHP	220	Cubic Feet(CF)	25-Jan-19
0001563502	-	Argon UHP	220	Cubic Feet(CF)	25-Jan-19
0001563501	-	Argon UHP	220	Cubic Feet(CF)	25-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001563497	-	Argon UHP	220	Cubic Feet(CF)	25-Jan-19
0001563492	-	Argon UHP	220	Cubic Feet(CF)	25-Jan-19
0001563495	-	Argon UHP	220	Cubic Feet(CF)	25-Jan-19
0001563493	-	Argon UHP	220	Cubic Feet(CF)	25-Jan-19
0001563494	-	Argon UHP	220	Cubic Feet(CF)	25-Jan-19
0001563505	7440-59-7	HELIUM	220	Cubic Feet(CF)	25-Jan-19
0001563506	7440-59-7	HELIUM	220	Cubic Feet(CF)	25-Jan-19
0001563507	7440-59-7	HELIUM	220	Cubic Feet(CF)	25-Jan-19
0001563508	7440-59-7	HELIUM	220	Cubic Feet(CF)	25-Jan-19
0001563509	7440-59-7	HELIUM	220	Cubic Feet(CF)	25-Jan-19
0001563510	7440-59-7	HELIUM	220	Cubic Feet(CF)	25-Jan-19
0001563511	-	Oxygen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563516	-	Oxygen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563512	-	Oxygen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563513	-	Oxygen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563515	-	Oxygen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563514	-	Oxygen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563517	-	Nitrogen UHP	220	Cubic Feet(CF)	25-Jan-19
0001563518	-	Argon UHP	220	Cubic Feet(CF)	25-Jan-19
0001563520	-	Argon UHP	220	Cubic Feet(CF)	25-Jan-19
0001563521	-	Argon UHP	220	Cubic Feet(CF)	25-Jan-19
0001563519	-	Argon UHP	220	Cubic Feet(CF)	25-Jan-19
0001563522	-	Argon UHP	220	Cubic Feet(CF)	25-Jan-19
0001515996	-	4-15% Mini-PROTEAN TGX Gel	15	Microliter	25-Jan-19
0001516112	-	Chromaflo Burnt Umber	50	Pounds(LB)	25-Jan-19
0001516113	-	Chromaflo Burnt Umber	50	Pounds(LB)	25-Jan-19
0001516114	-	Chromaflo Burnt Umber	50	Pounds(LB)	25-Jan-19
0001516115	-	Chromaflo Lamp Black UCD	50	Pounds(LB)	25-Jan-19
0001516116	-	Chromaflo Lamp Black UCD	50	Pounds(LB)	25-Jan-19
0001516117	-	Chromaflo Yellow Oxide	44	Pounds(LB)	25-Jan-19
0001516118	-	Chromaflo Yellow Oxide	44	Pounds(LB)	25-Jan-19
0001516150	100-85-6	BENZYLTRIMETHYLAMMONIUM HYDROXIDE	100	Milliliter(ML)	25-Jan-19
0001516151	100-85-6	BENZYLTRIMETHYLAMMONIUM HYDROXIDE	100	Milliliter(ML)	25-Jan-19
0001516243	61-73-4	METHYLENE BLUE (C.I. 52015)	10	Gram(GM)	25-Jan-19
0001516244	7791-11-9	RUBIDIUM CHLORIDE 99%	50	Gram(GM)	25-Jan-19
0001516245	7791-11-9	RUBIDIUM CHLORIDE 99%	50	Gram(GM)	25-Jan-19
0001516246	7790-29-6	RUBIDIUM IODIDE	50	Gram(GM)	25-Jan-19
0001516247	7790-29-6	RUBIDIUM IODIDE	50	Gram(GM)	25-Jan-19
0001516248	10377-51-2	LITHIUM IODIDE	50	Gram(GM)	25-Jan-19
0001516249	1306-38-3	CERIUM(IV) OXIDE	500	Gram(GM)	25-Jan-19
0001516250	1306-38-3	CERIUM(IV) OXIDE	500	Gram(GM)	25-Jan-19
0001516251	1306-38-3	CERIUM(IV) OXIDE	500	Gram(GM)	25-Jan-19
0001516252	637-89-8	4-Hydroxybenzenethiol	25	Gram(GM)	25-Jan-19
0001516253	40817-08-1	4-Cyano-4'-pentylbiphenyl	5	Gram(GM)	25-Jan-19
0001516254	-	Resbond 931 Graphite Adhesive	1	Pint(PT)	25-Jan-19
0001516255	7664-93-9	Sulfuric Acid Digital Titrator Cartridge	100	Milliliter(ML)	25-Jan-19
0001516264	7664-93-9	Sulfuric Acid Digital Titrator Cartridge	100	Milliliter(ML)	25-Jan-19
0001516262	7664-93-9	Sulfuric Acid Digital Titrator Cartridge	100	Milliliter(ML)	25-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001516261	7664-93-9	Sulfuric Acid Digital Titrator Cartridge	100	Milliliter(ML)	25-Jan-19
0001516263	7664-93-9	Sulfuric Acid Digital Titrator Cartridge	100	Milliliter(ML)	25-Jan-19
0001516260	7664-93-9	Sulfuric Acid Digital Titrator Cartridge	100	Milliliter(ML)	25-Jan-19
0001516258	7664-93-9	Sulfuric Acid Digital Titrator Cartridge	100	Milliliter(ML)	25-Jan-19
0001516256	7664-93-9	Sulfuric Acid Digital Titrator Cartridge	100	Milliliter(ML)	25-Jan-19
0001516259	7664-93-9	Sulfuric Acid Digital Titrator Cartridge	100	Milliliter(ML)	25-Jan-19
0001516257	7664-93-9	Sulfuric Acid Digital Titrator Cartridge	100	Milliliter(ML)	25-Jan-19
0001516265	-	DMSO DIMETHYL SULFOXIDE	50	Milliliter(ML)	25-Jan-19
0001516266	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Gallon(GAL)	25-Jan-19
0001516269	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Gallon(GAL)	25-Jan-19
0001516268	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Gallon(GAL)	25-Jan-19
0001516267	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Gallon(GAL)	25-Jan-19
0001516271	-	SINGLE ELEMENT STANDARDS	125	Milliliter(ML)	25-Jan-19
0001516272	464-07-3	3 3-DIMETHYL-2-BUTANOL	100	Gram(GM)	25-Jan-19
0001516273	-	FLUORX 3D PRINTING FILAMENT	500	Gram(GM)	25-Jan-19
0001516274	-	FLUORX 3D PRINTING FILAMENT	500	Gram(GM)	25-Jan-19
0001516275	62402-24-8	N-(2-Pyridylmethyl)glycine Ethyl Ester	5	Gram(GM)	25-Jan-19
0001501233	-	BROMICIDE TABLETS	50	Pounds(LB)	28-Jan-19
0001501243	-	BROMICIDE TABLETS	50	Pounds(LB)	28-Jan-19
0001501252	-	BROMICIDE TABLETS	50	Pounds(LB)	28-Jan-19
0001501251	-	BROMICIDE TABLETS	50	Pounds(LB)	28-Jan-19
0001501250	-	BROMICIDE TABLETS	50	Pounds(LB)	28-Jan-19
0001501249	-	BROMICIDE TABLETS	50	Pounds(LB)	28-Jan-19
0001501248	-	BROMICIDE TABLETS	50	Pounds(LB)	28-Jan-19
0001501247	-	BROMICIDE TABLETS	50	Pounds(LB)	28-Jan-19
0001501246	-	BROMICIDE TABLETS	50	Pounds(LB)	28-Jan-19
0001501244	-	BROMICIDE TABLETS	50	Pounds(LB)	28-Jan-19
0001501242	-	BROMICIDE TABLETS	50	Pounds(LB)	28-Jan-19
0001501234	-	BROMICIDE TABLETS	50	Pounds(LB)	28-Jan-19
0001501240	-	BROMICIDE TABLETS	50	Pounds(LB)	28-Jan-19
0001501239	-	BROMICIDE TABLETS	50	Pounds(LB)	28-Jan-19
0001501238	-	BROMICIDE TABLETS	50	Pounds(LB)	28-Jan-19
0001501237	-	BROMICIDE TABLETS	50	Pounds(LB)	28-Jan-19
0001501236	-	BROMICIDE TABLETS	50	Pounds(LB)	28-Jan-19
0001501235	-	BROMICIDE TABLETS	50	Pounds(LB)	28-Jan-19
0001501241	-	BROMICIDE TABLETS	50	Pounds(LB)	28-Jan-19
0001501245	-	BROMICIDE TABLETS	50	Pounds(LB)	28-Jan-19
V000002082	-	Zinsser BULLS EYE 1-2-3	5	Gallon(GAL)	28-Jan-19
V000002081	-	Zinsser BULLS EYE 1-2-3	5	Gallon(GAL)	28-Jan-19
0001501289	-	Cote All Safety Green	1	Gallon(GAL)	28-Jan-19
0001501290	-	Cote All Safety Green	1	Gallon(GAL)	28-Jan-19
0001501293	-	Cote All J.D. (Safety) Yellow AZ-3433	1	Gallon(GAL)	28-Jan-19
0001501294	-	Cote All J.D. (Safety) Yellow AZ-3433	1	Gallon(GAL)	28-Jan-19
0001501295	-	KRUD KUTTER CLEANER/DEGREASER	1	Gallon(GAL)	28-Jan-19
0001501296	-	KRUD KUTTER CLEANER/DEGREASER	1	Gallon(GAL)	28-Jan-19
0001501297	-	Startex Lacquer Thinner	128	Ounces(OZ)	28-Jan-19
0001501298	-	Startex Lacquer Thinner	128	Ounces(OZ)	28-Jan-19
0001501259	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	28-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001501268	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	28-Jan-19
0001501269	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	28-Jan-19
0001501270	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	28-Jan-19
0001501260	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	28-Jan-19
0001501267	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	28-Jan-19
0001501266	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	28-Jan-19
0001501264	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	28-Jan-19
0001501263	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	28-Jan-19
0001501265	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	28-Jan-19
0001501261	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	28-Jan-19
0001501262	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	28-Jan-19
0001501271	-	Proseal Proseal Spray Fiberseal	1	Gallon(GAL)	28-Jan-19
0001501276	-	Proseal Proseal Spray Fiberseal	1	Gallon(GAL)	28-Jan-19
0001501275	-	Proseal Proseal Spray Fiberseal	1	Gallon(GAL)	28-Jan-19
0001501274	-	Proseal Proseal Spray Fiberseal	1	Gallon(GAL)	28-Jan-19
0001501273	-	Proseal Proseal Spray Fiberseal	1	Gallon(GAL)	28-Jan-19
0001501272	-	Proseal Proseal Spray Fiberseal	1	Gallon(GAL)	28-Jan-19
0001501301	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501308	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501336	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501319	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501318	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501317	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501316	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501315	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501314	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501313	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501312	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501311	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501321	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501309	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501322	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501307	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501306	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501305	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501304	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501303	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501302	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501400	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501392	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501398	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501310	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501333	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501337	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501338	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501339	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501340	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501341	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001501342	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501343	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501344	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501345	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501346	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501320	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501334	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501397	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501332	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501331	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501330	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501329	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501328	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501327	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501326	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501325	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501324	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501323	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501335	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501380	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501399	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501369	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501370	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501371	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501372	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501373	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501374	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501375	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501376	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501377	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501367	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501379	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501366	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501381	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501382	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501383	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501384	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501385	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501386	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501387	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501388	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501389	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501390	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501391	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501378	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501354	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501396	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501395	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001501394	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501393	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501348	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501349	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501350	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501351	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501368	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501353	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501347	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501355	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501356	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501357	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501358	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501359	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501360	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501361	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501362	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501363	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501364	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501365	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501352	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501495	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501497	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501496	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501498	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501499	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501500	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501494	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501480	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501463	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501429	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501428	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501456	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501427	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501457	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501458	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501459	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501460	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501461	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501437	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501462	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501432	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501464	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501465	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501466	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501467	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501468	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501469	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001501470	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501471	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501472	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501473	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501426	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501447	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501436	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501435	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501438	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501439	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501434	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501440	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501441	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501442	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501443	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501444	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501430	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501446	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501431	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501448	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501449	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501450	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501451	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501452	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501453	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501454	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501455	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501433	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501476	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501445	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501401	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501411	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501475	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501409	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501474	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501407	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501406	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501405	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501404	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501412	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501402	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501410	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501493	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501482	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501486	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501487	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501488	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501489	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001501490	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501491	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501492	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501403	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501484	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501477	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501478	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501479	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501425	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501481	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501424	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501408	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501483	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501413	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501485	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501419	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501422	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501421	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501420	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501414	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501415	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501423	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501416	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501417	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501418	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501534	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501535	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501539	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501538	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501537	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501533	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501540	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501510	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501522	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501521	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501520	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501519	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501518	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501517	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501516	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501515	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501514	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501523	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501509	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501513	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501503	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501504	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501505	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001501506	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501507	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501508	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501536	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501502	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501501	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501512	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501525	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501526	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501527	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501528	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501529	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501530	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501531	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501524	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501511	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501532	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501541	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501542	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501548	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501547	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501546	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501545	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501544	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501543	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	28-Jan-19
0001501277	-	Avalon Ultra Premium Latex Enamel W/B	5	Gallon(GAL)	28-Jan-19
0001501278	-	Avalon Ultra Premium Latex Enamel W/B	5	Gallon(GAL)	28-Jan-19
0001501279	-	Avalon Ultra Premium Latex Enamel W/B	1	Gallon(GAL)	28-Jan-19
0001501281	-	Avalon Ultra Premium Latex Enamel W/B	1	Gallon(GAL)	28-Jan-19
0001501282	-	Avalon Ultra Premium Latex Enamel W/B	1	Gallon(GAL)	28-Jan-19
0001501283	-	Avalon Ultra Premium Latex Enamel W/B	1	Gallon(GAL)	28-Jan-19
0001501280	-	Avalon Ultra Premium Latex Enamel W/B	1	Gallon(GAL)	28-Jan-19
0001386715	-	COLLOIDAL GRAPHITE IN ISOPROPANOL	30	Gram(GM)	28-Jan-19
0001515997	75-05-8	ACETONITRILE	4	Liters(L)	28-Jan-19
0001515998	75-05-8	ACETONITRILE	4	Liters(L)	28-Jan-19
0001515999	75-05-8	ACETONITRILE	4	Liters(L)	28-Jan-19
0001516000	75-05-8	ACETONITRILE	4	Liters(L)	28-Jan-19
0001516119	-	FORMULA 2011	55	Gallon(GAL)	28-Jan-19
0001516149	108321-42-2	GENETICIN	100	Milliliter(ML)	28-Jan-19
0000958562	-	ALUMICUT	16	Ounces(OZ)	28-Jan-19
0000958563	-	ALUMICUT	16	Ounces(OZ)	28-Jan-19
0000958564	-	ALUMICUT	16	Ounces(OZ)	28-Jan-19
0001516276	Multi	FAST DNA SPIN KIT FOR SOIL	100	Milliliter(ML)	28-Jan-19
0001516283	Multi	FAST DNA SPIN KIT FOR SOIL	100	Milliliter(ML)	28-Jan-19
0001516277	Multi	FAST DNA SPIN KIT FOR SOIL	100	Milliliter(ML)	28-Jan-19
0001516278	Multi	FAST DNA SPIN KIT FOR SOIL	100	Milliliter(ML)	28-Jan-19
0001516279	Multi	FAST DNA SPIN KIT FOR SOIL	100	Milliliter(ML)	28-Jan-19
0001516280	Multi	FAST DNA SPIN KIT FOR SOIL	100	Milliliter(ML)	28-Jan-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001516281	Multi	FAST DNA SPIN KIT FOR SOIL	100	Milliliter(ML)	28-Jan-19
0001516282	Multi	FAST DNA SPIN KIT FOR SOIL	100	Milliliter(ML)	28-Jan-19
0001516284	67-63-0	ISOPROPYL ALCOHOL AND WATER	4	Liters(L)	28-Jan-19
0001516287	67-63-0	ISOPROPYL ALCOHOL AND WATER	4	Liters(L)	28-Jan-19
0001516285	67-63-0	ISOPROPYL ALCOHOL AND WATER	4	Liters(L)	28-Jan-19
0001516286	67-63-0	ISOPROPYL ALCOHOL AND WATER	4	Liters(L)	28-Jan-19
0001516288	7664-38-2	PHOSPHORIC ACID 85%	14	Pounds(LB)	28-Jan-19
0001516289	7664-38-2	PHOSPHORIC ACID 85%	14	Pounds(LB)	28-Jan-19
0001516290	7664-38-2	PHOSPHORIC ACID 85%	14	Pounds(LB)	28-Jan-19
0001516291	7664-38-2	PHOSPHORIC ACID 85%	14	Pounds(LB)	28-Jan-19
0001516292	96-33-3	METHYL ACRYLATE INHIBITED	250	Milliliter(ML)	28-Jan-19
0001516293	-	SELENIUM STANDARD	100	Milliliter(ML)	28-Jan-19
0001516294	-	RPMI-1640 MEDIUM	500	Milliliter(ML)	28-Jan-19
0001516295	-	RPMI-1640 MEDIUM	500	Milliliter(ML)	28-Jan-19
0001501284	-	PORCH AND FLOOR COATING ANTI SKID	116	Ounces(OZ)	28-Jan-19
0001501287	-	PORCH AND FLOOR COATING ANTI SKID	116	Ounces(OZ)	28-Jan-19
0001501285	-	PORCH AND FLOOR COATING ANTI SKID	116	Ounces(OZ)	28-Jan-19
0001501286	-	PORCH AND FLOOR COATING ANTI SKID	116	Ounces(OZ)	28-Jan-19
0001501288	-	PORCH AND FLOOR COATING ANTI SKID	116	Ounces(OZ)	28-Jan-19
0001515883	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	29-Jan-19
0001515912	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	29-Jan-19
0001515899	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	29-Jan-19
0001515900	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	29-Jan-19
0001515901	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	29-Jan-19
0001515902	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	29-Jan-19
0001515903	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	29-Jan-19
0001515905	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	29-Jan-19
0001515884	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	29-Jan-19
0001515906	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	29-Jan-19
0001515907	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	29-Jan-19
0001515908	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	29-Jan-19
0001515909	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	29-Jan-19
0001515898	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	29-Jan-19
0001515911	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	29-Jan-19
0001515904	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	29-Jan-19
0001515913	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	29-Jan-19
0001515914	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	29-Jan-19
0001515915	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	29-Jan-19
0001515916	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	29-Jan-19
0001515917	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	29-Jan-19
0001515918	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	29-Jan-19
0001515919	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	29-Jan-19
0001515920	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	29-Jan-19
0001515921	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	29-Jan-19
0001515922	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	29-Jan-19
0001515910	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	29-Jan-19
0001515891	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	29-Jan-19
0001515885	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	29-Jan-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001515886	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	29-Jan-19
0001515887	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	29-Jan-19
0001515888	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	29-Jan-19
0001515890	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	29-Jan-19
0001515897	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	29-Jan-19
0001515892	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	29-Jan-19
0001515893	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	29-Jan-19
0001515894	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	29-Jan-19
0001515895	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	29-Jan-19
0001515896	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	29-Jan-19
0001515889	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	29-Jan-19
0001516001	-	4-15% Mini-PROTEAN TGX Gel	15	Microliter	29-Jan-19
0001516002	-	4-15% Mini-PROTEAN TGX Gel	15	Microliter	29-Jan-19
0001516152	-	BacTiter-Glo	100	Milliliter(ML)	29-Jan-19
0001516296	591778-70-0	CP-640186 hydrochloride	5	Milligram(MG)	29-Jan-19
0001516297	87-99-0	XYLITOL	100	Gram(GM)	29-Jan-19
0001516298	616-52-4	PINACOLYL METHYLPHOSPHONATE	5	Gram(GM)	29-Jan-19
0001516299	616-52-4	PINACOLYL METHYLPHOSPHONATE	5	Gram(GM)	29-Jan-19
0001516300	108-93-0	CYCLOHEXANOL	25	Milliliter(ML)	29-Jan-19
0001516301	108-93-0	CYCLOHEXANOL	25	Milliliter(ML)	29-Jan-19
0001516302	107-92-6	BUTYRIC ACID	500	Milliliter(ML)	29-Jan-19
0001516303	67-52-7	BARBITURIC ACID	100	Gram(GM)	29-Jan-19
0001516304	504-17-6	2-THIOBARBITURIC ACID	25	Gram(GM)	29-Jan-19
0001516305	584-08-7	POTASSIUM CARBONATE	1	Kilograms(KG)	29-Jan-19
0001516306	-	HX-200	1	Gallon(GAL)	29-Jan-19
0001516307	-	SILANOL TERMINATED POLYDIMETHYLSILOXANE	1	Kilograms(KG)	29-Jan-19
0001516308	-	AMMONIA SOLUTION OPTIMA	500	Milliliter(ML)	29-Jan-19
0001516309	-	Compressed Air	12	Ounces(OZ)	29-Jan-19
0001516318	-	Compressed Air	12	Ounces(OZ)	29-Jan-19
0001516310	-	Compressed Air	12	Ounces(OZ)	29-Jan-19
0001516311	-	Compressed Air	12	Ounces(OZ)	29-Jan-19
0001516312	-	Compressed Air	12	Ounces(OZ)	29-Jan-19
0001516313	-	Compressed Air	12	Ounces(OZ)	29-Jan-19
0001516314	-	Compressed Air	12	Ounces(OZ)	29-Jan-19
0001516315	-	Compressed Air	12	Ounces(OZ)	29-Jan-19
0001516316	-	Compressed Air	12	Ounces(OZ)	29-Jan-19
0001516317	-	Compressed Air	12	Ounces(OZ)	29-Jan-19
0001516320	-	Compressed Air	12	Ounces(OZ)	29-Jan-19
0001516319	-	Compressed Air	12	Ounces(OZ)	29-Jan-19
0001516321	67-64-1	ACETONE REAGENT ACS	4	Liters(L)	29-Jan-19
0001516324	67-64-1	ACETONE REAGENT ACS	4	Liters(L)	29-Jan-19
0001516323	67-64-1	ACETONE REAGENT ACS	4	Liters(L)	29-Jan-19
0001516322	67-64-1	ACETONE REAGENT ACS	4	Liters(L)	29-Jan-19
0001516325	-	OBJET VEROCLEAR RGD810	3.6	Kilograms(KG)	29-Jan-19
0001516328	-	OBJET VEROCLEAR RGD810	3.6	Kilograms(KG)	29-Jan-19
0001516326	-	OBJET VEROCLEAR RGD810	3.6	Kilograms(KG)	29-Jan-19
0001516327	-	OBJET VEROCLEAR RGD810	3.6	Kilograms(KG)	29-Jan-19
0001501253	-	R-630	55	Gallon(GAL)	29-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001501256	-	R-630	55	Gallon(GAL)	29-Jan-19
0001501257	-	R-630	55	Gallon(GAL)	29-Jan-19
0001501255	-	R-630	55	Gallon(GAL)	29-Jan-19
0001501254	-	R-630	55	Gallon(GAL)	29-Jan-19
0001501258	-	R-630	55	Gallon(GAL)	29-Jan-19
0001501223	-	WEST C-358	55	Gallon(GAL)	29-Jan-19
0001501228	-	WEST C-358	55	Gallon(GAL)	29-Jan-19
0001501225	-	WEST C-358	55	Gallon(GAL)	29-Jan-19
0001501226	-	WEST C-358	55	Gallon(GAL)	29-Jan-19
0001501227	-	WEST C-358	55	Gallon(GAL)	29-Jan-19
0001501232	-	WEST C-358	55	Gallon(GAL)	29-Jan-19
0001501231	-	WEST C-358	55	Gallon(GAL)	29-Jan-19
0001501230	-	WEST C-358	55	Gallon(GAL)	29-Jan-19
0001501229	-	WEST C-358	55	Gallon(GAL)	29-Jan-19
0001501224	-	WEST C-358	55	Gallon(GAL)	29-Jan-19
0001458210	7647-01-0	HYDROCHLORIC ACID 36-38%	1	Quarts(QT)	29-Jan-19
0001458212	7647-01-0	HYDROCHLORIC ACID 36-38%	1	Quarts(QT)	29-Jan-19
0001458211	7647-01-0	HYDROCHLORIC ACID 36-38%	1	Quarts(QT)	29-Jan-19
0001458213	7647-01-0	HYDROCHLORIC ACID 36-38%	1	Quarts(QT)	29-Jan-19
0001458209	7647-01-0	HYDROCHLORIC ACID 36-38%	1	Quarts(QT)	29-Jan-19
0001458205	78-93-3	METHYL ETHYL KETONE	1	Quarts(QT)	29-Jan-19
0001458206	78-93-3	METHYL ETHYL KETONE	1	Quarts(QT)	29-Jan-19
0001458214	67-64-1	ACETONE HISTOLOGICAL GRADE	1	Pint(PT)	29-Jan-19
0001458208	67-64-1	ACETONE HISTOLOGICAL GRADE	1	Quarts(QT)	29-Jan-19
0001458215	67-64-1	ACETONE HISTOLOGICAL GRADE	1	Pint(PT)	29-Jan-19
0001458216	67-64-1	ACETONE HISTOLOGICAL GRADE	1	Pint(PT)	29-Jan-19
0001458207	67-64-1	ACETONE HISTOLOGICAL GRADE	1	Quarts(QT)	29-Jan-19
0001516329	-	VEROWHITEPLUS RGD835	3.6	Kilograms(KG)	30-Jan-19
0001516337	-	VEROWHITEPLUS RGD835	3.6	Kilograms(KG)	30-Jan-19
0001516330	-	VEROWHITEPLUS RGD835	3.6	Kilograms(KG)	30-Jan-19
0001516331	-	VEROWHITEPLUS RGD835	3.6	Kilograms(KG)	30-Jan-19
0001516332	-	VEROWHITEPLUS RGD835	3.6	Kilograms(KG)	30-Jan-19
0001516333	-	VEROWHITEPLUS RGD835	3.6	Kilograms(KG)	30-Jan-19
0001516334	-	VEROWHITEPLUS RGD835	3.6	Kilograms(KG)	30-Jan-19
0001516335	-	VEROWHITEPLUS RGD835	3.6	Kilograms(KG)	30-Jan-19
0001516336	-	VEROWHITEPLUS RGD835	3.6	Kilograms(KG)	30-Jan-19
0001516338	-	VEROWHITEPLUS RGD835	3.6	Kilograms(KG)	30-Jan-19
0001516339	-	VEROBLACKPLUS RGD875	3.6	Kilograms(KG)	30-Jan-19
0001516342	-	VEROBLACKPLUS RGD875	3.6	Kilograms(KG)	30-Jan-19
0001516341	-	VEROBLACKPLUS RGD875	3.6	Kilograms(KG)	30-Jan-19
0001516345	-	VEROBLACKPLUS RGD875	3.6	Kilograms(KG)	30-Jan-19
0001516343	-	VEROBLACKPLUS RGD875	3.6	Kilograms(KG)	30-Jan-19
0001516344	-	VEROBLACKPLUS RGD875	3.6	Kilograms(KG)	30-Jan-19
0001516347	-	VEROBLACKPLUS RGD875	3.6	Kilograms(KG)	30-Jan-19
0001516346	-	VEROBLACKPLUS RGD875	3.6	Kilograms(KG)	30-Jan-19
0001516340	-	VEROBLACKPLUS RGD875	3.6	Kilograms(KG)	30-Jan-19
0001516348	-	VEROBLACKPLUS RGD875	3.6	Kilograms(KG)	30-Jan-19
0001516349	58-58-2	PUROMYCIN DIHYDROCHLORIDE HYDRATE	100	Milligram(MG)	30-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001516350	13716-10-4	DI-T-BUTYLCHLOROPHOSPHINE	25	Gram(GM)	30-Jan-19
0001516351	31282-04-9	HYGROMYCIN B	20	Milliliter(ML)	30-Jan-19
0001516352	769-42-6	1 3-Dimethylbarbituric acid	50	Gram(GM)	30-Jan-19
0001516353	-	PLASMID MIDI KIT	50	Milliliter(ML)	30-Jan-19
0001516354	-	HiSpeed Plasmid Giga EF Kit	10	Milliliter(ML)	30-Jan-19
0001516355	141743-30-8	Fmoc-N-(2-tert-butoxyethyl)glycine	5	Gram(GM)	30-Jan-19
0001516356	-	EJ-510 REFLECTIVE COATING	500	Milliliter(ML)	30-Jan-19
0001516375	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	30-Jan-19
0001516385	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	30-Jan-19
0001516392	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	30-Jan-19
0001516391	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	30-Jan-19
0001516390	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	30-Jan-19
0001516389	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	30-Jan-19
0001516388	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	30-Jan-19
0001516386	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	30-Jan-19
0001516384	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	30-Jan-19
0001516383	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	30-Jan-19
0001516382	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	30-Jan-19
0001516380	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	30-Jan-19
0001516379	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	30-Jan-19
0001516378	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	30-Jan-19
0001516377	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	30-Jan-19
0001516376	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	30-Jan-19
0001516381	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	30-Jan-19
0001516387	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	30-Jan-19
0001516393	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	30-Jan-19
0001516405	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	30-Jan-19
0001516406	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	30-Jan-19
0001516407	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	30-Jan-19
0001516408	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	30-Jan-19
0001516409	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	30-Jan-19
0001516410	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	30-Jan-19
0001516394	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	30-Jan-19
0001516411	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	30-Jan-19
0001516416	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	30-Jan-19
0001516415	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	30-Jan-19
0001516414	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	30-Jan-19
0001516413	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	30-Jan-19
0001516404	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	30-Jan-19
0001516412	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	30-Jan-19
0001516396	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	30-Jan-19
0001516403	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	30-Jan-19
0001516395	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	30-Jan-19
0001516397	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	30-Jan-19
0001516398	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	30-Jan-19
0001516399	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	30-Jan-19
0001516400	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	30-Jan-19
0001516401	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	30-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001516402	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	30-Jan-19
0000984336	7732-18-5	Hydrochloric Acid 30-31%	3000	Pounds(LB)	30-Jan-19
0000984337	7732-18-5	Hydrochloric Acid 30-31%	3000	Pounds(LB)	30-Jan-19
0001573008	-	Chevron Ultra-Duty Grease EP NLGI 0 1 2	120	Pounds(LB)	30-Jan-19
0001573009	-	Chevron Ultra-Duty Grease EP NLGI 0 1 2	120	Pounds(LB)	30-Jan-19
0001573010	-	Chevron Heat Transfer Oil 46	55	Gallon(GAL)	30-Jan-19
0001516153	120-57-0	PIPERONAL	100	Gram(GM)	30-Jan-19
0001516154	120-57-0	PIPERONAL	100	Gram(GM)	30-Jan-19
0001516155	-	DOW CORNING(R) HIGH VACUUM GREASE	5.3	Ounces(OZ)	30-Jan-19
0001516357	79-31-2	ISOBUTYRIC ACID	1	Kilograms(KG)	30-Jan-19
0001516358	1314-23-4	ZIRCONIUM(IV) OXIDE	1	Kilograms(KG)	30-Jan-19
0001516359	1344-28-1	ALUMINUM OXIDE	1	Kilograms(KG)	30-Jan-19
0001516360	1344-28-1	ALUMINUM OXIDE NEUTRAL	1	Kilograms(KG)	30-Jan-19
0001516361	106-42-3	P-XYLENE	2	Liters(L)	30-Jan-19
0001516362	123-91-1	1 4-DIOXANE	1	Liters(L)	30-Jan-19
0001516363	123-91-1	1 4-DIOXANE	1	Liters(L)	30-Jan-19
0001516364	123-91-1	1 4-DIOXANE	1	Liters(L)	30-Jan-19
0001516365	8017-16-1	POLYPHOSPHORIC ACID	1	Kilograms(KG)	30-Jan-19
0001516366	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	1	Liters(L)	30-Jan-19
0001516367	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	1	Liters(L)	30-Jan-19
0001516368	107-21-1	ETHYLENE GLYCOL	1	Liters(L)	30-Jan-19
0001516369	-	DRY LUBRICANT	12	Ounces(OZ)	30-Jan-19
0001516370	-	DRY LUBRICANT	12	Ounces(OZ)	30-Jan-19
0001516371	-	DRY LUBRICANT	12	Ounces(OZ)	30-Jan-19
0001516372	-	DRY LUBRICANT	12	Ounces(OZ)	30-Jan-19
0001516373	-	DRY LUBRICANT	12	Ounces(OZ)	30-Jan-19
0001516374	123-75-1	PYRROLIDINE	25	Milliliter(ML)	30-Jan-19
0001516420	-	DMPC POLAR LIPIDS 1GR	1	Gram(GM)	30-Jan-19
0001516423	-	DMPC POLAR LIPIDS 1GR	1	Gram(GM)	30-Jan-19
0001516422	-	DMPC POLAR LIPIDS 1GR	1	Gram(GM)	30-Jan-19
0001516421	-	DMPC POLAR LIPIDS 1GR	1	Gram(GM)	30-Jan-19
0001516447	-	5-MINUTE EPOXY	25	Milliliter(ML)	30-Jan-19
0001516475	-	5-MINUTE EPOXY	25	Milliliter(ML)	30-Jan-19
0001516466	-	5-MINUTE EPOXY	25	Milliliter(ML)	30-Jan-19
0001516467	-	5-MINUTE EPOXY	25	Milliliter(ML)	30-Jan-19
0001516468	-	5-MINUTE EPOXY	25	Milliliter(ML)	30-Jan-19
0001516469	-	5-MINUTE EPOXY	25	Milliliter(ML)	30-Jan-19
0001516470	-	5-MINUTE EPOXY	25	Milliliter(ML)	30-Jan-19
0001516471	-	5-MINUTE EPOXY	25	Milliliter(ML)	30-Jan-19
0001516472	-	5-MINUTE EPOXY	25	Milliliter(ML)	30-Jan-19
0001516480	-	5-MINUTE EPOXY	25	Milliliter(ML)	30-Jan-19
0001516474	-	5-MINUTE EPOXY	25	Milliliter(ML)	30-Jan-19
0001516481	-	5-MINUTE EPOXY	25	Milliliter(ML)	30-Jan-19
0001516476	-	5-MINUTE EPOXY	25	Milliliter(ML)	30-Jan-19
0001516477	-	5-MINUTE EPOXY	25	Milliliter(ML)	30-Jan-19
0001516478	-	5-MINUTE EPOXY	25	Milliliter(ML)	30-Jan-19
0001516479	-	5-MINUTE EPOXY	25	Milliliter(ML)	30-Jan-19
0001516483	-	5-MINUTE EPOXY	25	Milliliter(ML)	30-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001516465	-	5-MINUTE EPOXY	25	Milliliter(ML)	30-Jan-19
0001516482	-	5-MINUTE EPOXY	25	Milliliter(ML)	30-Jan-19
0001516473	-	5-MINUTE EPOXY	25	Milliliter(ML)	30-Jan-19
0001516455	-	5-MINUTE EPOXY	25	Milliliter(ML)	30-Jan-19
0001516484	-	5-MINUTE EPOXY	25	Milliliter(ML)	30-Jan-19
0001516486	-	5-MINUTE EPOXY	25	Milliliter(ML)	30-Jan-19
0001516485	-	5-MINUTE EPOXY	25	Milliliter(ML)	30-Jan-19
0001516448	-	5-MINUTE EPOXY	25	Milliliter(ML)	30-Jan-19
0001516449	-	5-MINUTE EPOXY	25	Milliliter(ML)	30-Jan-19
0001516450	-	5-MINUTE EPOXY	25	Milliliter(ML)	30-Jan-19
0001516451	-	5-MINUTE EPOXY	25	Milliliter(ML)	30-Jan-19
0001516452	-	5-MINUTE EPOXY	25	Milliliter(ML)	30-Jan-19
0001516454	-	5-MINUTE EPOXY	25	Milliliter(ML)	30-Jan-19
0001516464	-	5-MINUTE EPOXY	25	Milliliter(ML)	30-Jan-19
0001516456	-	5-MINUTE EPOXY	25	Milliliter(ML)	30-Jan-19
0001516457	-	5-MINUTE EPOXY	25	Milliliter(ML)	30-Jan-19
0001516458	-	5-MINUTE EPOXY	25	Milliliter(ML)	30-Jan-19
0001516459	-	5-MINUTE EPOXY	25	Milliliter(ML)	30-Jan-19
0001516460	-	5-MINUTE EPOXY	25	Milliliter(ML)	30-Jan-19
0001516461	-	5-MINUTE EPOXY	25	Milliliter(ML)	30-Jan-19
0001516462	-	5-MINUTE EPOXY	25	Milliliter(ML)	30-Jan-19
0001516463	-	5-MINUTE EPOXY	25	Milliliter(ML)	30-Jan-19
0001516453	-	5-MINUTE EPOXY	25	Milliliter(ML)	30-Jan-19
0001516487	-	HIGH TEMPERATURE EPOXY 550	2	Ounces(OZ)	30-Jan-19
0001516494	-	HIGH TEMPERATURE EPOXY 550	2	Ounces(OZ)	30-Jan-19
0001516503	-	HIGH TEMPERATURE EPOXY 550	2	Ounces(OZ)	30-Jan-19
0001516502	-	HIGH TEMPERATURE EPOXY 550	2	Ounces(OZ)	30-Jan-19
0001516501	-	HIGH TEMPERATURE EPOXY 550	2	Ounces(OZ)	30-Jan-19
0001516500	-	HIGH TEMPERATURE EPOXY 550	2	Ounces(OZ)	30-Jan-19
0001516499	-	HIGH TEMPERATURE EPOXY 550	2	Ounces(OZ)	30-Jan-19
0001516498	-	HIGH TEMPERATURE EPOXY 550	2	Ounces(OZ)	30-Jan-19
0001516497	-	HIGH TEMPERATURE EPOXY 550	2	Ounces(OZ)	30-Jan-19
0001516504	-	HIGH TEMPERATURE EPOXY 550	2	Ounces(OZ)	30-Jan-19
0001516495	-	HIGH TEMPERATURE EPOXY 550	2	Ounces(OZ)	30-Jan-19
0001516506	-	HIGH TEMPERATURE EPOXY 550	2	Ounces(OZ)	30-Jan-19
0001516493	-	HIGH TEMPERATURE EPOXY 550	2	Ounces(OZ)	30-Jan-19
0001516492	-	HIGH TEMPERATURE EPOXY 550	2	Ounces(OZ)	30-Jan-19
0001516491	-	HIGH TEMPERATURE EPOXY 550	2	Ounces(OZ)	30-Jan-19
0001516490	-	HIGH TEMPERATURE EPOXY 550	2	Ounces(OZ)	30-Jan-19
0001516489	-	HIGH TEMPERATURE EPOXY 550	2	Ounces(OZ)	30-Jan-19
0001516505	-	HIGH TEMPERATURE EPOXY 550	2	Ounces(OZ)	30-Jan-19
0001516488	-	HIGH TEMPERATURE EPOXY 550	2	Ounces(OZ)	30-Jan-19
0001516496	-	HIGH TEMPERATURE EPOXY 550	2	Ounces(OZ)	30-Jan-19
0001516507	60-29-7	ETHYL ETHER	4	Liters(L)	30-Jan-19
0001516508	60-29-7	ETHYL ETHER	4	Liters(L)	30-Jan-19
0001516509	60-29-7	ETHYL ETHER	4	Liters(L)	30-Jan-19
0001516510	60-29-7	ETHYL ETHER	4	Liters(L)	30-Jan-19
0001516511	-	Sulfo-NHS (N-hydroxysulfosuccinimide)	500	Milligram(MG)	30-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001516512	132705-51-2	Bromo-tris-pyrrolidino-phosphonium	100	Gram(GM)	30-Jan-19
0001516513	1163733-25-2	Aquivion PW79S	25	Gram(GM)	30-Jan-19
0001516514	-	HEXAPHENYLBENZENE	1	Gram(GM)	30-Jan-19
0001516516	-	HEXAPHENYLBENZENE	1	Gram(GM)	30-Jan-19
0001516517	-	HEXAPHENYLBENZENE	1	Gram(GM)	30-Jan-19
0001516515	-	HEXAPHENYLBENZENE	1	Gram(GM)	30-Jan-19
0001516518	-	HEXAPHENYLBENZENE	1	Gram(GM)	30-Jan-19
0001516519	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516530	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516541	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516542	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516531	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516540	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516539	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516538	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516537	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516536	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516535	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516534	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516532	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516524	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516529	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516521	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516523	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516520	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516525	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516526	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516533	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516527	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516528	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516522	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516543	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516559	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516554	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516556	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516557	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516558	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516560	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516561	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516562	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516564	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516553	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516565	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516566	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516563	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516545	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516555	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516552	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001516544	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516546	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516547	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516548	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516549	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516550	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516551	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516567	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516579	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516589	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516584	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516581	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516582	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516583	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516580	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516585	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516586	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516587	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516578	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516590	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516588	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516570	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516569	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516572	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516568	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516571	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516573	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516574	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516575	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516576	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001516577	-	EXTRUDE MEDIUM	50	Milliliter(ML)	30-Jan-19
0001500023	-	HANDY FLUX and HANDY FLUX SLS	113	Gram(GM)	30-Jan-19
0001563539	-	Nitrogen UHP	103	Liters(L)	30-Jan-19
0001563540	-	5ppm Chlorine Bal Nitrogen	58	Liters(L)	30-Jan-19
0001563543	-	5ppm Chlorine Bal Nitrogen	58	Liters(L)	30-Jan-19
0001563542	-	5ppm Chlorine Bal Nitrogen	58	Liters(L)	30-Jan-19
0001563541	-	5ppm Chlorine Bal Nitrogen	58	Liters(L)	30-Jan-19
0001563523	75-45-6	CHLORODIFLUOROMETHANE	30	Pounds(LB)	30-Jan-19
0001563526	75-45-6	CHLORODIFLUOROMETHANE	30	Pounds(LB)	30-Jan-19
0001563527	75-45-6	CHLORODIFLUOROMETHANE	30	Pounds(LB)	30-Jan-19
0001563525	75-45-6	CHLORODIFLUOROMETHANE	30	Pounds(LB)	30-Jan-19
0001563524	75-45-6	CHLORODIFLUOROMETHANE	30	Pounds(LB)	30-Jan-19
0001563528	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	30-Jan-19
0001563536	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	30-Jan-19
0001563535	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	30-Jan-19
0001563534	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	30-Jan-19
0001563533	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	30-Jan-19
0001563532	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	30-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001563531	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	30-Jan-19
0001563530	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	30-Jan-19
0001563529	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	30-Jan-19
0001563537	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Liters(L)	30-Jan-19
0001563538	-	HYDROGEN CHLORIDE 25 PPM/BAL NITROGEN	58	Liters(L)	30-Jan-19
0001419454	-	RTV SILICONE ELASTOMER PART A	100	Gram(GM)	30-Jan-19
0001419455	-	RTV SILICONE ELASTOMER PART B	100	Gram(GM)	30-Jan-19
0001417662	-	DOW CORNING 93-500 SPACE GRADE	110	Gram(GM)	30-Jan-19
0001417663	-	DOW CORNING 93-500 CURING AGENT	10	Gram(GM)	30-Jan-19
0001573011	-	HI-TEMP BEARING GREASE	14	Ounces(OZ)	31-Jan-19
0001573012	-	HI-TEMP BEARING GREASE	14	Ounces(OZ)	31-Jan-19
0001573013	-	HI-TEMP BEARING GREASE	14	Ounces(OZ)	31-Jan-19
0001573014	-	HI-TEMP BEARING GREASE	14	Ounces(OZ)	31-Jan-19
0001516591	446-17-3	2 4 5-TRIFLUOROBENZOIC ACID	5	Gram(GM)	31-Jan-19
0001516592	61079-72-9	2 3 4-Trifluorobenzoic acid	5	Gram(GM)	31-Jan-19
0001516593	3303-84-2	BOC-BETA-ALANINE	100	Gram(GM)	31-Jan-19
0001516594	-	GELCODE BLUE SAFE PROTEIN STAIN	3.5	Liters(L)	31-Jan-19
0001516595	99768-12-4	4-Methoxycarbonylphenylboronic Acid	100	Gram(GM)	31-Jan-19
0001516596	69075-47-4	5-Ethynyl-2'-deoxycytidine (EdC)	5	Milligram(MG)	31-Jan-19
0001516597	693-13-0	N N'-DIISOPROPYLCARBODIIMIDE	100	Gram(GM)	31-Jan-19
0001516598	693-13-0	N N'-DIISOPROPYLCARBODIIMIDE	100	Gram(GM)	31-Jan-19
0001516600	693-13-0	N N'-DIISOPROPYLCARBODIIMIDE	100	Gram(GM)	31-Jan-19
0001516602	693-13-0	N N'-DIISOPROPYLCARBODIIMIDE	100	Gram(GM)	31-Jan-19
0001516601	693-13-0	N N'-DIISOPROPYLCARBODIIMIDE	100	Gram(GM)	31-Jan-19
0001516599	693-13-0	N N'-DIISOPROPYLCARBODIIMIDE	100	Gram(GM)	31-Jan-19
0001516675	-	Mercury Spill Clean-up Kit	520	Gram(GM)	31-Jan-19
0001516676	-	Mercury Spill Clean-up Kit	520	Gram(GM)	31-Jan-19
0001516677	-	Mercury Spill Clean-up Kit	520	Gram(GM)	31-Jan-19
0001516679	-	Mercury Spill Clean-up Kit	520	Gram(GM)	31-Jan-19
0001516678	-	Mercury Spill Clean-up Kit	520	Gram(GM)	31-Jan-19
0001516680	-	Mercury Spill Clean-up Kit	520	Gram(GM)	31-Jan-19
0001563544	7440-59-7	Helium UHP	220	Cubic Feet(CF)	31-Jan-19
0001563558	7440-59-7	Helium UHP	220	Cubic Feet(CF)	31-Jan-19
0001563559	7440-59-7	Helium UHP	220	Cubic Feet(CF)	31-Jan-19
0001563560	7440-59-7	Helium UHP	220	Cubic Feet(CF)	31-Jan-19
0001563561	7440-59-7	Helium UHP	220	Cubic Feet(CF)	31-Jan-19
0001563562	7440-59-7	Helium UHP	220	Cubic Feet(CF)	31-Jan-19
0001563563	7440-59-7	Helium UHP	220	Cubic Feet(CF)	31-Jan-19
0001563564	7440-59-7	Helium UHP	220	Cubic Feet(CF)	31-Jan-19
0001563566	7440-59-7	Helium UHP	220	Cubic Feet(CF)	31-Jan-19
0001563567	7440-59-7	Helium UHP	220	Cubic Feet(CF)	31-Jan-19
0001563557	7440-59-7	Helium UHP	220	Cubic Feet(CF)	31-Jan-19
0001563565	7440-59-7	Helium UHP	220	Cubic Feet(CF)	31-Jan-19
0001563556	7440-59-7	Helium UHP	220	Cubic Feet(CF)	31-Jan-19
0001563555	7440-59-7	Helium UHP	220	Cubic Feet(CF)	31-Jan-19
0001563553	7440-59-7	Helium UHP	220	Cubic Feet(CF)	31-Jan-19
0001563551	7440-59-7	Helium UHP	220	Cubic Feet(CF)	31-Jan-19
0001563550	7440-59-7	Helium UHP	220	Cubic Feet(CF)	31-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001563549	7440-59-7	Helium UHP	220	Cubic Feet(CF)	31-Jan-19
0001563548	7440-59-7	Helium UHP	220	Cubic Feet(CF)	31-Jan-19
0001563547	7440-59-7	Helium UHP	220	Cubic Feet(CF)	31-Jan-19
0001563546	7440-59-7	Helium UHP	220	Cubic Feet(CF)	31-Jan-19
0001563545	7440-59-7	Helium UHP	220	Cubic Feet(CF)	31-Jan-19
0001563554	7440-59-7	Helium UHP	220	Cubic Feet(CF)	31-Jan-19
0001563568	7440-59-7	Helium UHP	220	Cubic Feet(CF)	31-Jan-19
0001563552	7440-59-7	Helium UHP	220	Cubic Feet(CF)	31-Jan-19
0001563569	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563595	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563604	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563603	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563602	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563601	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563600	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563599	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563598	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563587	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563596	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563608	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563594	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563593	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563592	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563591	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563590	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563589	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563588	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563597	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563617	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563627	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563626	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563625	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563624	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563623	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563622	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563621	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563620	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563605	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563618	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563606	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563616	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563615	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563614	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563613	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563612	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563611	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563610	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563607	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001563619	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563572	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563586	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563609	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563571	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563573	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563574	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563575	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563576	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563577	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563584	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563579	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563580	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563581	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563582	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563585	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563583	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563570	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563578	-	6% Hydrogen 94% Argon	220	Cubic Feet(CF)	31-Jan-19
0001563628	-	Nitrogen UHP	220	Cubic Feet(CF)	31-Jan-19
0001563629	-	Nitrogen UHP	220	Cubic Feet(CF)	31-Jan-19
0001563639	-	Nitrogen UHP	220	Cubic Feet(CF)	31-Jan-19
0001563632	-	Nitrogen UHP	220	Cubic Feet(CF)	31-Jan-19
0001563649	-	Nitrogen UHP	220	Cubic Feet(CF)	31-Jan-19
0001563633	-	Nitrogen UHP	220	Cubic Feet(CF)	31-Jan-19
0001563634	-	Nitrogen UHP	220	Cubic Feet(CF)	31-Jan-19
0001563635	-	Nitrogen UHP	220	Cubic Feet(CF)	31-Jan-19
0001563636	-	Nitrogen UHP	220	Cubic Feet(CF)	31-Jan-19
0001563637	-	Nitrogen UHP	220	Cubic Feet(CF)	31-Jan-19
0001563638	-	Nitrogen UHP	220	Cubic Feet(CF)	31-Jan-19
0001563631	-	Nitrogen UHP	220	Cubic Feet(CF)	31-Jan-19
0001563640	-	Nitrogen UHP	220	Cubic Feet(CF)	31-Jan-19
0001563641	-	Nitrogen UHP	220	Cubic Feet(CF)	31-Jan-19
0001563642	-	Nitrogen UHP	220	Cubic Feet(CF)	31-Jan-19
0001563643	-	Nitrogen UHP	220	Cubic Feet(CF)	31-Jan-19
0001563644	-	Nitrogen UHP	220	Cubic Feet(CF)	31-Jan-19
0001563645	-	Nitrogen UHP	220	Cubic Feet(CF)	31-Jan-19
0001563646	-	Nitrogen UHP	220	Cubic Feet(CF)	31-Jan-19
0001563648	-	Nitrogen UHP	220	Cubic Feet(CF)	31-Jan-19
0001563650	-	Nitrogen UHP	220	Cubic Feet(CF)	31-Jan-19
0001563651	-	Nitrogen UHP	220	Cubic Feet(CF)	31-Jan-19
0001563652	-	Nitrogen UHP	220	Cubic Feet(CF)	31-Jan-19
0001563647	-	Nitrogen UHP	220	Cubic Feet(CF)	31-Jan-19
0001563630	-	Nitrogen UHP	220	Cubic Feet(CF)	31-Jan-19
0001563653	-	95% NITROGEN/5% HYDROGEN	220	Cubic Feet(CF)	31-Jan-19
0001563654	-	95% NITROGEN/5% HYDROGEN	220	Cubic Feet(CF)	31-Jan-19
0001563655	-	95% NITROGEN/5% HYDROGEN	220	Cubic Feet(CF)	31-Jan-19
0001563656	-	95% NITROGEN/5% HYDROGEN	220	Cubic Feet(CF)	31-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001563657	7782-44-7	OXYGEN COMPRESSED GAS	220	Cubic Feet(CF)	31-Jan-19
0001563658	-	AIR COMPRESSED	220	Cubic Feet(CF)	31-Jan-19
0001563660	-	AIR COMPRESSED	220	Cubic Feet(CF)	31-Jan-19
0001563661	-	AIR COMPRESSED	220	Cubic Feet(CF)	31-Jan-19
0001563662	-	AIR COMPRESSED	220	Cubic Feet(CF)	31-Jan-19
0001563663	-	AIR COMPRESSED	220	Cubic Feet(CF)	31-Jan-19
0001563664	-	AIR COMPRESSED	220	Cubic Feet(CF)	31-Jan-19
0001563665	-	AIR COMPRESSED	220	Cubic Feet(CF)	31-Jan-19
0001563666	-	AIR COMPRESSED	220	Cubic Feet(CF)	31-Jan-19
0001563659	-	AIR COMPRESSED	220	Cubic Feet(CF)	31-Jan-19
0001563667	74-98-6	PROPANE	50	Pounds(LB)	31-Jan-19
0001563668	74-98-6	PROPANE	50	Pounds(LB)	31-Jan-19
0001563669	74-98-6	PROPANE	50	Pounds(LB)	31-Jan-19
0001563670	-	10% AMMONIA/BAL. HELIUM	40	Cubic Feet(CF)	31-Jan-19
0001516156	-	3M Novec 72DA Engineered Fluid	50	Pounds(LB)	31-Jan-19
0001516157	-	3M Novec 72DA Engineered Fluid	50	Pounds(LB)	31-Jan-19
0001516158	-	PermaTreat PC-510T	55	Gallon(GAL)	31-Jan-19
0001516417	-	VEROCLEAR RGD810	3.6	Kilograms(KG)	31-Jan-19
0001516424	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	31-Jan-19
0001516430	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	31-Jan-19
0001516425	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	31-Jan-19
0001516426	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	31-Jan-19
0001516427	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	31-Jan-19
0001516429	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	31-Jan-19
0001516431	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	31-Jan-19
0001516432	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	31-Jan-19
0001516433	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	31-Jan-19
0001516434	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	31-Jan-19
0001516435	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	31-Jan-19
0001516428	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	31-Jan-19
0001516436	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Gallon(GAL)	31-Jan-19
0001516438	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Gallon(GAL)	31-Jan-19
0001516437	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Gallon(GAL)	31-Jan-19
0001516439	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Gallon(GAL)	31-Jan-19
0001516440	-	MicroC 2000	265	Gallon(GAL)	31-Jan-19
0001516441	-	MicroC 2000	265	Gallon(GAL)	31-Jan-19
0001516442	-	MicroC 2000	265	Gallon(GAL)	31-Jan-19
0001516604	6108-17-4	LITHIUM ACETATE DIHYDRATE	1	Kilograms(KG)	31-Jan-19
0001516605	6108-17-4	LITHIUM ACETATE DIHYDRATE	1	Kilograms(KG)	31-Jan-19
0001516606	17831-71-9	TETRAETHYLENE GLYCOL DIACRYLATE	1	Liters(L)	31-Jan-19
0001516607	-	FOMBLIN Y-LVAC 06/6	8	Kilograms(KG)	31-Jan-19
0001516608	-	FOMBLIN Y-LVAC 06/6	8	Kilograms(KG)	31-Jan-19
0001516609	-	FMOC-LYS(MTT)-OH	25	Gram(GM)	31-Jan-19
0001516610	497-19-8	SODIUM CARBONATE ANHYDROUS	1	Kilograms(KG)	31-Jan-19
0001516611	10102-17-7	SODIUM THIOSULFATE PENTAHYDRATE	1	Kilograms(KG)	31-Jan-19
0001516612	10102-40-6	SODIUM MOLYBDATE(VI) DIHYDRATE	100	Gram(GM)	31-Jan-19
0001516613	67-64-1	ACETONE	100	Milliliter(ML)	31-Jan-19
0001516614	2867-47-2	DIMETHYLAMINOETHYL METHACRYLATE	100	Milliliter(ML)	31-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001516615	-	VACUUM PUMP OIL	1	Liters(L)	31-Jan-19
0001516616	-	VACUUM PUMP OIL	1	Liters(L)	31-Jan-19
0001516617	-	VACUUM PUMP OIL	1	Liters(L)	31-Jan-19
0001516618	141-43-5	ETHANOLAMINE	100	Milliliter(ML)	31-Jan-19
0001516619	104-57-4	Benzyl formate	100	Gram(GM)	31-Jan-19
0001516663	7647-01-0	HYDROCHLORIC ACID (HCL HYDROGEN	2.5	Liters(L)	31-Jan-19
0001516670	7647-01-0	HYDROCHLORIC ACID (HCL HYDROGEN	2.5	Liters(L)	31-Jan-19
0001516669	7647-01-0	HYDROCHLORIC ACID (HCL HYDROGEN	2.5	Liters(L)	31-Jan-19
0001516664	7647-01-0	HYDROCHLORIC ACID (HCL HYDROGEN	2.5	Liters(L)	31-Jan-19
0001516665	7647-01-0	HYDROCHLORIC ACID (HCL HYDROGEN	2.5	Liters(L)	31-Jan-19
0001516666	7647-01-0	HYDROCHLORIC ACID (HCL HYDROGEN	2.5	Liters(L)	31-Jan-19
0001516668	7647-01-0	HYDROCHLORIC ACID (HCL HYDROGEN	2.5	Liters(L)	31-Jan-19
0001516667	7647-01-0	HYDROCHLORIC ACID (HCL HYDROGEN	2.5	Liters(L)	31-Jan-19
0001516672	7647-01-0	HYDROCHLORIC ACID (HCL HYDROGEN	2.5	Liters(L)	31-Jan-19
0001516673	7647-01-0	HYDROCHLORIC ACID (HCL HYDROGEN	2.5	Liters(L)	31-Jan-19
0001516671	7647-01-0	HYDROCHLORIC ACID (HCL HYDROGEN	2.5	Liters(L)	31-Jan-19
0001516674	7647-01-0	HYDROCHLORIC ACID (HCL HYDROGEN	2.5	Liters(L)	31-Jan-19
0001516735	877-24-7	BUFFER PH 4 (RED BUFFER)	500	Milliliter(ML)	31-Jan-19
0001516743	877-24-7	BUFFER PH 4 (RED BUFFER)	500	Milliliter(ML)	31-Jan-19
0001516736	877-24-7	BUFFER PH 4 (RED BUFFER)	500	Milliliter(ML)	31-Jan-19
0001516737	877-24-7	BUFFER PH 4 (RED BUFFER)	500	Milliliter(ML)	31-Jan-19
0001516738	877-24-7	BUFFER PH 4 (RED BUFFER)	500	Milliliter(ML)	31-Jan-19
0001516739	877-24-7	BUFFER PH 4 (RED BUFFER)	500	Milliliter(ML)	31-Jan-19
0001516740	877-24-7	BUFFER PH 4 (RED BUFFER)	500	Milliliter(ML)	31-Jan-19
0001516742	877-24-7	BUFFER PH 4 (RED BUFFER)	500	Milliliter(ML)	31-Jan-19
0001516744	877-24-7	BUFFER PH 4 (RED BUFFER)	500	Milliliter(ML)	31-Jan-19
0001516745	877-24-7	BUFFER PH 4 (RED BUFFER)	500	Milliliter(ML)	31-Jan-19
0001516746	877-24-7	BUFFER PH 4 (RED BUFFER)	500	Milliliter(ML)	31-Jan-19
0001516741	877-24-7	BUFFER PH 4 (RED BUFFER)	500	Milliliter(ML)	31-Jan-19
0001516747	-	BUFFER PH 7.00	500	Milliliter(ML)	31-Jan-19
0001516762	-	BUFFER PH 7.00	500	Milliliter(ML)	31-Jan-19
0001516763	-	BUFFER PH 7.00	500	Milliliter(ML)	31-Jan-19
0001516752	-	BUFFER PH 7.00	500	Milliliter(ML)	31-Jan-19
0001516754	-	BUFFER PH 7.00	500	Milliliter(ML)	31-Jan-19
0001516755	-	BUFFER PH 7.00	500	Milliliter(ML)	31-Jan-19
0001516756	-	BUFFER PH 7.00	500	Milliliter(ML)	31-Jan-19
0001516757	-	BUFFER PH 7.00	500	Milliliter(ML)	31-Jan-19
0001516761	-	BUFFER PH 7.00	500	Milliliter(ML)	31-Jan-19
0001516760	-	BUFFER PH 7.00	500	Milliliter(ML)	31-Jan-19
0001516759	-	BUFFER PH 7.00	500	Milliliter(ML)	31-Jan-19
0001516750	-	BUFFER PH 7.00	500	Milliliter(ML)	31-Jan-19
0001516751	-	BUFFER PH 7.00	500	Milliliter(ML)	31-Jan-19
0001516758	-	BUFFER PH 7.00	500	Milliliter(ML)	31-Jan-19
0001516764	-	BUFFER PH 7.00	500	Milliliter(ML)	31-Jan-19
0001516748	-	BUFFER PH 7.00	500	Milliliter(ML)	31-Jan-19
0001516753	-	BUFFER PH 7.00	500	Milliliter(ML)	31-Jan-19
0001516749	-	BUFFER PH 7.00	500	Milliliter(ML)	31-Jan-19
0001516765	-	BUFFER PH 10 (BLUE BUFFER)	500	Milliliter(ML)	31-Jan-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001516776	-	BUFFER PH 10 (BLUE BUFFER)	500	Milliliter(ML)	31-Jan-19
0001516769	-	BUFFER PH 10 (BLUE BUFFER)	500	Milliliter(ML)	31-Jan-19
0001516770	-	BUFFER PH 10 (BLUE BUFFER)	500	Milliliter(ML)	31-Jan-19
0001516771	-	BUFFER PH 10 (BLUE BUFFER)	500	Milliliter(ML)	31-Jan-19
0001516772	-	BUFFER PH 10 (BLUE BUFFER)	500	Milliliter(ML)	31-Jan-19
0001516773	-	BUFFER PH 10 (BLUE BUFFER)	500	Milliliter(ML)	31-Jan-19
0001516768	-	BUFFER PH 10 (BLUE BUFFER)	500	Milliliter(ML)	31-Jan-19
0001516775	-	BUFFER PH 10 (BLUE BUFFER)	500	Milliliter(ML)	31-Jan-19
0001516779	-	BUFFER PH 10 (BLUE BUFFER)	500	Milliliter(ML)	31-Jan-19
0001516777	-	BUFFER PH 10 (BLUE BUFFER)	500	Milliliter(ML)	31-Jan-19
0001516778	-	BUFFER PH 10 (BLUE BUFFER)	500	Milliliter(ML)	31-Jan-19
0001516780	-	BUFFER PH 10 (BLUE BUFFER)	500	Milliliter(ML)	31-Jan-19
0001516782	-	BUFFER PH 10 (BLUE BUFFER)	500	Milliliter(ML)	31-Jan-19
0001516774	-	BUFFER PH 10 (BLUE BUFFER)	500	Milliliter(ML)	31-Jan-19
0001516766	-	BUFFER PH 10 (BLUE BUFFER)	500	Milliliter(ML)	31-Jan-19
0001516767	-	BUFFER PH 10 (BLUE BUFFER)	500	Milliliter(ML)	31-Jan-19
0001516781	-	BUFFER PH 10 (BLUE BUFFER)	500	Milliliter(ML)	31-Jan-19
0001516603	-	PLY-7601	1	Pint(PT)	31-Jan-19
0001574167	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	01-Feb-19
0001574173	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	01-Feb-19
0001574184	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	01-Feb-19
0001574186	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	01-Feb-19
0001574188	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	01-Feb-19
0001574183	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	01-Feb-19
0001574190	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	01-Feb-19
0001574185	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	01-Feb-19
0001574172	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	01-Feb-19
0001574171	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	01-Feb-19
0001574170	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	01-Feb-19
0001574169	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	01-Feb-19
0001574168	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	01-Feb-19
0001574189	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	01-Feb-19
0001574182	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	01-Feb-19
0001574175	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	01-Feb-19
0001574176	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	01-Feb-19
0001574177	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	01-Feb-19
0001574178	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	01-Feb-19
0001574179	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	01-Feb-19
0001574180	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	01-Feb-19
0001574181	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	01-Feb-19
0001574174	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	01-Feb-19
0001574187	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	01-Feb-19
0001574191	-	Chevron Heat Transfer Oil 46	55	Gallon(GAL)	01-Feb-19
0001573015	-	Motorcraft MERCON LV ATF	1	Quarts(QT)	01-Feb-19
0001573016	-	Motorcraft MERCON LV ATF	1	Quarts(QT)	01-Feb-19
0001573017	-	Motorcraft MERCON LV ATF	1	Quarts(QT)	01-Feb-19
0001516419	1310-58-3	POTASSIUM HYDROXIDE	1	Kilograms(KG)	04-Feb-19
0001516443	-	LEAD STANDARD	125	Milliliter(ML)	04-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001516620	77-92-9	CITRIC ACID	500	Gram(GM)	04-Feb-19
0001516621	6381-92-6	SOD ETLEDMINTETAC	100	Gram(GM)	04-Feb-19
0001516622	1078-97-3	1 4-Phenylenebis(chlorodimethylsilane)	5	Gram(GM)	04-Feb-19
0001516623	-	Polydisperse Particle Standard	5	Gram(GM)	04-Feb-19
0001516624	-	Polydisperse Particle Standard	5	Gram(GM)	04-Feb-19
0001516625	-	Polydisperse Particle Standard	5	Gram(GM)	04-Feb-19
0001516626	102691-36-1	2-CYANOETHYL N N N' N'-	1	Gram(GM)	04-Feb-19
0001516627	20666-12-0	Luminol sodium salt	1	Gram(GM)	04-Feb-19
0001516628	668-94-0	4 5-Diphenylimidazole	5	Gram(GM)	04-Feb-19
0001516629	120-51-4	BENZYL BENZOATE	250	Milliliter(ML)	04-Feb-19
0001516630	-	Wizard Plus S4 Minipreps DNA purification	500	Milliliter(ML)	04-Feb-19
0001516631	109-66-0	PENTANE ANHYDROUS	1	Liters(L)	04-Feb-19
0001516632	10025-87-3	PHOSPHORUS OXYCHLORIDE	250	Gram(GM)	04-Feb-19
0001516633	67-64-1	ACETONE REAGENT ACS	4	Liters(L)	04-Feb-19
0001516634	67-64-1	ACETONE REAGENT ACS	4	Liters(L)	04-Feb-19
0001516635	67-64-1	ACETONE REAGENT ACS	4	Liters(L)	04-Feb-19
0001516636	67-64-1	ACETONE REAGENT ACS	4	Liters(L)	04-Feb-19
0001516637	1513-65-1	2 6-Difluoropyridine	25	Gram(GM)	04-Feb-19
0001516638	1513-65-1	2 6-Difluoropyridine	25	Gram(GM)	04-Feb-19
0001516639	112-88-9	1-OCTADECENE	1	Liters(L)	04-Feb-19
0001516640	112-88-9	1-OCTADECENE	1	Liters(L)	04-Feb-19
0001516641	14965-49-2	Methylammonium iodide	5	Gram(GM)	04-Feb-19
0001516642	1317-36-8	LEAD(II) OXIDE	10	Gram(GM)	04-Feb-19
0001516643	1317-36-8	LEAD(II) OXIDE	10	Gram(GM)	04-Feb-19
0001516644	10031-22-8	Lead(II) bromide	5	Gram(GM)	04-Feb-19
0001516645	10031-22-8	Lead(II) bromide	5	Gram(GM)	04-Feb-19
0001516646	10031-22-8	Lead(II) bromide	5	Gram(GM)	04-Feb-19
0001516647	10031-22-8	Lead(II) bromide	5	Gram(GM)	04-Feb-19
0001516648	67-64-1	ACETONE REAGENT ACS	1	Liters(L)	04-Feb-19
0001516681	67-64-1	ACETONE	4	Liters(L)	04-Feb-19
0001516685	67-64-1	ACETONE	4	Liters(L)	04-Feb-19
0001516690	67-64-1	ACETONE	4	Liters(L)	04-Feb-19
0001516689	67-64-1	ACETONE	4	Liters(L)	04-Feb-19
0001516688	67-64-1	ACETONE	4	Liters(L)	04-Feb-19
0001516687	67-64-1	ACETONE	4	Liters(L)	04-Feb-19
0001516682	67-64-1	ACETONE	4	Liters(L)	04-Feb-19
0001516684	67-64-1	ACETONE	4	Liters(L)	04-Feb-19
0001516691	67-64-1	ACETONE	4	Liters(L)	04-Feb-19
0001516683	67-64-1	ACETONE	4	Liters(L)	04-Feb-19
0001516686	67-64-1	ACETONE	4	Liters(L)	04-Feb-19
0001516692	67-64-1	ACETONE	4	Liters(L)	04-Feb-19
0001516693	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	04-Feb-19
0001516709	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	04-Feb-19
0001516715	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	04-Feb-19
0001516714	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	04-Feb-19
0001516713	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	04-Feb-19
0001516716	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	04-Feb-19
0001516712	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	04-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001516710	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	04-Feb-19
0001516708	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	04-Feb-19
0001516707	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	04-Feb-19
0001516706	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	04-Feb-19
0001516705	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	04-Feb-19
0001516704	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	04-Feb-19
0001516717	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	04-Feb-19
0001516711	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	04-Feb-19
0001516703	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	04-Feb-19
0001516695	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	04-Feb-19
0001516694	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	04-Feb-19
0001516697	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	04-Feb-19
0001516698	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	04-Feb-19
0001516699	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	04-Feb-19
0001516700	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	04-Feb-19
0001516701	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	04-Feb-19
0001516702	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	04-Feb-19
0001516696	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	04-Feb-19
0001574194	-	Refrigerant 22	30	Pounds(LB)	04-Feb-19
V000002099	-	DAP 100% SILICONE RUBBER SEALANT CLEAR	14	Ounces(OZ)	04-Feb-19
V00000209C	-	DAP 100% SILICONE RUBBER SEALANT CLEAR	14	Ounces(OZ)	04-Feb-19
V00000209B	-	DAP 100% SILICONE RUBBER SEALANT CLEAR	14	Ounces(OZ)	04-Feb-19
V00000209A	-	DAP 100% SILICONE RUBBER SEALANT CLEAR	14	Ounces(OZ)	04-Feb-19
V000002097	-	DAP 100% SILICONE RUBBER SEALANT CLEAR	14	Ounces(OZ)	04-Feb-19
V000002095	-	DAP 100% SILICONE RUBBER SEALANT CLEAR	14	Ounces(OZ)	04-Feb-19
V000002098	-	DAP 100% SILICONE RUBBER SEALANT CLEAR	14	Ounces(OZ)	04-Feb-19
V000002096	-	DAP 100% SILICONE RUBBER SEALANT CLEAR	14	Ounces(OZ)	04-Feb-19
0001574192	-	MARKING PAINT FLUORESCENT ORANGE	15	Ounces(OZ)	04-Feb-19
0001574193	-	MARKING PAINT FLUORESCENT ORANGE	15	Ounces(OZ)	04-Feb-19
0001516444	-	FORMULA 1015-L	55	Gallon(GAL)	04-Feb-19
0001516650	64-18-6	FORMIC ACID	50	Milliliter(ML)	04-Feb-19
0001516651	4472-41-7	N N-DIMETHYLFORMAMIDE-D7	5	Gram(GM)	04-Feb-19
0001516652	7647-10-1	PALLADIUM(II) CHLORIDE	5	Gram(GM)	04-Feb-19
0001516653	26628-22-8	Agencourt AMPure XP	60	Milliliter(ML)	04-Feb-19
0001516655	64-17-5	ETHANOL 200 PROOF	20	Liters(L)	04-Feb-19
0001516656	119478-56-7	Meropenem trihydrate	50	Milligram(MG)	04-Feb-19
0001516657	67-68-5	Quant-iT dsDNA Assay Kit high sensitivity	255	Milliliter(ML)	04-Feb-19
0001516658	-	DGA Resin Normal	50	Gram(GM)	04-Feb-19
0001516659	53100-44-0	Boc-Pyr-OH	5	Gram(GM)	04-Feb-19
0001516660	53100-44-0	Boc-Pyr-OH	5	Gram(GM)	04-Feb-19
0001516661	27607-77-8	TRIMETHYLSILYLTRIFLUOROMETHANESULFONAT	10	Gram(GM)	04-Feb-19
0001516662	27607-77-8	TRIMETHYLSILYLTRIFLUOROMETHANESULFONAT	10	Gram(GM)	04-Feb-19
0001516718	-	Phusion* Hot Start II High-Fidelity DNA	200	Milliliter(ML)	04-Feb-19
0001516720	-	Phusion* Hot Start II High-Fidelity DNA	200	Milliliter(ML)	04-Feb-19
0001516719	-	Phusion* Hot Start II High-Fidelity DNA	200	Milliliter(ML)	04-Feb-19
0001516721	-	POP-7 Polymer for 3130/3130xl Genetic	3.5	Milliliter(ML)	04-Feb-19
0001516722	-	POP-7 Polymer for 3130/3130xl Genetic	3.5	Milliliter(ML)	04-Feb-19
0001516723	-	POP-7 Polymer for 3130/3130xl Genetic	3.5	Milliliter(ML)	04-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001516807	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	04-Feb-19
0001516822	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	04-Feb-19
0001516821	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	04-Feb-19
0001516819	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	04-Feb-19
0001516817	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	04-Feb-19
0001516816	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	04-Feb-19
0001516815	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	04-Feb-19
0001516814	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	04-Feb-19
0001516813	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	04-Feb-19
0001516823	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	04-Feb-19
0001516811	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	04-Feb-19
0001516820	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	04-Feb-19
0001516810	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	04-Feb-19
0001516809	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	04-Feb-19
0001516808	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	04-Feb-19
0001516812	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	04-Feb-19
0001516825	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	04-Feb-19
0001516826	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	04-Feb-19
0001516818	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	04-Feb-19
0001516827	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	04-Feb-19
0001516828	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	04-Feb-19
0001516829	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	04-Feb-19
0001516824	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	04-Feb-19
0001516830	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	04-Feb-19
0001516831	1633-05-2	STRONTIUM CARBONATE	1	Kilograms(KG)	04-Feb-19
0001516832	326-91-0	THENOYLTRIFLUOROACETONE	25	Gram(GM)	04-Feb-19
0001516833	326-91-0	THENOYLTRIFLUOROACETONE	25	Gram(GM)	04-Feb-19
0001516834	42573-57-9	2-(4-Methoxystyryl)-4 6-bis(trichloromethyl)-1 3	5	Gram(GM)	04-Feb-19
0001516879	811-97-2	DUSTER	10	Ounces(OZ)	04-Feb-19
0001516887	811-97-2	DUSTER	10	Ounces(OZ)	04-Feb-19
0001516894	811-97-2	DUSTER	10	Ounces(OZ)	04-Feb-19
0001516900	811-97-2	DUSTER	10	Ounces(OZ)	04-Feb-19
0001516899	811-97-2	DUSTER	10	Ounces(OZ)	04-Feb-19
0001516898	811-97-2	DUSTER	10	Ounces(OZ)	04-Feb-19
0001516880	811-97-2	DUSTER	10	Ounces(OZ)	04-Feb-19
0001516897	811-97-2	DUSTER	10	Ounces(OZ)	04-Feb-19
0001516896	811-97-2	DUSTER	10	Ounces(OZ)	04-Feb-19
0001516895	811-97-2	DUSTER	10	Ounces(OZ)	04-Feb-19
0001516902	811-97-2	DUSTER	10	Ounces(OZ)	04-Feb-19
0001516901	811-97-2	DUSTER	10	Ounces(OZ)	04-Feb-19
0001516881	811-97-2	DUSTER	10	Ounces(OZ)	04-Feb-19
0001516893	811-97-2	DUSTER	10	Ounces(OZ)	04-Feb-19
0001516892	811-97-2	DUSTER	10	Ounces(OZ)	04-Feb-19
0001516891	811-97-2	DUSTER	10	Ounces(OZ)	04-Feb-19
0001516886	811-97-2	DUSTER	10	Ounces(OZ)	04-Feb-19
0001516888	811-97-2	DUSTER	10	Ounces(OZ)	04-Feb-19
0001516885	811-97-2	DUSTER	10	Ounces(OZ)	04-Feb-19
0001516884	811-97-2	DUSTER	10	Ounces(OZ)	04-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001516890	811-97-2	DUSTER	10	Ounces(OZ)	04-Feb-19
0001516883	811-97-2	DUSTER	10	Ounces(OZ)	04-Feb-19
0001516889	811-97-2	DUSTER	10	Ounces(OZ)	04-Feb-19
0001516882	811-97-2	DUSTER	10	Ounces(OZ)	04-Feb-19
0001516903	-	CELLGRO (ALPHA MODIFICATION OF EAGLE'S	500	Milliliter(ML)	04-Feb-19
0001516908	-	CELLGRO (ALPHA MODIFICATION OF EAGLE'S	500	Milliliter(ML)	04-Feb-19
0001516912	-	CELLGRO (ALPHA MODIFICATION OF EAGLE'S	500	Milliliter(ML)	04-Feb-19
0001516911	-	CELLGRO (ALPHA MODIFICATION OF EAGLE'S	500	Milliliter(ML)	04-Feb-19
0001516913	-	CELLGRO (ALPHA MODIFICATION OF EAGLE'S	500	Milliliter(ML)	04-Feb-19
0001516910	-	CELLGRO (ALPHA MODIFICATION OF EAGLE'S	500	Milliliter(ML)	04-Feb-19
0001516914	-	CELLGRO (ALPHA MODIFICATION OF EAGLE'S	500	Milliliter(ML)	04-Feb-19
0001516904	-	CELLGRO (ALPHA MODIFICATION OF EAGLE'S	500	Milliliter(ML)	04-Feb-19
0001516906	-	CELLGRO (ALPHA MODIFICATION OF EAGLE'S	500	Milliliter(ML)	04-Feb-19
0001516905	-	CELLGRO (ALPHA MODIFICATION OF EAGLE'S	500	Milliliter(ML)	04-Feb-19
0001516909	-	CELLGRO (ALPHA MODIFICATION OF EAGLE'S	500	Milliliter(ML)	04-Feb-19
0001516907	-	CELLGRO (ALPHA MODIFICATION OF EAGLE'S	500	Milliliter(ML)	04-Feb-19
0001458201	10101-41-4	CALCIUM SULFATE	4	Pounds(LB)	04-Feb-19
0001458200	57-13-6	UREA	4	Pounds(LB)	04-Feb-19
0001458199	57-13-6	UREA	4	Pounds(LB)	04-Feb-19
0001458202	7664-93-9	SULFURIC ACID	16	Ounces(OZ)	04-Feb-19
0001458203	7664-93-9	SULFURIC ACID	16	Ounces(OZ)	04-Feb-19
0001458204	7664-93-9	SULFURIC ACID	16	Ounces(OZ)	04-Feb-19
0001458217	7664-93-9	SULFURIC ACID	1	Pint(PT)	04-Feb-19
0001458220	7664-93-9	SULFURIC ACID	1	Pint(PT)	04-Feb-19
0001458219	7664-93-9	SULFURIC ACID	1	Pint(PT)	04-Feb-19
0001458218	7664-93-9	SULFURIC ACID	1	Pint(PT)	04-Feb-19
0001458221	7664-93-9	SULFURIC ACID	1	Pint(PT)	04-Feb-19
0001458222	10124-37-5	CALCIUM NITRATE	4	Pounds(LB)	04-Feb-19
0001458223	10124-37-5	CALCIUM NITRATE	4	Pounds(LB)	04-Feb-19
0001458224	7778-54-3	CALCIUM HYPOCHLORITE	13.3	Ounces(OZ)	04-Feb-19
0001458227	7778-54-3	CALCIUM HYPOCHLORITE	13.3	Ounces(OZ)	04-Feb-19
0001458225	7778-54-3	CALCIUM HYPOCHLORITE	13.3	Ounces(OZ)	04-Feb-19
0001458226	7778-54-3	CALCIUM HYPOCHLORITE	13.3	Ounces(OZ)	04-Feb-19
0001500474	-	LPS 1 GREASELESS LUBRICANT	11	Ounces(OZ)	05-Feb-19
0001500475	-	LPS 1 GREASELESS LUBRICANT	11	Ounces(OZ)	05-Feb-19
0001500476	-	LPS 1 GREASELESS LUBRICANT	11	Ounces(OZ)	05-Feb-19
0001500473	-	LPS 1 GREASELESS LUBRICANT	11	Ounces(OZ)	05-Feb-19
0001500469	-	LPS 1 GREASELESS LUBRICANT	11	Ounces(OZ)	05-Feb-19
0001500472	-	LPS 1 GREASELESS LUBRICANT	11	Ounces(OZ)	05-Feb-19
0001500471	-	LPS 1 GREASELESS LUBRICANT	11	Ounces(OZ)	05-Feb-19
0001500470	-	LPS 1 GREASELESS LUBRICANT	11	Ounces(OZ)	05-Feb-19
0001501674	-	SOLVENT CEMENT FOR PVC	32	Ounces(OZ)	05-Feb-19
0001501678	-	FLOOR PATCH RENEWAL COMPOSITE	10	Pounds(LB)	05-Feb-19
0001501683	-	FLOOR PATCH RENEWAL COMPOSITE	10	Pounds(LB)	05-Feb-19
0001501684	-	FLOOR PATCH RENEWAL COMPOSITE	10	Pounds(LB)	05-Feb-19
0001501682	-	FLOOR PATCH RENEWAL COMPOSITE	10	Pounds(LB)	05-Feb-19
0001501681	-	FLOOR PATCH RENEWAL COMPOSITE	10	Pounds(LB)	05-Feb-19
0001501680	-	FLOOR PATCH RENEWAL COMPOSITE	10	Pounds(LB)	05-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001501679	-	FLOOR PATCH RENEWAL COMPOSITE	10	Pounds(LB)	05-Feb-19
0001501685	-	FLOOR PATCH RENEWAL COMPOSITE	10	Pounds(LB)	05-Feb-19
0001501686	-	HENRY 440 Cove Base Adhesive	1	Gallon(GAL)	05-Feb-19
0001573018	-	Chem-Dip Carburetor & Parts Cleaner	1	Gallon(GAL)	05-Feb-19
0001573019	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	05-Feb-19
0001573027	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	05-Feb-19
0001573022	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	05-Feb-19
0001573028	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	05-Feb-19
0001573026	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	05-Feb-19
0001573025	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	05-Feb-19
0001573023	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	05-Feb-19
0001573020	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	05-Feb-19
0001573024	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	05-Feb-19
0001573029	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	05-Feb-19
0001573021	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	05-Feb-19
0001501687	-	HENRY 430	4	Gallon(GAL)	05-Feb-19
0001501676	-	FIREFIGHTER GL48	5	Gallon(GAL)	05-Feb-19
0001501677	-	FIREFIGHTER GL48	5	Gallon(GAL)	05-Feb-19
0001386324	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	05-Feb-19
0001501656	-	fast setting cement	50	Pounds(LB)	05-Feb-19
0001501659	-	fast setting cement	50	Pounds(LB)	05-Feb-19
0001501660	-	fast setting cement	50	Pounds(LB)	05-Feb-19
0001501661	-	fast setting cement	50	Pounds(LB)	05-Feb-19
0001501663	-	fast setting cement	50	Pounds(LB)	05-Feb-19
0001501664	-	fast setting cement	50	Pounds(LB)	05-Feb-19
0001501665	-	fast setting cement	50	Pounds(LB)	05-Feb-19
0001501662	-	fast setting cement	50	Pounds(LB)	05-Feb-19
0001501658	-	fast setting cement	50	Pounds(LB)	05-Feb-19
0001501657	-	fast setting cement	50	Pounds(LB)	05-Feb-19
0001501549	-	fast setting cement	50	Pounds(LB)	05-Feb-19
0001501555	-	fast setting cement	50	Pounds(LB)	05-Feb-19
0001501557	-	fast setting cement	50	Pounds(LB)	05-Feb-19
0001501558	-	fast setting cement	50	Pounds(LB)	05-Feb-19
0001501556	-	fast setting cement	50	Pounds(LB)	05-Feb-19
0001501553	-	fast setting cement	50	Pounds(LB)	05-Feb-19
0001501552	-	fast setting cement	50	Pounds(LB)	05-Feb-19
0001501551	-	fast setting cement	50	Pounds(LB)	05-Feb-19
0001501550	-	fast setting cement	50	Pounds(LB)	05-Feb-19
0001501554	-	fast setting cement	50	Pounds(LB)	05-Feb-19
0001563671	-	35PPM CARBON MONOXIDE IN AIR	3.7	Cubic Feet(CF)	06-Feb-19
0001563672	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Cubic Feet(CF)	06-Feb-19
0001563673	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Cubic Feet(CF)	06-Feb-19
0001516445	-	CimCool CIMPERIAL 1070	5	Gallon(GAL)	06-Feb-19
0001516446	-	CIMCLEAN 40	5	Gallon(GAL)	06-Feb-19
0001516724	-	VITA-D-CHLOR SLO-TABS	35	Pounds(LB)	06-Feb-19
0001516726	-	VITA-D-CHLOR SLO-TABS	35	Pounds(LB)	06-Feb-19
0001516725	-	VITA-D-CHLOR SLO-TABS	35	Pounds(LB)	06-Feb-19
0001516727	-	VITA-D-CHLOR SLO-TABS	35	Pounds(LB)	06-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001516728	-	VITA-D-CHLOR SLO-TABS	35	Pounds(LB)	06-Feb-19
0001516729	-	VITA-D-CHLOR SLO-TABS	35	Pounds(LB)	06-Feb-19
0001516835	10102-18-8	SODIUM SELENITE	100	Gram(GM)	06-Feb-19
0001516846	-	RTV SILICONE ELASTOMER PART A	100	Gram(GM)	06-Feb-19
0001516847	7040-52-0	Cyclohexyl methyl methylphosphonate	500	Milligram(MG)	06-Feb-19
0001516848	108-87-2	METHYLCYCLOHEXANE	1	Liters(L)	06-Feb-19
0001516849	142-62-1	HEXANOIC ACID	250	Milliliter(ML)	06-Feb-19
0001516850	142-62-1	HEXANOIC ACID	250	Milliliter(ML)	06-Feb-19
0001516851	13689-19-5	TRICYCLOHEXYLPHOSPHINE OXIDE	5	Gram(GM)	06-Feb-19
0001516852	-	LOCTITE SUPER GLUE	1	Ounces(OZ)	06-Feb-19
0001516853	16674-78-5	MAGNESIUM ACETATE TETRAHYDRATE	25	Gram(GM)	06-Feb-19
0001516854	-	MANGANESE(II) ACETATE TETRAHYDRATE	5	Gram(GM)	06-Feb-19
0001516855	7790-33-2	Manganese (II) iodide anhydrous	5	Gram(GM)	06-Feb-19
0001516856	-	5 MINUTE EPOXY	25	Milliliter(ML)	06-Feb-19
0001516862	-	5 MINUTE EPOXY	25	Milliliter(ML)	06-Feb-19
0001516861	-	5 MINUTE EPOXY	25	Milliliter(ML)	06-Feb-19
0001516860	-	5 MINUTE EPOXY	25	Milliliter(ML)	06-Feb-19
0001516859	-	5 MINUTE EPOXY	25	Milliliter(ML)	06-Feb-19
0001516858	-	5 MINUTE EPOXY	25	Milliliter(ML)	06-Feb-19
0001516857	-	5 MINUTE EPOXY	25	Milliliter(ML)	06-Feb-19
0001516865	-	5 MINUTE EPOXY	25	Milliliter(ML)	06-Feb-19
0001516864	-	5 MINUTE EPOXY	25	Milliliter(ML)	06-Feb-19
0001516863	-	5 MINUTE EPOXY	25	Milliliter(ML)	06-Feb-19
0001516866	-	DOUBLE-BUBBLE EPOXY	350	Gram(GM)	06-Feb-19
0001516867	10035-01-5	YTTERBIUM (III) CHLORIDE HEXAHYDRATE	10	Gram(GM)	06-Feb-19
0001516868	-	MANGANESE(II) ACETATE TETRAHYDRATE	5	Gram(GM)	06-Feb-19
0001516869	10026-22-9	COBALT (II) NITRATE HEXAHYDRATE	100	Gram(GM)	06-Feb-19
0001516951	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	06-Feb-19
0001516965	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	06-Feb-19
0001516970	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	06-Feb-19
0001516969	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	06-Feb-19
0001516968	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	06-Feb-19
0001516966	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	06-Feb-19
0001516964	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	06-Feb-19
0001516963	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	06-Feb-19
0001516962	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	06-Feb-19
0001516961	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	06-Feb-19
0001516960	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	06-Feb-19
0001516953	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	06-Feb-19
0001516967	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	06-Feb-19
0001516959	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	06-Feb-19
0001516952	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	06-Feb-19
0001516954	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	06-Feb-19
0001516955	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	06-Feb-19
0001516956	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	06-Feb-19
0001516957	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	06-Feb-19
0001516958	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	06-Feb-19
V0000020EE	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V0000020E8	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020E9	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020EA	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020EB	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020ED	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020E4	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020EF	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020F0	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020F1	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020F2	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020EC	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020E7	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020E5	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020E3	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020DC	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020E2	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020DD	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020E1	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020E0	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020DF	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020DE	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002108	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020F3	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020E6	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002100	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020CA	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020DB	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000210C	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000210B	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000210A	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002109	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002107	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002105	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002104	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002103	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002106	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002101	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020F4	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020FF	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020FE	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020FD	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020FC	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020FB	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020FA	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020F9	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020F8	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020F7	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020F6	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V0000020F5	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002102	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020B3	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020BF	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020BE	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020BD	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020BC	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020BB	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020BA	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020B9	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020B8	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020B7	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020B6	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020C0	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020B4	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020AC	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020B2	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020B1	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020B0	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020AF	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020AE	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020AD	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020DA	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020AB	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020CC	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020A9	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020B5	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020D5	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020AA	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020C1	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020D9	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020D8	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020D6	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020D4	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020D3	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020D2	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020D1	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020D0	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020CF	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020CE	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020C6	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020C3	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020D7	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020CD	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020C2	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020C4	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020C5	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020C7	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V0000020C8	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020C9	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000020CB	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002122	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000212C	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002126	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002124	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002121	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002125	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002120	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002123	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002127	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002128	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002129	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000212B	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000212D	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000212E	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000211F	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002116	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002130	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000212F	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000212A	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002110	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000210D	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002118	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000210F	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000211E	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002111	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002112	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002113	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002115	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002117	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002119	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000211A	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000211B	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000211C	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000211D	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002114	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000210E	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000213A	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	06-Feb-19
V00000213B	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	06-Feb-19
V00000213C	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	06-Feb-19
V00000213D	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	06-Feb-19
V000002144	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	06-Feb-19
V00000213F	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	06-Feb-19
V000002143	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	06-Feb-19
V000002141	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	06-Feb-19
V00000213E	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	06-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002142	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	06-Feb-19
V000002139	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	06-Feb-19
V000002138	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	06-Feb-19
V000002137	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	06-Feb-19
V000002136	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	06-Feb-19
V000002135	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	06-Feb-19
V000002134	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	06-Feb-19
V000002133	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	06-Feb-19
V000002132	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	06-Feb-19
V000002131	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	06-Feb-19
V000002140	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	06-Feb-19
V000002186	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002187	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002188	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002189	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000218A	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000218B	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000218C	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000218D	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002185	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000218F	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000217E	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000218E	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002184	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002183	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002182	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002181	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002190	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000217F	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002196	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000217D	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000217C	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000217B	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002179	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002177	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002180	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000219C	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000021A8	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000021A7	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000021A6	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000021A5	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000021A4	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000021A3	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000021A2	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000021A1	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000021A0	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000219F	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002194	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V00000219D	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002191	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000219B	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000219A	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002199	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002198	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002197	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002178	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002195	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002176	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002193	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002192	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000219E	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002150	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000215C	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000215B	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000215A	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002159	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002158	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002175	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002156	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000217A	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002154	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002153	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000215D	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002151	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002157	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000214F	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000214E	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000214D	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000214C	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000214B	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000214A	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002149	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002148	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002147	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002146	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002145	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002152	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002171	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002174	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002173	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002155	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002172	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000215E	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002170	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000216F	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000216E	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V00000216D	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000216C	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000216B	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002161	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000216A	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V00000215F	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002160	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002162	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002163	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002164	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002165	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002166	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002167	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002168	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V000002169	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000021C4	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000021BF	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000021BA	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000021BB	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000021BC	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000021BD	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000021BE	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000021B9	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000021C6	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000021C0	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000021C5	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000021C1	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000021B8	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000021C3	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000021AD	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000021C2	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000021AC	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000021B7	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000021AF	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000021A9	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000021AB	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000021AE	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000021B0	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000021B1	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000021B2	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000021B3	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000021B4	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000021B5	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000021B6	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000021AA	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-Feb-19
V0000021C9	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	06-Feb-19
V0000021CD	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	06-Feb-19
V0000021D1	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	06-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V0000021D0	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	06-Feb-19
V0000021CF	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	06-Feb-19
V0000021CE	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	06-Feb-19
V0000021CA	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	06-Feb-19
V0000021C8	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	06-Feb-19
V0000021C7	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	06-Feb-19
V0000021CC	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	06-Feb-19
V0000021CB	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	06-Feb-19
V0000021E8	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	06-Feb-19
V0000021DF	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	06-Feb-19
V0000021E1	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	06-Feb-19
V0000021E2	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	06-Feb-19
V0000021E3	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	06-Feb-19
V0000021E4	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	06-Feb-19
V0000021E5	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	06-Feb-19
V0000021E7	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	06-Feb-19
V0000021E9	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	06-Feb-19
V0000021DE	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	06-Feb-19
V0000021DD	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	06-Feb-19
V0000021E6	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	06-Feb-19
V0000021E0	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	06-Feb-19
V0000021DB	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	06-Feb-19
V0000021DC	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	06-Feb-19
V0000021DA	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	06-Feb-19
V0000021D9	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	06-Feb-19
V0000021D8	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	06-Feb-19
V0000021D7	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	06-Feb-19
V0000021D6	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	06-Feb-19
V0000021D5	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	06-Feb-19
V0000021D4	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	06-Feb-19
V0000021D3	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	06-Feb-19
V0000021D2	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	06-Feb-19
V0000021EA	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	06-Feb-19
V0000021EB	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	06-Feb-19
V0000021EC	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	06-Feb-19
0001573030	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	06-Feb-19
0001573055	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	06-Feb-19
0001573045	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	06-Feb-19
0001573051	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	06-Feb-19
0001573054	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	06-Feb-19
0001573053	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	06-Feb-19
0001573052	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	06-Feb-19
0001573050	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	06-Feb-19
0001573049	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	06-Feb-19
0001573048	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	06-Feb-19
0001573046	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	06-Feb-19
0001573065	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	06-Feb-19
0001573047	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	06-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001573056	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	06-Feb-19
0001573057	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	06-Feb-19
0001573058	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	06-Feb-19
0001573059	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	06-Feb-19
0001573060	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	06-Feb-19
0001573061	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	06-Feb-19
0001573062	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	06-Feb-19
0001573044	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	06-Feb-19
0001573064	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	06-Feb-19
0001573039	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	06-Feb-19
0001573066	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	06-Feb-19
0001573067	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	06-Feb-19
0001573063	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	06-Feb-19
0001573034	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	06-Feb-19
0001573041	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	06-Feb-19
0001573031	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	06-Feb-19
0001573043	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	06-Feb-19
0001573033	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	06-Feb-19
0001573035	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	06-Feb-19
0001573036	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	06-Feb-19
0001573037	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	06-Feb-19
0001573038	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	06-Feb-19
0001573040	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	06-Feb-19
0001573042	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	06-Feb-19
0001573032	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	06-Feb-19
0001573068	-	CAT DEO-ULS COLD WEATHER 0W-40	1	Gallon(GAL)	06-Feb-19
0001573078	-	CAT DEO-ULS COLD WEATHER 0W-40	1	Gallon(GAL)	06-Feb-19
0001573070	-	CAT DEO-ULS COLD WEATHER 0W-40	1	Gallon(GAL)	06-Feb-19
0001573069	-	CAT DEO-ULS COLD WEATHER 0W-40	1	Gallon(GAL)	06-Feb-19
0001573081	-	CAT DEO-ULS COLD WEATHER 0W-40	1	Gallon(GAL)	06-Feb-19
0001573079	-	CAT DEO-ULS COLD WEATHER 0W-40	1	Gallon(GAL)	06-Feb-19
0001573071	-	CAT DEO-ULS COLD WEATHER 0W-40	1	Gallon(GAL)	06-Feb-19
0001573076	-	CAT DEO-ULS COLD WEATHER 0W-40	1	Gallon(GAL)	06-Feb-19
0001573075	-	CAT DEO-ULS COLD WEATHER 0W-40	1	Gallon(GAL)	06-Feb-19
0001573074	-	CAT DEO-ULS COLD WEATHER 0W-40	1	Gallon(GAL)	06-Feb-19
0001573073	-	CAT DEO-ULS COLD WEATHER 0W-40	1	Gallon(GAL)	06-Feb-19
0001573072	-	CAT DEO-ULS COLD WEATHER 0W-40	1	Gallon(GAL)	06-Feb-19
0001573077	-	CAT DEO-ULS COLD WEATHER 0W-40	1	Gallon(GAL)	06-Feb-19
0001573080	-	CAT DEO-ULS COLD WEATHER 0W-40	1	Gallon(GAL)	06-Feb-19
0001574195	-	CRC BRAKLEEN BRAKE CLEANER	14	Ounces(OZ)	06-Feb-19
0001574196	-	Brakleen Brake Parts Cleaner	14	Ounces(OZ)	06-Feb-19
0001574197	-	DOT 4 BRAKE FLUID	32	Ounces(OZ)	06-Feb-19
0001574198	-	Parts Plus Type F ATF	1	Quarts(QT)	06-Feb-19
0001574199	-	POWER STEERING FLUID	1	Quarts(QT)	06-Feb-19
0001516730	591778-70-0	CP-640186 hydrochloride	5	Milligram(MG)	06-Feb-19
0001516731	24937-79-9	POLYVINYLIDENE FLUORIDE	250	Gram(GM)	06-Feb-19
0001516733	24937-79-9	POLYVINYLIDENE FLUORIDE	250	Gram(GM)	06-Feb-19
0001516732	24937-79-9	POLYVINYLIDENE FLUORIDE	250	Gram(GM)	06-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001516734	126-73-8	TRIBUTYL PHOSPHATE	1	Liters(L)	06-Feb-19
0001516870	123-86-4	N-BUTYL ACETATE	4	Liters(L)	06-Feb-19
0001516873	123-86-4	N-BUTYL ACETATE	4	Liters(L)	06-Feb-19
0001516871	123-86-4	N-BUTYL ACETATE	4	Liters(L)	06-Feb-19
0001516872	123-86-4	N-BUTYL ACETATE	4	Liters(L)	06-Feb-19
0001516874	109-99-9	TETRAHYDROFURAN ANHYDROUS 99.9%	1	Liters(L)	06-Feb-19
0001516875	108-88-3	TOLUENE ANHYDROUS	1	Liters(L)	06-Feb-19
0001516876	110-82-7	CYCLOHEXANE	4	Liters(L)	06-Feb-19
0001516877	110-82-7	CYCLOHEXANE	4	Liters(L)	06-Feb-19
0001516878	2052-49-5	TETRABUTYLAMMONIUM HYDROXIDE	1	Liters(L)	06-Feb-19
0001516915	-	OP-S SUSPENSION	1	Liters(L)	06-Feb-19
0001516918	-	OP-S SUSPENSION	1	Liters(L)	06-Feb-19
0001516917	-	OP-S SUSPENSION	1	Liters(L)	06-Feb-19
0001516916	-	OP-S SUSPENSION	1	Liters(L)	06-Feb-19
0001386329	-	3% Oxygen/Bal. Nitrogen	40	Cubic Feet(CF)	06-Feb-19
0001517046	24057-28-1	PYRIDINIUM P-TOLUENESULFONATE 98%	25	Gram(GM)	06-Feb-19
0001517047	-	4-HEPTANONE	100	Liters(L)	06-Feb-19
0001517048	3283-12-3	Dimethylphosphinic acid	500	Milligram(MG)	06-Feb-19
0001517049	39466-62-1	AMMONIUM-15N CHLORIDE	250	Milligram(MG)	06-Feb-19
0001517050	39466-62-1	AMMONIUM-15N CHLORIDE	250	Milligram(MG)	06-Feb-19
0001517053	1314-13-2	Silicon Thermal Comp #111	2	Ounces(OZ)	06-Feb-19
0001517055	67-56-1	METHANOL HPLC	1	Liters(L)	06-Feb-19
0001517056	67-56-1	METHANOL HPLC	1	Liters(L)	06-Feb-19
0001517057	67-56-1	METHANOL HPLC	1	Liters(L)	06-Feb-19
0001517058	67-56-1	METHANOL HPLC	1	Liters(L)	06-Feb-19
0001517059	67-56-1	METHANOL HPLC	1	Liters(L)	06-Feb-19
0001517060	7697-37-2	NITRIC ACID	1	Liters(L)	06-Feb-19
0001517061	7697-37-2	NITRIC ACID	1	Liters(L)	06-Feb-19
0001386330	-	CARBON DIOXIDE 45-55% IN HELIUM	17	Cubic Feet(CF)	06-Feb-19
0001386331	-	TORR SEAL [PARTS A AND B]	90	Gram(GM)	06-Feb-19
0001331292	-	super lube w/multi purpose synthetic lubricant	6	Ounces(OZ)	07-Feb-19
0001331291	7681-52-9	SODIUM HYPOCHLORITE	3.57	Liters(L)	07-Feb-19
0001331290	7681-52-9	SODIUM HYPOCHLORITE	3.57	Liters(L)	07-Feb-19
0001457492	-	FANTASTIK ALL PURPOSE CLEANER	1	Quarts(QT)	07-Feb-19
0001457494	-	FANTASTIK ALL PURPOSE CLEANER	1	Quarts(QT)	07-Feb-19
0001457496	-	FANTASTIK ALL PURPOSE CLEANER	1	Quarts(QT)	07-Feb-19
0001457497	-	FANTASTIK ALL PURPOSE CLEANER	1	Quarts(QT)	07-Feb-19
0001457495	-	FANTASTIK ALL PURPOSE CLEANER	1	Quarts(QT)	07-Feb-19
0001457498	-	FANTASTIK ALL PURPOSE CLEANER	1	Quarts(QT)	07-Feb-19
0001457499	-	FANTASTIK ALL PURPOSE CLEANER	1	Quarts(QT)	07-Feb-19
0001457493	-	FANTASTIK ALL PURPOSE CLEANER	1	Quarts(QT)	07-Feb-19
0001457500	-	SUPER GLUE	15	Gram(GM)	07-Feb-19
0001457501	-	GORILLA GLUE	8	Ounces(OZ)	07-Feb-19
0001418641	-	RTV SILICONE ELASTOMER PART B	100	Gram(GM)	07-Feb-19
0001516783	-	Novec 72DE Engineered Fluid	1	Gallon(GAL)	07-Feb-19
0001516792	-	Novec 72DE Engineered Fluid	1	Gallon(GAL)	07-Feb-19
0001516796	-	Novec 72DE Engineered Fluid	1	Gallon(GAL)	07-Feb-19
0001516793	-	Novec 72DE Engineered Fluid	1	Gallon(GAL)	07-Feb-19

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001516787	-	Novec 72DE Engineered Fluid	1	Gallon(GAL)	07-Feb-19
0001516794	-	Novec 72DE Engineered Fluid	1	Gallon(GAL)	07-Feb-19
0001516795	-	Novec 72DE Engineered Fluid	1	Gallon(GAL)	07-Feb-19
0001516791	-	Novec 72DE Engineered Fluid	1	Gallon(GAL)	07-Feb-19
0001516797	-	Novec 72DE Engineered Fluid	1	Gallon(GAL)	07-Feb-19
0001516790	-	Novec 72DE Engineered Fluid	1	Gallon(GAL)	07-Feb-19
0001516786	-	Novec 72DE Engineered Fluid	1	Gallon(GAL)	07-Feb-19
0001516785	-	Novec 72DE Engineered Fluid	1	Gallon(GAL)	07-Feb-19
0001516784	-	Novec 72DE Engineered Fluid	1	Gallon(GAL)	07-Feb-19
0001516788	-	Novec 72DE Engineered Fluid	1	Gallon(GAL)	07-Feb-19
0001516789	-	Novec 72DE Engineered Fluid	1	Gallon(GAL)	07-Feb-19
0001516798	-	QIAPREP SPIN MINIPREP KIT	500	Milliliter(ML)	07-Feb-19
0001516919	9029-47-4	PROTOCATECHUATE 3 4-DIOXYGENASE	50	Milligram(MG)	07-Feb-19
0001516920	108-95-2	PHENOL	25	Gram(GM)	07-Feb-19
0001516921	124-22-1	DODECYLAMINE	100	Milliliter(ML)	07-Feb-19
0001517062	70131-67-8	PLY-7609 SILICONE FLUID	1	Gram(GM)	07-Feb-19
0001517063	70131-67-8	PLY-7609 SILICONE FLUID	1	Gram(GM)	07-Feb-19
0001517064	7447-40-7	POTASSIUM CHLORIDE CRYSTAL	15	Gram(GM)	07-Feb-19
0001517065	25389-94-0	KANAMYCIN SULFATE	10	Gram(GM)	07-Feb-19
0001517066	9003-36-5	EPO-TEK 353ND Part A	4	Gram(GM)	07-Feb-19
0001517067	9003-36-5	EPO-TEK 353ND Part A	4	Gram(GM)	07-Feb-19
0001517068	75-05-8	ACETONITRILE ANHYDROUS	1	Liters(L)	07-Feb-19
0001517070	75-05-8	ACETONITRILE ANHYDROUS	1	Liters(L)	07-Feb-19
0001517071	75-05-8	ACETONITRILE ANHYDROUS	1	Liters(L)	07-Feb-19
0001517072	75-05-8	ACETONITRILE ANHYDROUS	1	Liters(L)	07-Feb-19
0001517073	75-05-8	ACETONITRILE ANHYDROUS	1	Liters(L)	07-Feb-19
0001517069	75-05-8	ACETONITRILE ANHYDROUS	1	Liters(L)	07-Feb-19
0001517074	-	SILICA STANDARD SOLUTIOIN	500	Milliliter(ML)	07-Feb-19
0001517075	-	SILICA STANDARD SOLUTIOIN	500	Milliliter(ML)	07-Feb-19
0001517076	7647-14-5	CHLORIDE STANDARD	500	Milliliter(ML)	07-Feb-19
0001517077	7647-14-5	CHLORIDE STANDARD	500	Milliliter(ML)	07-Feb-19
0001517078	6713-54-8	2 4 6 8-Tetrahydroxypyrimido[5 4-d]pyrimidine	25	Gram(GM)	07-Feb-19
0001517079	5807-14-7	1 5 7-Triazabicyclo[4.4.0]dec-5-ene	5	Gram(GM)	07-Feb-19
0001517080	7787-69-1	CESIUM BROMIDE	100	Gram(GM)	07-Feb-19
0001517081	1552-42-7	Crystal Violet Lactone	25	Gram(GM)	07-Feb-19
0001517082	80-09-1	Bis(4-hydroxyphenyl) Sulfone	25	Gram(GM)	07-Feb-19
0001517083	80-05-7	2 2-Bis(4-hydroxyphenyl)propane	25	Gram(GM)	07-Feb-19
0001517084	620-92-8	4 4'-Dihydroxydiphenylmethane	25	Gram(GM)	07-Feb-19
0001517085	57100-74-0	2 2-Bis(3-cyclohexyl-4-hydroxyphenyl)propane	25	Gram(GM)	07-Feb-19
0001517095	-	4-HEPTANONE	100	Milliliter(ML)	07-Feb-19
0001517096	99-50-3	PROTOCATECHUIC ACID	50	Milligram(MG)	07-Feb-19
0001563769	7782-44-7	OXYGEN COMPRESSED GAS	20	Cubic Feet(CF)	08-Feb-19
0001563770	7782-44-7	OXYGEN COMPRESSED GAS	20	Cubic Feet(CF)	08-Feb-19
0001563771	7782-44-7	OXYGEN COMPRESSED GAS	40	Cubic Feet(CF)	08-Feb-19
0001563772	7782-44-7	OXYGEN COMPRESSED GAS	40	Cubic Feet(CF)	08-Feb-19
0001563773	-	Argon UHP	220	Cubic Feet(CF)	08-Feb-19
0001563774	-	Argon UHP	220	Cubic Feet(CF)	08-Feb-19
0001563775	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	08-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001563776	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	08-Feb-19
0001563786	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	08-Feb-19
0001563783	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	08-Feb-19
0001563781	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	08-Feb-19
0001563780	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	08-Feb-19
0001563779	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	08-Feb-19
0001563777	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	08-Feb-19
0001563782	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	08-Feb-19
0001563784	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	08-Feb-19
0001563785	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	08-Feb-19
0001563778	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	08-Feb-19
0001563787	-	Nitrogen UHP	220	Cubic Feet(CF)	08-Feb-19
0001563808	-	Nitrogen UHP	220	Cubic Feet(CF)	08-Feb-19
0001563811	74-98-6	PROPANE	220	Cubic Feet(CF)	08-Feb-19
0001563810	-	Nitrogen UHP	220	Cubic Feet(CF)	08-Feb-19
0001563809	-	Nitrogen UHP	220	Cubic Feet(CF)	08-Feb-19
0001563797	-	Nitrogen UHP	220	Cubic Feet(CF)	08-Feb-19
0001563788	-	Nitrogen UHP	220	Cubic Feet(CF)	08-Feb-19
0001563789	-	Nitrogen UHP	220	Cubic Feet(CF)	08-Feb-19
0001563790	-	Nitrogen UHP	220	Cubic Feet(CF)	08-Feb-19
0001563791	-	Nitrogen UHP	220	Cubic Feet(CF)	08-Feb-19
0001563792	-	Nitrogen UHP	220	Cubic Feet(CF)	08-Feb-19
0001563793	-	Nitrogen UHP	220	Cubic Feet(CF)	08-Feb-19
0001563794	-	Nitrogen UHP	220	Cubic Feet(CF)	08-Feb-19
0001563806	-	Nitrogen UHP	220	Cubic Feet(CF)	08-Feb-19
0001563796	-	Nitrogen UHP	220	Cubic Feet(CF)	08-Feb-19
0001563807	-	Nitrogen UHP	220	Cubic Feet(CF)	08-Feb-19
0001563798	-	Nitrogen UHP	220	Cubic Feet(CF)	08-Feb-19
0001563799	-	Nitrogen UHP	220	Cubic Feet(CF)	08-Feb-19
0001563800	-	Nitrogen UHP	220	Cubic Feet(CF)	08-Feb-19
0001563801	-	Nitrogen UHP	220	Cubic Feet(CF)	08-Feb-19
0001563802	-	Nitrogen UHP	220	Cubic Feet(CF)	08-Feb-19
0001563803	-	Nitrogen UHP	220	Cubic Feet(CF)	08-Feb-19
0001563805	-	Nitrogen UHP	220	Cubic Feet(CF)	08-Feb-19
0001563804	-	Nitrogen UHP	220	Cubic Feet(CF)	08-Feb-19
0001563795	-	Nitrogen UHP	220	Cubic Feet(CF)	08-Feb-19
0001563674	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563680	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563691	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563694	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563693	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563692	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563690	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563689	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563688	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563687	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563686	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563677	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001563678	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563685	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563675	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563676	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563679	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563681	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563682	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563683	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563684	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563710	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563721	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563715	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563712	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563713	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563714	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563711	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563716	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563717	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563718	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563720	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563709	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563698	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563719	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563708	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563707	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563706	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563705	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563704	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563703	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563702	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563701	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563722	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563699	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563723	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563697	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563696	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563695	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563700	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-Feb-19
0001563724	-	95% NITROGEN/5% HYDROGEN	1563724	Cubic Feet(CF)	08-Feb-19
0001563729	-	95% NITROGEN/5% HYDROGEN	1563724	Cubic Feet(CF)	08-Feb-19
0001563725	-	95% NITROGEN/5% HYDROGEN	1563724	Cubic Feet(CF)	08-Feb-19
0001563726	-	95% NITROGEN/5% HYDROGEN	1563724	Cubic Feet(CF)	08-Feb-19
0001563728	-	95% NITROGEN/5% HYDROGEN	1563724	Cubic Feet(CF)	08-Feb-19
0001563730	-	95% NITROGEN/5% HYDROGEN	1563724	Cubic Feet(CF)	08-Feb-19
0001563727	-	95% NITROGEN/5% HYDROGEN	1563724	Cubic Feet(CF)	08-Feb-19
0001563731	-	OXYGEN COMPRESSED GAS	220	Cubic Feet(CF)	08-Feb-19
0001563734	-	OXYGEN COMPRESSED GAS	220	Cubic Feet(CF)	08-Feb-19
0001563733	-	OXYGEN COMPRESSED GAS	220	Cubic Feet(CF)	08-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001563735	-	OXYGEN COMPRESSED GAS	220	Cubic Feet(CF)	08-Feb-19
0001563732	-	OXYGEN COMPRESSED GAS	220	Cubic Feet(CF)	08-Feb-19
0001563736	-	Argon 75% Carbon Dioxide 25%	220	Cubic Feet(CF)	08-Feb-19
0001563737	-	Argon 75% Carbon Dioxide 25%	220	Cubic Feet(CF)	08-Feb-19
0001563738	-	Argon 75% Carbon Dioxide 25%	220	Cubic Feet(CF)	08-Feb-19
0001563739	-	Argon 75% Carbon Dioxide 25%	220	Cubic Feet(CF)	08-Feb-19
0001563740	-	Argon 75% Carbon Dioxide 25%	220	Cubic Feet(CF)	08-Feb-19
0001563741	-	AIR COMPRESSED	220	Cubic Feet(CF)	08-Feb-19
0001563744	-	AIR COMPRESSED	220	Cubic Feet(CF)	08-Feb-19
0001563742	-	AIR COMPRESSED	220	Cubic Feet(CF)	08-Feb-19
0001563743	-	AIR COMPRESSED	220	Cubic Feet(CF)	08-Feb-19
0001563745	74-98-6	PROPANE	220	Cubic Feet(CF)	08-Feb-19
0001563746	74-98-6	PROPANE	220	Cubic Feet(CF)	08-Feb-19
0001563747	74-98-6	PROPANE	220	Cubic Feet(CF)	08-Feb-19
0001563748	124-38-9	CARBON DIOXIDE GAS	220	Cubic Feet(CF)	08-Feb-19
0001563752	124-38-9	CARBON DIOXIDE GAS	220	Cubic Feet(CF)	08-Feb-19
0001563753	124-38-9	CARBON DIOXIDE GAS	220	Cubic Feet(CF)	08-Feb-19
0001563751	124-38-9	CARBON DIOXIDE GAS	220	Cubic Feet(CF)	08-Feb-19
0001563750	124-38-9	CARBON DIOXIDE GAS	220	Cubic Feet(CF)	08-Feb-19
0001563749	124-38-9	CARBON DIOXIDE GAS	220	Cubic Feet(CF)	08-Feb-19
0001563754	-	Argon UHP	220	Cubic Feet(CF)	08-Feb-19
0001563762	-	Argon UHP	220	Cubic Feet(CF)	08-Feb-19
0001563756	-	Argon UHP	220	Cubic Feet(CF)	08-Feb-19
0001563768	-	Argon UHP	220	Cubic Feet(CF)	08-Feb-19
0001563767	-	Argon UHP	220	Cubic Feet(CF)	08-Feb-19
0001563766	-	Argon UHP	220	Cubic Feet(CF)	08-Feb-19
0001563765	-	Argon UHP	220	Cubic Feet(CF)	08-Feb-19
0001563764	-	Argon UHP	220	Cubic Feet(CF)	08-Feb-19
0001563763	-	Argon UHP	220	Cubic Feet(CF)	08-Feb-19
0001563760	-	Argon UHP	220	Cubic Feet(CF)	08-Feb-19
0001563759	-	Argon UHP	220	Cubic Feet(CF)	08-Feb-19
0001563761	-	Argon UHP	220	Cubic Feet(CF)	08-Feb-19
0001563757	-	Argon UHP	220	Cubic Feet(CF)	08-Feb-19
0001563755	-	Argon UHP	220	Cubic Feet(CF)	08-Feb-19
0001563758	-	Argon UHP	220	Cubic Feet(CF)	08-Feb-19
0001459016	-	POLYAMIDE RESIN CURING AGENT	1	Pint(PT)	08-Feb-19
0001459018	-	POLYAMIDE RESIN CURING AGENT	1	Pint(PT)	08-Feb-19
0001459017	-	POLYAMIDE RESIN CURING AGENT	1	Pint(PT)	08-Feb-19
0001459019	-	POLYAMIDE RESIN CURING AGENT	1	Pint(PT)	08-Feb-19
0001516923	-	MOBIL DTE 25	55	Gallon(GAL)	08-Feb-19
0001516924	-	MOBIL DTE 25	55	Gallon(GAL)	08-Feb-19
0001517026	-	BROMCRESOL GREEN-METHYL RED	100	Milliliter(ML)	08-Feb-19
0001517032	-	BROMCRESOL GREEN-METHYL RED	100	Milliliter(ML)	08-Feb-19
0001517033	-	BROMCRESOL GREEN-METHYL RED	100	Milliliter(ML)	08-Feb-19
0001517030	-	BROMCRESOL GREEN-METHYL RED	100	Milliliter(ML)	08-Feb-19
0001517029	-	BROMCRESOL GREEN-METHYL RED	100	Milliliter(ML)	08-Feb-19
0001517031	-	BROMCRESOL GREEN-METHYL RED	100	Milliliter(ML)	08-Feb-19
0001517027	-	BROMCRESOL GREEN-METHYL RED	100	Milliliter(ML)	08-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001517028	-	BROMCRESOL GREEN-METHYL RED	100	Milliliter(ML)	08-Feb-19
0001517035	-	BROMCRESOL GREEN-METHYL RED	100	Milliliter(ML)	08-Feb-19
0001517034	-	BROMCRESOL GREEN-METHYL RED	100	Milliliter(ML)	08-Feb-19
0001517036	-	HARDNESS TEST KIT	100	Milliliter(ML)	08-Feb-19
0001517037	-	HARDNESS TEST KIT	100	Milliliter(ML)	08-Feb-19
0001517039	-	HARDNESS TEST KIT	100	Milliliter(ML)	08-Feb-19
0001517040	-	HARDNESS TEST KIT	100	Milliliter(ML)	08-Feb-19
0001517038	-	HARDNESS TEST KIT	100	Milliliter(ML)	08-Feb-19
0001517041	-	Manver 2 Hardness Indicator	50	Milligram(MG)	08-Feb-19
0001517044	-	Manver 2 Hardness Indicator	50	Milligram(MG)	08-Feb-19
0001517043	-	Manver 2 Hardness Indicator	50	Milligram(MG)	08-Feb-19
0001517045	-	Manver 2 Hardness Indicator	50	Milligram(MG)	08-Feb-19
0001517042	-	Manver 2 Hardness Indicator	50	Milligram(MG)	08-Feb-19
0001517086	7440-22-4	Silver conductive adhesive paste	15	Gram(GM)	08-Feb-19
0001517087	67-68-5	DIMETHYL SULFOXIDE	1	Liters(L)	08-Feb-19
0001517088	109-86-4	2-METHOXYETHANOL	250	Milliliter(ML)	08-Feb-19
0001517089	109-86-4	2-METHOXYETHANOL	250	Milliliter(ML)	08-Feb-19
0001517090	109-86-4	2-METHOXYETHANOL	250	Milliliter(ML)	08-Feb-19
0001517091	109-86-4	2-METHOXYETHANOL	250	Milliliter(ML)	08-Feb-19
0001517092	-	HIGH VACUUM SEALANT	8	Pounds(LB)	08-Feb-19
0001517093	-	LOCTITE 242 THREADLOCKER	1.69	Ounces(OZ)	08-Feb-19
0001517094	101-84-8	PHENYL ETHER (DIPHENYL ETHER)	100	Milliliter(ML)	08-Feb-19
0001517167	7440-70-2	CALCIUM STANDARD SOLUTION	1000	Milliliter(ML)	08-Feb-19
0001517168	7440-70-2	CALCIUM STANDARD SOLUTION	1000	Milliliter(ML)	08-Feb-19
0001517169	1185-57-5	FERRIC AMMONIUM CITRATE	100	Gram(GM)	08-Feb-19
0001517170	497-19-8	SODIUM CARBONATE ANHYDROUS	50	Gram(GM)	08-Feb-19
0001517175	-	Shear Wave Couplant	2	Ounces(OZ)	08-Feb-19
0001517176	-	LOCTITE 242 THREADLOCKER	0.2	Ounces(OZ)	08-Feb-19
0001517186	-	LOCTITE 242 THREADLOCKER	0.2	Ounces(OZ)	08-Feb-19
0001517177	-	LOCTITE 242 THREADLOCKER	0.2	Ounces(OZ)	08-Feb-19
0001517178	-	LOCTITE 242 THREADLOCKER	0.2	Ounces(OZ)	08-Feb-19
0001517179	-	LOCTITE 242 THREADLOCKER	0.2	Ounces(OZ)	08-Feb-19
0001517180	-	LOCTITE 242 THREADLOCKER	0.2	Ounces(OZ)	08-Feb-19
0001517181	-	LOCTITE 242 THREADLOCKER	0.2	Ounces(OZ)	08-Feb-19
0001517182	-	LOCTITE 242 THREADLOCKER	0.2	Ounces(OZ)	08-Feb-19
0001517183	-	LOCTITE 242 THREADLOCKER	0.2	Ounces(OZ)	08-Feb-19
0001517184	-	LOCTITE 242 THREADLOCKER	0.2	Ounces(OZ)	08-Feb-19
0001517187	-	LOCTITE 242 THREADLOCKER	0.2	Ounces(OZ)	08-Feb-19
0001517185	-	LOCTITE 242 THREADLOCKER	0.2	Ounces(OZ)	08-Feb-19
0001517188	67-64-1	ACETONE FOR HPLC	1	Liters(L)	08-Feb-19
0001517189	109-89-7	DIETHYLAMINE	250	Milliliter(ML)	08-Feb-19
0001517190	121-44-8	TRIETHYLAMINE	100	Milliliter(ML)	08-Feb-19
0001517193	121-44-8	TRIETHYLAMINE	100	Milliliter(ML)	08-Feb-19
0001517191	121-44-8	TRIETHYLAMINE	100	Milliliter(ML)	08-Feb-19
0001517192	121-44-8	TRIETHYLAMINE	100	Milliliter(ML)	08-Feb-19
0001517194	-	770-WASTELOCK-ABSORBANT	25	Pint(PT)	08-Feb-19
0001517195	6156-78-1	MANGANESE ACETATE TETRAHYDRATE	5	Gram(GM)	08-Feb-19
0001517196	7697-37-2	NITRIC ACID	500	Milliliter(ML)	08-Feb-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001517197	7722-84-1	HYDROGEN PEROXIDE 30% SOLUTION	500	Milliliter(ML)	08-Feb-19
0001517202	7722-84-1	HYDROGEN PEROXIDE 30% SOLUTION	500	Milliliter(ML)	08-Feb-19
0001517200	7722-84-1	HYDROGEN PEROXIDE 30% SOLUTION	500	Milliliter(ML)	08-Feb-19
0001517199	7722-84-1	HYDROGEN PEROXIDE 30% SOLUTION	500	Milliliter(ML)	08-Feb-19
0001517201	7722-84-1	HYDROGEN PEROXIDE 30% SOLUTION	500	Milliliter(ML)	08-Feb-19
0001143797	-	Stainless Steel Weld Etch	250	Milliliter(ML)	11-Feb-19
0001143796	-	ACID NEUTRALZIER	500	Milliliter(ML)	11-Feb-19
0001516925	-	DOW CORNING HIGH VACUUME GREASE	5.3	Ounces(OZ)	11-Feb-19
0001516927	-	DOW CORNING HIGH VACUUME GREASE	5.3	Ounces(OZ)	11-Feb-19
0001516928	-	DOW CORNING HIGH VACUUME GREASE	5.3	Ounces(OZ)	11-Feb-19
0001516926	-	DOW CORNING HIGH VACUUME GREASE	5.3	Ounces(OZ)	11-Feb-19
0001516929	-	DOW CORNING HIGH VACUUME GREASE	5.3	Ounces(OZ)	11-Feb-19
0001516930	-	DGA RESIN	1	Gram(GM)	11-Feb-19
0001517203	12015-14-4	AMMONIUM-D4 CHLORIDE	5	Gram(GM)	11-Feb-19
0001517204	-	Krylon RTA 9219 Flat White	12	Ounces(OZ)	11-Feb-19
0001517205	-	Krylon Acrylic Enamel Max Flat Black	12	Ounces(OZ)	11-Feb-19
0001517206	20694-39-7	MANGANESE(II) NITRATE TETRAHYDRATE	100	Gram(GM)	11-Feb-19
0001517207	80-10-4	DIPHENYLDICHLOROSILANE	100	Gram(GM)	11-Feb-19
0001517208	-	polyclean CLARIFIER	8	Ounces(OZ)	11-Feb-19
0001517209	-	EPOXY 5 MINUTE DEVCON	16	Ounces(OZ)	11-Feb-19
0001517214	-	EPOXY 5 MINUTE DEVCON	16	Ounces(OZ)	11-Feb-19
0001517213	-	EPOXY 5 MINUTE DEVCON	16	Ounces(OZ)	11-Feb-19
0001517212	-	EPOXY 5 MINUTE DEVCON	16	Ounces(OZ)	11-Feb-19
0001517211	-	EPOXY 5 MINUTE DEVCON	16	Ounces(OZ)	11-Feb-19
0001517210	-	EPOXY 5 MINUTE DEVCON	16	Ounces(OZ)	11-Feb-19
0001517215	-	QUICKTITE INSTANT ADHESIVE GEL	25	Milliliter(ML)	11-Feb-19
0001517216	-	QUICKTITE INSTANT ADHESIVE GEL	25	Milliliter(ML)	11-Feb-19
0001517217	-	QUICKTITE INSTANT ADHESIVE GEL	25	Milliliter(ML)	11-Feb-19
0001517218	-	QUICKTITE INSTANT ADHESIVE GEL	25	Milliliter(ML)	11-Feb-19
0001517219	-	QUICKTITE INSTANT ADHESIVE GEL	25	Milliliter(ML)	11-Feb-19
0001517220	-	QUICKTITE INSTANT ADHESIVE GEL	25	Milliliter(ML)	11-Feb-19
0001517221	-	Trace Elements in Natural Water NIST SRM 1640	250	Milliliter(ML)	11-Feb-19
0001517222	81379-52-4	Fmoc-His(1-Boc)-OH	25	Gram(GM)	11-Feb-19
0001517223	34830-11-0	EUROPIUM D-3-TRIFLUOROACETYLCAMPHORATE	1	Gram(GM)	11-Feb-19
0001517224	1484-85-1	Homopiperonylamine	100	Gram(GM)	11-Feb-19
0001517225	2576-47-8	2-BROMOETHYLAMINE HYDROBROMIDE	100	Gram(GM)	11-Feb-19
0001517226	51805-45-9	TRIS(2-CARBOXYETHYL)PHOSPHINE	10	Gram(GM)	11-Feb-19
0001517227	5807-14-7	1 5 7-Triazabicyclo[4.4.0]dec-5-ene	5	Gram(GM)	11-Feb-19
0001517228	60239-18-1	TETRAAZACYCLODODECANE-1 4 7 10	250	Milligram(MG)	11-Feb-19
0001517229	295-37-4	1 4 8 11-TETRAAZACYCLOTETRADECANE	1	Gram(GM)	11-Feb-19
0001517230	59061-53-9	Zeolitic Imidazolate Framework-8 (ZIF-8)	5	Gram(GM)	11-Feb-19
0001517232	59061-53-9	Zeolitic Imidazolate Framework-8 (ZIF-8)	5	Gram(GM)	11-Feb-19
0001517233	59061-53-9	Zeolitic Imidazolate Framework-8 (ZIF-8)	5	Gram(GM)	11-Feb-19
0001517235	59061-53-9	Zeolitic Imidazolate Framework-8 (ZIF-8)	5	Gram(GM)	11-Feb-19
0001517234	59061-53-9	Zeolitic Imidazolate Framework-8 (ZIF-8)	5	Gram(GM)	11-Feb-19
0001517231	59061-53-9	Zeolitic Imidazolate Framework-8 (ZIF-8)	5	Gram(GM)	11-Feb-19
0001517236	-	Dow DOWSIL 93-500 Space Grade Encapsulant	110	Gram(GM)	11-Feb-19
V00000222E	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002225	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V00000221C	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V00000221D	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V00000221E	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V00000221A	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V00000221F	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V000002220	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V000002221	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V000002222	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V000002223	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V000002224	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V00000221B	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V000002226	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V000002227	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V000002228	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V000002229	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V00000222A	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V00000222B	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V00000222D	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V00000222F	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V000002232	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V000002230	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V000002231	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V000002219	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V00000222C	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V000002209	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V000002233	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V000002213	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V0000021FD	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V0000021FF	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V000002200	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V000002201	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V000002202	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V000002203	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V000002204	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V000002205	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V000002206	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V0000021FE	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V000002208	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V000002218	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V00000220A	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V00000220B	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V00000220C	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V00000220D	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V00000220E	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V00000220F	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V000002210	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V000002212	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002214	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V000002215	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V000002216	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V000002217	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V000002207	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
V000002211	-	RAPID ROAD REPAIR	50	Pounds(LB)	11-Feb-19
0001425979	-	CHLORIDE ANION STANDARD	125	Milliliter(ML)	11-Feb-19
0001425982	-	FLUORIDE ANION STANDARD	125	Milliliter(ML)	11-Feb-19
0001425978	-	CHLORIDE ANION STANDARD	125	Milliliter(ML)	11-Feb-19
0001425977	-	SULFATE ANION STANDARD	125	Milliliter(ML)	11-Feb-19
0001425984	7732-18-5	1000 PPM NITRATE IN H2O	125	Milliliter(ML)	11-Feb-19
0001425983	7732-18-5	1000 PPM NITRATE IN H2O	125	Milliliter(ML)	11-Feb-19
0001501214	-	fast setting cement	50	Pounds(LB)	12-Feb-19
0001501222	-	fast setting cement	50	Pounds(LB)	12-Feb-19
0001501221	-	fast setting cement	50	Pounds(LB)	12-Feb-19
0001501220	-	fast setting cement	50	Pounds(LB)	12-Feb-19
0001501219	-	fast setting cement	50	Pounds(LB)	12-Feb-19
0001501218	-	fast setting cement	50	Pounds(LB)	12-Feb-19
0001501217	-	fast setting cement	50	Pounds(LB)	12-Feb-19
0001501216	-	fast setting cement	50	Pounds(LB)	12-Feb-19
0001501215	-	fast setting cement	50	Pounds(LB)	12-Feb-19
0001501559	-	5 20 BLV ADHESIVE BLACK	0.5	Pint(PT)	12-Feb-19
0001501565	-	5 20 BLV ADHESIVE BLACK	0.5	Pint(PT)	12-Feb-19
0001501566	-	5 20 BLV ADHESIVE BLACK	0.5	Pint(PT)	12-Feb-19
0001501560	-	5 20 BLV ADHESIVE BLACK	0.5	Pint(PT)	12-Feb-19
0001501561	-	5 20 BLV ADHESIVE BLACK	0.5	Pint(PT)	12-Feb-19
0001501562	-	5 20 BLV ADHESIVE BLACK	0.5	Pint(PT)	12-Feb-19
0001501567	-	5 20 BLV ADHESIVE BLACK	0.5	Pint(PT)	12-Feb-19
0001501564	-	5 20 BLV ADHESIVE BLACK	0.5	Pint(PT)	12-Feb-19
0001501568	-	5 20 BLV ADHESIVE BLACK	0.5	Pint(PT)	12-Feb-19
0001501563	-	5 20 BLV ADHESIVE BLACK	0.5	Pint(PT)	12-Feb-19
0001501569	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501577	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501591	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501590	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501589	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501588	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501574	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501576	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501586	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501581	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501585	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501578	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501584	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501587	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501583	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501579	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501573	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001501572	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501571	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501570	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501580	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501575	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501582	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501599	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501592	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501593	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501594	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501595	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501596	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501597	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501598	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501633	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501623	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501624	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501625	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501626	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501627	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501600	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501629	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501617	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501622	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501632	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501628	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501634	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501635	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501636	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501637	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501638	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501639	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501640	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501641	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501631	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501604	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501601	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501630	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501603	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501621	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501605	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501606	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501607	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501608	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501609	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501610	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501611	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501612	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001501613	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501614	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501602	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501620	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501619	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501615	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501616	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501618	-	CONTACT CLEANER 2000	13	Ounces(OZ)	12-Feb-19
0001501642	-	Carlon Purple Primer Thomas & Betts	32	Ounces(OZ)	12-Feb-19
0001501646	-	Carlon Purple Primer Thomas & Betts	32	Ounces(OZ)	12-Feb-19
0001501650	-	Carlon Purple Primer Thomas & Betts	32	Ounces(OZ)	12-Feb-19
0001501649	-	Carlon Purple Primer Thomas & Betts	32	Ounces(OZ)	12-Feb-19
0001501647	-	Carlon Purple Primer Thomas & Betts	32	Ounces(OZ)	12-Feb-19
0001501645	-	Carlon Purple Primer Thomas & Betts	32	Ounces(OZ)	12-Feb-19
0001501644	-	Carlon Purple Primer Thomas & Betts	32	Ounces(OZ)	12-Feb-19
0001501643	-	Carlon Purple Primer Thomas & Betts	32	Ounces(OZ)	12-Feb-19
0001501648	-	Carlon Purple Primer Thomas & Betts	32	Ounces(OZ)	12-Feb-19
0001501651	-	Cote All M/B	1	Gallon(GAL)	12-Feb-19
0001501653	-	Cote All M/B	1	Gallon(GAL)	12-Feb-19
0001501654	-	Cote All M/B	1	Gallon(GAL)	12-Feb-19
0001501652	-	Cote All M/B	1	Gallon(GAL)	12-Feb-19
0001501655	-	Cote All M/B	1	Gallon(GAL)	12-Feb-19
0001501719	-	FORMULA 2011	55	Ounces(OZ)	12-Feb-19
0001501720	-	FORMULA 2011	55	Gallon(GAL)	12-Feb-19
0001501666	-	CARLON ELECTRICAL PRODUCTS STANDARD	32	Ounces(OZ)	12-Feb-19
0001501673	-	CARLON ELECTRICAL PRODUCTS STANDARD	32	Ounces(OZ)	12-Feb-19
0001501672	-	CARLON ELECTRICAL PRODUCTS STANDARD	32	Ounces(OZ)	12-Feb-19
0001501671	-	CARLON ELECTRICAL PRODUCTS STANDARD	32	Ounces(OZ)	12-Feb-19
0001501670	-	CARLON ELECTRICAL PRODUCTS STANDARD	32	Ounces(OZ)	12-Feb-19
0001501669	-	CARLON ELECTRICAL PRODUCTS STANDARD	32	Ounces(OZ)	12-Feb-19
0001501668	-	CARLON ELECTRICAL PRODUCTS STANDARD	32	Ounces(OZ)	12-Feb-19
0001501667	-	CARLON ELECTRICAL PRODUCTS STANDARD	32	Ounces(OZ)	12-Feb-19
0001563812	74-98-6	PROPANE	50	Cubic Feet(CF)	12-Feb-19
0001563817	74-98-6	PROPANE	220	Cubic Feet(CF)	12-Feb-19
0001563814	74-98-6	PROPANE	220	Cubic Feet(CF)	12-Feb-19
0001563815	74-98-6	PROPANE	220	Cubic Feet(CF)	12-Feb-19
0001563816	74-98-6	PROPANE	220	Cubic Feet(CF)	12-Feb-19
0001563820	74-98-6	PROPANE	220	Cubic Feet(CF)	12-Feb-19
0001563819	74-98-6	PROPANE	220	Cubic Feet(CF)	12-Feb-19
0001563818	74-98-6	PROPANE	220	Cubic Feet(CF)	12-Feb-19
0001563821	74-98-6	PROPANE	220	Cubic Feet(CF)	12-Feb-19
0001563813	74-98-6	PROPANE	220	Cubic Feet(CF)	12-Feb-19
V000002241	-	PEEL-STOP	25	Ounces(OZ)	12-Feb-19
V000002249	-	PEEL-STOP	25	Ounces(OZ)	12-Feb-19
V000002248	-	PEEL-STOP	25	Ounces(OZ)	12-Feb-19
V000002247	-	PEEL-STOP	25	Ounces(OZ)	12-Feb-19
V000002246	-	PEEL-STOP	25	Ounces(OZ)	12-Feb-19
V000002245	-	PEEL-STOP	25	Ounces(OZ)	12-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002244	-	PEEL-STOP	25	Ounces(OZ)	12-Feb-19
V00000224A	-	PEEL-STOP	25	Ounces(OZ)	12-Feb-19
V000002242	-	PEEL-STOP	25	Ounces(OZ)	12-Feb-19
V00000223D	-	PEEL-STOP	25	Ounces(OZ)	12-Feb-19
V000002240	-	PEEL-STOP	25	Ounces(OZ)	12-Feb-19
V00000223F	-	PEEL-STOP	25	Ounces(OZ)	12-Feb-19
V00000223E	-	PEEL-STOP	25	Ounces(OZ)	12-Feb-19
V00000223C	-	PEEL-STOP	25	Ounces(OZ)	12-Feb-19
V00000223A	-	PEEL-STOP	25	Ounces(OZ)	12-Feb-19
V000002239	-	PEEL-STOP	25	Ounces(OZ)	12-Feb-19
V000002243	-	PEEL-STOP	25	Ounces(OZ)	12-Feb-19
V00000223B	-	PEEL-STOP	25	Ounces(OZ)	12-Feb-19
0001563822	-	94% ARGON/BAL. HYDROGEN	220	Cubic Feet(CF)	12-Feb-19
0001563840	-	94% ARGON/BAL. HYDROGEN	220	Cubic Feet(CF)	12-Feb-19
0001563831	-	94% ARGON/BAL. HYDROGEN	220	Cubic Feet(CF)	12-Feb-19
0001563839	-	94% ARGON/BAL. HYDROGEN	220	Cubic Feet(CF)	12-Feb-19
0001563838	-	94% ARGON/BAL. HYDROGEN	220	Cubic Feet(CF)	12-Feb-19
0001563837	-	94% ARGON/BAL. HYDROGEN	220	Cubic Feet(CF)	12-Feb-19
0001563836	-	94% ARGON/BAL. HYDROGEN	220	Cubic Feet(CF)	12-Feb-19
0001563835	-	94% ARGON/BAL. HYDROGEN	220	Cubic Feet(CF)	12-Feb-19
0001563834	-	94% ARGON/BAL. HYDROGEN	220	Cubic Feet(CF)	12-Feb-19
0001563841	-	94% ARGON/BAL. HYDROGEN	220	Cubic Feet(CF)	12-Feb-19
0001563832	-	94% ARGON/BAL. HYDROGEN	220	Cubic Feet(CF)	12-Feb-19
0001563828	-	94% ARGON/BAL. HYDROGEN	220	Cubic Feet(CF)	12-Feb-19
0001563830	-	94% ARGON/BAL. HYDROGEN	220	Cubic Feet(CF)	12-Feb-19
0001563829	-	94% ARGON/BAL. HYDROGEN	220	Cubic Feet(CF)	12-Feb-19
0001563827	-	94% ARGON/BAL. HYDROGEN	220	Cubic Feet(CF)	12-Feb-19
0001563825	-	94% ARGON/BAL. HYDROGEN	220	Cubic Feet(CF)	12-Feb-19
0001563824	-	94% ARGON/BAL. HYDROGEN	220	Cubic Feet(CF)	12-Feb-19
0001563823	-	94% ARGON/BAL. HYDROGEN	220	Cubic Feet(CF)	12-Feb-19
0001563833	-	94% ARGON/BAL. HYDROGEN	220	Cubic Feet(CF)	12-Feb-19
0001563826	-	94% ARGON/BAL. HYDROGEN	220	Cubic Feet(CF)	12-Feb-19
0001563842	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	12-Feb-19
0001563849	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	12-Feb-19
0001563843	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	12-Feb-19
0001563844	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	12-Feb-19
0001563845	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	12-Feb-19
0001563846	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	12-Feb-19
0001563848	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	12-Feb-19
0001563850	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	12-Feb-19
0001563851	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	12-Feb-19
0001563847	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	12-Feb-19
0001563852	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	12-Feb-19
0001563855	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	12-Feb-19
0001563854	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	12-Feb-19
0001563856	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	12-Feb-19
0001563857	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	12-Feb-19
0001563853	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	12-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001563858	-	Nitrogen UHP	220	Cubic Feet(CF)	12-Feb-19
0001563876	-	Nitrogen UHP	220	Cubic Feet(CF)	12-Feb-19
0001563859	-	Nitrogen UHP	220	Cubic Feet(CF)	12-Feb-19
0001563879	-	Nitrogen UHP	220	Cubic Feet(CF)	12-Feb-19
0001563860	-	Nitrogen UHP	220	Cubic Feet(CF)	12-Feb-19
0001563864	-	Nitrogen UHP	220	Cubic Feet(CF)	12-Feb-19
0001563861	-	Nitrogen UHP	220	Cubic Feet(CF)	12-Feb-19
0001563862	-	Nitrogen UHP	220	Cubic Feet(CF)	12-Feb-19
0001563877	-	Nitrogen UHP	220	Cubic Feet(CF)	12-Feb-19
0001563868	-	Nitrogen UHP	220	Cubic Feet(CF)	12-Feb-19
0001563881	-	Nitrogen UHP	220	Cubic Feet(CF)	12-Feb-19
0001563880	-	Nitrogen UHP	220	Cubic Feet(CF)	12-Feb-19
0001563865	-	Nitrogen UHP	220	Cubic Feet(CF)	12-Feb-19
0001563866	-	Nitrogen UHP	220	Cubic Feet(CF)	12-Feb-19
0001563882	-	Nitrogen UHP	220	Cubic Feet(CF)	12-Feb-19
0001563867	-	Nitrogen UHP	220	Cubic Feet(CF)	12-Feb-19
0001563878	-	Nitrogen UHP	220	Cubic Feet(CF)	12-Feb-19
0001563863	-	Nitrogen UHP	220	Cubic Feet(CF)	12-Feb-19
0001563875	-	Nitrogen UHP	220	Cubic Feet(CF)	12-Feb-19
0001563869	-	Nitrogen UHP	220	Cubic Feet(CF)	12-Feb-19
0001563870	-	Nitrogen UHP	220	Cubic Feet(CF)	12-Feb-19
0001563871	-	Nitrogen UHP	220	Cubic Feet(CF)	12-Feb-19
0001563872	-	Nitrogen UHP	220	Cubic Feet(CF)	12-Feb-19
0001563873	-	Nitrogen UHP	220	Cubic Feet(CF)	12-Feb-19
0001563874	-	Nitrogen UHP	220	Cubic Feet(CF)	12-Feb-19
0001501688	-	AEON 9000 ROTARY SCREW LU	5	Gallon(GAL)	12-Feb-19
0001563883	7440-59-7	HELIUM	220	Cubic Feet(CF)	12-Feb-19
0001563891	7440-59-7	HELIUM	220	Cubic Feet(CF)	12-Feb-19
0001563884	7440-59-7	HELIUM	220	Cubic Feet(CF)	12-Feb-19
0001563895	7440-59-7	HELIUM	220	Cubic Feet(CF)	12-Feb-19
0001563894	7440-59-7	HELIUM	220	Cubic Feet(CF)	12-Feb-19
0001563893	7440-59-7	HELIUM	220	Cubic Feet(CF)	12-Feb-19
0001563890	7440-59-7	HELIUM	220	Cubic Feet(CF)	12-Feb-19
0001563885	7440-59-7	HELIUM	220	Cubic Feet(CF)	12-Feb-19
0001563886	7440-59-7	HELIUM	220	Cubic Feet(CF)	12-Feb-19
0001563887	7440-59-7	HELIUM	220	Cubic Feet(CF)	12-Feb-19
0001563888	7440-59-7	HELIUM	220	Cubic Feet(CF)	12-Feb-19
0001563889	7440-59-7	HELIUM	220	Cubic Feet(CF)	12-Feb-19
0001563892	7440-59-7	HELIUM	220	Cubic Feet(CF)	12-Feb-19
0001563896	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	12-Feb-19
0001563905	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	12-Feb-19
0001563913	-	OXYGEN IN NITROGEN	1.2	Cubic Feet(CF)	12-Feb-19
0001563911	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Liters(L)	12-Feb-19
0001563915	-	Sulfer Dioxide/Bal Air	1.2	Cubic Feet(CF)	12-Feb-19
0001563916	7727-37-9	NITROGEN COMPRESSED GAS	0.461	Liters(L)	12-Feb-19
0001563917	-	Nitrogen UHP	220	Cubic Feet(CF)	12-Feb-19
0001563918	-	Oxygen UHP	220	Cubic Feet(CF)	12-Feb-19
0001563910	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	12-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001563909	7440-37-1	ARGON ULTRA HIGH PURITY	220	Cubic Feet(CF)	12-Feb-19
0001563908	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	12-Feb-19
0001563914	-	OXYGEN IN NITROGEN	1.2	Cubic Feet(CF)	12-Feb-19
0001563906	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	12-Feb-19
0001563912	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Liters(L)	12-Feb-19
0001563904	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	12-Feb-19
0001563903	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	12-Feb-19
0001563902	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	12-Feb-19
0001563919	-	Oxygen UHP	220	Cubic Feet(CF)	12-Feb-19
0001563920	-	Oxygen UHP	220	Cubic Feet(CF)	12-Feb-19
0001563897	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	12-Feb-19
0001563898	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	12-Feb-19
0001563899	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	12-Feb-19
0001563900	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	12-Feb-19
0001563901	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	12-Feb-19
0001563907	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	12-Feb-19
0001501689	-	VALVOLINE PREMIUM BLUE HD DIESEL OIL 15W-	1	Gallon(GAL)	12-Feb-19
0001501694	-	VALVOLINE PREMIUM BLUE HD DIESEL OIL 15W-	1	Gallon(GAL)	12-Feb-19
0001501691	-	VALVOLINE PREMIUM BLUE HD DIESEL OIL 15W-	1	Gallon(GAL)	12-Feb-19
0001501692	-	VALVOLINE PREMIUM BLUE HD DIESEL OIL 15W-	1	Gallon(GAL)	12-Feb-19
0001501690	-	VALVOLINE PREMIUM BLUE HD DIESEL OIL 15W-	1	Gallon(GAL)	12-Feb-19
0001501693	-	VALVOLINE PREMIUM BLUE HD DIESEL OIL 15W-	1	Gallon(GAL)	12-Feb-19
0001501695	-	WEST C-358	55	Gallon(GAL)	12-Feb-19
0001501702	-	WEST C-358	55	Gallon(GAL)	12-Feb-19
0001501703	-	WEST C-358	55	Gallon(GAL)	12-Feb-19
0001501704	-	WEST C-358	55	Gallon(GAL)	12-Feb-19
0001501699	-	WEST C-358	55	Gallon(GAL)	12-Feb-19
0001501716	-	WEST C-358	55	Gallon(GAL)	12-Feb-19
0001501701	-	WEST C-358	55	Gallon(GAL)	12-Feb-19
0001501698	-	WEST C-358	55	Gallon(GAL)	12-Feb-19
0001501697	-	WEST C-358	55	Gallon(GAL)	12-Feb-19
0001501696	-	WEST C-358	55	Gallon(GAL)	12-Feb-19
0001501705	-	WEST C-358	55	Gallon(GAL)	12-Feb-19
0001501717	-	WEST C-358	55	Gallon(GAL)	12-Feb-19
0001501715	-	WEST C-358	55	Gallon(GAL)	12-Feb-19
0001501714	-	WEST C-358	55	Gallon(GAL)	12-Feb-19
0001501713	-	WEST C-358	55	Gallon(GAL)	12-Feb-19
0001501712	-	WEST C-358	55	Gallon(GAL)	12-Feb-19
0001501706	-	WEST C-358	55	Gallon(GAL)	12-Feb-19
0001501711	-	WEST C-358	55	Gallon(GAL)	12-Feb-19
0001501710	-	WEST C-358	55	Gallon(GAL)	12-Feb-19
0001501708	-	WEST C-358	55	Gallon(GAL)	12-Feb-19
0001501709	-	WEST C-358	55	Gallon(GAL)	12-Feb-19
0001501700	-	WEST C-358	55	Gallon(GAL)	12-Feb-19
0001501707	-	WEST C-358	55	Gallon(GAL)	12-Feb-19
0001501718	-	WEST C-358	55	Gallon(GAL)	12-Feb-19
0001501721	-	SUMMIT SH-46 SYNTHETIC LUBRICANT	1	Gallon(GAL)	12-Feb-19
0001501728	-	SUMMIT SH-46 SYNTHETIC LUBRICANT	1	Gallon(GAL)	12-Feb-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001501727	-	SUMMIT SH-46 SYNTHETIC LUBRICANT	1	Gallon(GAL)	12-Feb-19
0001501726	-	SUMMIT SH-46 SYNTHETIC LUBRICANT	1	Gallon(GAL)	12-Feb-19
0001501725	-	SUMMIT SH-46 SYNTHETIC LUBRICANT	1	Gallon(GAL)	12-Feb-19
0001501724	-	SUMMIT SH-46 SYNTHETIC LUBRICANT	1	Gallon(GAL)	12-Feb-19
0001501722	-	SUMMIT SH-46 SYNTHETIC LUBRICANT	1	Gallon(GAL)	12-Feb-19
0001501723	-	SUMMIT SH-46 SYNTHETIC LUBRICANT	1	Gallon(GAL)	12-Feb-19
0001501731	-	SUMMIT SH-46 SYNTHETIC LUBRICANT	1	Gallon(GAL)	12-Feb-19
0001501730	-	SUMMIT SH-46 SYNTHETIC LUBRICANT	1	Gallon(GAL)	12-Feb-19
0001501732	-	SUMMIT SH-46 SYNTHETIC LUBRICANT	1	Gallon(GAL)	12-Feb-19
0001501729	-	SUMMIT SH-46 SYNTHETIC LUBRICANT	1	Gallon(GAL)	12-Feb-19
0001501733	-	QUIN-CIP RECIPROCATING OIL ISO-100	1	Gallon(GAL)	12-Feb-19
0001501736	-	QUIN-CIP RECIPROCATING OIL ISO-100	1	Gallon(GAL)	12-Feb-19
0001501734	-	QUIN-CIP RECIPROCATING OIL ISO-100	1	Gallon(GAL)	12-Feb-19
0001501735	-	QUIN-CIP RECIPROCATING OIL ISO-100	1	Gallon(GAL)	12-Feb-19
0001501737	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	12-Feb-19
0001501755	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	12-Feb-19
0001501756	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	12-Feb-19
0001501744	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	12-Feb-19
0001501751	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	12-Feb-19
0001501752	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	12-Feb-19
0001501753	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	12-Feb-19
0001501745	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	12-Feb-19
0001501746	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	12-Feb-19
0001501747	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	12-Feb-19
0001501748	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	12-Feb-19
0001501750	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	12-Feb-19
0001501739	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	12-Feb-19
0001501738	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	12-Feb-19
0001501740	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	12-Feb-19
0001501741	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	12-Feb-19
0001501742	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	12-Feb-19
0001501743	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	12-Feb-19
0001501754	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	12-Feb-19
0001501749	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	12-Feb-19
0001501757	-	PSX 700 CURE	0.2	Gallon(GAL)	12-Feb-19
0001501766	-	PSX 700 CURE	0.2	Gallon(GAL)	12-Feb-19
0001501758	-	PSX 700 CURE	0.2	Gallon(GAL)	12-Feb-19
0001501759	-	PSX 700 CURE	0.2	Gallon(GAL)	12-Feb-19
0001501760	-	PSX 700 CURE	0.2	Gallon(GAL)	12-Feb-19
0001501761	-	PSX 700 CURE	0.2	Gallon(GAL)	12-Feb-19
0001501762	-	PSX 700 CURE	0.2	Gallon(GAL)	12-Feb-19
0001501763	-	PSX 700 CURE	0.2	Gallon(GAL)	12-Feb-19
0001501765	-	PSX 700 CURE	0.2	Gallon(GAL)	12-Feb-19
0001501770	-	PSX 700 CURE	0.2	Gallon(GAL)	12-Feb-19
0001501767	-	PSX 700 CURE	0.2	Gallon(GAL)	12-Feb-19
0001501768	-	PSX 700 CURE	0.2	Gallon(GAL)	12-Feb-19
0001501776	-	PSX 700 CURE	0.2	Gallon(GAL)	12-Feb-19
0001501774	-	PSX 700 CURE	0.2	Gallon(GAL)	12-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001501773	-	PSX 700 CURE	0.2	Gallon(GAL)	12-Feb-19
0001501775	-	PSX 700 CURE	0.2	Gallon(GAL)	12-Feb-19
0001501772	-	PSX 700 CURE	0.2	Gallon(GAL)	12-Feb-19
0001501771	-	PSX 700 CURE	0.2	Gallon(GAL)	12-Feb-19
0001501769	-	PSX 700 CURE	0.2	Gallon(GAL)	12-Feb-19
0001501764	-	PSX 700 CURE	0.2	Gallon(GAL)	12-Feb-19
0001501777	-	LACQUER THINNER	1	Gallon(GAL)	12-Feb-19
0001501778	-	LACQUER THINNER	1	Gallon(GAL)	12-Feb-19
0001501779	-	KRUD KUTTER	1	Gallon(GAL)	12-Feb-19
0001501780	-	KRUD KUTTER	1	Gallon(GAL)	12-Feb-19
V000002256	-	ARDEX FEATHER FINISH	10	Pounds(LB)	12-Feb-19
V00000224F	-	ARDEX FEATHER FINISH	10	Pounds(LB)	12-Feb-19
V000002259	-	ARDEX FEATHER FINISH	10	Pounds(LB)	12-Feb-19
V000002257	-	ARDEX FEATHER FINISH	10	Pounds(LB)	12-Feb-19
V000002255	-	ARDEX FEATHER FINISH	10	Pounds(LB)	12-Feb-19
V000002254	-	ARDEX FEATHER FINISH	10	Pounds(LB)	12-Feb-19
V000002253	-	ARDEX FEATHER FINISH	10	Pounds(LB)	12-Feb-19
V000002251	-	ARDEX FEATHER FINISH	10	Pounds(LB)	12-Feb-19
V000002250	-	ARDEX FEATHER FINISH	10	Pounds(LB)	12-Feb-19
V00000224B	-	ARDEX FEATHER FINISH	10	Pounds(LB)	12-Feb-19
V00000224E	-	ARDEX FEATHER FINISH	10	Pounds(LB)	12-Feb-19
V00000224C	-	ARDEX FEATHER FINISH	10	Pounds(LB)	12-Feb-19
V000002252	-	ARDEX FEATHER FINISH	10	Pounds(LB)	12-Feb-19
V000002258	-	ARDEX FEATHER FINISH	10	Pounds(LB)	12-Feb-19
V00000224D	-	ARDEX FEATHER FINISH	10	Pounds(LB)	12-Feb-19
0001501885	-	SULLUBE COMPRESSOR FLUID	5	Gallon(GAL)	12-Feb-19
0001501887	-	SULLUBE COMPRESSOR FLUID	5	Gallon(GAL)	12-Feb-19
0001501886	-	SULLUBE COMPRESSOR FLUID	5	Gallon(GAL)	12-Feb-19
0001501881	-	DYNALUBE	5	Gallon(GAL)	12-Feb-19
0001501884	-	DYNALUBE	5	Gallon(GAL)	12-Feb-19
0001501883	-	DYNALUBE	5	Gallon(GAL)	12-Feb-19
0001501882	-	DYNALUBE	5	Gallon(GAL)	12-Feb-19
0001501888	-	FIREFIGHTER GL48	5	Gallon(GAL)	12-Feb-19
0001501889	-	FIREFIGHTER GL48	5	Gallon(GAL)	12-Feb-19
0001500838	-	HANDY FLUX and HANDY FLUX SLS	113	Gram(GM)	13-Feb-19
0001500840	-	HANDY FLUX and HANDY FLUX SLS	113	Gram(GM)	13-Feb-19
0001500843	-	HANDY FLUX and HANDY FLUX SLS	113	Gram(GM)	13-Feb-19
0001500842	-	HANDY FLUX and HANDY FLUX SLS	113	Gram(GM)	13-Feb-19
0001500841	-	HANDY FLUX and HANDY FLUX SLS	113	Gram(GM)	13-Feb-19
0001500839	-	HANDY FLUX and HANDY FLUX SLS	113	Gram(GM)	13-Feb-19
0001500166	-	HANDY FLUX and HANDY FLUX SLS	113	Gram(GM)	13-Feb-19
0001500167	-	HANDY FLUX and HANDY FLUX SLS	113	Gram(GM)	13-Feb-19
0001500168	-	HANDY FLUX and HANDY FLUX SLS	113	Gram(GM)	13-Feb-19
0001500169	-	HANDY FLUX and HANDY FLUX SLS	113	Gram(GM)	13-Feb-19
0001500170	-	HANDY FLUX and HANDY FLUX SLS	113	Gram(GM)	13-Feb-19
0001500171	-	HANDY FLUX and HANDY FLUX SLS	113	Gram(GM)	13-Feb-19
0001500172	-	HANDY FLUX and HANDY FLUX SLS	113	Gram(GM)	13-Feb-19
0001500173	-	HANDY FLUX and HANDY FLUX SLS	113	Gram(GM)	13-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001500174	-	HANDY FLUX and HANDY FLUX SLS	113	Gram(GM)	13-Feb-19
0001500201	-	ARDEX FEATHER FINISH	10	Pounds(LB)	13-Feb-19
0001500202	-	ARDEX FEATHER FINISH	10	Pounds(LB)	13-Feb-19
0001500204	-	ARDEX FEATHER FINISH	10	Pounds(LB)	13-Feb-19
0001500203	-	ARDEX FEATHER FINISH	10	Pounds(LB)	13-Feb-19
0001501292	-	FIREFIGHTER GL48	5	Gallon(GAL)	13-Feb-19
0001501291	-	FIREFIGHTER GL48	5	Gallon(GAL)	13-Feb-19
0001501781	-	LW SIL2 METAL METALLIC GRAY 12C	10	Ounces(OZ)	13-Feb-19
0001501880	-	LW SIL2 METAL METALLIC GRAY 12C	10	Ounces(OZ)	13-Feb-19
0001516003	7439-95-4	MAGNESIUM POWDER	100	Gram(GM)	13-Feb-19
0001516931	109-99-9	TETRAHYDROFURAN HPLC GRADE	4	Liters(L)	13-Feb-19
0001516933	109-99-9	TETRAHYDROFURAN HPLC GRADE	4	Liters(L)	13-Feb-19
0001516932	109-99-9	TETRAHYDROFURAN HPLC GRADE	4	Liters(L)	13-Feb-19
0001516934	109-99-9	TETRAHYDROFURAN HPLC GRADE	4	Liters(L)	13-Feb-19
0001516935	67-56-1	METHANOL	4	Liters(L)	13-Feb-19
0001516942	67-56-1	METHANOL	4	Liters(L)	13-Feb-19
0001516938	67-56-1	METHANOL	4	Liters(L)	13-Feb-19
0001516937	67-56-1	METHANOL	4	Liters(L)	13-Feb-19
0001516936	67-56-1	METHANOL	4	Liters(L)	13-Feb-19
0001516940	67-56-1	METHANOL	4	Liters(L)	13-Feb-19
0001516941	67-56-1	METHANOL	4	Liters(L)	13-Feb-19
0001516939	67-56-1	METHANOL	4	Liters(L)	13-Feb-19
0001517097	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517105	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517104	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517103	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517102	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517101	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517100	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517098	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517107	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517108	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517099	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517118	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517106	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517121	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517119	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517117	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517116	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517115	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517114	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517113	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517112	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517111	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517110	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517109	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517120	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517127	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001517136	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517143	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517142	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517141	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517140	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517139	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517138	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517134	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517133	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517132	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517131	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517130	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517144	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517128	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517152	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517129	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517153	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517122	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517123	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517124	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517125	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517137	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517156	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517150	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517154	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517145	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517126	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517151	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517149	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517148	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517147	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517146	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517155	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517135	7697-37-2	NITRIC ACID	2.5	Liters(L)	13-Feb-19
0001517237	1310-73-2	SODIUM HYDROXIDE	20	Liters(L)	13-Feb-19
0001517238	1310-73-2	SODIUM HYDROXIDE	20	Liters(L)	13-Feb-19
0001517239	8017-16-1	POLYPHOSPHORIC ACID	500	Milliliter(ML)	13-Feb-19
0001517240	7040-58-6	Dipinacolyl methylphosphonate	2	Gram(GM)	13-Feb-19
0001517241	7040-58-6	Dipinacolyl methylphosphonate	2	Gram(GM)	13-Feb-19
0001517242	7787-69-1	CESIUM BROMIDE	250	Gram(GM)	13-Feb-19
0001517243	-	EGC III KOH	970	Milliliter(ML)	13-Feb-19
0001517244	6156-78-1	Manganese(II) acetate tetrahydrate Puratronic	250	Gram(GM)	13-Feb-19
0001517245	5970-45-6	ZINC ACETATE DIHYDRATE	250	Gram(GM)	13-Feb-19
0001517246	3849-21-6	Ethyl (hydroxyimino)cyanoacetate tech. ~95%	1	Kilograms(KG)	13-Feb-19
0001517247	3849-21-6	Ethyl (hydroxyimino)cyanoacetate tech. ~95%	1	Kilograms(KG)	13-Feb-19
0001517248	67-63-0	2-PROPANOL	4	Liters(L)	13-Feb-19
0001517251	67-63-0	2-PROPANOL	4	Liters(L)	13-Feb-19
0001517250	67-63-0	2-PROPANOL	4	Liters(L)	13-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001517249	67-63-0	2-PROPANOL	4	Liters(L)	13-Feb-19
0001517252	7726-95-6	BROMINE CERTIFIED ACS	100	Gram(GM)	13-Feb-19
0001517253	54-42-2	5-IODO-2'-DEOXYURIDINE	100	Gram(GM)	13-Feb-19
0001517263	108-87-2	METHYLCYCLOHEXANE	1	Liters(L)	13-Feb-19
0001517264	64-17-5	ETHANOL 200 PROOF	4	Liters(L)	13-Feb-19
0001517267	64-17-5	ETHANOL 200 PROOF	4	Liters(L)	13-Feb-19
0001517266	64-17-5	ETHANOL 200 PROOF	4	Liters(L)	13-Feb-19
0001517265	64-17-5	ETHANOL 200 PROOF	4	Liters(L)	13-Feb-19
0001517268	1486-28-8	METHYLDIPHENYLPHOSPHINE	5	Gallon(GAL)	13-Feb-19
0001517282	-	POTASSIUM HYDROXIDE	1	Gallon(GAL)	13-Feb-19
0001517269	112-30-1	1-DECANOL	500	Milliliter(ML)	13-Feb-19
0001517270	112-30-1	1-DECANOL	500	Milliliter(ML)	13-Feb-19
0001517271	214360-73-3	4-Aminophenylboronic acid pinacol ester	25	Gram(GM)	13-Feb-19
0001517272	74257-00-4	1-(2-MESITYLENSESULFONYL)-3-NITRO-1H-1 2 4-	5	Gram(GM)	13-Feb-19
0001517275	74257-00-4	1-(2-MESITYLENSESULFONYL)-3-NITRO-1H-1 2 4-	5	Gram(GM)	13-Feb-19
0001517273	74257-00-4	1-(2-MESITYLENSESULFONYL)-3-NITRO-1H-1 2 4-	5	Gram(GM)	13-Feb-19
0001517274	74257-00-4	1-(2-MESITYLENSESULFONYL)-3-NITRO-1H-1 2 4-	5	Gram(GM)	13-Feb-19
0001517276	7697-37-2	NITRIC ACID OPTIMA	500	Milliliter(ML)	13-Feb-19
0001517277	7697-37-2	NITRIC ACID OPTIMA	500	Milliliter(ML)	13-Feb-19
0001517278	7697-37-2	NITRIC ACID OPTIMA	500	Milliliter(ML)	13-Feb-19
0001517279	7697-37-2	NITRIC ACID OPTIMA	500	Milliliter(ML)	13-Feb-19
0001517280	112-40-3	DODECANE	2500	Milliliter(ML)	13-Feb-19
0001517281	112-40-3	DODECANE	2500	Milliliter(ML)	13-Feb-19
0001517283	75-09-2	DICHLOROMETHANE	2.5	Liters(L)	13-Feb-19
0001517284	75-09-2	DICHLOROMETHANE	2.5	Liters(L)	13-Feb-19
0001517285	75-09-2	DICHLOROMETHANE	2.5	Liters(L)	13-Feb-19
0001517309	112926-00-8	DRAFT CHECKER AIRFLOW DETECTION POWDER	1.5	Gram(GM)	13-Feb-19
0001517310	112926-00-8	DRAFT CHECKER AIRFLOW DETECTION POWDER	1.5	Gram(GM)	13-Feb-19
V00000229B	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V000002268	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V000002295	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V000002296	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V000002297	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V000002299	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V000002294	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V00000228C	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V000002298	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V000002293	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V000002292	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V000002291	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V000002290	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V00000228F	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V00000229D	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V00000228D	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V0000022A6	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V00000228B	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V00000228A	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V00000228E	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V0000022A9	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V0000022AB	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V0000022AC	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V0000022AD	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V00000229A	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V0000022AE	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V000002289	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V0000022AF	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V0000022A4	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V0000022AA	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V00000229E	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V0000022A8	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V0000022A7	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V0000022A5	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V0000022A3	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V0000022A2	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V0000022A1	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V0000022A0	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V00000229F	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V0000022B0	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V000002269	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V000002274	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V000002273	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V000002271	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V00000226F	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V00000226E	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V00000226D	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V00000226C	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V000002275	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V00000226A	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V000002272	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V000002261	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V000002262	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V000002263	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V000002264	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V000002265	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V000002266	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V00000229C	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V000002288	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V00000226B	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V000002280	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V000002287	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V000002286	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V000002285	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V000002284	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V000002283	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V000002270	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V000002281	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002276	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V00000227F	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V00000227E	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V00000227C	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V00000227B	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V00000227A	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V000002279	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V000002278	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V000002267	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V00000227D	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V000002282	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V000002277	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	13-Feb-19
V0000022C7	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	13-Feb-19
V0000022BE	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	13-Feb-19
V0000022C8	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	13-Feb-19
V0000022C0	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	13-Feb-19
V0000022C2	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	13-Feb-19
V0000022C3	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	13-Feb-19
V0000022C4	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	13-Feb-19
V0000022C6	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	13-Feb-19
V0000022BF	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	13-Feb-19
V0000022BD	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	13-Feb-19
V0000022C5	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	13-Feb-19
V0000022B5	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	13-Feb-19
V0000022BC	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	13-Feb-19
V0000022B2	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	13-Feb-19
V0000022C1	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	13-Feb-19
V0000022B4	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	13-Feb-19
V0000022B1	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	13-Feb-19
V0000022B6	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	13-Feb-19
V0000022B7	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	13-Feb-19
V0000022B8	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	13-Feb-19
V0000022B9	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	13-Feb-19
V0000022BA	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	13-Feb-19
V0000022BB	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	13-Feb-19
V0000022B3	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	13-Feb-19
V0000022D6	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	13-Feb-19
V0000022D7	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	13-Feb-19
V0000022D8	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	13-Feb-19
V0000022DA	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	13-Feb-19
V0000022DC	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	13-Feb-19
V0000022DD	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	13-Feb-19
V0000022DE	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	13-Feb-19
V0000022D5	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	13-Feb-19
V0000022E0	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	13-Feb-19
V0000022D9	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	13-Feb-19
V0000022DF	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	13-Feb-19
V0000022CB	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	13-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V0000022DB	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	13-Feb-19
V0000022D4	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	13-Feb-19
V0000022CA	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	13-Feb-19
V0000022CC	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	13-Feb-19
V0000022CD	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	13-Feb-19
V0000022CE	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	13-Feb-19
V0000022CF	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	13-Feb-19
V0000022D0	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	13-Feb-19
V0000022D1	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	13-Feb-19
V0000022D2	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	13-Feb-19
V0000022D3	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	13-Feb-19
V0000022C9	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	13-Feb-19
V0000022E1	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	13-Feb-19
V0000022E2	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	13-Feb-19
V0000022E5	-	RV ANTIFREEZE	1	Gallon(GAL)	13-Feb-19
V0000022EA	-	RV ANTIFREEZE	1	Gallon(GAL)	13-Feb-19
V0000022EE	-	RV ANTIFREEZE	1	Gallon(GAL)	13-Feb-19
V0000022ED	-	RV ANTIFREEZE	1	Gallon(GAL)	13-Feb-19
V0000022EC	-	RV ANTIFREEZE	1	Gallon(GAL)	13-Feb-19
V0000022EB	-	RV ANTIFREEZE	1	Gallon(GAL)	13-Feb-19
V0000022E9	-	RV ANTIFREEZE	1	Gallon(GAL)	13-Feb-19
V0000022E8	-	RV ANTIFREEZE	1	Gallon(GAL)	13-Feb-19
V0000022E6	-	RV ANTIFREEZE	1	Gallon(GAL)	13-Feb-19
V0000022E4	-	RV ANTIFREEZE	1	Gallon(GAL)	13-Feb-19
V0000022E3	-	RV ANTIFREEZE	1	Gallon(GAL)	13-Feb-19
V0000022E7	-	RV ANTIFREEZE	1	Gallon(GAL)	13-Feb-19
V0000022EF	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	13-Feb-19
V0000022F0	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	13-Feb-19
0001573082	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	13-Feb-19
0001573083	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	13-Feb-19
0001574219	-	Parts Plus SAE 80W-90 GEAR OIL	5	Gallon(GAL)	13-Feb-19
0001574220	-	CRC BRAKLEEN BRAKE CLEANER	14	Ounces(OZ)	13-Feb-19
0001574224	-	DIESEL FUEL SUPPLEMENT	32	Ounces(OZ)	13-Feb-19
0001573084	-	Mobil 1 5W-40	1	Gallon(GAL)	13-Feb-19
0001573085	-	Mobil 1 5W-40	1	Gallon(GAL)	13-Feb-19
0001573086	-	Mobil 1 5W-40	1	Gallon(GAL)	13-Feb-19
0001574200	-	Mobil 1 5W-40	1	Gallon(GAL)	13-Feb-19
0001574201	-	Mobil 1 5W-40	1	Gallon(GAL)	13-Feb-19
0001574203	-	Mobil 1 5W-40	1	Gallon(GAL)	13-Feb-19
0001574202	-	Mobil 1 5W-40	1	Gallon(GAL)	13-Feb-19
0001574204	-	AW HYDRAULIC FLUID ISO 32	5	Gallon(GAL)	13-Feb-19
0001574206	-	AW HYDRAULIC FLUID ISO 32	5	Gallon(GAL)	13-Feb-19
0001574207	-	AW HYDRAULIC FLUID ISO 32	5	Gallon(GAL)	13-Feb-19
0001574205	-	AW HYDRAULIC FLUID ISO 32	5	Gallon(GAL)	13-Feb-19
0001574212	-	AW HYDRAULIC FLUID ISO 32	5	Gallon(GAL)	13-Feb-19
0001574208	-	AW HYDRAULIC FLUID ISO 32	5	Gallon(GAL)	13-Feb-19
0001574211	-	AW HYDRAULIC FLUID ISO 32	5	Gallon(GAL)	13-Feb-19
0001574210	-	AW HYDRAULIC FLUID ISO 32	5	Gallon(GAL)	13-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001574209	-	AW HYDRAULIC FLUID ISO 32	5	Gallon(GAL)	13-Feb-19
0001574213	-	Service Pro Premium AW Hydraulic Oil AW 32	5	Gallon(GAL)	13-Feb-19
0001574215	-	Service Pro Premium AW Hydraulic Oil AW 32	5	Gallon(GAL)	13-Feb-19
0001574214	-	Service Pro Premium AW Hydraulic Oil AW 32	5	Gallon(GAL)	13-Feb-19
0001574216	-	CAT TRANSMISSION & DRIVETRAIN OIL SAE 30	5	Gallon(GAL)	13-Feb-19
0001574218	-	CAT TRANSMISSION & DRIVETRAIN OIL SAE 30	5	Gallon(GAL)	13-Feb-19
0001574217	-	CAT TRANSMISSION & DRIVETRAIN OIL SAE 30	5	Gallon(GAL)	13-Feb-19
0001574221	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	13-Feb-19
0001574223	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	13-Feb-19
0001574222	-	SPLASH Original Blue Windshield Wash	1	Gallon(GAL)	13-Feb-19
V0000022F1	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	13-Feb-19
0001487355	-	GORILLA GLUE	0.11	Gram(GM)	13-Feb-19
0001487357	-	GORILLA GLUE	0.11	Gram(GM)	13-Feb-19
0001487356	-	GORILLA GLUE	0.11	Gram(GM)	13-Feb-19
0001487358	-	GORILLA GLUE	0.11	Gram(GM)	13-Feb-19
0001487719	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487764	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487732	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487745	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487744	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487743	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487742	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487741	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487740	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487739	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487738	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487737	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487736	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487735	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487766	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487733	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487748	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487731	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487730	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487729	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487728	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487727	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487726	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487725	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487724	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487723	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487722	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487721	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487720	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487734	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487760	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487775	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487774	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001487773	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487772	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487771	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487770	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487769	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487768	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487767	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487765	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487763	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487746	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487761	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487747	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487759	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487758	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487757	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487756	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487755	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487754	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487753	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487752	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487751	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487750	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487749	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487776	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487762	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487799	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487789	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487794	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487795	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487782	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487783	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487784	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487785	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487786	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487779	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487797	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487788	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487798	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487790	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487818	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487791	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487801	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487792	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487793	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487777	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487778	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487787	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487808	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001487817	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487816	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487815	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487780	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487814	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487813	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487812	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487811	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487796	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487809	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487807	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487806	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487805	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487804	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487803	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487802	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487800	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487781	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001487810	-	HARDMAN DOUBLE/BUBBLE EPOXY	3.5	Ounces(OZ)	13-Feb-19
0001488769	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	13-Feb-19
0001488772	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	13-Feb-19
0001488771	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	13-Feb-19
0001488770	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	13-Feb-19
0001488765	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	13-Feb-19
0001488767	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	13-Feb-19
0001488766	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	13-Feb-19
0001488768	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	13-Feb-19
0001487346	-	TRI-FLOW SUPERIOR LUBRICANT	6	Ounces(OZ)	13-Feb-19
0001487351	-	TRI-FLOW SUPERIOR LUBRICANT	6	Ounces(OZ)	13-Feb-19
0001487350	-	TRI-FLOW SUPERIOR LUBRICANT	6	Ounces(OZ)	13-Feb-19
0001487349	-	TRI-FLOW SUPERIOR LUBRICANT	6	Ounces(OZ)	13-Feb-19
0001487348	-	TRI-FLOW SUPERIOR LUBRICANT	6	Ounces(OZ)	13-Feb-19
0001487347	-	TRI-FLOW SUPERIOR LUBRICANT	6	Ounces(OZ)	13-Feb-19
0001488773	-	LIQUID NAILS	10	Ounces(OZ)	13-Feb-19
0001488775	-	LIQUID NAILS	10	Ounces(OZ)	13-Feb-19
0001488781	-	LIQUID NAILS	10	Ounces(OZ)	13-Feb-19
0001488780	-	LIQUID NAILS	10	Ounces(OZ)	13-Feb-19
0001488779	-	LIQUID NAILS	10	Ounces(OZ)	13-Feb-19
0001488778	-	LIQUID NAILS	10	Ounces(OZ)	13-Feb-19
0001488776	-	LIQUID NAILS	10	Ounces(OZ)	13-Feb-19
0001488774	-	LIQUID NAILS	10	Ounces(OZ)	13-Feb-19
0001488777	-	LIQUID NAILS	10	Ounces(OZ)	13-Feb-19
0001487353	-	Mobil Vacuoline 1409	5	Gallon(GAL)	13-Feb-19
0001487354	-	Mobil Vacuoline 1409	5	Gallon(GAL)	13-Feb-19
0001487344	-	CIMCLEAN 40	5	Gallon(GAL)	13-Feb-19
0001487345	-	CIMCLEAN 40	5	Gallon(GAL)	13-Feb-19
0001487352	-	STARRETT CLEANER FOR GRANITE SURFACE	1	Gallon(GAL)	13-Feb-19
0001488745	-	EPOXY PUTTY	2	Ounces(OZ)	13-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001488760	-	EPOXY PUTTY	2	Ounces(OZ)	13-Feb-19
0001488754	-	EPOXY PUTTY	2	Ounces(OZ)	13-Feb-19
0001488746	-	EPOXY PUTTY	2	Ounces(OZ)	13-Feb-19
0001488747	-	EPOXY PUTTY	2	Ounces(OZ)	13-Feb-19
0001488748	-	EPOXY PUTTY	2	Ounces(OZ)	13-Feb-19
0001488749	-	EPOXY PUTTY	2	Ounces(OZ)	13-Feb-19
0001488750	-	EPOXY PUTTY	2	Ounces(OZ)	13-Feb-19
0001488751	-	EPOXY PUTTY	2	Ounces(OZ)	13-Feb-19
0001488752	-	EPOXY PUTTY	2	Ounces(OZ)	13-Feb-19
0001488753	-	EPOXY PUTTY	2	Ounces(OZ)	13-Feb-19
0001488755	-	EPOXY PUTTY	2	Ounces(OZ)	13-Feb-19
0001488756	-	EPOXY PUTTY	2	Ounces(OZ)	13-Feb-19
0001488757	-	EPOXY PUTTY	2	Ounces(OZ)	13-Feb-19
0001488758	-	EPOXY PUTTY	2	Ounces(OZ)	13-Feb-19
0001488759	-	EPOXY PUTTY	2	Ounces(OZ)	13-Feb-19
0001488761	-	EPOXY PUTTY	2	Ounces(OZ)	13-Feb-19
0001488763	-	EPOXY PUTTY	2	Ounces(OZ)	13-Feb-19
0001488764	-	EPOXY PUTTY	2	Ounces(OZ)	13-Feb-19
0001488762	-	EPOXY PUTTY	2	Ounces(OZ)	13-Feb-19
0001488727	-	Steel Reinforced Epoxy Resin	25	Milliliter(ML)	13-Feb-19
0001488740	-	Steel Reinforced Epoxy Resin	25	Milliliter(ML)	13-Feb-19
0001488741	-	Steel Reinforced Epoxy Resin	25	Milliliter(ML)	13-Feb-19
0001488744	-	Steel Reinforced Epoxy Resin	25	Milliliter(ML)	13-Feb-19
0001488743	-	Steel Reinforced Epoxy Resin	25	Milliliter(ML)	13-Feb-19
0001488729	-	Steel Reinforced Epoxy Resin	25	Milliliter(ML)	13-Feb-19
0001488742	-	Steel Reinforced Epoxy Resin	25	Milliliter(ML)	13-Feb-19
0001488728	-	Steel Reinforced Epoxy Resin	25	Milliliter(ML)	13-Feb-19
0001488739	-	Steel Reinforced Epoxy Resin	25	Milliliter(ML)	13-Feb-19
0001488730	-	Steel Reinforced Epoxy Resin	25	Milliliter(ML)	13-Feb-19
0001488731	-	Steel Reinforced Epoxy Resin	25	Milliliter(ML)	13-Feb-19
0001488732	-	Steel Reinforced Epoxy Resin	25	Milliliter(ML)	13-Feb-19
0001488733	-	Steel Reinforced Epoxy Resin	25	Milliliter(ML)	13-Feb-19
0001488735	-	Steel Reinforced Epoxy Resin	25	Milliliter(ML)	13-Feb-19
0001488736	-	Steel Reinforced Epoxy Resin	25	Milliliter(ML)	13-Feb-19
0001488737	-	Steel Reinforced Epoxy Resin	25	Milliliter(ML)	13-Feb-19
0001488738	-	Steel Reinforced Epoxy Resin	25	Milliliter(ML)	13-Feb-19
0001488734	-	Steel Reinforced Epoxy Resin	25	Milliliter(ML)	13-Feb-19
0001516945	-	Carbon and Sulfur in Wrought Iron CRM	454	Gram(GM)	13-Feb-19
0001516946	-	Carbon and Sulfur in Wrought Iron CRM	454	Gram(GM)	13-Feb-19
0001516947	-	NITROGEN AMMONIA STANDARD	500	Milliliter(ML)	13-Feb-19
0001516948	-	NITROGEN AMMONIA STANDARD	500	Milliliter(ML)	13-Feb-19
0001516949	-	NITROGEN AMMONIA STANDARD	500	Milliliter(ML)	13-Feb-19
0001516950	-	NITROGEN AMMONIA STANDARD	500	Milliliter(ML)	13-Feb-19
0001516971	-	INDICATOR SOLUTION AMTAX 0 2-12 mg/L	1	Liters(L)	13-Feb-19
0001516973	-	INDICATOR SOLUTION AMTAX 0 2-12 mg/L	1	Liters(L)	13-Feb-19
0001516974	-	INDICATOR SOLUTION AMTAX 0 2-12 mg/L	1	Liters(L)	13-Feb-19
0001516972	-	INDICATOR SOLUTION AMTAX 0 2-12 mg/L	1	Liters(L)	13-Feb-19
0001517158	-	Qubit 4 Quantitation Starter Kit	400	Milliliter(ML)	13-Feb-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001517286	57-55-6	PROPYLENE GLYCOL	1	Gram(GM)	13-Feb-19
0001517289	57-55-6	PROPYLENE GLYCOL	1	Gram(GM)	13-Feb-19
0001517288	57-55-6	PROPYLENE GLYCOL	1	Gram(GM)	13-Feb-19
0001517287	57-55-6	PROPYLENE GLYCOL	1	Gram(GM)	13-Feb-19
0001517290	57-55-6	PROPYLENE GLYCOL	1	Gram(GM)	13-Feb-19
0001517291	1317-38-0	COPPER(II) OXIDE	50	Gram(GM)	13-Feb-19
0001517292	-	NICKEL (II) NITRATE HEXAHYDRATE	250	Gram(GM)	13-Feb-19
0001517293	1068-55-9	ISOPROPYLMAGNESIUM CHLORIDE 2.0M SOL IN	100	Milliliter(ML)	13-Feb-19
0001517294	87-62-7	2 6-DIMETHYLANILINE	100	Gram(GM)	13-Feb-19
0001517295	7440-23-5	SODIUM	100	Gram(GM)	13-Feb-19
0001517296	109-66-0	PENTANE ANHYDROUS	2	Liters(L)	13-Feb-19
0001517297	68-12-2	N N-DIMETHYLFORMAMIDE	4	Liters(L)	13-Feb-19
0001517298	-	Gagekote	10	Milliliter(ML)	14-Feb-19
0001517299	-	APIEZON Q	1	Kilograms(KG)	14-Feb-19
0001517300	Multi	Buffer EB	250	Milliliter(ML)	14-Feb-19
0001517302	Multi	Buffer EB	250	Milliliter(ML)	14-Feb-19
0001517303	Multi	Buffer EB	250	Milliliter(ML)	14-Feb-19
0001517301	Multi	Buffer EB	250	Milliliter(ML)	14-Feb-19
V000002306	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002301	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002302	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002303	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002304	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002307	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002332	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002323	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002324	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002325	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002326	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002327	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002328	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002329	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V00000232A	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V00000232B	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V00000232C	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V00000232D	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002322	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002330	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V00000232F	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002333	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002334	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002335	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002336	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002337	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002338	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002339	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V00000233A	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V00000233B	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V00000233C	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002305	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V00000232E	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002310	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002308	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002331	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002321	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002309	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V00000230A	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V00000230B	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V00000230C	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V00000230D	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V00000230F	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002311	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002312	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002313	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002314	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V00000231D	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002320	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V00000231F	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V00000230E	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V00000231E	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V00000231C	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V00000231B	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V00000231A	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002318	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002317	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002316	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002315	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002319	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	14-Feb-19
V00000235F	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002369	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002368	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002367	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002366	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002365	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V00000235D	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002363	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V00000235E	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002360	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V00000235C	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002378	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V00000236A	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002361	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V00000236B	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V00000236C	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V00000236D	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V00000236E	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V00000236F	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002370	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002371	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002372	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002373	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002374	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002375	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002377	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V00000235B	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002362	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002376	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002341	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V00000234A	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002349	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002348	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002347	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002346	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V00000234B	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002342	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002345	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002340	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V00000233F	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V00000233E	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V00000233D	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002364	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V00000235A	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002344	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002353	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002343	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002358	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V00000234C	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002356	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002355	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002354	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002357	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002359	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002352	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002351	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V000002350	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V00000234F	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V00000234E	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
V00000234D	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	14-Feb-19
0001517304	107-83-5	HEXANE MIXTURE OF ISOMERS	4	Liters(L)	14-Feb-19
0001517305	67-64-1	ACETONE FOR HPLC	4	Liters(L)	14-Feb-19
0001517306	-	SYLGARD 184	16	Ounces(OZ)	14-Feb-19
0001517307	16219-75-3	5-Ethylidene-2-norbornene	25	Milliliter(ML)	14-Feb-19
0001517308	-	TANTALUM STANDARD	100	Milliliter(ML)	14-Feb-19
0001517311	-	DOW CORNING 7 RELEASE COMPOUND	5.3	Ounces(OZ)	14-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001517337	-	DOW CORNING 7 RELEASE COMPOUND	5.3	Ounces(OZ)	14-Feb-19
0001517326	-	DOW CORNING 7 RELEASE COMPOUND	5.3	Ounces(OZ)	14-Feb-19
0001517327	-	DOW CORNING 7 RELEASE COMPOUND	5.3	Ounces(OZ)	14-Feb-19
0001517328	-	DOW CORNING 7 RELEASE COMPOUND	5.3	Ounces(OZ)	14-Feb-19
0001517329	-	DOW CORNING 7 RELEASE COMPOUND	5.3	Ounces(OZ)	14-Feb-19
0001517341	-	DOW CORNING 7 RELEASE COMPOUND	5.3	Ounces(OZ)	14-Feb-19
0001517340	-	DOW CORNING 7 RELEASE COMPOUND	5.3	Ounces(OZ)	14-Feb-19
0001517339	-	DOW CORNING 7 RELEASE COMPOUND	5.3	Ounces(OZ)	14-Feb-19
0001517331	-	DOW CORNING 7 RELEASE COMPOUND	5.3	Ounces(OZ)	14-Feb-19
0001517332	-	DOW CORNING 7 RELEASE COMPOUND	5.3	Ounces(OZ)	14-Feb-19
0001517335	-	DOW CORNING 7 RELEASE COMPOUND	5.3	Ounces(OZ)	14-Feb-19
0001517336	-	DOW CORNING 7 RELEASE COMPOUND	5.3	Ounces(OZ)	14-Feb-19
0001517325	-	DOW CORNING 7 RELEASE COMPOUND	5.3	Ounces(OZ)	14-Feb-19
0001517333	-	DOW CORNING 7 RELEASE COMPOUND	5.3	Ounces(OZ)	14-Feb-19
0001517334	-	DOW CORNING 7 RELEASE COMPOUND	5.3	Ounces(OZ)	14-Feb-19
0001517338	-	DOW CORNING 7 RELEASE COMPOUND	5.3	Ounces(OZ)	14-Feb-19
0001517314	-	DOW CORNING 7 RELEASE COMPOUND	5.3	Ounces(OZ)	14-Feb-19
0001517330	-	DOW CORNING 7 RELEASE COMPOUND	5.3	Ounces(OZ)	14-Feb-19
0001517344	-	DOW CORNING 7 RELEASE COMPOUND	5.3	Ounces(OZ)	14-Feb-19
0001517345	-	DOW CORNING 7 RELEASE COMPOUND	5.3	Ounces(OZ)	14-Feb-19
0001517346	-	DOW CORNING 7 RELEASE COMPOUND	5.3	Ounces(OZ)	14-Feb-19
0001517318	-	DOW CORNING 7 RELEASE COMPOUND	5.3	Ounces(OZ)	14-Feb-19
0001517343	-	DOW CORNING 7 RELEASE COMPOUND	5.3	Ounces(OZ)	14-Feb-19
0001517313	-	DOW CORNING 7 RELEASE COMPOUND	5.3	Ounces(OZ)	14-Feb-19
0001517312	-	DOW CORNING 7 RELEASE COMPOUND	5.3	Ounces(OZ)	14-Feb-19
0001517324	-	DOW CORNING 7 RELEASE COMPOUND	5.3	Ounces(OZ)	14-Feb-19
0001517315	-	DOW CORNING 7 RELEASE COMPOUND	5.3	Ounces(OZ)	14-Feb-19
0001517316	-	DOW CORNING 7 RELEASE COMPOUND	5.3	Ounces(OZ)	14-Feb-19
0001517317	-	DOW CORNING 7 RELEASE COMPOUND	5.3	Ounces(OZ)	14-Feb-19
0001517319	-	DOW CORNING 7 RELEASE COMPOUND	5.3	Ounces(OZ)	14-Feb-19
0001517321	-	DOW CORNING 7 RELEASE COMPOUND	5.3	Ounces(OZ)	14-Feb-19
0001517322	-	DOW CORNING 7 RELEASE COMPOUND	5.3	Ounces(OZ)	14-Feb-19
0001517323	-	DOW CORNING 7 RELEASE COMPOUND	5.3	Ounces(OZ)	14-Feb-19
0001517342	-	DOW CORNING 7 RELEASE COMPOUND	5.3	Ounces(OZ)	14-Feb-19
0001517320	-	DOW CORNING 7 RELEASE COMPOUND	5.3	Ounces(OZ)	14-Feb-19
0001517383	-	PVC PURPLE PRIMER/CLEANER	0.5	Pint(PT)	14-Feb-19
0001517384	-	PVC PURPLE PRIMER/CLEANER	0.5	Pint(PT)	14-Feb-19
0001517385	-	POLYURETHANE SATIN	11	Ounces(OZ)	14-Feb-19
0001517392	-	POLYURETHANE SATIN	11	Ounces(OZ)	14-Feb-19
0001517386	-	POLYURETHANE SATIN	11	Ounces(OZ)	14-Feb-19
0001517387	-	POLYURETHANE SATIN	11	Ounces(OZ)	14-Feb-19
0001517388	-	POLYURETHANE SATIN	11	Ounces(OZ)	14-Feb-19
0001517389	-	POLYURETHANE SATIN	11	Ounces(OZ)	14-Feb-19
0001517391	-	POLYURETHANE SATIN	11	Ounces(OZ)	14-Feb-19
0001517393	-	POLYURETHANE SATIN	11	Ounces(OZ)	14-Feb-19
0001517394	-	POLYURETHANE SATIN	11	Ounces(OZ)	14-Feb-19
0001517395	-	POLYURETHANE SATIN	11	Ounces(OZ)	14-Feb-19
0001517396	-	POLYURETHANE SATIN	11	Ounces(OZ)	14-Feb-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001517397	-	POLYURETHANE SATIN	11	Ounces(OZ)	14-Feb-19
0001517399	-	POLYURETHANE SATIN	11	Ounces(OZ)	14-Feb-19
0001517400	-	POLYURETHANE SATIN	11	Ounces(OZ)	14-Feb-19
0001517401	-	POLYURETHANE SATIN	11	Ounces(OZ)	14-Feb-19
0001517402	-	POLYURETHANE SATIN	11	Ounces(OZ)	14-Feb-19
0001517390	-	POLYURETHANE SATIN	11	Ounces(OZ)	14-Feb-19
0001517398	-	POLYURETHANE SATIN	11	Ounces(OZ)	14-Feb-19
0001517403	1129-30-2	2 6-DIACETYLPYRIDINE	5	Gram(GM)	14-Feb-19
0001517404	7789-46-0	IRON(II) BROMIDE	10	Gram(GM)	14-Feb-19
0001517405	28961-43-5	Ethoxylated (3) Trimethylolpropane Triacrylate	250	Milliliter(ML)	14-Feb-19
0001517406	28961-43-5	Ethoxylated (3) Trimethylolpropane Triacrylate	250	Milliliter(ML)	14-Feb-19
0001517407	162881-26-7	Phenylbis(2 4 6-trimethylbenzoyl)phosphine	50	Gram(GM)	14-Feb-19
0001517408	7791-20-0	NICKEL(II) CHLORIDE HEXAHYDRATE	500	Gram(GM)	14-Feb-19
0001517409	1675-54-3	BISPHENOL A DIGLYCIDYL ETHER	250	Gram(GM)	14-Feb-19
0001517410	-	Ultrasonic Cleaning Solutions Branson	1	Gallon(GAL)	14-Feb-19
0001517411	-	EPOXY-2 PART	0.3	Pint(PT)	14-Feb-19
0001517412	-	CoolTherm EP-301 AD Epoxy Resin	1	Quarts(QT)	14-Feb-19
0000984340	-	Nexguard 22350	551	Pounds(LB)	14-Feb-19
0000984341	-	Nexguard 22350	551	Pounds(LB)	14-Feb-19
0000984347	-	Nexguard 22350	551	Pounds(LB)	14-Feb-19
0000984348	-	Nexguard 22350	551	Pounds(LB)	14-Feb-19
0000984349	-	Nexguard 22350	551	Pounds(LB)	14-Feb-19
0000984342	-	Chevron Bright-Cut Metalworking Fluid	5	Gallon(GAL)	14-Feb-19
0000984346	-	Chevron Bright-Cut Metalworking Fluid	5	Gallon(GAL)	14-Feb-19
0000984345	-	Chevron Bright-Cut Metalworking Fluid	5	Gallon(GAL)	14-Feb-19
0000984344	-	Chevron Bright-Cut Metalworking Fluid	5	Gallon(GAL)	14-Feb-19
0000984343	-	Chevron Bright-Cut Metalworking Fluid	5	Gallon(GAL)	14-Feb-19
0001516004	-	SATURATED POTASSIUM CHLORIDE SOLUTION	500	Milliliter(ML)	14-Feb-19
0001516005	-	POTASSIUM CHLORIDE SOLUTIONS	59	Milliliter(ML)	14-Feb-19
0001516006	-	ELECTRODE CLEANER	500	Milliliter(ML)	14-Feb-19
0001516007	-	SINGLET Single-Use pH Buffer Kit pH 4.01 & 7.00	100	Milliliter(ML)	14-Feb-19
0001516008	-	PH STORAGE SOLUTION	500	Milliliter(ML)	14-Feb-19
0001516009	-	SINGLET Single-Use pH Buffer Kit pH 4.01 & 7.00	20	Milliliter(ML)	14-Feb-19
0001516943	7553-56-2	IODINE REAGENT	5	Gram(GM)	14-Feb-19
0001517347	4227-95-6	IODOMETHANE-13C (METHYL-13C IODIDE)	5	Gram(GM)	14-Feb-19
0001517352	4227-95-6	IODOMETHANE-13C (METHYL-13C IODIDE)	5	Gram(GM)	14-Feb-19
0001517348	4227-95-6	IODOMETHANE-13C (METHYL-13C IODIDE)	5	Gram(GM)	14-Feb-19
0001517349	4227-95-6	IODOMETHANE-13C (METHYL-13C IODIDE)	5	Gram(GM)	14-Feb-19
0001517350	4227-95-6	IODOMETHANE-13C (METHYL-13C IODIDE)	5	Gram(GM)	14-Feb-19
0001517351	4227-95-6	IODOMETHANE-13C (METHYL-13C IODIDE)	5	Gram(GM)	14-Feb-19
0001517413	681-84-5	TETRAMETHYL ORTHOSILICATE	100	Gram(GM)	14-Feb-19
0001517414	681-84-5	TETRAMETHYL ORTHOSILICATE	100	Gram(GM)	14-Feb-19
0001517415	1464-53-5	1 3-Butadiene diepoxide	5	Gram(GM)	14-Feb-19
0001517416	1464-53-5	1 3-Butadiene diepoxide	5	Gram(GM)	14-Feb-19
0001517417	1464-53-5	1 3-Butadiene diepoxide	5	Gram(GM)	14-Feb-19
0001517418	-	PALLADIUM ON CARBON	10	Gram(GM)	14-Feb-19
0001517420	-	J-B WELD	1	Ounces(OZ)	14-Feb-19
0001517421	-	J-B WELD	1	Ounces(OZ)	14-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001517455	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	14-Feb-19
0001517459	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	14-Feb-19
0001517456	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	14-Feb-19
0001517465	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	14-Feb-19
0001517457	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	14-Feb-19
0001517464	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	14-Feb-19
0001517463	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	14-Feb-19
0001517462	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	14-Feb-19
0001517458	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	14-Feb-19
0001517460	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	14-Feb-19
0001517466	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	14-Feb-19
0001517461	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	14-Feb-19
0001458230	10124-37-5	CALCIUM NITRATE	4	Pounds(LB)	14-Feb-19
0001458228	10124-37-5	CALCIUM NITRATE	4	Pounds(LB)	14-Feb-19
0001458229	10124-37-5	CALCIUM NITRATE	4	Pounds(LB)	14-Feb-19
0001458231	7757-79-1	POTASSIUM NITRATE	1	Pounds(LB)	14-Feb-19
0001458232	7757-79-1	POTASSIUM NITRATE	1	Pounds(LB)	14-Feb-19
0001458236	7757-79-1	POTASSIUM NITRATE	1	Pounds(LB)	14-Feb-19
0001458235	7757-79-1	POTASSIUM NITRATE	1	Pounds(LB)	14-Feb-19
0001458234	7757-79-1	POTASSIUM NITRATE	1	Pounds(LB)	14-Feb-19
0001458233	7757-79-1	POTASSIUM NITRATE	1	Pounds(LB)	14-Feb-19
0001458237	100-97-0	HEXAMINE	14	Gram(GM)	14-Feb-19
0001458241	100-97-0	HEXAMINE	14	Gram(GM)	14-Feb-19
0001458240	100-97-0	HEXAMINE	14	Gram(GM)	14-Feb-19
0001458239	100-97-0	HEXAMINE	14	Gram(GM)	14-Feb-19
0001458238	100-97-0	HEXAMINE	14	Gram(GM)	14-Feb-19
V0000023AD	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V0000023A8	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V0000023AB	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V0000023AA	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V0000023A9	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V0000023AC	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V0000023A7	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V0000023A6	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V0000023A5	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V0000023A4	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V0000023A3	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V0000023A1	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V0000023A0	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V0000023AE	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V0000023BE	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V0000023A2	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V0000023B7	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V0000023C0	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V0000023BF	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V00000238E	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V0000023BD	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V00000239F	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V0000023BB	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V0000023BA	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V0000023BC	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V0000023B8	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V0000023AF	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V0000023B6	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V0000023B5	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V0000023B4	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V0000023B3	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V0000023B2	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V0000023B1	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V0000023B0	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V0000023B9	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V000002380	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V000002390	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V000002388	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V000002387	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V000002386	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V000002385	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V000002384	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V00000238A	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V000002382	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V00000238B	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V00000237E	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V00000237D	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V00000237C	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V00000237B	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V00000237A	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V000002379	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V00000237F	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V000002383	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V000002395	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V00000239D	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V00000239C	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V00000239B	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V00000239A	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V000002399	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V000002398	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V000002389	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V000002396	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V00000239E	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V000002394	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V000002393	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V000002392	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V000002391	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V00000238F	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V00000238D	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V00000238C	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002397	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
V000002381	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	15-Feb-19
0001501890	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	15-Feb-19
0001501901	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	15-Feb-19
0001501899	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	15-Feb-19
0001501900	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	15-Feb-19
0001501898	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	15-Feb-19
0001501897	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	15-Feb-19
0001501896	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	15-Feb-19
0001501895	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	15-Feb-19
0001501894	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	15-Feb-19
0001501891	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	15-Feb-19
0001501893	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	15-Feb-19
0001501892	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	15-Feb-19
0001501902	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	15-Feb-19
0001501972	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001501975	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001501965	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001501967	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001501968	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001501969	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001501971	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001501980	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001501973	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001501970	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001501964	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001501974	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001501978	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001501981	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001501977	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001501976	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001501966	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001501979	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001501962	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001501963	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001502011	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001502009	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001501984	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001502008	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001502007	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001502006	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001502010	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001501983	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001501985	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001501986	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001501996	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001502005	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001501987	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001501982	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001501989	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001501993	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001501992	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001501991	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001501998	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001501994	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001502004	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001501990	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001501988	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001501995	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001501997	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001501999	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001502000	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001502001	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001502002	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001502003	-	CLEAR ALL PURPOSE SILICONE	10	Ounces(OZ)	15-Feb-19
0001488790	-	STAY SILV BLACK BRAZING FLUX	0.5	Pounds(LB)	20-Feb-19
0001488792	-	STAY SILV BLACK BRAZING FLUX	0.5	Pounds(LB)	20-Feb-19
0001488791	-	STAY SILV BLACK BRAZING FLUX	0.5	Pounds(LB)	20-Feb-19
0001517422	68-12-2	N N-DIMETHYLFORMAMIDE	4	Liters(L)	21-Feb-19
0001517428	7440-02-0	NICKEL POWDER	100	Gram(GM)	21-Feb-19
0001517429	108-31-6	MALEIC ANHYDRIDE	500	Gram(GM)	21-Feb-19
0001517430	-	ALUMINUM STANDARD	125	Milliliter(ML)	21-Feb-19
0001517431	28961-43-5	Ethoxylated (3) Trimethylolpropane Triacrylate	1	Liters(L)	21-Feb-19
0001517432	28961-43-5	Ethoxylated (3) Trimethylolpropane Triacrylate	1	Liters(L)	21-Feb-19
0001517433	28961-43-5	Ethoxylated (3) Trimethylolpropane Triacrylate	1	Liters(L)	21-Feb-19
0001517434	75-05-8	ACETONITRILE	1	Gram(GM)	21-Feb-19
0001517435	75-05-8	ACETONITRILE	1	Gram(GM)	21-Feb-19
0001517436	75-05-8	ACETONITRILE	1	Gram(GM)	21-Feb-19
0001517437	1309-48-4	MAGNESIUM OXIDE	10	Kilograms(KG)	21-Feb-19
0001517438	20344-49-4	IRON(III) OXIDE HYDRATED	240	Gram(GM)	21-Feb-19
0001517439	91-20-3	NAPHTHALENE	25	Gram(GM)	21-Feb-19
0001517441	7664-93-9	SULFURIC ACID	100	Milliliter(ML)	21-Feb-19
0001517444	7664-93-9	SULFURIC ACID	100	Milliliter(ML)	21-Feb-19
0001517443	7664-93-9	SULFURIC ACID	100	Milliliter(ML)	21-Feb-19
0001517442	7664-93-9	SULFURIC ACID	100	Milliliter(ML)	21-Feb-19
0001517445	-	BUFFER PH 7 (YELLOW BUFFER)	500	Milliliter(ML)	21-Feb-19
0001517447	-	BUFFER PH 7 (YELLOW BUFFER)	500	Milliliter(ML)	21-Feb-19
0001517446	-	BUFFER PH 7 (YELLOW BUFFER)	500	Milliliter(ML)	21-Feb-19
0001517448	1310-58-3	POTASSIUM HYDROXIDE	100	Milliliter(ML)	21-Feb-19
0001517451	1310-58-3	POTASSIUM HYDROXIDE	100	Milliliter(ML)	21-Feb-19
0001517452	1310-58-3	POTASSIUM HYDROXIDE	100	Milliliter(ML)	21-Feb-19
0001517450	1310-58-3	POTASSIUM HYDROXIDE	100	Milliliter(ML)	21-Feb-19
0001517449	1310-58-3	POTASSIUM HYDROXIDE	100	Milliliter(ML)	21-Feb-19
0001517453	218-01-9	CHRYSENE	100	Milligram(MG)	21-Feb-19
0001517440	54723-94-3	AMMONIUM PHOSPHOMOLYBDATE	100	Gram(GM)	21-Feb-19
0001517454	1313-82-2	SODIUM SULFIDE ANHYDROUS	10	Gram(GM)	21-Feb-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001517467	1330-78-5	Tritolyl phosphate	500	Milliliter(ML)	21-Feb-19
0001517468	1330-78-5	Tritolyl phosphate	500	Milliliter(ML)	21-Feb-19
0001517527	-	Iodate-Iodide	13	Milliliter(ML)	21-Feb-19
0001517528	-	Iodate-Iodide	13	Milliliter(ML)	21-Feb-19
0001517529	-	Iodate-Iodide	13	Milliliter(ML)	21-Feb-19
0001517530	-	Iodate-Iodide	13	Milliliter(ML)	21-Feb-19
0001517531	-	Iodate-Iodide	13	Milliliter(ML)	21-Feb-19
0001517532	-	SILICA REAGENT KIT	10	Milliliter(ML)	21-Feb-19
0001517533	-	SILICA REAGENT KIT	10	Milliliter(ML)	21-Feb-19
0001517534	-	SILICA REAGENT KIT	10	Milliliter(ML)	21-Feb-19
0001517535	-	SILICA REAGENT KIT	10	Milliliter(ML)	21-Feb-19
0001517536	-	SILICA REAGENT KIT	10	Milliliter(ML)	21-Feb-19
0001517537	872-50-4	N-METHYL-2-PYRROLIDONE	4	Liters(L)	21-Feb-19
0001517540	872-50-4	N-METHYL-2-PYRROLIDONE	4	Liters(L)	21-Feb-19
0001517538	872-50-4	N-METHYL-2-PYRROLIDONE	4	Liters(L)	21-Feb-19
0001517539	872-50-4	N-METHYL-2-PYRROLIDONE	4	Liters(L)	21-Feb-19
0001517541	543-20-4	SUCCINYL CHLORIDE	25	Gram(GM)	21-Feb-19
0001517542	2873-74-7	GLUTARYL DICHLORIDE	25	Gram(GM)	21-Feb-19
0001517543	147-85-3	L-(-)-PROLINE	25	Gram(GM)	21-Feb-19
0001517544	99-92-3	4'-AMINOACETOPHENONE	25	Gram(GM)	21-Feb-19
0001517545	8001-20-5	TUNG OIL	4	Liters(L)	21-Feb-19
0001517546	9003-53-6	POLYSTYRENE	25	Gram(GM)	21-Feb-19
0000984350	1310-73-2	CAUSTIC SODA SOLUTION (50%)	2500	Gallon(GAL)	21-Feb-19
0000984338	-	OMEGABOND 101 EPOXY	2	Ounces(OZ)	21-Feb-19
0000984339	-	OMEGABOND 101 EPOXY	2	Ounces(OZ)	21-Feb-19
0001516013	28384-96-5	Enterobactin	1	Milligram(MG)	21-Feb-19
0001517159	110-89-4	PIPERIDINE	500	Gram(GM)	21-Feb-19
0001517160	67-63-0	ISOPROPANOL (2-PROPANOL)	4	Liters(L)	21-Feb-19
0001517162	67-63-0	ISOPROPANOL (2-PROPANOL)	4	Liters(L)	21-Feb-19
0001517163	67-63-0	ISOPROPANOL (2-PROPANOL)	4	Liters(L)	21-Feb-19
0001517164	67-63-0	ISOPROPANOL (2-PROPANOL)	4	Liters(L)	21-Feb-19
0001517469	141-78-6	ETHYL ACETATE	4	Liters(L)	21-Feb-19
0001517472	141-78-6	ETHYL ACETATE	4	Liters(L)	21-Feb-19
0001517470	141-78-6	ETHYL ACETATE	4	Liters(L)	21-Feb-19
0001517471	141-78-6	ETHYL ACETATE	4	Liters(L)	21-Feb-19
0001517473	110-54-3	HEXANE HPLC	4	Liters(L)	21-Feb-19
0001517476	110-54-3	HEXANE HPLC	4	Liters(L)	21-Feb-19
0001517477	110-54-3	HEXANE HPLC	4	Liters(L)	21-Feb-19
0001517478	110-54-3	HEXANE HPLC	4	Liters(L)	21-Feb-19
0001517479	110-54-3	HEXANE HPLC	4	Liters(L)	21-Feb-19
0001517480	110-54-3	HEXANE HPLC	4	Liters(L)	21-Feb-19
0001517475	110-54-3	HEXANE HPLC	4	Liters(L)	21-Feb-19
0001517474	110-54-3	HEXANE HPLC	4	Liters(L)	21-Feb-19
0001517548	-	PALLADIUM 10% ON ACTIVATED CARBON	50	Gram(GM)	21-Feb-19
0001517549	6484-52-2	AMMONIUM NITRATE	500	Gram(GM)	21-Feb-19
0001517550	57-13-6	UREA	500	Gram(GM)	21-Feb-19
0001517551	74257-00-4	1-(2-MESITYLENSESULFONYL)-3-NITRO-1H-1 2 4-	1	Gram(GM)	21-Feb-19
0001517552	-	SYLGARD 184	16	Ounces(OZ)	21-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001517556	-	SYLGARD 184	16	Ounces(OZ)	21-Feb-19
0001517554	-	SYLGARD 184	16	Ounces(OZ)	21-Feb-19
0001517555	-	SYLGARD 184	16	Ounces(OZ)	21-Feb-19
0001517553	-	SYLGARD 184	16	Ounces(OZ)	21-Feb-19
0001517557	75-75-2	Weld Wizard 9350	1	Gallon(GAL)	21-Feb-19
0001517559	75-75-2	Weld Wizard 9350	1	Gallon(GAL)	21-Feb-19
0001517558	75-75-2	Weld Wizard 9350	1	Gallon(GAL)	21-Feb-19
0001517560	301-10-0	TIN (II) 2-ETHYLHEXANOATE	100	Gram(GM)	21-Feb-19
0001517561	301-10-0	TIN (II) 2-ETHYLHEXANOATE	100	Gram(GM)	21-Feb-19
0001517562	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Gallon(GAL)	21-Feb-19
0001517565	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Gallon(GAL)	21-Feb-19
0001517563	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Gallon(GAL)	21-Feb-19
0001517564	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Gallon(GAL)	21-Feb-19
0001517566	-	Stellaris RNA FISH Wash Buffer B	20	Milliliter(ML)	21-Feb-19
0001517567	-	Stellaris RNA FISH Wash Buffer B	20	Milliliter(ML)	21-Feb-19
0001517568	-	Stellaris RNA FISH Hybridization Buffer	10	Milliliter(ML)	21-Feb-19
0001517569	-	Stellaris RNA FISH Hybridization Buffer	10	Milliliter(ML)	21-Feb-19
0001517570	868-85-9	DIMETHYL PHOSPHITE	25	Gram(GM)	21-Feb-19
0001517571	-	NITRAVER TEST N TUBE REAGENT SET	100	Milliliter(ML)	21-Feb-19
0001517572	-	NITRAVER TEST N TUBE REAGENT SET	100	Milliliter(ML)	21-Feb-19
0001517573	-	NITRAVER TEST N TUBE REAGENT SET	100	Milliliter(ML)	21-Feb-19
0001517574	-	NITRAVER TEST N TUBE REAGENT SET	100	Milliliter(ML)	21-Feb-19
0001517575	-	NITRAVER TEST N TUBE REAGENT SET	100	Milliliter(ML)	21-Feb-19
0001517576	-	NITRAVER TEST N TUBE REAGENT SET	100	Milliliter(ML)	21-Feb-19
0001517577	-	GEL-8150 Part A	2	Pint(PT)	21-Feb-19
0001517579	-	GEL-8150 Part A	2	Pint(PT)	21-Feb-19
0001517578	-	GEL-8150 Part A	2	Pint(PT)	21-Feb-19
0001517580	67-64-1	ACETONE	4	Liters(L)	21-Feb-19
0001517581	67-64-1	ACETONE	4	Liters(L)	21-Feb-19
0001517582	-	HIGH VACUUM GREASE	2	Ounces(OZ)	21-Feb-19
0001517583	-	HIGH VACUUM GREASE	2	Ounces(OZ)	21-Feb-19
0001517584	12135-76-1	AMMONIUM SULFIDE	100	Milliliter(ML)	21-Feb-19
0001517585	12135-76-1	AMMONIUM SULFIDE	100	Milliliter(ML)	21-Feb-19
0001517586	7773-01-5	MANGANESE(II) CHLORIDE	50	Gram(GM)	21-Feb-19
0001517587	-	2 Part Vibration/Shock Dampening Coating	50	Milliliter(ML)	21-Feb-19
0001517589	-	2 Part Vibration/Shock Dampening Coating	50	Milliliter(ML)	21-Feb-19
0001517590	-	2 Part Vibration/Shock Dampening Coating	50	Milliliter(ML)	21-Feb-19
0001517588	-	2 Part Vibration/Shock Dampening Coating	50	Milliliter(ML)	21-Feb-19
0001517591	865-49-6	CHLOROFORM-D 99.8+ ATOM% D	100	Milliliter(ML)	21-Feb-19
0001517592	100-66-3	ANISOLE ANHYDROUS	100	Milliliter(ML)	21-Feb-19
0001517593	10043-11-5	BORON NITRIDE	100	Gram(GM)	21-Feb-19
0001517594	60177-39-1	AMBERLITE IRA-400 RESIN	100	Gram(GM)	21-Feb-19
0001517595	1317-38-0	COPPER(II) OXIDE	500	Gram(GM)	21-Feb-19
0001517596	56-81-5	SlowFade Gold Antifade Mountant	10	Milliliter(ML)	21-Feb-19
0001517597	56-81-5	SlowFade Gold Antifade Mountant	10	Milliliter(ML)	21-Feb-19
0001517598	1663-67-8	MALONYL DICHLORIDE	25	Gram(GM)	21-Feb-19
0001594399	-	BORON 10B CARBIDE	125	Milligram(MG)	21-Feb-19
0001594402	-	BORON 10B CARBIDE	125	Milligram(MG)	21-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001594401	-	BORON 10B CARBIDE	125	Milligram(MG)	21-Feb-19
0001594400	-	BORON 10B CARBIDE	125	Milligram(MG)	21-Feb-19
0001594403	-	BORON 10B CARBIDE	125	Milligram(MG)	21-Feb-19
0001594405	-	BORON 10B CARBIDE	125	Milligram(MG)	21-Feb-19
0001594404	-	BORON 10B CARBIDE	125	Milligram(MG)	21-Feb-19
0001594406	-	Superior 27	100	Gram(GM)	21-Feb-19
0001594409	-	Superior 27	100	Gram(GM)	21-Feb-19
0001594408	-	Superior 27	100	Gram(GM)	21-Feb-19
0001594407	-	Superior 27	100	Gram(GM)	21-Feb-19
0001594410	110-54-3	HEXANES (CERTIFIED ACS)	4	Liters(L)	21-Feb-19
0001594411	110-54-3	HEXANES (CERTIFIED ACS)	4	Liters(L)	21-Feb-19
0001594412	110-54-3	HEXANES (CERTIFIED ACS)	4	Liters(L)	21-Feb-19
0001594413	110-54-3	HEXANES (CERTIFIED ACS)	4	Liters(L)	21-Feb-19
0001594414	67-56-1	METHANOL	4	Liters(L)	21-Feb-19
0001594417	67-56-1	METHANOL	4	Liters(L)	21-Feb-19
0001594415	67-56-1	METHANOL	4	Liters(L)	21-Feb-19
0001594416	67-56-1	METHANOL	4	Liters(L)	21-Feb-19
0001594418	123-05-7	2-Ethylhexanal	250	Milliliter(ML)	21-Feb-19
0001594419	123-05-7	2-Ethylhexanal	250	Milliliter(ML)	21-Feb-19
0001594420	617-84-5	N N-DIETHYLFORMAMIDE	500	Milliliter(ML)	21-Feb-19
0001594421	13235-36-4	ETHYLENEDIAMINETETRAACETIC ACID	500	Gram(GM)	21-Feb-19
0001594422	2351-50-0	4-IODOSTYRENE	25	Gram(GM)	21-Feb-19
0001594423	109-99-9	TETRAHYDROFURAN ANHYDROUS	1	Liters(L)	21-Feb-19
0001594424	109-99-9	TETRAHYDROFURAN ANHYDROUS	1	Liters(L)	21-Feb-19
0001594427	7705-08-0	IRON(III) CHLORIDE	1	Gram(GM)	21-Feb-19
0001594428	1129-30-2	2 6-DIACETYLPYRIDINE	25	Gram(GM)	21-Feb-19
0001594429	7646-85-7	ZINC CHLORIDE	100	Gram(GM)	21-Feb-19
0001594430	7601-90-3	PERCHLORIC ACID 60%	500	Milliliter(ML)	21-Feb-19
0001594431	-	HYDRANAL®-Coulomat AD	500	Milliliter(ML)	21-Feb-19
0001594432	-	HYDRANAL®-Coulomat AD	500	Milliliter(ML)	21-Feb-19
0001594433	7681-52-9	Clorox Concentrated Germicidal Bleach	64	Ounces(OZ)	21-Feb-19
0001594436	7681-52-9	Clorox Concentrated Germicidal Bleach	64	Ounces(OZ)	21-Feb-19
0001594434	7681-52-9	Clorox Concentrated Germicidal Bleach	64	Ounces(OZ)	21-Feb-19
0001594437	7681-52-9	Clorox Concentrated Germicidal Bleach	64	Ounces(OZ)	21-Feb-19
0001594438	7681-52-9	Clorox Concentrated Germicidal Bleach	64	Ounces(OZ)	21-Feb-19
0001594439	7681-52-9	Clorox Concentrated Germicidal Bleach	64	Ounces(OZ)	21-Feb-19
0001594440	7681-52-9	Clorox Concentrated Germicidal Bleach	64	Ounces(OZ)	21-Feb-19
0001594435	7681-52-9	Clorox Concentrated Germicidal Bleach	64	Ounces(OZ)	21-Feb-19
0001594441	-	CIMPULSE 49MP CUTTING FLUID	5	Gallon(GAL)	21-Feb-19
0001594442	-	CIMPULSE 49MP CUTTING FLUID	5	Gallon(GAL)	21-Feb-19
0001594443	123-86-4	N-BUTYL ACETATE	16	Liters(L)	21-Feb-19
0001594446	123-86-4	N-BUTYL ACETATE	16	Liters(L)	21-Feb-19
0001594444	123-86-4	N-BUTYL ACETATE	16	Liters(L)	21-Feb-19
0001594445	123-86-4	N-BUTYL ACETATE	16	Liters(L)	21-Feb-19
0001594447	-	Detection Solution	1	Liters(L)	21-Feb-19
0001594448	-	Detection Solution	1	Liters(L)	21-Feb-19
0001594449	26628-22-8	SODIUM AZIDE	25	Gram(GM)	21-Feb-19
0001517481	1302-78-9	Suck-Up	30	Pounds(LB)	22-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001517482	1302-78-9	Suck-Up	30	Pounds(LB)	22-Feb-19
0001517483	1302-78-9	Suck-Up	30	Pounds(LB)	22-Feb-19
0001517485	1302-78-9	Suck-Up	30	Pounds(LB)	22-Feb-19
0001517486	1302-78-9	Suck-Up	30	Pounds(LB)	22-Feb-19
0001517487	1302-78-9	Suck-Up	30	Pounds(LB)	22-Feb-19
0001517488	1302-78-9	Suck-Up	30	Pounds(LB)	22-Feb-19
0001517489	1302-78-9	Suck-Up	30	Pounds(LB)	22-Feb-19
0001517490	1302-78-9	Suck-Up	30	Pounds(LB)	22-Feb-19
0001517484	1302-78-9	Suck-Up	30	Pounds(LB)	22-Feb-19
0001517491	4235-95-4	1 2-DIOLEOYL-SN-GLYCERO-3-PHOSPHOCHOLINE	25	Milligram(MG)	22-Feb-19
0001517492	4235-95-4	1 2-DIOLEOYL-SN-GLYCERO-3-PHOSPHOCHOLINE	25	Milligram(MG)	22-Feb-19
0001517494	4235-95-4	1 2-DIOLEOYL-SN-GLYCERO-3-PHOSPHOCHOLINE	25	Milligram(MG)	22-Feb-19
0001517493	4235-95-4	1 2-DIOLEOYL-SN-GLYCERO-3-PHOSPHOCHOLINE	25	Milligram(MG)	22-Feb-19
0001594450	-	PIPERONYLAMINE	100	Gram(GM)	22-Feb-19
0001594451	72080-83-2	Benzyl 2-aminoethylcarbamate	25	Gram(GM)	22-Feb-19
0001594452	82354-19-6	TEXAS RED	1	Milligram(MG)	22-Feb-19
0001594453	-	RINK AMIDE AM RESIN LL	25	Gram(GM)	22-Feb-19
0001594454	377739-43-0	1-Ethyl-3-methylimidazolium	25	Gram(GM)	22-Feb-19
0001594455	7439-89-6	IRON POWDER	250	Gram(GM)	22-Feb-19
0001594456	-	SYNTHETIC GREASE	400	Gram(GM)	22-Feb-19
0001594457	62-56-6	THIOUREA	500	Gram(GM)	22-Feb-19
0001594458	48-0045-408	PRE FILTER MATERIAL	50	Gram(GM)	22-Feb-19
0001594459	-	APIEZON L GREASE	25	Gram(GM)	22-Feb-19
0001594460	584-08-7	POTASSIUM CARBONATE ANHYDROUS	3	Kilograms(KG)	22-Feb-19
0001594462	584-08-7	POTASSIUM CARBONATE ANHYDROUS	3	Kilograms(KG)	22-Feb-19
0001594461	584-08-7	POTASSIUM CARBONATE ANHYDROUS	3	Kilograms(KG)	22-Feb-19
0001594463	64-19-7	ACETIC ACID	2.5	Liters(L)	22-Feb-19
0001594464	7040-52-0	Cyclohexyl methyl methylphosphonate	500	Milligram(MG)	22-Feb-19
0001594467	7040-52-0	Cyclohexyl methyl methylphosphonate	500	Milligram(MG)	22-Feb-19
0001594465	7040-52-0	Cyclohexyl methyl methylphosphonate	500	Milligram(MG)	22-Feb-19
0001594466	7040-52-0	Cyclohexyl methyl methylphosphonate	500	Milligram(MG)	22-Feb-19
0000984355	7732-18-5	Hydrochloric Acid 30-31%	3000	Pounds(LB)	22-Feb-19
0000984356	7732-18-5	Hydrochloric Acid 30-31%	3000	Pounds(LB)	22-Feb-19
0000984357	7705-08-0	FERRIC CHLORIDE 40% SOLUTION	3400	Pounds(LB)	22-Feb-19
0001517423	482345-60-8	AlfaSource Rubidium	100	Gram(GM)	22-Feb-19
0001517425	482345-60-8	AlfaSource Rubidium	100	Gram(GM)	22-Feb-19
0001517424	482345-60-8	AlfaSource Rubidium	100	Gram(GM)	22-Feb-19
0001517426	482345-60-8	AlfaSource Rubidium	100	Gram(GM)	22-Feb-19
0001517427	482345-60-8	AlfaSource Rubidium	100	Gram(GM)	22-Feb-19
0001385471	-	LB BROTH MILLER	2.5	Kilograms(KG)	22-Feb-19
0001563925	-	Oxygen UHP	220	Cubic Feet(CF)	22-Feb-19
0001563921	-	Oxygen UHP	220	Cubic Feet(CF)	22-Feb-19
0001563922	-	Oxygen UHP	220	Cubic Feet(CF)	22-Feb-19
0001563923	-	Oxygen UHP	220	Cubic Feet(CF)	22-Feb-19
0001563924	-	Oxygen UHP	220	Cubic Feet(CF)	22-Feb-19
0001563926	-	Sulfer Hexafluoride	12	Pounds(LB)	22-Feb-19
0001563927	-	Sulfer Hexafluoride	12	Pounds(LB)	22-Feb-19
0001563928	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Feb-19

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001563935	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Feb-19
0001563937	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Feb-19
0001563938	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Feb-19
0001563939	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Feb-19
0001563931	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Feb-19
0001563932	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Feb-19
0001563933	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Feb-19
0001563929	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Feb-19
0001563934	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Feb-19
0001563936	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Feb-19
0001563930	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Feb-19
0001516012	124-63-0	METHANESULFONYL CHLORIDE	100	Milliliter(ML)	22-Feb-19
0001517165	64742-47-8	Clarifloc C-6265	55	Gallon(GAL)	22-Feb-19
0001517166	64742-47-8	Clarifloc C-6265	55	Gallon(GAL)	22-Feb-19
0001594425	66-25-1	HEXANAL (CAPROALDEHYDE HEXALDEHYDE)	250	Milliliter(ML)	22-Feb-19
0001594426	66-25-1	HEXANAL (CAPROALDEHYDE HEXALDEHYDE)	250	Milliliter(ML)	22-Feb-19
0001594468	-	Lipopolysaccharides from Escherichia coli	25	Milligram(MG)	22-Feb-19
0001594469	62-31-7	DOPAMINE HYDROCHLORIDE	10	Gram(GM)	22-Feb-19
0001594470	138-14-7	DEFEROXAMINE	1	Gram(GM)	22-Feb-19
0001594471	-	RED GREASE	14	Ounces(OZ)	22-Feb-19
0001594472	-	RED GREASE	14	Ounces(OZ)	22-Feb-19
0001594473	811-97-2	JET STREAM DUST REMOVER (1 1 1 2	325	Milliliter(ML)	22-Feb-19
0001594475	811-97-2	JET STREAM DUST REMOVER (1 1 1 2	325	Milliliter(ML)	22-Feb-19
0001594474	811-97-2	JET STREAM DUST REMOVER (1 1 1 2	325	Milliliter(ML)	22-Feb-19
0001594476	-	THREAD SEALANT W/PTFE	16	Ounces(OZ)	22-Feb-19
0001563940	-	hydrogen 2%/Bal. Air	3	Pounds(LB)	22-Feb-19
0001594477	-	THREAD SEALANT W/PTFE	16	Ounces(OZ)	22-Feb-19
0001563941	-	hydrogen 2%/Bal. Air	3	Pounds(LB)	22-Feb-19
0001594478	69011-17-2	DOWEX 66 ION-EXCHANGE RESIN	500	Gram(GM)	22-Feb-19
0001563942	1333-74-0	HYDROGEN	220	Cubic Feet(CF)	22-Feb-19
0001594479	64-18-6	Acetonitrile with 0.1% Formic Acid (v/v) Optima	4	Liters(L)	22-Feb-19
0001594480	75-05-8	ACETONITRILE HPLC	4	Liters(L)	22-Feb-19
0001563947	-	Hydrogen UHP	220	Cubic Feet(CF)	22-Feb-19
0001563948	-	Hydrogen UHP	220	Cubic Feet(CF)	22-Feb-19
0001563949	-	Hydrogen UHP	220	Cubic Feet(CF)	22-Feb-19
0001563951	-	Hydrogen UHP	220	Cubic Feet(CF)	22-Feb-19
0001563950	-	Hydrogen UHP	220	Cubic Feet(CF)	22-Feb-19
0001563946	-	Hydrogen UHP	220	Cubic Feet(CF)	22-Feb-19
0001563945	-	Hydrogen UHP	220	Cubic Feet(CF)	22-Feb-19
0001563944	-	Hydrogen UHP	220	Cubic Feet(CF)	22-Feb-19
0001563943	-	Hydrogen UHP	220	Cubic Feet(CF)	22-Feb-19
0001594481	-	IRON III SULFATE PENTAHYDRATE	250	Gram(GM)	22-Feb-19
0001594482	-	APIEZON GREASE TYPE L	25	Gram(GM)	22-Feb-19
0001563952	-	94% Argon and 6% Hydrogen	220	Cubic Feet(CF)	22-Feb-19
0001594486	-	APIEZON GREASE TYPE L	25	Gram(GM)	22-Feb-19
0001594485	-	APIEZON GREASE TYPE L	25	Gram(GM)	22-Feb-19
0001594484	-	APIEZON GREASE TYPE L	25	Gram(GM)	22-Feb-19
0001594483	-	APIEZON GREASE TYPE L	25	Gram(GM)	22-Feb-19

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001563962	-	94% Argon and 6% Hydrogen	220	Cubic Feet(CF)	22-Feb-19
0001563957	-	94% Argon and 6% Hydrogen	220	Cubic Feet(CF)	22-Feb-19
0001563953	-	94% Argon and 6% Hydrogen	220	Cubic Feet(CF)	22-Feb-19
0001563954	-	94% Argon and 6% Hydrogen	220	Cubic Feet(CF)	22-Feb-19
0001563955	-	94% Argon and 6% Hydrogen	220	Cubic Feet(CF)	22-Feb-19
0001563956	-	94% Argon and 6% Hydrogen	220	Cubic Feet(CF)	22-Feb-19
0001563971	-	94% Argon and 6% Hydrogen	220	Cubic Feet(CF)	22-Feb-19
0001563967	-	94% Argon and 6% Hydrogen	220	Cubic Feet(CF)	22-Feb-19
0001563970	-	94% Argon and 6% Hydrogen	220	Cubic Feet(CF)	22-Feb-19
0001563960	-	94% Argon and 6% Hydrogen	220	Cubic Feet(CF)	22-Feb-19
0001563968	-	94% Argon and 6% Hydrogen	220	Cubic Feet(CF)	22-Feb-19
0001563958	-	94% Argon and 6% Hydrogen	220	Cubic Feet(CF)	22-Feb-19
0001563966	-	94% Argon and 6% Hydrogen	220	Cubic Feet(CF)	22-Feb-19
0001563965	-	94% Argon and 6% Hydrogen	220	Cubic Feet(CF)	22-Feb-19
0001563964	-	94% Argon and 6% Hydrogen	220	Cubic Feet(CF)	22-Feb-19
0001563963	-	94% Argon and 6% Hydrogen	220	Cubic Feet(CF)	22-Feb-19
0001563961	-	94% Argon and 6% Hydrogen	220	Cubic Feet(CF)	22-Feb-19
0001563959	-	94% Argon and 6% Hydrogen	220	Cubic Feet(CF)	22-Feb-19
0001563969	-	94% Argon and 6% Hydrogen	220	Cubic Feet(CF)	22-Feb-19
0001594487	10031-22-8	Lead(II) bromide	25	Gram(GM)	22-Feb-19
0001594490	10031-22-8	Lead(II) bromide	25	Gram(GM)	22-Feb-19
0001594489	10031-22-8	Lead(II) bromide	25	Gram(GM)	22-Feb-19
0001594488	10031-22-8	Lead(II) bromide	25	Gram(GM)	22-Feb-19
0001563972	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001563983	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001563994	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001563993	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001563992	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001563991	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001563990	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001563989	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001563988	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001563987	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001563986	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001563973	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001563984	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001563997	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001563982	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001563981	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001563980	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001563979	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001563978	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001563977	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001563976	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001563975	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001563974	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001563985	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001564009	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001564021	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001564020	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001564019	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001564018	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001564017	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001564016	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001564015	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001564014	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001564013	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001564012	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001563995	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001564010	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001563996	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001564008	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001564006	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001564004	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001564003	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001564002	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001564001	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001564000	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001563999	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001563998	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001564005	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001564011	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001564007	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	22-Feb-19
0001564022	7782-44-7	OXYGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Feb-19
0001564023	7782-44-7	OXYGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Feb-19
0001564024	-	AIR COMPRESSED	220	Cubic Feet(CF)	22-Feb-19
0001564026	-	AIR COMPRESSED	220	Cubic Feet(CF)	22-Feb-19
0001564027	-	AIR COMPRESSED	220	Cubic Feet(CF)	22-Feb-19
0001564025	-	AIR COMPRESSED	220	Cubic Feet(CF)	22-Feb-19
0001564028	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Feb-19
0001564031	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Feb-19
0001564040	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Feb-19
0001564029	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Feb-19
0001564036	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Feb-19
0001564035	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Feb-19
0001564034	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Feb-19
0001564038	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Feb-19
0001564032	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Feb-19
0001564030	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Feb-19
0001564039	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Feb-19
0001564037	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Feb-19
0001564033	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Feb-19
0001564041	-	Argon UHP	220	Cubic Feet(CF)	22-Feb-19
0001564052	-	Argon UHP	220	Cubic Feet(CF)	22-Feb-19
0001564042	-	Argon UHP	220	Cubic Feet(CF)	22-Feb-19
0001564043	-	Argon UHP	220	Cubic Feet(CF)	22-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001564044	-	Argon UHP	220	Cubic Feet(CF)	22-Feb-19
0001564045	-	Argon UHP	220	Cubic Feet(CF)	22-Feb-19
0001564055	-	Argon UHP	220	Cubic Feet(CF)	22-Feb-19
0001564054	-	Argon UHP	220	Cubic Feet(CF)	22-Feb-19
0001564053	-	Argon UHP	220	Cubic Feet(CF)	22-Feb-19
0001564046	-	Argon UHP	220	Cubic Feet(CF)	22-Feb-19
0001564047	-	Argon UHP	220	Cubic Feet(CF)	22-Feb-19
0001564049	-	Argon UHP	220	Cubic Feet(CF)	22-Feb-19
0001564050	-	Argon UHP	220	Cubic Feet(CF)	22-Feb-19
0001564048	-	Argon UHP	220	Cubic Feet(CF)	22-Feb-19
0001564051	-	Argon UHP	220	Cubic Feet(CF)	22-Feb-19
0001564056	-	Argon UHP	220	Cubic Feet(CF)	22-Feb-19
0001564061	-	Argon UHP	220	Cubic Feet(CF)	22-Feb-19
0001564062	-	Argon UHP	220	Cubic Feet(CF)	22-Feb-19
0001564059	-	Argon UHP	220	Cubic Feet(CF)	22-Feb-19
0001564058	-	Argon UHP	220	Cubic Feet(CF)	22-Feb-19
0001564057	-	Argon UHP	220	Cubic Feet(CF)	22-Feb-19
0001564060	-	Argon UHP	220	Cubic Feet(CF)	22-Feb-19
0001564063	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	22-Feb-19
0001564070	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	22-Feb-19
0001564068	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	22-Feb-19
0001564066	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	22-Feb-19
0001564065	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	22-Feb-19
0001564064	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	22-Feb-19
0001564069	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	22-Feb-19
0001564067	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	22-Feb-19
0001564071	7440-59-7	HELIUM	220	Cubic Feet(CF)	22-Feb-19
0001564080	7440-59-7	HELIUM	220	Cubic Feet(CF)	22-Feb-19
0001564083	7440-59-7	HELIUM	220	Cubic Feet(CF)	22-Feb-19
0001564081	7440-59-7	HELIUM	220	Cubic Feet(CF)	22-Feb-19
0001564079	7440-59-7	HELIUM	220	Cubic Feet(CF)	22-Feb-19
0001564078	7440-59-7	HELIUM	220	Cubic Feet(CF)	22-Feb-19
0001564077	7440-59-7	HELIUM	220	Cubic Feet(CF)	22-Feb-19
0001564076	7440-59-7	HELIUM	220	Cubic Feet(CF)	22-Feb-19
0001564075	7440-59-7	HELIUM	220	Cubic Feet(CF)	22-Feb-19
0001564074	7440-59-7	HELIUM	220	Cubic Feet(CF)	22-Feb-19
0001564073	7440-59-7	HELIUM	220	Cubic Feet(CF)	22-Feb-19
0001564072	7440-59-7	HELIUM	220	Cubic Feet(CF)	22-Feb-19
0001564082	7440-59-7	HELIUM	220	Cubic Feet(CF)	22-Feb-19
0001564084	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Feb-19
0001564086	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Feb-19
0001564087	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Feb-19
0001564088	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Feb-19
0001564089	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Feb-19
0001564085	-	Nitric Oxide/ Nitrogen	220	Cubic Feet(CF)	22-Feb-19
0001564093	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Feb-19
0001564090	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Feb-19
0001564091	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001564092	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Feb-19
0001564094	7727-37-9	NITROGEN COMPRESSED GAS	40	Cubic Feet(CF)	22-Feb-19
0000984353	-	DRY MOLY LUBRICANT SPRAY	11	Ounces(OZ)	22-Feb-19
0000984354	-	DRY MOLY LUBRICANT SPRAY	11	Ounces(OZ)	22-Feb-19
0001594491	7440-32-6	TITANIUM POWDER	25	Gram(GM)	25-Feb-19
0001594492	7440-47-3	CHROMIUM POWDER	10	Gram(GM)	25-Feb-19
0001594493	7439-96-5	MANGANESE POWDER	25	Gram(GM)	25-Feb-19
0001594494	7440-48-4	COBALT POWDER	5	Gram(GM)	25-Feb-19
0001594495	7440-50-8	COPPER POWDER	500	Gram(GM)	25-Feb-19
0001594496	7440-66-6	ZINC POWDER	250	Gram(GM)	25-Feb-19
0001594499	-	HPLC Calibration Kit Ferrioxamines	1	Milligram(MG)	25-Feb-19
0001594500	-	HPLC Calibration Kit Ferrioxamines	1	Milligram(MG)	25-Feb-19
0001594501	-	HPLC Calibration Kit Ferrioxamines	1	Milligram(MG)	25-Feb-19
0001594497	64742-88-7	Griot's Garage Fine Hand Polish	16	Ounces(OZ)	25-Feb-19
0001517495	-	COMPLETE MINI PROTEASE INHIBITOR COCKTAIL	250	Milligram(MG)	25-Feb-19
0001517496	7697-37-2	NITRIC ACID OPTIMA	500	Milliliter(ML)	25-Feb-19
0001517497	7697-37-2	NITRIC ACID OPTIMA	500	Milliliter(ML)	25-Feb-19
0001517498	7697-37-2	NITRIC ACID OPTIMA	500	Milliliter(ML)	25-Feb-19
0001517499	7697-37-2	NITRIC ACID OPTIMA	500	Milliliter(ML)	25-Feb-19
0001517500	1310-73-2	SODIUM HYDROXIDE 6.25N SOLUTION	20	Liters(L)	25-Feb-19
0001517501	1310-73-2	SODIUM HYDROXIDE 6.25N SOLUTION	20	Liters(L)	25-Feb-19
0001517502	-	Seal-Krete Epoxy Seal	1	Gallon(GAL)	25-Feb-19
0001517503	-	Seal-Krete Epoxy Seal	1	Gallon(GAL)	25-Feb-19
0001517504	-	Seal-Krete Epoxy Seal	1	Gallon(GAL)	25-Feb-19
0001517505	-	Seal-Krete Epoxy Seal	1	Gallon(GAL)	25-Feb-19
0001517506	32916-51-1	CYCLOPENTYLMAGNESIUM CHLORIDE	100	Milliliter(ML)	25-Feb-19
0001517507	32916-51-1	CYCLOPENTYLMAGNESIUM CHLORIDE	100	Milliliter(ML)	25-Feb-19
0001594502	95-92-1	DIETHYL OXALATE	500	Gram(GM)	25-Feb-19
0001594504	95-92-1	DIETHYL OXALATE	500	Gram(GM)	25-Feb-19
0001594505	95-92-1	DIETHYL OXALATE	500	Gram(GM)	25-Feb-19
0001594503	95-92-1	DIETHYL OXALATE	500	Gram(GM)	25-Feb-19
0001594506	67-68-5	METHYL SULFOXIDE	100	Milliliter(ML)	25-Feb-19
0001594507	67-68-5	METHYL SULFOXIDE	100	Milliliter(ML)	25-Feb-19
0001594508	-	LOCTITE 242 THREADLOCKER	50	Milliliter(ML)	25-Feb-19
0001594509	-	LOCTITE 242 THREADLOCKER	50	Milliliter(ML)	25-Feb-19
0001594510	3849-21-6	Ethyl (hydroxyimino)cyanoacetate tech. ~95%	1	Kilograms(KG)	25-Feb-19
0001594511	1310-73-2	SODIUM HYDROXIDE	1	Liters(L)	25-Feb-19
0001594516	1310-73-2	SODIUM HYDROXIDE	1	Liters(L)	25-Feb-19
0001594514	1310-73-2	SODIUM HYDROXIDE	1	Liters(L)	25-Feb-19
0001594513	1310-73-2	SODIUM HYDROXIDE	1	Liters(L)	25-Feb-19
0001594512	1310-73-2	SODIUM HYDROXIDE	1	Liters(L)	25-Feb-19
0001594515	1310-73-2	SODIUM HYDROXIDE	1	Liters(L)	25-Feb-19
0001594517	-	PIHP-200 KIT	1	Kilograms(KG)	25-Feb-19
0001594518	10025-76-0	EUROPIUM(III) CHLORIDE	2	Gram(GM)	25-Feb-19
0001594519	10361-79-2	PRASEODYMIUM(III) CHLORIDE	5	Gram(GM)	25-Feb-19
0001594520	121-33-5	P-VANILLIN	100	Gram(GM)	25-Feb-19
0001594521	-	ENERPAC PREMIUM HYDRAULIC OIL	1	Gallon(GAL)	25-Feb-19
0001594524	-	ENERPAC PREMIUM HYDRAULIC OIL	1	Gallon(GAL)	25-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001594523	-	ENERPAC PREMIUM HYDRAULIC OIL	1	Gallon(GAL)	25-Feb-19
0001594522	-	ENERPAC PREMIUM HYDRAULIC OIL	1	Gallon(GAL)	25-Feb-19
0001594525	-	#102 Pocket-ETK	100	Milliliter(ML)	25-Feb-19
0001594526	-	#102 Pocket-ETK	100	Milliliter(ML)	25-Feb-19
0001594527	-	#102 Pocket-ETK	100	Milliliter(ML)	25-Feb-19
0001594529	-	#102 Pocket-ETK	100	Milliliter(ML)	25-Feb-19
0001594530	-	#102 Pocket-ETK	100	Milliliter(ML)	25-Feb-19
0001594528	-	#102 Pocket-ETK	100	Milliliter(ML)	25-Feb-19
0001594543	-	Waste Lock PAM	55	Pounds(LB)	25-Feb-19
0001594547	-	Waste Lock PAM	55	Pounds(LB)	25-Feb-19
0001594548	-	Waste Lock PAM	55	Pounds(LB)	25-Feb-19
0001594549	-	Waste Lock PAM	55	Pounds(LB)	25-Feb-19
0001594550	-	Waste Lock PAM	55	Pounds(LB)	25-Feb-19
0001594557	-	Waste Lock PAM	55	Pounds(LB)	25-Feb-19
0001594546	-	Waste Lock PAM	55	Pounds(LB)	25-Feb-19
0001594545	-	Waste Lock PAM	55	Pounds(LB)	25-Feb-19
0001594544	-	Waste Lock PAM	55	Pounds(LB)	25-Feb-19
0001594554	-	Waste Lock PAM	55	Pounds(LB)	25-Feb-19
0001594552	-	Waste Lock PAM	55	Pounds(LB)	25-Feb-19
0001594553	-	Waste Lock PAM	55	Pounds(LB)	25-Feb-19
0001594556	-	Waste Lock PAM	55	Pounds(LB)	25-Feb-19
0001594551	-	Waste Lock PAM	55	Pounds(LB)	25-Feb-19
0001594555	-	Waste Lock PAM	55	Pounds(LB)	25-Feb-19
0001594560	-	Waste Lock PAM	55	Pounds(LB)	25-Feb-19
0001594561	-	Waste Lock PAM	55	Pounds(LB)	25-Feb-19
0001594559	-	Waste Lock PAM	55	Pounds(LB)	25-Feb-19
0001594558	-	Waste Lock PAM	55	Pounds(LB)	25-Feb-19
0001594562	-	Waste Lock PAM	55	Pounds(LB)	25-Feb-19
0000984358	-	NALCO 7408 CHLORINE SCAVENGER SOLUTION	55	Gram(GM)	25-Feb-19
0000984359	-	TRI-ACT 1820 SOLUTION	450	Pounds(LB)	25-Feb-19
0000984360	-	NALCO 8735 ALKALINEITY SO	639	Pounds(LB)	25-Feb-19
0000984361	-	NALCO 8735 ALKALINEITY SO	639	Pounds(LB)	25-Feb-19
0000984352	-	PAINT THINNER	1	Gallon(GAL)	25-Feb-19
0000984351	-	PAINT THINNER	1	Gallon(GAL)	25-Feb-19
0001564095	-	Nitric Oxide/ Nitrogen	220	Cubic Feet(CF)	26-Feb-19
0001418059	-	BUTTERFIELD TAPPING FLUID	1	Quarts(QT)	26-Feb-19
0001418056	-	VICTAULIC LUBRICANT	1	Quarts(QT)	26-Feb-19
0001418057	-	VICTAULIC LUBRICANT	1	Quarts(QT)	26-Feb-19
0001418052	-	EPOXY GLUE	1	Ounces(OZ)	26-Feb-19
0001418060	-	GREAT STUFF FOAM SEALANT	8.5	Ounces(OZ)	26-Feb-19
0001418061	-	GREAT STUFF FOAM SEALANT	8.5	Ounces(OZ)	26-Feb-19
0001423190	-	SEALING COMPOUND	1	Pounds(LB)	26-Feb-19
V0000023CA	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	26-Feb-19
V0000023CB	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	26-Feb-19
V0000023CC	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	26-Feb-19
V0000023CD	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	26-Feb-19
V0000023C9	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	26-Feb-19
V000002401	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002400	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023FF	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023FE	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023FD	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023FC	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023FB	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023FA	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023F9	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V000002402	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023F7	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V000002405	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023F6	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023F5	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023F4	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023F3	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023F8	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V00000240B	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V000002414	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V000002413	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V000002412	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V000002411	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V000002410	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V00000240F	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V00000240E	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V000002403	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V00000240C	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023F2	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V00000240A	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V000002409	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V000002408	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V000002407	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V000002406	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023EE	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V000002404	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V00000240D	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023D5	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023F0	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023DC	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023DB	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023DA	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023D9	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023D8	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023DE	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023D6	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023DF	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023D4	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023D3	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023D2	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V0000023D1	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023D0	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023CF	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023CE	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023D7	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023E7	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023EF	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V000002417	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023ED	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023EC	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023EB	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023EA	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023DD	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023E8	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023F1	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023E6	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023E5	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023E4	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023E3	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023E2	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023E1	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023E0	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V0000023E9	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V000002415	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V000002418	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V000002419	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V00000241A	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V00000241B	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V00000241C	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V00000241D	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V000002416	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	26-Feb-19
V00000241E	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	26-Feb-19
V00000241F	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	26-Feb-19
V000002420	-	Parts Plus SAE 80W-90 GEAR OIL	1	Quarts(QT)	26-Feb-19
V000002428	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Feb-19
V000002423	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Feb-19
V00000242D	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Feb-19
V00000242C	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Feb-19
V00000242B	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Feb-19
V00000242A	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Feb-19
V000002429	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Feb-19
V000002427	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Feb-19
V000002426	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Feb-19
V000002424	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Feb-19
V000002422	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Feb-19
V000002421	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Feb-19
V000002425	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Feb-19
V000002434	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	26-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002431	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	26-Feb-19
V000002436	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	26-Feb-19
V000002435	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	26-Feb-19
V00000242E	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	26-Feb-19
V000002433	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	26-Feb-19
V000002432	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	26-Feb-19
V000002430	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	26-Feb-19
V00000242F	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	26-Feb-19
V00000243A	-	RV ANTIFREEZE	1	Gallon(GAL)	26-Feb-19
V000002439	-	RV ANTIFREEZE	1	Gallon(GAL)	26-Feb-19
V000002438	-	RV ANTIFREEZE	1	Gallon(GAL)	26-Feb-19
V000002437	-	RV ANTIFREEZE	1	Gallon(GAL)	26-Feb-19
V00000243B	-	RV ANTIFREEZE	1	Gallon(GAL)	26-Feb-19
0001574225	-	ULTRA GREY SILICONE GASKET MAKER	3.5	Ounces(OZ)	26-Feb-19
0001574226	-	ULTRA GREY SILICONE GASKET MAKER	3.5	Ounces(OZ)	26-Feb-19
0001574228	-	ULTRA GREY SILICONE GASKET MAKER	3.5	Ounces(OZ)	26-Feb-19
0001574227	-	ULTRA GREY SILICONE GASKET MAKER	3.5	Ounces(OZ)	26-Feb-19
0001574229	-	ULTRA BLACK GASKET MAKER	3.5	Ounces(OZ)	26-Feb-19
0001574230	-	ULTRA BLACK GASKET MAKER	3.5	Ounces(OZ)	26-Feb-19
0001574231	-	26BR High Temp RTV Red Silicone Gasket Maker	3	Ounces(OZ)	26-Feb-19
0001517508	-	BRASSO METAL POLISH	8	Ounces(OZ)	26-Feb-19
0001517510	-	BRASSO METAL POLISH	8	Ounces(OZ)	26-Feb-19
0001517509	-	BRASSO METAL POLISH	8	Ounces(OZ)	26-Feb-19
0001517511	-	LIPOFECTAMINE CRISPRMAX	0.3	Milliliter(ML)	26-Feb-19
0001517512	872-50-4	1-METHYL-2-PYRROLIDINONE	2.5	Liters(L)	26-Feb-19
0001517513	20694-39-7	MANGANESE(II) NITRATE TETRAHYDRATE	100	Gram(GM)	26-Feb-19
0001517514	20694-39-7	MANGANESE(II) NITRATE TETRAHYDRATE	100	Gram(GM)	26-Feb-19
0001517515	-	Lanthanum(III) nitrate hexahydrate 98+%	100	Gram(GM)	26-Feb-19
0001517516	-	Intellipack SmartFoam A	55	Gallon(GAL)	26-Feb-19
0001517517	-	Intellipack SmartFoam A	55	Gallon(GAL)	26-Feb-19
0001574232	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	26-Feb-19
0001574237	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	26-Feb-19
0001574236	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	26-Feb-19
0001574233	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	26-Feb-19
0001574238	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	26-Feb-19
0001574235	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	26-Feb-19
0001574234	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	26-Feb-19
0001573087	-	CHAIN & CABLE LUBRICANT	11	Ounces(OZ)	26-Feb-19
0001573088	-	CHAIN & CABLE LUBRICANT	11	Ounces(OZ)	26-Feb-19
0001573089	-	CHAIN & CABLE LUBRICANT	11	Ounces(OZ)	26-Feb-19
0001573090	-	CHAIN & CABLE LUBRICANT	11	Ounces(OZ)	26-Feb-19
0001573093	-	CHAIN & CABLE LUBRICANT	11	Ounces(OZ)	26-Feb-19
0001573092	-	CHAIN & CABLE LUBRICANT	11	Ounces(OZ)	26-Feb-19
0001573091	-	CHAIN & CABLE LUBRICANT	11	Ounces(OZ)	26-Feb-19
0001573094	-	CRC BRAKLEEN BRAKE CLEANER	14	Ounces(OZ)	26-Feb-19
0001573095	-	CRC BRAKLEEN BRAKE CLEANER	14	Ounces(OZ)	26-Feb-19
0001573096	-	CRC BRAKLEEN BRAKE CLEANER	14	Ounces(OZ)	26-Feb-19
0001573097	-	CRC BRAKLEEN BRAKE CLEANER	14	Ounces(OZ)	26-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001573098	-	CRC BRAKLEEN BRAKE CLEANER	14	Ounces(OZ)	26-Feb-19
0001573105	-	CRC BRAKLEEN BRAKE CLEANER	14	Ounces(OZ)	26-Feb-19
0001573102	-	CRC BRAKLEEN BRAKE CLEANER	14	Ounces(OZ)	26-Feb-19
0001573107	-	CRC BRAKLEEN BRAKE CLEANER	14	Ounces(OZ)	26-Feb-19
0001573101	-	CRC BRAKLEEN BRAKE CLEANER	14	Ounces(OZ)	26-Feb-19
0001573106	-	CRC BRAKLEEN BRAKE CLEANER	14	Ounces(OZ)	26-Feb-19
0001573103	-	CRC BRAKLEEN BRAKE CLEANER	14	Ounces(OZ)	26-Feb-19
0001573109	-	CRC BRAKLEEN BRAKE CLEANER	14	Ounces(OZ)	26-Feb-19
0001573104	-	CRC BRAKLEEN BRAKE CLEANER	14	Ounces(OZ)	26-Feb-19
0001573100	-	CRC BRAKLEEN BRAKE CLEANER	14	Ounces(OZ)	26-Feb-19
0001573099	-	CRC BRAKLEEN BRAKE CLEANER	14	Ounces(OZ)	26-Feb-19
0001573108	-	CRC BRAKLEEN BRAKE CLEANER	14	Ounces(OZ)	26-Feb-19
0001573110	-	WHITE LITHIUM GREASE AEROSOL	10	Ounces(OZ)	26-Feb-19
0001573111	-	WHITE LITHIUM GREASE AEROSOL	10	Ounces(OZ)	26-Feb-19
0001573112	-	KRYLON ColorMaster with Covermax Technology	12	Ounces(OZ)	26-Feb-19
0001573113	-	KRYLON ColorMaster with Covermax Technology	12	Ounces(OZ)	26-Feb-19
0001573120	-	KRYLON ColorMaster with Covermax Technology	12	Ounces(OZ)	26-Feb-19
0001573119	-	KRYLON ColorMaster with Covermax Technology	12	Ounces(OZ)	26-Feb-19
0001573118	-	KRYLON ColorMaster with Covermax Technology	12	Ounces(OZ)	26-Feb-19
0001573117	-	KRYLON ColorMaster with Covermax Technology	12	Ounces(OZ)	26-Feb-19
0001573116	-	KRYLON ColorMaster with Covermax Technology	12	Ounces(OZ)	26-Feb-19
0001573115	-	KRYLON ColorMaster with Covermax Technology	12	Ounces(OZ)	26-Feb-19
0001573114	-	KRYLON ColorMaster with Covermax Technology	12	Ounces(OZ)	26-Feb-19
0001573121	-	DIESEL FUEL SUPPLEMENT	32	Ounces(OZ)	26-Feb-19
0001573122	-	DIESEL FUEL SUPPLEMENT	32	Ounces(OZ)	26-Feb-19
0001573123	-	HEAVY DUTY BRAKE FLUID DOT3	1	Quarts(QT)	26-Feb-19
0001573124	-	Parts Plus Type F ATF	1	Quarts(QT)	26-Feb-19
0001573125	-	Parts Plus Type F ATF	1	Quarts(QT)	26-Feb-19
0001573126	-	Parts Plus Type F ATF	1	Quarts(QT)	26-Feb-19
0001573127	-	Parts Plus Type F ATF	1	Quarts(QT)	26-Feb-19
0001573128	-	MOBIL 1 5W-50	1	Quarts(QT)	26-Feb-19
0001517520	-	MACROPOXY 646 Fast Cure Epoxy (Part A) - Mill	2	Gallon(GAL)	26-Feb-19
0001573131	-	MOBIL 1 5W-50	1	Quarts(QT)	26-Feb-19
0001573130	-	MOBIL 1 5W-50	1	Quarts(QT)	26-Feb-19
0001573129	-	MOBIL 1 5W-50	1	Quarts(QT)	26-Feb-19
0001594531	3739-94-4	2 6-PYRIDINEDICARBONYL DICHLORIDE 97%	25	Gram(GM)	27-Feb-19
0001594532	25281-63-4	Poly-DL-alanine	100	Milligram(MG)	27-Feb-19
0001594533	7429-90-5	ALUMINUM POWDER	5	Kilograms(KG)	27-Feb-19
0001594534	7440-50-8	COPPER (METAL) POWDER	2	Kilograms(KG)	27-Feb-19
0001594535	91-17-8	DECAHYDRONAPHTHALENE	1	Liters(L)	27-Feb-19
0001594536	7440-66-6	ZINC GRANULES	250	Gram(GM)	27-Feb-19
0001594537	1306-38-3	CERIUM (IV) OXIDE 99.9%	50	Gram(GM)	27-Feb-19
0001594538	1306-38-3	CERIUM(IV) OXIDE	50	Gram(GM)	27-Feb-19
0001594539	7783-18-8	AMMONIUM THIOSULFATE	500	Gram(GM)	27-Feb-19
0001594540	584-08-7	POTASSIUM CARBONATE	500	Gram(GM)	27-Feb-19
0001594615	8042-97-5	PUMP OIL ULTRAGRADE 19	1	Liters(L)	27-Feb-19
0001594626	8042-97-5	PUMP OIL ULTRAGRADE 19	1	Liters(L)	27-Feb-19
0001594618	8042-97-5	PUMP OIL ULTRAGRADE 19	1	Liters(L)	27-Feb-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001594621	8042-97-5	PUMP OIL ULTRAGRADE 19	1	Liters(L)	27-Feb-19
0001594624	8042-97-5	PUMP OIL ULTRAGRADE 19	1	Liters(L)	27-Feb-19
0001594620	8042-97-5	PUMP OIL ULTRAGRADE 19	1	Liters(L)	27-Feb-19
0001594625	8042-97-5	PUMP OIL ULTRAGRADE 19	1	Liters(L)	27-Feb-19
0001594622	8042-97-5	PUMP OIL ULTRAGRADE 19	1	Liters(L)	27-Feb-19
0001594616	8042-97-5	PUMP OIL ULTRAGRADE 19	1	Liters(L)	27-Feb-19
0001594617	8042-97-5	PUMP OIL ULTRAGRADE 19	1	Liters(L)	27-Feb-19
0001594623	8042-97-5	PUMP OIL ULTRAGRADE 19	1	Liters(L)	27-Feb-19
0001594619	8042-97-5	PUMP OIL ULTRAGRADE 19	1	Liters(L)	27-Feb-19
0001594627	2321-07-5	FLUORESCEIN	5	Milligram(MG)	27-Feb-19
0001594628	-	ß-BODIPY FL C12-HPC (2-(4 4-Difluoro-5 7-	100	MicroGram(UG	27-Feb-19
0001594629	-	ß-BODIPY FL C12-HPC (2-(4 4-Difluoro-5 7-	100	MicroGram(UG	27-Feb-19
0001500851	-	HERCULES REAL TUFF TEFLON PASTE THREAD	8	Ounces(OZ)	27-Feb-19
0001502042	-	808-7214 COLORTREND E PHTHALO BLUE	1	Liters(L)	27-Feb-19
0001502049	-	808-7214 COLORTREND E PHTHALO BLUE	1	Liters(L)	27-Feb-19
0001502048	-	808-7214 COLORTREND E PHTHALO BLUE	1	Liters(L)	27-Feb-19
0001502047	-	808-7214 COLORTREND E PHTHALO BLUE	1	Liters(L)	27-Feb-19
0001502046	-	808-7214 COLORTREND E PHTHALO BLUE	1	Liters(L)	27-Feb-19
0001502045	-	808-7214 COLORTREND E PHTHALO BLUE	1	Liters(L)	27-Feb-19
0001502044	-	808-7214 COLORTREND E PHTHALO BLUE	1	Liters(L)	27-Feb-19
0001502043	-	808-7214 COLORTREND E PHTHALO BLUE	1	Liters(L)	27-Feb-19
0001502050	-	808-0422 COLORTREND V MAGENTA	1	Liters(L)	27-Feb-19
0001502051	-	808-0422 COLORTREND V MAGENTA	1	Liters(L)	27-Feb-19
0001502053	-	808-0422 COLORTREND V MAGENTA	1	Liters(L)	27-Feb-19
0001502054	-	808-0422 COLORTREND V MAGENTA	1	Liters(L)	27-Feb-19
0001502055	-	808-0422 COLORTREND V MAGENTA	1	Liters(L)	27-Feb-19
0001502056	-	808-0422 COLORTREND V MAGENTA	1	Liters(L)	27-Feb-19
0001502057	-	808-0422 COLORTREND V MAGENTA	1	Liters(L)	27-Feb-19
0001502052	-	808-0422 COLORTREND V MAGENTA	1	Liters(L)	27-Feb-19
0001502058	-	808-0020 TITANIUM WHITE	1	Liters(L)	27-Feb-19
0001502065	-	808-0020 TITANIUM WHITE	1	Liters(L)	27-Feb-19
0001502059	-	808-0020 TITANIUM WHITE	1	Liters(L)	27-Feb-19
0001502060	-	808-0020 TITANIUM WHITE	1	Liters(L)	27-Feb-19
0001502061	-	808-0020 TITANIUM WHITE	1	Liters(L)	27-Feb-19
0001502062	-	808-0020 TITANIUM WHITE	1	Liters(L)	27-Feb-19
0001502063	-	808-0020 TITANIUM WHITE	1	Liters(L)	27-Feb-19
0001502064	-	808-0020 TITANIUM WHITE	1	Liters(L)	27-Feb-19
0001502170	-	BIN 1-GL 4 PK PRIMER	1	Gallon(GAL)	27-Feb-19
0001502171	-	BIN 1-GL 4 PK PRIMER	1	Gallon(GAL)	27-Feb-19
0001502172	-	BIN 1-GL 4 PK PRIMER	1	Gallon(GAL)	27-Feb-19
0001502173	-	BIN 1-GL 4 PK PRIMER	1	Gallon(GAL)	27-Feb-19
0001502174	-	BIN 1-GL 4 PK PRIMER	1	Gallon(GAL)	27-Feb-19
0001502177	-	BIN 1-GL 4 PK PRIMER	1	Gallon(GAL)	27-Feb-19
0001502176	-	BIN 1-GL 4 PK PRIMER	1	Gallon(GAL)	27-Feb-19
0001502175	-	BIN 1-GL 4 PK PRIMER	1	Gallon(GAL)	27-Feb-19
0001502017	-	PSX 700 CURE US	0.2	Gallon(GAL)	27-Feb-19
0001502027	-	PSX 700 CURE US	0.2	Gallon(GAL)	27-Feb-19
0001502023	-	PSX 700 CURE US	0.2	Gallon(GAL)	27-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001502018	-	PSX 700 CURE US	0.2	Gallon(GAL)	27-Feb-19
0001502019	-	PSX 700 CURE US	0.2	Gallon(GAL)	27-Feb-19
0001502020	-	PSX 700 CURE US	0.2	Gallon(GAL)	27-Feb-19
0001502022	-	PSX 700 CURE US	0.2	Gallon(GAL)	27-Feb-19
0001502024	-	PSX 700 CURE US	0.2	Gallon(GAL)	27-Feb-19
0001502026	-	PSX 700 CURE US	0.2	Gallon(GAL)	27-Feb-19
0001502028	-	PSX 700 CURE US	0.2	Gallon(GAL)	27-Feb-19
0001502029	-	PSX 700 CURE US	0.2	Gallon(GAL)	27-Feb-19
0001502025	-	PSX 700 CURE US	0.2	Gallon(GAL)	27-Feb-19
0001502021	-	PSX 700 CURE US	0.2	Gallon(GAL)	27-Feb-19
0001502093	-	PSX 700 CURE	0.2	Gallon(GAL)	27-Feb-19
0001502115	-	PSX 700 CURE	0.2	Gallon(GAL)	27-Feb-19
0001502095	-	PSX 700 CURE	0.2	Gallon(GAL)	27-Feb-19
0001502094	-	PSX 700 CURE	0.2	Gallon(GAL)	27-Feb-19
0001502111	-	PSX 700 CURE	0.2	Gallon(GAL)	27-Feb-19
0001502112	-	PSX 700 CURE	0.2	Gallon(GAL)	27-Feb-19
0001502122	-	PSX 700 CURE	0.2	Gallon(GAL)	27-Feb-19
0001502114	-	PSX 700 CURE	0.2	Gallon(GAL)	27-Feb-19
0001502110	-	PSX 700 CURE	0.2	Gallon(GAL)	27-Feb-19
0001502116	-	PSX 700 CURE	0.2	Gallon(GAL)	27-Feb-19
0001502117	-	PSX 700 CURE	0.2	Gallon(GAL)	27-Feb-19
0001502118	-	PSX 700 CURE	0.2	Gallon(GAL)	27-Feb-19
0001502120	-	PSX 700 CURE	0.2	Gallon(GAL)	27-Feb-19
0001502098	-	PSX 700 CURE	0.2	Gallon(GAL)	27-Feb-19
0001502113	-	PSX 700 CURE	0.2	Gallon(GAL)	27-Feb-19
0001502097	-	PSX 700 CURE	0.2	Gallon(GAL)	27-Feb-19
0001502121	-	PSX 700 CURE	0.2	Gallon(GAL)	27-Feb-19
0001502109	-	PSX 700 CURE	0.2	Gallon(GAL)	27-Feb-19
0001502108	-	PSX 700 CURE	0.2	Gallon(GAL)	27-Feb-19
0001502107	-	PSX 700 CURE	0.2	Gallon(GAL)	27-Feb-19
0001502106	-	PSX 700 CURE	0.2	Gallon(GAL)	27-Feb-19
0001502105	-	PSX 700 CURE	0.2	Gallon(GAL)	27-Feb-19
0001502104	-	PSX 700 CURE	0.2	Gallon(GAL)	27-Feb-19
0001502103	-	PSX 700 CURE	0.2	Gallon(GAL)	27-Feb-19
0001502102	-	PSX 700 CURE	0.2	Gallon(GAL)	27-Feb-19
0001502101	-	PSX 700 CURE	0.2	Gallon(GAL)	27-Feb-19
0001502100	-	PSX 700 CURE	0.2	Gallon(GAL)	27-Feb-19
0001502099	-	PSX 700 CURE	0.2	Gallon(GAL)	27-Feb-19
0001502096	-	PSX 700 CURE	0.2	Gallon(GAL)	27-Feb-19
0001502131	-	PSX 700 CURE	0.2	Gallon(GAL)	27-Feb-19
0001502130	-	PSX 700 CURE	0.2	Gallon(GAL)	27-Feb-19
0001502129	-	PSX 700 CURE	0.2	Gallon(GAL)	27-Feb-19
0001502128	-	PSX 700 CURE	0.2	Gallon(GAL)	27-Feb-19
0001502123	-	PSX 700 CURE	0.2	Gallon(GAL)	27-Feb-19
0001502124	-	PSX 700 CURE	0.2	Gallon(GAL)	27-Feb-19
0001502125	-	PSX 700 CURE	0.2	Gallon(GAL)	27-Feb-19
0001502126	-	PSX 700 CURE	0.2	Gallon(GAL)	27-Feb-19
0001502127	-	PSX 700 CURE	0.2	Gallon(GAL)	27-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001502132	-	PSX 700 CURE	0.2	Gallon(GAL)	27-Feb-19
0001502119	-	PSX 700 CURE	0.2	Gallon(GAL)	27-Feb-19
0001386716	-	SULFIDE 1 REAGENT	100	Milliliter(ML)	27-Feb-19
0001386718	-	SULFIDE 1 REAGENT	100	Milliliter(ML)	27-Feb-19
0001386717	-	SULFIDE 1 REAGENT	100	Milliliter(ML)	27-Feb-19
0001386719	74-98-6	PROPANE FUEL	2	Cubic Feet(CF)	27-Feb-19
0001386720	67-64-1	ACETONE	1	Liters(L)	27-Feb-19
0001386722	7664-93-9	SULFURIC ACID	13	Milliliter(ML)	27-Feb-19
0001386721	7664-93-9	SULFURIC ACID	13	Milliliter(ML)	27-Feb-19
0001386723	7664-93-9	SULFURIC ACID	13	Milliliter(ML)	27-Feb-19
0001386724	-	SULFIDE 2 REAGENT	100	Milliliter(ML)	27-Feb-19
0001386725	-	SULFIDE 2 REAGENT	100	Milliliter(ML)	27-Feb-19
0001386726	-	SULFIDE 2 REAGENT	100	Milliliter(ML)	27-Feb-19
0001594563	-	SYLGARD 184 SILICONE ELASTOMER	1	Kilograms(KG)	27-Feb-19
0001594567	-	SYLGARD 184 SILICONE ELASTOMER	1	Kilograms(KG)	27-Feb-19
0001594568	-	SYLGARD 184 SILICONE ELASTOMER	1	Kilograms(KG)	27-Feb-19
0001594564	-	SYLGARD 184 SILICONE ELASTOMER	1	Kilograms(KG)	27-Feb-19
0001594566	-	SYLGARD 184 SILICONE ELASTOMER	1	Kilograms(KG)	27-Feb-19
0001594565	-	SYLGARD 184 SILICONE ELASTOMER	1	Kilograms(KG)	27-Feb-19
0001517521	142-82-5	HEPTANE	4	Liters(L)	28-Feb-19
0001517522	-	Lead Natural Pb plasma standard solution	50	Milliliter(ML)	28-Feb-19
0001517523	25952-53-8	1-ETHYL-3-(3-DIMETHYLAMINOPROPYL)-	5	Gram(GM)	28-Feb-19
0001594541	7440-33-7	TUNGSTEN POWDER	500	Gram(GM)	28-Feb-19
0001594542	7440-33-7	TUNGSTEN POWDER	500	Gram(GM)	28-Feb-19
0001594569	67-63-0	ISOPROPYL ALCOHOL	3.8	Liters(L)	28-Feb-19
0001594572	67-63-0	ISOPROPYL ALCOHOL	3.8	Liters(L)	28-Feb-19
0001594576	67-63-0	ISOPROPYL ALCOHOL	3.8	Liters(L)	28-Feb-19
0001594571	67-63-0	ISOPROPYL ALCOHOL	3.8	Liters(L)	28-Feb-19
0001594570	67-63-0	ISOPROPYL ALCOHOL	3.8	Liters(L)	28-Feb-19
0001594574	67-63-0	ISOPROPYL ALCOHOL	3.8	Liters(L)	28-Feb-19
0001594575	67-63-0	ISOPROPYL ALCOHOL	3.8	Liters(L)	28-Feb-19
0001594578	67-63-0	ISOPROPYL ALCOHOL	3.8	Liters(L)	28-Feb-19
0001594577	67-63-0	ISOPROPYL ALCOHOL	3.8	Liters(L)	28-Feb-19
0001594573	67-63-0	ISOPROPYL ALCOHOL	3.8	Liters(L)	28-Feb-19
0001594630	33527-91-2	Tris(2-dimethylaminoethyl)amine	25	Gram(GM)	28-Feb-19
0001594631	64-17-5	ETHANOL ANHYDROUS	1	Liters(L)	28-Feb-19
0001594632	1310-58-3	POTASSIUM HYDROXIDE	500	Gram(GM)	28-Feb-19
0001594633	7087-68-5	N N-DIISOPROPYLETHYLAMINE	100	Milliliter(ML)	28-Feb-19
0001594634	7087-68-5	N N-DIISOPROPYLETHYLAMINE	100	Milliliter(ML)	28-Feb-19
0001594635	10361-92-9	YTTRIUM(III) CHLORIDE ANHYDROUS	10	Gram(GM)	28-Feb-19
0001594636	141-43-5	ETHANOLAMINE	100	Milliliter(ML)	28-Feb-19
0001594637	141-43-5	ETHANOLAMINE	100	Milliliter(ML)	28-Feb-19
0001594638	7447-40-7	POTASSIUM CHLORIDE	10	Gram(GM)	28-Feb-19
0001594639	69011-17-2	DOWEX 66 ION-EXCHANGE RESIN	500	Gram(GM)	28-Feb-19
0001594641	69011-17-2	DOWEX 66 ION-EXCHANGE RESIN	500	Gram(GM)	28-Feb-19
0001594640	69011-17-2	DOWEX 66 ION-EXCHANGE RESIN	500	Gram(GM)	28-Feb-19
0001564096	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Liters(L)	28-Feb-19
0001564100	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Liters(L)	28-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001564098	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Liters(L)	28-Feb-19
0001564097	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Liters(L)	28-Feb-19
0001564099	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Liters(L)	28-Feb-19
0001564101	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564145	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564109	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564108	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564107	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564106	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564105	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564104	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564103	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564102	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564134	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564144	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564136	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564113	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564138	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564143	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564142	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564141	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564140	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564139	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564135	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564129	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564125	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564121	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564120	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564119	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564118	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564126	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564127	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564128	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564111	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564122	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564124	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564123	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564130	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564131	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564132	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564133	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564117	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564116	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564115	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564114	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564137	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564112	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564110	-	Nitrogen UHP	220	Cubic Feet(CF)	28-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001564146	7782-44-7	OXYGEN COMPRESSED GAS	125	Cubic Feet(CF)	28-Feb-19
0001564148	7782-44-7	OXYGEN COMPRESSED GAS	125	Cubic Feet(CF)	28-Feb-19
0001564147	7782-44-7	OXYGEN COMPRESSED GAS	125	Cubic Feet(CF)	28-Feb-19
0001564149	7782-44-7	OXYGEN COMPRESSED GAS	20	Cubic Feet(CF)	28-Feb-19
0001564151	7782-44-7	OXYGEN COMPRESSED GAS	20	Cubic Feet(CF)	28-Feb-19
0001564150	7782-44-7	OXYGEN COMPRESSED GAS	20	Cubic Feet(CF)	28-Feb-19
0001564152	7727-37-9	NITROGEN COMPRESSED GAS	40	Cubic Feet(CF)	28-Feb-19
0001564165	7727-37-9	NITROGEN COMPRESSED GAS	40	Cubic Feet(CF)	28-Feb-19
0001564166	7727-37-9	NITROGEN COMPRESSED GAS	40	Cubic Feet(CF)	28-Feb-19
0001564164	7727-37-9	NITROGEN COMPRESSED GAS	40	Cubic Feet(CF)	28-Feb-19
0001564163	7727-37-9	NITROGEN COMPRESSED GAS	40	Cubic Feet(CF)	28-Feb-19
0001564162	7727-37-9	NITROGEN COMPRESSED GAS	40	Cubic Feet(CF)	28-Feb-19
0001564161	7727-37-9	NITROGEN COMPRESSED GAS	40	Cubic Feet(CF)	28-Feb-19
0001564160	7727-37-9	NITROGEN COMPRESSED GAS	40	Cubic Feet(CF)	28-Feb-19
0001564158	7727-37-9	NITROGEN COMPRESSED GAS	40	Cubic Feet(CF)	28-Feb-19
0001564157	7727-37-9	NITROGEN COMPRESSED GAS	40	Cubic Feet(CF)	28-Feb-19
0001564156	7727-37-9	NITROGEN COMPRESSED GAS	40	Cubic Feet(CF)	28-Feb-19
0001564155	7727-37-9	NITROGEN COMPRESSED GAS	40	Cubic Feet(CF)	28-Feb-19
0001564154	7727-37-9	NITROGEN COMPRESSED GAS	40	Cubic Feet(CF)	28-Feb-19
0001564159	7727-37-9	NITROGEN COMPRESSED GAS	40	Cubic Feet(CF)	28-Feb-19
0001564153	7727-37-9	NITROGEN COMPRESSED GAS	40	Cubic Feet(CF)	28-Feb-19
0001564167	-	Argon UHP	220	Cubic Feet(CF)	28-Feb-19
0001564179	-	Argon UHP	220	Cubic Feet(CF)	28-Feb-19
0001564174	-	Argon UHP	220	Cubic Feet(CF)	28-Feb-19
0001564175	-	Argon UHP	220	Cubic Feet(CF)	28-Feb-19
0001564176	-	Argon UHP	220	Cubic Feet(CF)	28-Feb-19
0001564173	-	Argon UHP	220	Cubic Feet(CF)	28-Feb-19
0001564178	-	Argon UHP	220	Cubic Feet(CF)	28-Feb-19
0001564169	-	Argon UHP	220	Cubic Feet(CF)	28-Feb-19
0001564180	-	Argon UHP	220	Cubic Feet(CF)	28-Feb-19
0001564177	-	Argon UHP	220	Cubic Feet(CF)	28-Feb-19
0001564172	-	Argon UHP	220	Cubic Feet(CF)	28-Feb-19
0001564170	-	Argon UHP	220	Cubic Feet(CF)	28-Feb-19
0001564168	-	Argon UHP	220	Cubic Feet(CF)	28-Feb-19
0001564171	-	Argon UHP	220	Cubic Feet(CF)	28-Feb-19
0001564181	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Feb-19
0001564190	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Feb-19
0001564186	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Feb-19
0001564193	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Feb-19
0001564191	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Feb-19
0001564192	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Feb-19
0001564189	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Feb-19
0001564194	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Feb-19
0001564188	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Feb-19
0001564187	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Feb-19
0001564184	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Feb-19
0001564183	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Feb-19
0001564182	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001564195	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Feb-19
0001564185	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Feb-19
0001564196	-	Hydrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564197	-	Hydrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564207	-	Hydrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564206	-	Hydrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564205	-	Hydrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564204	-	Hydrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564203	-	Hydrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564202	-	Hydrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564201	-	Hydrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564200	-	Hydrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564198	-	Hydrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564199	-	Hydrogen UHP	220	Cubic Feet(CF)	28-Feb-19
0001564208	-	25% HELIUM/75% ARGON	220	Cubic Feet(CF)	28-Feb-19
0001564209	-	25% HELIUM/75% ARGON	220	Cubic Feet(CF)	28-Feb-19
0001564210	-	25% HELIUM/75% ARGON	220	Cubic Feet(CF)	28-Feb-19
0001564211	-	25% HELIUM/75% ARGON	220	Cubic Feet(CF)	28-Feb-19
0001564212	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	28-Feb-19
0001564214	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	28-Feb-19
0001564215	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	28-Feb-19
0001564217	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	28-Feb-19
0001564218	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	28-Feb-19
0001564219	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	28-Feb-19
0001564220	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	28-Feb-19
0001564221	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	28-Feb-19
0001564216	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	28-Feb-19
0001564213	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	28-Feb-19
0001564222	2551-62-4	SULFUR HEXAFLUORIDE	220	Cubic Feet(CF)	28-Feb-19
0001564224	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Feb-19
0001564223	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Feb-19
0001564225	74-98-6	PROPANE	50	Pounds(LB)	28-Feb-19
0001564228	74-98-6	PROPANE	50	Pounds(LB)	28-Feb-19
0001564229	74-98-6	PROPANE	50	Pounds(LB)	28-Feb-19
0001564227	74-98-6	PROPANE	50	Pounds(LB)	28-Feb-19
0001564226	74-98-6	PROPANE	50	Pounds(LB)	28-Feb-19
0001564230	74-98-6	PROPANE	50	Pounds(LB)	28-Feb-19
0001564231	7727-37-9	NITROGEN COMPRESSED GAS	3.64	Cubic Feet(CF)	28-Feb-19
0001564232	-	30ppm Refrigerant R123/Balance Nitrogen	3.64	Cubic Feet(CF)	28-Feb-19
0001564233	-	Refrigerant R22	30	Pounds(LB)	28-Feb-19
0001564236	-	Refrigerant R22	30	Pounds(LB)	28-Feb-19
0001564234	-	Refrigerant R22	30	Pounds(LB)	28-Feb-19
0001564235	-	Refrigerant R22	30	Pounds(LB)	28-Feb-19
0001516799	-	HFE-7200 3M NOVEC ENGINEERED FLUID	1	Gallon(GAL)	28-Feb-19
0001517524	7664-39-3	HYDROFLUORIC ACID 48%	500	Milliliter(ML)	28-Feb-19
0001517525	121-92-6	3-NITROBENZOIC ACID	1	Kilograms(KG)	28-Feb-19
0001517526	6100-05-6	CITRIC ACID TRIPOTASSIUM SALT	500	Gram(GM)	28-Feb-19
0001594642	7439-88-5	IRIDIUM	2	Gram(GM)	28-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001594643	-	SILICA REAGENT KIT	10	Milliliter(ML)	28-Feb-19
0001594645	-	SILICA REAGENT KIT	10	Milliliter(ML)	28-Feb-19
0001594644	-	SILICA REAGENT KIT	10	Milliliter(ML)	28-Feb-19
0001594646	-	SILICA STANDARD SOLUTION	200	Milliliter(ML)	28-Feb-19
0001594648	-	SILICA STANDARD SOLUTION	200	Milliliter(ML)	28-Feb-19
0001594647	-	SILICA STANDARD SOLUTION	200	Milliliter(ML)	28-Feb-19
0001594650	67-63-0	ISOPROPYL ALCOHOL	16	Ounces(OZ)	28-Feb-19
0001594670	67-63-0	ISOPROPYL ALCOHOL	16	Ounces(OZ)	28-Feb-19
0001594673	67-63-0	ISOPROPYL ALCOHOL	16	Ounces(OZ)	28-Feb-19
0001594672	67-63-0	ISOPROPYL ALCOHOL	16	Ounces(OZ)	28-Feb-19
0001594671	67-63-0	ISOPROPYL ALCOHOL	16	Ounces(OZ)	28-Feb-19
0001594657	67-63-0	ISOPROPYL ALCOHOL	16	Ounces(OZ)	28-Feb-19
0001594667	67-63-0	ISOPROPYL ALCOHOL	16	Ounces(OZ)	28-Feb-19
0001594668	67-63-0	ISOPROPYL ALCOHOL	16	Ounces(OZ)	28-Feb-19
0001594663	67-63-0	ISOPROPYL ALCOHOL	16	Ounces(OZ)	28-Feb-19
0001594666	67-63-0	ISOPROPYL ALCOHOL	16	Ounces(OZ)	28-Feb-19
0001594665	67-63-0	ISOPROPYL ALCOHOL	16	Ounces(OZ)	28-Feb-19
0001594664	67-63-0	ISOPROPYL ALCOHOL	16	Ounces(OZ)	28-Feb-19
0001594662	67-63-0	ISOPROPYL ALCOHOL	16	Ounces(OZ)	28-Feb-19
0001594661	67-63-0	ISOPROPYL ALCOHOL	16	Ounces(OZ)	28-Feb-19
0001594660	67-63-0	ISOPROPYL ALCOHOL	16	Ounces(OZ)	28-Feb-19
0001594658	67-63-0	ISOPROPYL ALCOHOL	16	Ounces(OZ)	28-Feb-19
0001594669	67-63-0	ISOPROPYL ALCOHOL	16	Ounces(OZ)	28-Feb-19
0001594656	67-63-0	ISOPROPYL ALCOHOL	16	Ounces(OZ)	28-Feb-19
0001594653	67-63-0	ISOPROPYL ALCOHOL	16	Ounces(OZ)	28-Feb-19
0001594654	67-63-0	ISOPROPYL ALCOHOL	16	Ounces(OZ)	28-Feb-19
0001594651	67-63-0	ISOPROPYL ALCOHOL	16	Ounces(OZ)	28-Feb-19
0001594655	67-63-0	ISOPROPYL ALCOHOL	16	Ounces(OZ)	28-Feb-19
0001594659	67-63-0	ISOPROPYL ALCOHOL	16	Ounces(OZ)	28-Feb-19
0001594652	67-63-0	ISOPROPYL ALCOHOL	16	Ounces(OZ)	28-Feb-19
0001594674	8017-16-1	POLYPHOSPHORIC ACID	500	Milliliter(ML)	28-Feb-19
0001594675	1493-13-6	TRIFLUOROMETHANE SULFONIC ACID	4	Gram(GM)	28-Feb-19
0001594676	1493-13-6	TRIFLUOROMETHANE SULFONIC ACID	4	Gram(GM)	28-Feb-19
0001594677	13478-00-7	NICKEL(III) NITRATE HEXAHYDRATE	50	Gram(GM)	28-Feb-19
0001594678	13478-00-7	NICKEL(III) NITRATE HEXAHYDRATE	50	Gram(GM)	28-Feb-19
0001594679	10210-68-1	COBALT CARBONYL	5	Gram(GM)	28-Feb-19
0001594680	6192-52-5	P-TOLUENESULFONIC ACID MONOHYDRATE	500	Gram(GM)	28-Feb-19
0001594681	95-50-1	1 2-DICHLOROBENZENE	100	Milliliter(ML)	28-Feb-19
0001594682	828-51-3	1-ADAMANTANECARBOXYLIC ACID	25	Gram(GM)	28-Feb-19
0000984362	7732-18-5	Hydrochloric Acid 30-31%	3000	Pounds(LB)	28-Feb-19
0000984363	7732-18-5	Hydrochloric Acid 30-31%	3000	Pounds(LB)	28-Feb-19
V000002465	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	28-Feb-19
V00000245E	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	28-Feb-19
V000002459	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	28-Feb-19
V00000245A	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	28-Feb-19
V00000245B	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	28-Feb-19
V000002457	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	28-Feb-19
V00000245C	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	28-Feb-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V00000245D	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	28-Feb-19
V000002458	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	28-Feb-19
V00000245F	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	28-Feb-19
V000002460	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	28-Feb-19
V000002461	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	28-Feb-19
V000002462	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	28-Feb-19
V000002464	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	28-Feb-19
V000002466	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	28-Feb-19
V000002468	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	28-Feb-19
V000002467	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	28-Feb-19
V000002456	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	28-Feb-19
V000002463	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	28-Feb-19
V00000244C	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	28-Feb-19
V000002445	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	28-Feb-19
V000002441	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	28-Feb-19
V000002443	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	28-Feb-19
V000002444	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	28-Feb-19
V000002446	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	28-Feb-19
V000002448	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	28-Feb-19
V000002449	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	28-Feb-19
V000002442	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	28-Feb-19
V00000244B	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	28-Feb-19
V000002455	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	28-Feb-19
V00000244D	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	28-Feb-19
V00000244E	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	28-Feb-19
V00000244F	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	28-Feb-19
V000002450	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	28-Feb-19
V000002451	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	28-Feb-19
V000002452	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	28-Feb-19
V000002453	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	28-Feb-19
V000002454	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	28-Feb-19
V00000244A	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	28-Feb-19
V000002447	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	28-Feb-19
0001502224	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502324	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502323	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502309	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502298	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502299	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502300	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502301	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502302	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502303	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502304	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502305	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502306	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502320	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502308	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001502322	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502310	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502311	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502312	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502313	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502314	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502315	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502317	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502297	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502319	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502321	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502307	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502251	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502261	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502244	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502245	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502246	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502247	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502248	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502242	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502250	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502241	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502252	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502253	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502254	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502255	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502256	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502257	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502258	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502249	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502233	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502225	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502226	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502227	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502228	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502229	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502230	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502243	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502232	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502260	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502234	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502235	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502236	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502237	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502238	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502239	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502240	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502231	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001502288	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502280	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502281	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502282	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502283	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502284	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502285	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502259	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502287	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502277	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502289	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502290	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502291	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502292	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502293	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502294	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502295	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502286	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502270	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502296	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502262	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502263	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502264	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502265	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502266	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502267	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502279	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502269	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502278	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502271	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502272	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502273	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502274	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502275	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502276	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502318	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502268	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502316	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502325	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502326	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502327	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502328	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502329	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502330	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001502331	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	01-Mar-19
0001514766	-	NORLAND OPTICAL ADHESIVE 68	1	Ounces(OZ)	04-Mar-19
0001514767	-	NORLAND OPTICAL ADHESIVE 68	1	Ounces(OZ)	04-Mar-19
0001594579	7782-63-0	FERROUS SULFATE HEPTAHYDRATE	500	Gram(GM)	04-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001594583	7782-63-0	FERROUS SULFATE HEPTAHYDRATE	500	Gram(GM)	04-Mar-19
0001594584	7782-63-0	FERROUS SULFATE HEPTAHYDRATE	500	Gram(GM)	04-Mar-19
0001594582	7782-63-0	FERROUS SULFATE HEPTAHYDRATE	500	Gram(GM)	04-Mar-19
0001594581	7782-63-0	FERROUS SULFATE HEPTAHYDRATE	500	Gram(GM)	04-Mar-19
0001594580	7782-63-0	FERROUS SULFATE HEPTAHYDRATE	500	Gram(GM)	04-Mar-19
0001594587	-	MicroC 2000	265	Gallon(GAL)	04-Mar-19
0001594588	-	MicroC 2000	265	Gallon(GAL)	04-Mar-19
0001594589	-	MicroC 2000	265	Gallon(GAL)	04-Mar-19
0001594683	-	ANTIFREEZE COOLANT	1	Gallon(GAL)	04-Mar-19
0001594685	-	ANTIFREEZE COOLANT	1	Gallon(GAL)	04-Mar-19
0001594684	-	ANTIFREEZE COOLANT	1	Gallon(GAL)	04-Mar-19
0000015608	-	LIQUID NITROGEN	220	Kilograms(KG)	04-Mar-19
0001594686	811-97-2	DUST SPRAY REMOVER	11	Ounces(OZ)	04-Mar-19
0001594690	811-97-2	Staticide Turbo Blast Precision Duster ACL	11	Ounces(OZ)	04-Mar-19
0001594696	811-97-2	Staticide Turbo Blast Precision Duster ACL	11	Ounces(OZ)	04-Mar-19
0001594691	811-97-2	Staticide Turbo Blast Precision Duster ACL	11	Ounces(OZ)	04-Mar-19
0001594695	811-97-2	Staticide Turbo Blast Precision Duster ACL	11	Ounces(OZ)	04-Mar-19
0001594693	811-97-2	Staticide Turbo Blast Precision Duster ACL	11	Ounces(OZ)	04-Mar-19
0001594700	811-97-2	Staticide Turbo Blast Precision Duster ACL	11	Ounces(OZ)	04-Mar-19
0001594694	811-97-2	Staticide Turbo Blast Precision Duster ACL	11	Ounces(OZ)	04-Mar-19
0001594692	811-97-2	Staticide Turbo Blast Precision Duster ACL	11	Ounces(OZ)	04-Mar-19
0001594697	811-97-2	Staticide Turbo Blast Precision Duster ACL	11	Ounces(OZ)	04-Mar-19
0001594699	811-97-2	Staticide Turbo Blast Precision Duster ACL	11	Ounces(OZ)	04-Mar-19
0001594698	811-97-2	Staticide Turbo Blast Precision Duster ACL	11	Ounces(OZ)	04-Mar-19
0001594701	811-97-2	Staticide Turbo Blast Precision Duster ACL	11	Ounces(OZ)	04-Mar-19
0000015049	-	LIQUID NITROGEN	220	Kilograms(KG)	04-Mar-19
0001594702	-	A-A-3164A #37038 Flat Black Lacquer	16	Ounces(OZ)	04-Mar-19
0001594704	-	A-A-3164A #37038 Flat Black Lacquer	16	Ounces(OZ)	04-Mar-19
0001594703	-	A-A-3164A #37038 Flat Black Lacquer	16	Ounces(OZ)	04-Mar-19
0001594707	-	A-A-3164A #37038 Flat Black Lacquer	16	Ounces(OZ)	04-Mar-19
0001594705	-	A-A-3164A #37038 Flat Black Lacquer	16	Ounces(OZ)	04-Mar-19
0001594706	-	A-A-3164A #37038 Flat Black Lacquer	16	Ounces(OZ)	04-Mar-19
0001594709	112-40-3	DODECANE	1	Liters(L)	04-Mar-19
0001594710	112-40-3	DODECANE	1	Liters(L)	04-Mar-19
0001594712	10024-93-8	NEODYMIUM (III) CHLORIDE	5	Gram(GM)	04-Mar-19
0001594713	10024-93-8	NEODYMIUM (III) CHLORIDE	5	Gram(GM)	04-Mar-19
0001573132	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	04-Mar-19
0001573158	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	04-Mar-19
0001573148	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	04-Mar-19
0001573149	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	04-Mar-19
0001573150	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	04-Mar-19
0001573151	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	04-Mar-19
0001573152	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	04-Mar-19
0001573153	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	04-Mar-19
0001573154	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	04-Mar-19
0001573155	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	04-Mar-19
0001573167	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	04-Mar-19
0001573157	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	04-Mar-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001573165	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	04-Mar-19
0001573159	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	04-Mar-19
0001573160	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	04-Mar-19
0001573161	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	04-Mar-19
0001573162	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	04-Mar-19
0001573145	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	04-Mar-19
0001573166	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	04-Mar-19
0001573163	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	04-Mar-19
0001573164	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	04-Mar-19
0001573156	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	04-Mar-19
0001573136	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	04-Mar-19
0001573133	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	04-Mar-19
0001573147	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	04-Mar-19
0001573135	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	04-Mar-19
0001573146	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	04-Mar-19
0001573137	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	04-Mar-19
0001573138	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	04-Mar-19
0001573139	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	04-Mar-19
0001573141	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	04-Mar-19
0001573134	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	04-Mar-19
0001573144	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	04-Mar-19
0001573142	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	04-Mar-19
0001573140	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	04-Mar-19
0001573143	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	04-Mar-19
0001502178	-	QUIKCRETE CONCRETE	60	Pounds(LB)	04-Mar-19
0001502179	-	QUIKCRETE CONCRETE	60	Pounds(LB)	04-Mar-19
0001502183	-	QUIKCRETE CONCRETE	60	Pounds(LB)	04-Mar-19
0001502182	-	QUIKCRETE CONCRETE	60	Pounds(LB)	04-Mar-19
0001502181	-	QUIKCRETE CONCRETE	60	Pounds(LB)	04-Mar-19
0001502180	-	QUIKCRETE CONCRETE	60	Pounds(LB)	04-Mar-19
0001383238	2117-50-2	Bis(trimethylstannyl)acetylene	1	Gram(GM)	04-Mar-19
0001383236	887144-97-0	3 3-Dimethyl-1-(trifluoromethyl)-1 2-	1	Gram(GM)	04-Mar-19
0001383237	118-52-5	1 3-DICHLORO-5 5-DIMETHYLHYDANTOIN	250	Gram(GM)	04-Mar-19
0001514768	1310-73-2	SODIUM HYDROXIDE 50%	4	Liters(L)	04-Mar-19
0001514777	1310-73-2	SODIUM HYDROXIDE 50%	4	Liters(L)	04-Mar-19
0001514771	1310-73-2	SODIUM HYDROXIDE 50%	4	Liters(L)	04-Mar-19
0001514776	1310-73-2	SODIUM HYDROXIDE 50%	4	Liters(L)	04-Mar-19
0001514778	1310-73-2	SODIUM HYDROXIDE 50%	4	Liters(L)	04-Mar-19
0001514775	1310-73-2	SODIUM HYDROXIDE 50%	4	Liters(L)	04-Mar-19
0001514774	1310-73-2	SODIUM HYDROXIDE 50%	4	Liters(L)	04-Mar-19
0001514770	1310-73-2	SODIUM HYDROXIDE 50%	4	Liters(L)	04-Mar-19
0001514772	1310-73-2	SODIUM HYDROXIDE 50%	4	Liters(L)	04-Mar-19
0001514769	1310-73-2	SODIUM HYDROXIDE 50%	4	Liters(L)	04-Mar-19
0001514779	1310-73-2	SODIUM HYDROXIDE 50%	4	Liters(L)	04-Mar-19
0001514773	1310-73-2	SODIUM HYDROXIDE 50%	4	Liters(L)	04-Mar-19
0001514781	1310-73-2	SODIUM HYDROXIDE 50%	4	Liters(L)	04-Mar-19
0001514783	1310-73-2	SODIUM HYDROXIDE 50%	4	Liters(L)	04-Mar-19
0001514782	1310-73-2	SODIUM HYDROXIDE 50%	4	Liters(L)	04-Mar-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001514780	1310-73-2	SODIUM HYDROXIDE 50%	4	Liters(L)	04-Mar-19
0001383235	756-79-6	DIMETHYL METHYLPHOSPHONATE	3	Kilograms(KG)	04-Mar-19
0001514784	50-81-7	L-ASCORBIC ACID	500	Gram(GM)	04-Mar-19
0001517356	7697-37-2	NITRIC ACID TRACEMETAL	500	Milliliter(ML)	04-Mar-19
0001517362	7697-37-2	NITRIC ACID TRACEMETAL	500	Milliliter(ML)	04-Mar-19
0001517361	7697-37-2	NITRIC ACID TRACEMETAL	500	Milliliter(ML)	04-Mar-19
0001517357	7697-37-2	NITRIC ACID TRACEMETAL	500	Milliliter(ML)	04-Mar-19
0001517358	7697-37-2	NITRIC ACID TRACEMETAL	500	Milliliter(ML)	04-Mar-19
0001517359	7697-37-2	NITRIC ACID TRACEMETAL	500	Milliliter(ML)	04-Mar-19
0001517369	7697-37-2	NITRIC ACID TRACEMETAL	500	Milliliter(ML)	04-Mar-19
0001517371	7697-37-2	NITRIC ACID TRACEMETAL	500	Milliliter(ML)	04-Mar-19
0001517370	7697-37-2	NITRIC ACID TRACEMETAL	500	Milliliter(ML)	04-Mar-19
0001517367	7697-37-2	NITRIC ACID TRACEMETAL	500	Milliliter(ML)	04-Mar-19
0001517360	7697-37-2	NITRIC ACID TRACEMETAL	500	Milliliter(ML)	04-Mar-19
0001517363	7697-37-2	NITRIC ACID TRACEMETAL	500	Milliliter(ML)	04-Mar-19
0001517364	7697-37-2	NITRIC ACID TRACEMETAL	500	Milliliter(ML)	04-Mar-19
0001517365	7697-37-2	NITRIC ACID TRACEMETAL	500	Milliliter(ML)	04-Mar-19
0001517366	7697-37-2	NITRIC ACID TRACEMETAL	500	Milliliter(ML)	04-Mar-19
0001517368	7697-37-2	NITRIC ACID TRACEMETAL	500	Milliliter(ML)	04-Mar-19
0001594585	-	RNASE ALERT LAB TEST KIT - 10X RNASE ALERT	100	Milliliter(ML)	04-Mar-19
0001594586	-	COLORIMETRIC CYTOTOXICITY ASSAY KIT	46	Milliliter(ML)	04-Mar-19
0001594687	64-17-5	ALCOHOL REAGENT	1	Gallon(GAL)	04-Mar-19
0001594689	64-17-5	ALCOHOL REAGENT	1	Gallon(GAL)	04-Mar-19
0001594688	64-17-5	ALCOHOL REAGENT	1	Gallon(GAL)	04-Mar-19
0001594708	67-64-1	ACETONE FOR HPLC	4	Liters(L)	04-Mar-19
0001594711	21324-40-3	LITHIUM HEXAFLUOROPHOSPHATE 98%	5	Gram(GM)	04-Mar-19
0001594714	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	1	Liters(L)	04-Mar-19
0001594715	-	DROPEXPLUS EXPLOSIVE DETECTION KIT	200	Milliliter(ML)	04-Mar-19
0001594717	-	DROPEXPLUS EXPLOSIVE DETECTION KIT	200	Milliliter(ML)	04-Mar-19
0001594718	-	DROPEXPLUS EXPLOSIVE DETECTION KIT	200	Milliliter(ML)	04-Mar-19
0001594719	-	DROPEXPLUS EXPLOSIVE DETECTION KIT	200	Milliliter(ML)	04-Mar-19
0001594720	-	DROPEXPLUS EXPLOSIVE DETECTION KIT	200	Milliliter(ML)	04-Mar-19
0001594721	-	DROPEXPLUS EXPLOSIVE DETECTION KIT	200	Milliliter(ML)	04-Mar-19
0001594722	-	DROPEXPLUS EXPLOSIVE DETECTION KIT	200	Milliliter(ML)	04-Mar-19
0001594723	-	DROPEXPLUS EXPLOSIVE DETECTION KIT	200	Milliliter(ML)	04-Mar-19
0001594724	-	DROPEXPLUS EXPLOSIVE DETECTION KIT	200	Milliliter(ML)	04-Mar-19
0001594716	-	DROPEXPLUS EXPLOSIVE DETECTION KIT	200	Milliliter(ML)	04-Mar-19
0001594725	-	SILICONE ELASTOMER	1.1	Kilograms(KG)	04-Mar-19
0001594726	-	SILICONE ELASTOMER	1.1	Kilograms(KG)	04-Mar-19
0001594727	66-25-1	HEXANAL (CAPROALDEHYDE HEXALDEHYDE)	250	Milliliter(ML)	04-Mar-19
0001594728	66-25-1	HEXANAL (CAPROALDEHYDE HEXALDEHYDE)	250	Milliliter(ML)	04-Mar-19
0001594729	7664-93-9	SULFURIC ACID	25	Liters(L)	04-Mar-19
0001594732	7664-93-9	SULFURIC ACID	25	Liters(L)	04-Mar-19
0001594730	7664-93-9	SULFURIC ACID	25	Liters(L)	04-Mar-19
0001594733	7664-93-9	SULFURIC ACID	25	Liters(L)	04-Mar-19
0001594731	7664-93-9	SULFURIC ACID	25	Liters(L)	04-Mar-19
0001594734	3344-70-5	1 12-DIBROMODODECANE	25	Gram(GM)	04-Mar-19
0001594735	216299-76-2	1-Ethyl-3-methylimidazolium	1	Gram(GM)	04-Mar-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001594736	2206-26-0	ACETONITRILE-D3	100	Gram(GM)	04-Mar-19
0001594737	-	DIBENZYLAMINE	100	Gram(GM)	04-Mar-19
0001594738	75-31-0	ISOPROPYLAMINE	1	Liters(L)	04-Mar-19
0001517518	110-89-4	PIPERIDINE	100	Milliliter(ML)	04-Mar-19
0001517519	110-89-4	PIPERIDINE	100	Milliliter(ML)	04-Mar-19
V000002472	-	PSX 700 pearl gray resin	1	Gallon(GAL)	04-Mar-19
V00000247C	-	PSX 700 pearl gray resin	1	Gallon(GAL)	04-Mar-19
V00000247B	-	PSX 700 pearl gray resin	1	Gallon(GAL)	04-Mar-19
V00000247A	-	PSX 700 pearl gray resin	1	Gallon(GAL)	04-Mar-19
V000002479	-	PSX 700 pearl gray resin	1	Gallon(GAL)	04-Mar-19
V000002478	-	PSX 700 pearl gray resin	1	Gallon(GAL)	04-Mar-19
V000002477	-	PSX 700 pearl gray resin	1	Gallon(GAL)	04-Mar-19
V000002476	-	PSX 700 pearl gray resin	1	Gallon(GAL)	04-Mar-19
V000002475	-	PSX 700 pearl gray resin	1	Gallon(GAL)	04-Mar-19
V000002469	-	PSX 700 pearl gray resin	1	Gallon(GAL)	04-Mar-19
V000002473	-	PSX 700 pearl gray resin	1	Gallon(GAL)	04-Mar-19
V00000247F	-	PSX 700 pearl gray resin	1	Gallon(GAL)	04-Mar-19
V000002471	-	PSX 700 pearl gray resin	1	Gallon(GAL)	04-Mar-19
V000002470	-	PSX 700 pearl gray resin	1	Gallon(GAL)	04-Mar-19
V00000246F	-	PSX 700 pearl gray resin	1	Gallon(GAL)	04-Mar-19
V00000246E	-	PSX 700 pearl gray resin	1	Gallon(GAL)	04-Mar-19
V00000246D	-	PSX 700 pearl gray resin	1	Gallon(GAL)	04-Mar-19
V00000246C	-	PSX 700 pearl gray resin	1	Gallon(GAL)	04-Mar-19
V00000246B	-	PSX 700 pearl gray resin	1	Gallon(GAL)	04-Mar-19
V00000246A	-	PSX 700 pearl gray resin	1	Gallon(GAL)	04-Mar-19
V000002474	-	PSX 700 pearl gray resin	1	Gallon(GAL)	04-Mar-19
V000002488	-	PSX 700 pearl gray resin	1	Gallon(GAL)	04-Mar-19
V000002490	-	PSX 700 pearl gray resin	1	Gallon(GAL)	04-Mar-19
V00000248F	-	PSX 700 pearl gray resin	1	Gallon(GAL)	04-Mar-19
V00000248E	-	PSX 700 pearl gray resin	1	Gallon(GAL)	04-Mar-19
V00000248D	-	PSX 700 pearl gray resin	1	Gallon(GAL)	04-Mar-19
V00000248C	-	PSX 700 pearl gray resin	1	Gallon(GAL)	04-Mar-19
V00000248B	-	PSX 700 pearl gray resin	1	Gallon(GAL)	04-Mar-19
V00000247D	-	PSX 700 pearl gray resin	1	Gallon(GAL)	04-Mar-19
V000002489	-	PSX 700 pearl gray resin	1	Gallon(GAL)	04-Mar-19
V00000247E	-	PSX 700 pearl gray resin	1	Gallon(GAL)	04-Mar-19
V000002487	-	PSX 700 pearl gray resin	1	Gallon(GAL)	04-Mar-19
V000002486	-	PSX 700 pearl gray resin	1	Gallon(GAL)	04-Mar-19
V000002485	-	PSX 700 pearl gray resin	1	Gallon(GAL)	04-Mar-19
V000002484	-	PSX 700 pearl gray resin	1	Gallon(GAL)	04-Mar-19
V000002483	-	PSX 700 pearl gray resin	1	Gallon(GAL)	04-Mar-19
V000002482	-	PSX 700 pearl gray resin	1	Gallon(GAL)	04-Mar-19
V000002481	-	PSX 700 pearl gray resin	1	Gallon(GAL)	04-Mar-19
V000002480	-	PSX 700 pearl gray resin	1	Gallon(GAL)	04-Mar-19
V00000248A	-	PSX 700 pearl gray resin	1	Gallon(GAL)	04-Mar-19
0001564237	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	05-Mar-19
0001564244	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	05-Mar-19
0001564246	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	05-Mar-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001564247	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	05-Mar-19
0001564248	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	05-Mar-19
0001564254	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	05-Mar-19
0001564249	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	05-Mar-19
0001564250	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	05-Mar-19
0001564251	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	05-Mar-19
0001564253	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	05-Mar-19
0001564252	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	05-Mar-19
0001564255	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	05-Mar-19
0001564245	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	05-Mar-19
0001564256	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	05-Mar-19
0001564257	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	05-Mar-19
0001564259	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	05-Mar-19
0001564243	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	05-Mar-19
0001564242	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	05-Mar-19
0001564241	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	05-Mar-19
0001564240	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	05-Mar-19
0001564258	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	05-Mar-19
0001564238	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	05-Mar-19
0001564239	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	05-Mar-19
0001564260	7782-50-5	CHLORINE	0.454	Kilograms(KG)	05-Mar-19
0001502133	-	Avalon Premium 100% Acrylic Interior Satin W/B	121.6	Ounces(OZ)	05-Mar-19
0001502135	-	Avalon Premium 100% Acrylic Interior Satin W/B	121.6	Ounces(OZ)	05-Mar-19
0001502138	-	Avalon Premium 100% Acrylic Interior Satin W/B	121.6	Ounces(OZ)	05-Mar-19
0001502137	-	Avalon Premium 100% Acrylic Interior Satin W/B	121.6	Ounces(OZ)	05-Mar-19
0001502140	-	Avalon Premium 100% Acrylic Interior Satin W/B	121.6	Ounces(OZ)	05-Mar-19
0001502136	-	Avalon Premium 100% Acrylic Interior Satin W/B	121.6	Ounces(OZ)	05-Mar-19
0001502139	-	Avalon Premium 100% Acrylic Interior Satin W/B	121.6	Ounces(OZ)	05-Mar-19
0001502134	-	Avalon Premium 100% Acrylic Interior Satin W/B	121.6	Ounces(OZ)	05-Mar-19
0001502141	-	Avalon Premium 100% Acrylic Interior Satin W/B	121.6	Ounces(OZ)	05-Mar-19
0001502142	-	Avalon Premium 100% Acrylic Interior Satin W/B	121.6	Ounces(OZ)	05-Mar-19
V000002492	-	Avalon Premium 100% Acrylic Interior Flat W/B	121.6	Ounces(OZ)	05-Mar-19
V000002491	-	Avalon Premium 100% Acrylic Interior Flat W/B	121.6	Ounces(OZ)	05-Mar-19
V000002493	-	Avalon Premium 100% Acrylic Interior Flat W/B	121.6	Ounces(OZ)	05-Mar-19
V000002494	-	Avalon Premium 100% Acrylic Interior Flat W/B	121.6	Ounces(OZ)	05-Mar-19
V000002496	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	05-Mar-19
V000002497	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	05-Mar-19
V000002495	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	05-Mar-19
V00000249F	-	SHEETROCK EASY SAND Lightweight Setting Type	3	Pounds(LB)	05-Mar-19
V0000024A9	-	SHEETROCK EASY SAND Lightweight Setting Type	3	Pounds(LB)	05-Mar-19
V0000024A7	-	SHEETROCK EASY SAND Lightweight Setting Type	3	Pounds(LB)	05-Mar-19
V0000024A6	-	SHEETROCK EASY SAND Lightweight Setting Type	3	Pounds(LB)	05-Mar-19
V0000024A5	-	SHEETROCK EASY SAND Lightweight Setting Type	3	Pounds(LB)	05-Mar-19
V0000024A4	-	SHEETROCK EASY SAND Lightweight Setting Type	3	Pounds(LB)	05-Mar-19
V0000024A3	-	SHEETROCK EASY SAND Lightweight Setting Type	3	Pounds(LB)	05-Mar-19
V0000024A2	-	SHEETROCK EASY SAND Lightweight Setting Type	3	Pounds(LB)	05-Mar-19
V0000024A0	-	SHEETROCK EASY SAND Lightweight Setting Type	3	Pounds(LB)	05-Mar-19
V0000024AD	-	SHEETROCK EASY SAND Lightweight Setting Type	3	Pounds(LB)	05-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V00000249E	-	SHEETROCK EASY SAND Lightweight Setting Type	3	Pounds(LB)	05-Mar-19
V00000249D	-	SHEETROCK EASY SAND Lightweight Setting Type	3	Pounds(LB)	05-Mar-19
V00000249C	-	SHEETROCK EASY SAND Lightweight Setting Type	3	Pounds(LB)	05-Mar-19
V00000249B	-	SHEETROCK EASY SAND Lightweight Setting Type	3	Pounds(LB)	05-Mar-19
V00000249A	-	SHEETROCK EASY SAND Lightweight Setting Type	3	Pounds(LB)	05-Mar-19
V000002499	-	SHEETROCK EASY SAND Lightweight Setting Type	3	Pounds(LB)	05-Mar-19
V000002498	-	SHEETROCK EASY SAND Lightweight Setting Type	3	Pounds(LB)	05-Mar-19
V0000024A1	-	SHEETROCK EASY SAND Lightweight Setting Type	3	Pounds(LB)	05-Mar-19
V0000024B6	-	SHEETROCK EASY SAND Lightweight Setting Type	3	Pounds(LB)	05-Mar-19
V0000024C1	-	SHEETROCK EASY SAND Lightweight Setting Type	3	Pounds(LB)	05-Mar-19
V0000024C0	-	SHEETROCK EASY SAND Lightweight Setting Type	3	Pounds(LB)	05-Mar-19
V0000024BF	-	SHEETROCK EASY SAND Lightweight Setting Type	3	Pounds(LB)	05-Mar-19
V0000024BE	-	SHEETROCK EASY SAND Lightweight Setting Type	3	Pounds(LB)	05-Mar-19
V0000024BD	-	SHEETROCK EASY SAND Lightweight Setting Type	3	Pounds(LB)	05-Mar-19
V0000024BC	-	SHEETROCK EASY SAND Lightweight Setting Type	3	Pounds(LB)	05-Mar-19
V0000024BB	-	SHEETROCK EASY SAND Lightweight Setting Type	3	Pounds(LB)	05-Mar-19
V0000024BA	-	SHEETROCK EASY SAND Lightweight Setting Type	3	Pounds(LB)	05-Mar-19
V0000024B9	-	SHEETROCK EASY SAND Lightweight Setting Type	3	Pounds(LB)	05-Mar-19
V0000024AB	-	SHEETROCK EASY SAND Lightweight Setting Type	3	Pounds(LB)	05-Mar-19
V0000024B7	-	SHEETROCK EASY SAND Lightweight Setting Type	3	Pounds(LB)	05-Mar-19
V0000024AC	-	SHEETROCK EASY SAND Lightweight Setting Type	3	Pounds(LB)	05-Mar-19
V0000024B5	-	SHEETROCK EASY SAND Lightweight Setting Type	3	Pounds(LB)	05-Mar-19
V0000024B4	-	SHEETROCK EASY SAND Lightweight Setting Type	3	Pounds(LB)	05-Mar-19
V0000024B3	-	SHEETROCK EASY SAND Lightweight Setting Type	3	Pounds(LB)	05-Mar-19
V0000024B2	-	SHEETROCK EASY SAND Lightweight Setting Type	3	Pounds(LB)	05-Mar-19
V0000024B1	-	SHEETROCK EASY SAND Lightweight Setting Type	3	Pounds(LB)	05-Mar-19
V0000024B0	-	SHEETROCK EASY SAND Lightweight Setting Type	3	Pounds(LB)	05-Mar-19
V0000024AF	-	SHEETROCK EASY SAND Lightweight Setting Type	3	Pounds(LB)	05-Mar-19
V0000024AE	-	SHEETROCK EASY SAND Lightweight Setting Type	3	Pounds(LB)	05-Mar-19
V0000024A8	-	SHEETROCK EASY SAND Lightweight Setting Type	3	Pounds(LB)	05-Mar-19
V0000024B8	-	SHEETROCK EASY SAND Lightweight Setting Type	3	Pounds(LB)	05-Mar-19
V0000024AA	-	SHEETROCK EASY SAND Lightweight Setting Type	3	Pounds(LB)	05-Mar-19
0001502072	-	Startex Denatured Alcohol	1	Gallon(GAL)	05-Mar-19
0001502073	-	Startex Denatured Alcohol	1	Gallon(GAL)	05-Mar-19
0001502074	-	Startex Denatured Alcohol	1	Gallon(GAL)	05-Mar-19
0001502075	-	Startex Denatured Alcohol	1	Gallon(GAL)	05-Mar-19
0001502076	-	Startex Denatured Alcohol	1	Gallon(GAL)	05-Mar-19
0001502077	-	Startex Lacquer Thinner	1	Gallon(GAL)	05-Mar-19
0001502079	-	Startex Lacquer Thinner	1	Gallon(GAL)	05-Mar-19
0001502081	-	Startex Lacquer Thinner	1	Gallon(GAL)	05-Mar-19
0001502080	-	Startex Lacquer Thinner	1	Gallon(GAL)	05-Mar-19
0001502078	-	Startex Lacquer Thinner	1	Gallon(GAL)	05-Mar-19
0001502066	-	808-5511 COLORTREND D PHTHALO GREEN	1	Liters(L)	05-Mar-19
0001502067	-	808-5511 COLORTREND D PHTHALO GREEN	1	Liters(L)	05-Mar-19
0001502068	-	808-5511 COLORTREND D PHTHALO GREEN	1	Liters(L)	05-Mar-19
0001502069	-	808-5511 COLORTREND D PHTHALO GREEN	1	Liters(L)	05-Mar-19
0001502070	-	808-5511 COLORTREND D PHTHALO GREEN	1	Liters(L)	05-Mar-19
0001502071	-	808-5511 COLORTREND D PHTHALO GREEN	1	Liters(L)	05-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001488116	-	TAPMATIC #1 GOLD CUTTING FLUID	11	Ounces(OZ)	05-Mar-19
0001488124	-	TAPMATIC #1 GOLD CUTTING FLUID	11	Ounces(OZ)	05-Mar-19
0001488125	-	TAPMATIC #1 GOLD CUTTING FLUID	11	Ounces(OZ)	05-Mar-19
0001488117	-	TAPMATIC #1 GOLD CUTTING FLUID	11	Ounces(OZ)	05-Mar-19
0001488123	-	TAPMATIC #1 GOLD CUTTING FLUID	11	Ounces(OZ)	05-Mar-19
0001488122	-	TAPMATIC #1 GOLD CUTTING FLUID	11	Ounces(OZ)	05-Mar-19
0001488127	-	TAPMATIC #1 GOLD CUTTING FLUID	11	Ounces(OZ)	05-Mar-19
0001488121	-	TAPMATIC #1 GOLD CUTTING FLUID	11	Ounces(OZ)	05-Mar-19
0001488120	-	TAPMATIC #1 GOLD CUTTING FLUID	11	Ounces(OZ)	05-Mar-19
0001488119	-	TAPMATIC #1 GOLD CUTTING FLUID	11	Ounces(OZ)	05-Mar-19
0001488118	-	TAPMATIC #1 GOLD CUTTING FLUID	11	Ounces(OZ)	05-Mar-19
0001488126	-	TAPMATIC #1 GOLD CUTTING FLUID	11	Ounces(OZ)	05-Mar-19
0001488151	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488165	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488156	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488188	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488164	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488162	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488161	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488160	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488159	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488166	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488157	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488183	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488155	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488154	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488153	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488152	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488185	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488186	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488174	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488158	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488176	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488173	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488172	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488171	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488170	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488169	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488168	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488184	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488175	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488189	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488177	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488178	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488179	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488180	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488181	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488182	-	KROIL	10	Ounces(OZ)	05-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001488163	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488167	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488190	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488191	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488197	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488196	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488187	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488192	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488193	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488194	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488195	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001488198	-	KROIL	10	Ounces(OZ)	05-Mar-19
0001502082	-	STARTEX PAINT THINNER	1	Gallon(GAL)	05-Mar-19
0001502085	-	STARTEX PAINT THINNER	1	Gallon(GAL)	05-Mar-19
0001502083	-	STARTEX PAINT THINNER	1	Gallon(GAL)	05-Mar-19
0001502084	-	STARTEX PAINT THINNER	1	Gallon(GAL)	05-Mar-19
0001502086	-	STARTEX PAINT THINNER	1	Gallon(GAL)	05-Mar-19
0001502087	-	STARTEX PAINT THINNER	2.5	Gallon(GAL)	05-Mar-19
0001502089	-	STARTEX PAINT THINNER	2.5	Gallon(GAL)	05-Mar-19
0001502090	-	STARTEX PAINT THINNER	2.5	Gallon(GAL)	05-Mar-19
0001502091	-	STARTEX PAINT THINNER	2.5	Gallon(GAL)	05-Mar-19
0001502092	-	STARTEX PAINT THINNER	2.5	Gallon(GAL)	05-Mar-19
0001502088	-	STARTEX PAINT THINNER	2.5	Gallon(GAL)	05-Mar-19
V0000024C2	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	05-Mar-19
V0000024C3	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	05-Mar-19
V0000024C4	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	05-Mar-19
V0000024C5	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	05-Mar-19
V0000024C6	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	05-Mar-19
V0000024C7	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	05-Mar-19
V0000024C8	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	05-Mar-19
0001488075	-	HIT-HY 270	11.11	Ounces(OZ)	05-Mar-19
0001488076	-	HIT-HY 270	11.11	Ounces(OZ)	05-Mar-19
0001488104	-	732 MULTI-PURPOSE SEALANT	10	Ounces(OZ)	05-Mar-19
0001488107	-	732 MULTI-PURPOSE SEALANT	10	Ounces(OZ)	05-Mar-19
0001488105	-	732 MULTI-PURPOSE SEALANT	10	Ounces(OZ)	05-Mar-19
0001488106	-	732 MULTI-PURPOSE SEALANT	10	Ounces(OZ)	05-Mar-19
0001488108	-	732 MULTI-PURPOSE SEALANT	10	Ounces(OZ)	05-Mar-19
0001488109	-	732 MULTI-PURPOSE SEALANT	10	Ounces(OZ)	05-Mar-19
0001488110	-	732 MULTI-PURPOSE SEALANT	10	Ounces(OZ)	05-Mar-19
0001488111	-	732 MULTI-PURPOSE SEALANT	10	Ounces(OZ)	05-Mar-19
0001488112	-	732 MULTI-PURPOSE SEALANT	10	Ounces(OZ)	05-Mar-19
0001488113	-	732 MULTI-PURPOSE SEALANT	10	Ounces(OZ)	05-Mar-19
0001488114	-	732 MULTI-PURPOSE SEALANT	10	Ounces(OZ)	05-Mar-19
0001488115	-	732 MULTI-PURPOSE SEALANT	10	Ounces(OZ)	05-Mar-19
0001487899	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10	Ounces(OZ)	05-Mar-19
0001487910	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10	Ounces(OZ)	05-Mar-19
0001487908	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10	Ounces(OZ)	05-Mar-19
0001487907	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10	Ounces(OZ)	05-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001487906	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10	Ounces(OZ)	05-Mar-19
0001487905	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10	Ounces(OZ)	05-Mar-19
0001487904	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10	Ounces(OZ)	05-Mar-19
0001487903	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10	Ounces(OZ)	05-Mar-19
0001487902	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10	Ounces(OZ)	05-Mar-19
0001487900	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10	Ounces(OZ)	05-Mar-19
0001487901	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10	Ounces(OZ)	05-Mar-19
0001487909	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10	Ounces(OZ)	05-Mar-19
0001488089	-	MISTIC METAL MOVER ALUMICUT CUTTING	1	Pint(PT)	05-Mar-19
0001488090	-	MISTIC METAL MOVER ALUMICUT CUTTING	1	Pint(PT)	05-Mar-19
0001488091	-	MISTIC METAL MOVER ALUMICUT CUTTING	1	Pint(PT)	05-Mar-19
0001488092	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	05-Mar-19
0001488096	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	05-Mar-19
0001488100	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	05-Mar-19
0001488099	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	05-Mar-19
0001488095	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	05-Mar-19
0001488097	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	05-Mar-19
0001488094	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	05-Mar-19
0001488093	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	05-Mar-19
0001488103	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	05-Mar-19
0001488102	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	05-Mar-19
0001488101	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	05-Mar-19
0001488098	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	05-Mar-19
0001459020	-	SCOTCHCAST ELECTRICAL RESIN 281 [PART A]	1	Gallon(GAL)	05-Mar-19
0001459022	-	SCOTCHCAST ELECTRICAL RESIN 281 [PART A]	1	Gallon(GAL)	05-Mar-19
0001459023	-	SCOTCHCAST ELECTRICAL RESIN 281 [PART A]	1	Gallon(GAL)	05-Mar-19
0001459024	-	SCOTCHCAST ELECTRICAL RESIN 281 [PART A]	1	Gallon(GAL)	05-Mar-19
0001459025	-	SCOTCHCAST ELECTRICAL RESIN 281 [PART A]	1	Gallon(GAL)	05-Mar-19
0001459026	-	SCOTCHCAST ELECTRICAL RESIN 281 [PART A]	1	Gallon(GAL)	05-Mar-19
0001459021	-	SCOTCHCAST ELECTRICAL RESIN 281 [PART A]	1	Gallon(GAL)	05-Mar-19
0001488071	-	Torrseal Kit	4.2	Ounces(OZ)	05-Mar-19
0001488074	-	Torrseal Kit	4.2	Ounces(OZ)	05-Mar-19
0001488073	-	Torrseal Kit	4.2	Ounces(OZ)	05-Mar-19
0001488072	-	Torrseal Kit	4.2	Ounces(OZ)	05-Mar-19
0001488079	-	LOCTITE HYSOL 1C EPOXY	4	Ounces(OZ)	05-Mar-19
0001488081	-	LOCTITE HYSOL 1C EPOXY	4	Ounces(OZ)	05-Mar-19
0001488088	-	LOCTITE HYSOL 1C EPOXY	4	Ounces(OZ)	05-Mar-19
0001488087	-	LOCTITE HYSOL 1C EPOXY	4	Ounces(OZ)	05-Mar-19
0001488086	-	LOCTITE HYSOL 1C EPOXY	4	Ounces(OZ)	05-Mar-19
0001488085	-	LOCTITE HYSOL 1C EPOXY	4	Ounces(OZ)	05-Mar-19
0001488084	-	LOCTITE HYSOL 1C EPOXY	4	Ounces(OZ)	05-Mar-19
0001488083	-	LOCTITE HYSOL 1C EPOXY	4	Ounces(OZ)	05-Mar-19
0001488082	-	LOCTITE HYSOL 1C EPOXY	4	Ounces(OZ)	05-Mar-19
0001488080	-	LOCTITE HYSOL 1C EPOXY	4	Ounces(OZ)	05-Mar-19
0001488035	-	Steel Reinforced Epoxy Resin	10	Ounces(OZ)	05-Mar-19
0001488047	-	Steel Reinforced Epoxy Resin	10	Ounces(OZ)	05-Mar-19
0001488048	-	Steel Reinforced Epoxy Resin	10	Ounces(OZ)	05-Mar-19
0001488049	-	Steel Reinforced Epoxy Resin	10	Ounces(OZ)	05-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001488054	-	Steel Reinforced Epoxy Resin	10	Ounces(OZ)	05-Mar-19
0001488053	-	Steel Reinforced Epoxy Resin	10	Ounces(OZ)	05-Mar-19
0001488046	-	Steel Reinforced Epoxy Resin	10	Ounces(OZ)	05-Mar-19
0001488051	-	Steel Reinforced Epoxy Resin	10	Ounces(OZ)	05-Mar-19
0001488040	-	Steel Reinforced Epoxy Resin	10	Ounces(OZ)	05-Mar-19
0001488052	-	Steel Reinforced Epoxy Resin	10	Ounces(OZ)	05-Mar-19
0001488045	-	Steel Reinforced Epoxy Resin	10	Ounces(OZ)	05-Mar-19
0001488044	-	Steel Reinforced Epoxy Resin	10	Ounces(OZ)	05-Mar-19
0001488043	-	Steel Reinforced Epoxy Resin	10	Ounces(OZ)	05-Mar-19
0001488050	-	Steel Reinforced Epoxy Resin	10	Ounces(OZ)	05-Mar-19
0001488041	-	Steel Reinforced Epoxy Resin	10	Ounces(OZ)	05-Mar-19
0001488039	-	Steel Reinforced Epoxy Resin	10	Ounces(OZ)	05-Mar-19
0001488038	-	Steel Reinforced Epoxy Resin	10	Ounces(OZ)	05-Mar-19
0001488037	-	Steel Reinforced Epoxy Resin	10	Ounces(OZ)	05-Mar-19
0001488036	-	Steel Reinforced Epoxy Resin	10	Ounces(OZ)	05-Mar-19
0001488042	-	Steel Reinforced Epoxy Resin	10	Ounces(OZ)	05-Mar-19
0001488055	-	5-MINUTE EPOXY	1	Ounces(OZ)	05-Mar-19
0001488056	-	5-MINUTE EPOXY	1	Ounces(OZ)	05-Mar-19
0001488059	-	5-MINUTE EPOXY	1	Ounces(OZ)	05-Mar-19
0001488060	-	5-MINUTE EPOXY	1	Ounces(OZ)	05-Mar-19
0001488061	-	5-MINUTE EPOXY	1	Ounces(OZ)	05-Mar-19
0001488062	-	5-MINUTE EPOXY	1	Ounces(OZ)	05-Mar-19
0001488063	-	5-MINUTE EPOXY	1	Ounces(OZ)	05-Mar-19
0001488064	-	5-MINUTE EPOXY	1	Ounces(OZ)	05-Mar-19
0001488065	-	5-MINUTE EPOXY	1	Ounces(OZ)	05-Mar-19
0001488066	-	5-MINUTE EPOXY	1	Ounces(OZ)	05-Mar-19
0001488067	-	5-MINUTE EPOXY	1	Ounces(OZ)	05-Mar-19
0001488068	-	5-MINUTE EPOXY	1	Ounces(OZ)	05-Mar-19
0001488069	-	5-MINUTE EPOXY	1	Ounces(OZ)	05-Mar-19
0001488070	-	5-MINUTE EPOXY	1	Ounces(OZ)	05-Mar-19
0001488057	-	5-MINUTE EPOXY	1	Ounces(OZ)	05-Mar-19
0001488058	-	5-MINUTE EPOXY	1	Ounces(OZ)	05-Mar-19
0001487846	-	GORILLA GLUE	0.85	Ounces(OZ)	05-Mar-19
0001487847	-	GORILLA GLUE	0.85	Ounces(OZ)	05-Mar-19
0001487848	-	GORILLA GLUE	0.85	Ounces(OZ)	05-Mar-19
0001487849	-	GORILLA GLUE	0.85	Ounces(OZ)	05-Mar-19
0001487850	-	GORILLA GLUE	0.85	Ounces(OZ)	05-Mar-19
0001487911	-	FS-One Max	10.1	Ounces(OZ)	05-Mar-19
0001487930	-	FS-One Max	10.1	Ounces(OZ)	05-Mar-19
0001487932	-	FS-One Max	10.1	Ounces(OZ)	05-Mar-19
0001487923	-	FS-One Max	10.1	Ounces(OZ)	05-Mar-19
0001487924	-	FS-One Max	10.1	Ounces(OZ)	05-Mar-19
0001487925	-	FS-One Max	10.1	Ounces(OZ)	05-Mar-19
0001487926	-	FS-One Max	10.1	Ounces(OZ)	05-Mar-19
0001487927	-	FS-One Max	10.1	Ounces(OZ)	05-Mar-19
0001487933	-	FS-One Max	10.1	Ounces(OZ)	05-Mar-19
0001487929	-	FS-One Max	10.1	Ounces(OZ)	05-Mar-19
0001487922	-	FS-One Max	10.1	Ounces(OZ)	05-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001487931	-	FS-One Max	10.1	Ounces(OZ)	05-Mar-19
0001487928	-	FS-One Max	10.1	Ounces(OZ)	05-Mar-19
0001487912	-	FS-One Max	10.1	Ounces(OZ)	05-Mar-19
0001487934	-	FS-One Max	10.1	Ounces(OZ)	05-Mar-19
0001487913	-	FS-One Max	10.1	Ounces(OZ)	05-Mar-19
0001487914	-	FS-One Max	10.1	Ounces(OZ)	05-Mar-19
0001487915	-	FS-One Max	10.1	Ounces(OZ)	05-Mar-19
0001487916	-	FS-One Max	10.1	Ounces(OZ)	05-Mar-19
0001487917	-	FS-One Max	10.1	Ounces(OZ)	05-Mar-19
0001487918	-	FS-One Max	10.1	Ounces(OZ)	05-Mar-19
0001487919	-	FS-One Max	10.1	Ounces(OZ)	05-Mar-19
0001487920	-	FS-One Max	10.1	Ounces(OZ)	05-Mar-19
0001487921	-	FS-One Max	10.1	Ounces(OZ)	05-Mar-19
0001459027	-	SCOTCHCAST ELECTRICAL RESIN 281 [PART B]	1	Gallon(GAL)	05-Mar-19
0001459031	-	SCOTCHCAST ELECTRICAL RESIN 281 [PART B]	1	Gallon(GAL)	05-Mar-19
0001459028	-	SCOTCHCAST ELECTRICAL RESIN 281 [PART B]	1	Gallon(GAL)	05-Mar-19
0001459030	-	SCOTCHCAST ELECTRICAL RESIN 281 [PART B]	1	Gallon(GAL)	05-Mar-19
0001459032	-	SCOTCHCAST ELECTRICAL RESIN 281 [PART B]	1	Gallon(GAL)	05-Mar-19
0001459029	-	SCOTCHCAST ELECTRICAL RESIN 281 [PART B]	1	Gallon(GAL)	05-Mar-19
0001459033	-	SCOTCHCAST ELECTRICAL RESIN 281 [PART B]	1	Gallon(GAL)	05-Mar-19
0001487841	-	Amplex Diamond Compound Type W522C	5	Gram(GM)	05-Mar-19
0001487845	-	Amplex Diamond Compound Type W522C	5	Gram(GM)	05-Mar-19
0001487842	-	Amplex Diamond Compound Type W522C	5	Gram(GM)	05-Mar-19
0001487843	-	Amplex Diamond Compound Type W522C	5	Gram(GM)	05-Mar-19
0001487844	-	Amplex Diamond Compound Type W522C	5	Gram(GM)	05-Mar-19
0001487836	-	POLISHING COMPOUND	5	Gram(GM)	05-Mar-19
0001487839	-	POLISHING COMPOUND	5	Gram(GM)	05-Mar-19
0001487838	-	POLISHING COMPOUND	5	Gram(GM)	05-Mar-19
0001487837	-	POLISHING COMPOUND	5	Gram(GM)	05-Mar-19
0001488797	-	Amplex Diamond Compound Type W522C	5	Gram(GM)	05-Mar-19
0001488798	-	Amplex Diamond Compound Type W522C	5	Gram(GM)	05-Mar-19
0001487831	-	POLISHING COMPOUND	5	Gram(GM)	05-Mar-19
0001487834	-	POLISHING COMPOUND	5	Gram(GM)	05-Mar-19
0001487833	-	POLISHING COMPOUND	5	Gram(GM)	05-Mar-19
0001487835	-	POLISHING COMPOUND	5	Gram(GM)	05-Mar-19
0001487832	-	POLISHING COMPOUND	5	Gram(GM)	05-Mar-19
0001488782	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	05-Mar-19
0001488788	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	05-Mar-19
0001488783	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	05-Mar-19
0001488784	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	05-Mar-19
0001488785	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	05-Mar-19
0001488787	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	05-Mar-19
0001488789	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	05-Mar-19
0001488786	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	05-Mar-19
0001487819	-	WD-40 SMART STRAW	11	Ounces(OZ)	05-Mar-19
0001487824	-	WD-40 SMART STRAW	11	Ounces(OZ)	05-Mar-19
0001487830	-	WD-40 SMART STRAW	11	Ounces(OZ)	05-Mar-19
0001487829	-	WD-40 SMART STRAW	11	Ounces(OZ)	05-Mar-19

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001487820	-	WD-40 SMART STRAW	11	Ounces(OZ)	05-Mar-19
0001487821	-	WD-40 SMART STRAW	11	Ounces(OZ)	05-Mar-19
0001487822	-	WD-40 SMART STRAW	11	Ounces(OZ)	05-Mar-19
0001487828	-	WD-40 SMART STRAW	11	Ounces(OZ)	05-Mar-19
0001487823	-	WD-40 SMART STRAW	11	Ounces(OZ)	05-Mar-19
0001487827	-	WD-40 SMART STRAW	11	Ounces(OZ)	05-Mar-19
0001487825	-	WD-40 SMART STRAW	11	Ounces(OZ)	05-Mar-19
0001487826	-	WD-40 SMART STRAW	11	Ounces(OZ)	05-Mar-19
0001516010	78-67-1	2 2'-AZOBISISOBUTYRONITRILE	25	Gram(GM)	05-Mar-19
0001516011	7664-41-7	AMMONIA	100	Milliliter(ML)	05-Mar-19
0001517353	7440-54-2	GADOLINIUM	50	Gram(GM)	05-Mar-19
0001517354	10424-65-4	TETRAMETHYLAMMONIUM HYDROXIDE	25	Gram(GM)	05-Mar-19
0001517355	504-63-2	1 3-PROPANEDIOL	500	Gram(GM)	05-Mar-19
0001517372	5343-92-0	1 2-Pentanediol	250	Milliliter(ML)	05-Mar-19
0001517373	5343-92-0	1 2-Pentanediol	250	Milliliter(ML)	05-Mar-19
0001517374	584-03-2	1 2-BUTANEDIOL	250	Gram(GM)	05-Mar-19
0001517375	584-03-2	1 2-BUTANEDIOL	250	Gram(GM)	05-Mar-19
0001517376	67-63-0	ISOPROPYL ALCOHOL	1	Liters(L)	05-Mar-19
0001517377	67-63-0	ISOPROPYL ALCOHOL	1	Liters(L)	05-Mar-19
0001517378	7664-93-9	SULFURIC ACID	2.5	Liters(L)	05-Mar-19
0001517379	7664-93-9	SULFURIC ACID	2.5	Liters(L)	05-Mar-19
0001594590	7664-93-9	SULFURIC ACID SOLUTION 10% V/V	465	Pounds(LB)	05-Mar-19
0001594591	7664-93-9	SULFURIC ACID SOLUTION 10% V/V	465	Pounds(LB)	05-Mar-19
0001594739	-	MOLDEX Mold and Mildew Remover	32	Ounces(OZ)	05-Mar-19
0001594741	-	MOLDEX Mold and Mildew Remover	32	Ounces(OZ)	05-Mar-19
0001594740	-	MOLDEX Mold and Mildew Remover	32	Ounces(OZ)	05-Mar-19
0001594742	-	ZEOCIN	1	Gram(GM)	05-Mar-19
0001594743	-	SOLDER PASTE	250	Gram(GM)	05-Mar-19
0001594747	-	SOLDER PASTE	250	Gram(GM)	05-Mar-19
0001594746	-	SOLDER PASTE	250	Gram(GM)	05-Mar-19
0001594745	-	SOLDER PASTE	250	Gram(GM)	05-Mar-19
0001594744	-	SOLDER PASTE	250	Gram(GM)	05-Mar-19
0001594748	-	SOLDER PASTE	250	Gram(GM)	05-Mar-19
0001594749	15170-57-7	PLATINUM(II) ACETYLACETONATE	1	Gram(GM)	05-Mar-19
0001594750	-	Alphaform MF	1	Pounds(LB)	05-Mar-19
0001594751	-	Alphaform MF	1	Pounds(LB)	05-Mar-19
0001594752	4101-68-2	1 10-DIBROMODECANE	100	Gram(GM)	05-Mar-19
0001594753	4101-68-2	1 10-DIBROMODECANE	100	Gram(GM)	05-Mar-19
0001594754	4101-68-2	1 10-DIBROMODECANE	100	Gram(GM)	05-Mar-19
0001594755	4687-94-9	Bisphenol A glycerolate (1 glycerol/phenol)	250	Milliliter(ML)	05-Mar-19
0001594756	162881-26-7	Phenylbis(2 4 6-trimethylbenzoyl)phosphine	50	Gram(GM)	05-Mar-19
0001594757	16674-78-5	MAGNESIUM ACETATE TETRAHYDRATE	25	Gram(GM)	05-Mar-19
0001594759	75-05-8	ACETONITRILE ANHYDROUS	1	Liters(L)	05-Mar-19
0001594760	110-54-3	HEXANE (HEXANE ANHYDROUS)	1	Liters(L)	05-Mar-19
0001594761	110-54-3	HEXANE (HEXANE ANHYDROUS)	1	Liters(L)	05-Mar-19
0001573168	-	Blaw-Kote	5	Gallon(GAL)	05-Mar-19
0001573169	-	Blaw-Kote	5	Gallon(GAL)	05-Mar-19
0001331293	-	TW25B NGLI Grade-1 Light Grease Lubricant	4	Ounces(OZ)	05-Mar-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001331305	-	TW25B NGLI Grade-1 Light Grease Lubricant	4	Ounces(OZ)	05-Mar-19
0001331306	-	TW25B NGLI Grade-1 Light Grease Lubricant	4	Ounces(OZ)	05-Mar-19
0001331294	-	TW25B NGLI Grade-1 Light Grease Lubricant	4	Ounces(OZ)	05-Mar-19
0001331309	-	TW25B NGLI Grade-1 Light Grease Lubricant	4	Ounces(OZ)	05-Mar-19
0001331303	-	TW25B NGLI Grade-1 Light Grease Lubricant	4	Ounces(OZ)	05-Mar-19
0001331307	-	TW25B NGLI Grade-1 Light Grease Lubricant	4	Ounces(OZ)	05-Mar-19
0001331304	-	TW25B NGLI Grade-1 Light Grease Lubricant	4	Ounces(OZ)	05-Mar-19
0001331302	-	TW25B NGLI Grade-1 Light Grease Lubricant	4	Ounces(OZ)	05-Mar-19
0001331301	-	TW25B NGLI Grade-1 Light Grease Lubricant	4	Ounces(OZ)	05-Mar-19
0001331300	-	TW25B NGLI Grade-1 Light Grease Lubricant	4	Ounces(OZ)	05-Mar-19
0001331299	-	TW25B NGLI Grade-1 Light Grease Lubricant	4	Ounces(OZ)	05-Mar-19
0001331298	-	TW25B NGLI Grade-1 Light Grease Lubricant	4	Ounces(OZ)	05-Mar-19
0001331297	-	TW25B NGLI Grade-1 Light Grease Lubricant	4	Ounces(OZ)	05-Mar-19
0001331296	-	TW25B NGLI Grade-1 Light Grease Lubricant	4	Ounces(OZ)	05-Mar-19
0001331295	-	TW25B NGLI Grade-1 Light Grease Lubricant	4	Ounces(OZ)	05-Mar-19
0001331308	-	TW25B NGLI Grade-1 Light Grease Lubricant	4	Ounces(OZ)	05-Mar-19
0001331317	-	TW25B NGLI Grade-1 Light Grease Lubricant	4	Ounces(OZ)	05-Mar-19
0001331325	-	TW25B NGLI Grade-1 Light Grease Lubricant	4	Ounces(OZ)	05-Mar-19
0001331326	-	TW25B NGLI Grade-1 Light Grease Lubricant	4	Ounces(OZ)	05-Mar-19
0001502012	-	SHEETROCK Brand PLUS 3 Lightweight All	4.5	Gallon(GAL)	06-Mar-19
0001502014	-	SHEETROCK Brand PLUS 3 Lightweight All	4.5	Gallon(GAL)	06-Mar-19
0001502016	-	SHEETROCK Brand PLUS 3 Lightweight All	4.5	Gallon(GAL)	06-Mar-19
0001502015	-	SHEETROCK Brand PLUS 3 Lightweight All	4.5	Gallon(GAL)	06-Mar-19
0001502013	-	SHEETROCK Brand PLUS 3 Lightweight All	4.5	Gallon(GAL)	06-Mar-19
V0000024CF	-	Permacryl Ext Latex Flat W/B	3.6	Liters(L)	06-Mar-19
V0000024CE	-	Permacryl Ext Latex Flat W/B	3.6	Liters(L)	06-Mar-19
V0000024D0	-	Permacryl Ext Latex Flat W/B	3.6	Liters(L)	06-Mar-19
V0000024CD	-	Permacryl Ext Latex Flat W/B	3.6	Liters(L)	06-Mar-19
0001502432	-	CONCRETE MIX	60	Pounds(LB)	06-Mar-19
0001502443	-	CONCRETE MIX	60	Pounds(LB)	06-Mar-19
0001502445	-	CONCRETE MIX	60	Pounds(LB)	06-Mar-19
0001502442	-	CONCRETE MIX	60	Pounds(LB)	06-Mar-19
0001502438	-	CONCRETE MIX	60	Pounds(LB)	06-Mar-19
0001502441	-	CONCRETE MIX	60	Pounds(LB)	06-Mar-19
0001502446	-	CONCRETE MIX	60	Pounds(LB)	06-Mar-19
0001502440	-	CONCRETE MIX	60	Pounds(LB)	06-Mar-19
0001502433	-	CONCRETE MIX	60	Pounds(LB)	06-Mar-19
0001502434	-	CONCRETE MIX	60	Pounds(LB)	06-Mar-19
0001502435	-	CONCRETE MIX	60	Pounds(LB)	06-Mar-19
0001502436	-	CONCRETE MIX	60	Pounds(LB)	06-Mar-19
0001502437	-	CONCRETE MIX	60	Pounds(LB)	06-Mar-19
0001502439	-	CONCRETE MIX	60	Pounds(LB)	06-Mar-19
0001502444	-	CONCRETE MIX	60	Pounds(LB)	06-Mar-19
0001502034	-	PSX 700 pearl gray resin	0.77	Gallon(GAL)	07-Mar-19
0001502037	-	PSX 700 pearl gray resin	0.77	Gallon(GAL)	07-Mar-19
0001502038	-	PSX 700 pearl gray resin	0.77	Gallon(GAL)	07-Mar-19
0001502036	-	PSX 700 pearl gray resin	0.77	Gallon(GAL)	07-Mar-19
0001502041	-	PSX 700 pearl gray resin	0.77	Gallon(GAL)	07-Mar-19

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001502039	-	PSX 700 pearl gray resin	0.77	Gallon(GAL)	07-Mar-19
0001502040	-	PSX 700 pearl gray resin	0.77	Gallon(GAL)	07-Mar-19
0001502035	-	PSX 700 pearl gray resin	0.77	Gallon(GAL)	07-Mar-19
V0000024E1	-	Avalon Premium 100% Acrylic Interior Flat M/B	3.6	Liters(L)	07-Mar-19
V0000024E2	-	Avalon Premium 100% Acrylic Interior Flat M/B	3.6	Liters(L)	07-Mar-19
V0000024E3	-	Avalon Premium 100% Acrylic Interior Flat N/B	3.4	Liters(L)	07-Mar-19
V0000024E4	-	Avalon Premium 100% Acrylic Interior Flat N/B	3.4	Liters(L)	07-Mar-19
V0000024E5	-	Avalon Premium 100% Acrylic Interior Flat N/B	3.4	Liters(L)	07-Mar-19
V0000024E6	-	Avalon Premium 100% Acrylic Interior Flat N/B	3.4	Liters(L)	07-Mar-19
V0000024E9	-	Permacryl Ext Latex Semi-Gloss N/B	3.4	Liters(L)	07-Mar-19
V0000024E8	-	Permacryl Ext Latex Semi-Gloss N/B	3.4	Liters(L)	07-Mar-19
V0000024E7	-	Permacryl Ext Latex Semi-Gloss N/B	3.4	Liters(L)	07-Mar-19
V0000024EA	-	Permacryl Ext Latex Semi-Gloss N/B	3.4	Liters(L)	07-Mar-19
0001502030	-	PERMACRYL EXTERIOR SEMI-GLOSS WHITE BASE	3.6	Liters(L)	07-Mar-19
0001502031	-	PERMACRYL EXTERIOR SEMI-GLOSS WHITE BASE	3.6	Liters(L)	07-Mar-19
0001502032	-	PERMACRYL EXTERIOR SEMI-GLOSS WHITE BASE	3.6	Liters(L)	07-Mar-19
0001502033	-	PERMACRYL EXTERIOR SEMI-GLOSS WHITE BASE	3.6	Liters(L)	07-Mar-19
V0000024EB	-	PSX 700 pearl gray resin	0.8	Gallon(GAL)	07-Mar-19
V0000024EC	-	PSX 700 pearl gray resin	0.8	Gallon(GAL)	07-Mar-19
V0000024ED	-	PSX 700 pearl gray resin	0.8	Gallon(GAL)	07-Mar-19
V0000024EE	-	PSX 700 pearl gray resin	0.8	Gallon(GAL)	07-Mar-19
V0000024EF	-	PSX 700 pearl gray resin	0.8	Gallon(GAL)	07-Mar-19
0001502143	-	Startex Denatured Alcohol	1	Gallon(GAL)	07-Mar-19
0001502146	-	Startex Denatured Alcohol	1	Gallon(GAL)	07-Mar-19
0001502145	-	Startex Denatured Alcohol	1	Gallon(GAL)	07-Mar-19
0001502148	-	Startex Denatured Alcohol	1	Gallon(GAL)	07-Mar-19
0001502149	-	Startex Denatured Alcohol	1	Gallon(GAL)	07-Mar-19
0001502144	-	Startex Denatured Alcohol	1	Gallon(GAL)	07-Mar-19
0001502150	-	Startex Denatured Alcohol	1	Gallon(GAL)	07-Mar-19
0001502147	-	Startex Denatured Alcohol	1	Gallon(GAL)	07-Mar-19
0001384864	-	NIKAL PURE NICKEL ANTI-SEIZE LUBRICANT	1	Pounds(LB)	07-Mar-19
0001384865	-	NIKAL PURE NICKEL ANTI-SEIZE LUBRICANT	1	Pounds(LB)	07-Mar-19
0001384866	-	NIKAL PURE NICKEL ANTI-SEIZE LUBRICANT	1	Pounds(LB)	07-Mar-19
0001564261	-	HYDROGEN 201PPM IN NITROGEN	51	Cubic Feet(CF)	07-Mar-19
0001564262	-	HYDROGEN 201PPM IN NITROGEN	51	Cubic Feet(CF)	07-Mar-19
0001564263	74-98-6	PROPANE	50	Cubic Feet(CF)	07-Mar-19
0001564274	74-98-6	PROPANE	50	Cubic Feet(CF)	07-Mar-19
0001564279	74-98-6	PROPANE	50	Cubic Feet(CF)	07-Mar-19
0001564278	74-98-6	PROPANE	50	Cubic Feet(CF)	07-Mar-19
0001564270	74-98-6	PROPANE	50	Cubic Feet(CF)	07-Mar-19
0001564264	74-98-6	PROPANE	50	Cubic Feet(CF)	07-Mar-19
0001564275	74-98-6	PROPANE	50	Cubic Feet(CF)	07-Mar-19
0001564265	74-98-6	PROPANE	50	Cubic Feet(CF)	07-Mar-19
0001564273	74-98-6	PROPANE	50	Cubic Feet(CF)	07-Mar-19
0001564266	74-98-6	PROPANE	50	Cubic Feet(CF)	07-Mar-19
0001564267	74-98-6	PROPANE	50	Cubic Feet(CF)	07-Mar-19
0001564272	74-98-6	PROPANE	50	Cubic Feet(CF)	07-Mar-19
0001564268	74-98-6	PROPANE	50	Cubic Feet(CF)	07-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001564269	74-98-6	PROPANE	50	Cubic Feet(CF)	07-Mar-19
0001564271	74-98-6	PROPANE	50	Cubic Feet(CF)	07-Mar-19
0001564277	74-98-6	PROPANE	50	Cubic Feet(CF)	07-Mar-19
0001564276	74-98-6	PROPANE	50	Cubic Feet(CF)	07-Mar-19
0001564280	74-98-6	PROPANE	25	Gallon(GAL)	07-Mar-19
0001564281	74-98-6	PROPANE	25	Gallon(GAL)	07-Mar-19
0001564282	74-98-6	PROPANE	25	Gallon(GAL)	07-Mar-19
0001564283	74-86-2	ACETYLENE STABILIZED	10	Cubic Feet(CF)	07-Mar-19
0001564286	74-86-2	ACETYLENE STABILIZED	10	Cubic Feet(CF)	07-Mar-19
0001564287	74-86-2	ACETYLENE STABILIZED	10	Cubic Feet(CF)	07-Mar-19
0001564288	74-86-2	ACETYLENE STABILIZED	10	Cubic Feet(CF)	07-Mar-19
0001564284	74-86-2	ACETYLENE STABILIZED	10	Cubic Feet(CF)	07-Mar-19
0001564285	74-86-2	ACETYLENE STABILIZED	10	Cubic Feet(CF)	07-Mar-19
0001564289	-	CARBON MONOXIDE 50PPM IN HYDROGEN	220	Cubic Feet(CF)	07-Mar-19
0001564290	-	CARBON MONOXIDE 50PPM IN HYDROGEN	220	Cubic Feet(CF)	07-Mar-19
0001564291	-	Nitrogen UHP	220	Cubic Feet(CF)	07-Mar-19
0001564302	-	Nitrogen UHP	220	Cubic Feet(CF)	07-Mar-19
0001564298	-	Nitrogen UHP	220	Cubic Feet(CF)	07-Mar-19
0001564299	-	Nitrogen UHP	220	Cubic Feet(CF)	07-Mar-19
0001564294	-	Nitrogen UHP	220	Cubic Feet(CF)	07-Mar-19
0001564305	-	Nitrogen UHP	220	Cubic Feet(CF)	07-Mar-19
0001564297	-	Nitrogen UHP	220	Cubic Feet(CF)	07-Mar-19
0001564304	-	Nitrogen UHP	220	Cubic Feet(CF)	07-Mar-19
0001564303	-	Nitrogen UHP	220	Cubic Feet(CF)	07-Mar-19
0001564300	-	Nitrogen UHP	220	Cubic Feet(CF)	07-Mar-19
0001564301	-	Nitrogen UHP	220	Cubic Feet(CF)	07-Mar-19
0001564295	-	Nitrogen UHP	220	Cubic Feet(CF)	07-Mar-19
0001564292	-	Nitrogen UHP	220	Cubic Feet(CF)	07-Mar-19
0001564293	-	Nitrogen UHP	220	Cubic Feet(CF)	07-Mar-19
0001564296	-	Nitrogen UHP	220	Cubic Feet(CF)	07-Mar-19
0001564306	7440-59-7	HELIUM	220	Cubic Feet(CF)	07-Mar-19
0001564317	7440-59-7	HELIUM	220	Cubic Feet(CF)	07-Mar-19
0001564310	7440-59-7	HELIUM	220	Cubic Feet(CF)	07-Mar-19
0001564307	7440-59-7	HELIUM	220	Cubic Feet(CF)	07-Mar-19
0001564308	7440-59-7	HELIUM	220	Cubic Feet(CF)	07-Mar-19
0001564309	7440-59-7	HELIUM	220	Cubic Feet(CF)	07-Mar-19
0001564311	7440-59-7	HELIUM	220	Cubic Feet(CF)	07-Mar-19
0001564312	7440-59-7	HELIUM	220	Cubic Feet(CF)	07-Mar-19
0001564313	7440-59-7	HELIUM	220	Cubic Feet(CF)	07-Mar-19
0001564314	7440-59-7	HELIUM	220	Cubic Feet(CF)	07-Mar-19
0001564316	7440-59-7	HELIUM	220	Cubic Feet(CF)	07-Mar-19
0001564315	7440-59-7	HELIUM	220	Cubic Feet(CF)	07-Mar-19
0001564318	7440-59-7	Helium UHP	220	Cubic Feet(CF)	07-Mar-19
0001564328	7440-59-7	Helium UHP	220	Cubic Feet(CF)	07-Mar-19
0001564329	7440-59-7	Helium UHP	220	Cubic Feet(CF)	07-Mar-19
0001564327	7440-59-7	Helium UHP	220	Cubic Feet(CF)	07-Mar-19
0001564326	7440-59-7	Helium UHP	220	Cubic Feet(CF)	07-Mar-19
0001564325	7440-59-7	Helium UHP	220	Cubic Feet(CF)	07-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001564324	7440-59-7	Helium UHP	220	Cubic Feet(CF)	07-Mar-19
0001564323	7440-59-7	Helium UHP	220	Cubic Feet(CF)	07-Mar-19
0001564322	7440-59-7	Helium UHP	220	Cubic Feet(CF)	07-Mar-19
0001564321	7440-59-7	Helium UHP	220	Cubic Feet(CF)	07-Mar-19
0001564320	7440-59-7	Helium UHP	220	Cubic Feet(CF)	07-Mar-19
0001564319	7440-59-7	Helium UHP	220	Cubic Feet(CF)	07-Mar-19
0001564330	7440-59-7	Helium UHP	220	Cubic Feet(CF)	07-Mar-19
0001564331	-	AIR COMPRESSED	220	Cubic Feet(CF)	07-Mar-19
0001564332	-	AIR COMPRESSED	220	Cubic Feet(CF)	07-Mar-19
0001564333	-	AIR COMPRESSED	220	Cubic Feet(CF)	07-Mar-19
0001564396	-	Nitrogen UHP	220	Cubic Feet(CF)	07-Mar-19
0001564397	-	Nitrogen UHP	220	Cubic Feet(CF)	07-Mar-19
0001564334	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	07-Mar-19
0001564336	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	07-Mar-19
0001564342	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	07-Mar-19
0001564341	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	07-Mar-19
0001564340	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	07-Mar-19
0001564339	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	07-Mar-19
0001564337	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	07-Mar-19
0001564335	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	07-Mar-19
0001564338	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	07-Mar-19
0001564343	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	07-Mar-19
0001564348	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	07-Mar-19
0001564357	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	07-Mar-19
0001564344	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	07-Mar-19
0001564345	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	07-Mar-19
0001564346	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	07-Mar-19
0001564347	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	07-Mar-19
0001564349	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	07-Mar-19
0001564351	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	07-Mar-19
0001564352	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	07-Mar-19
0001564353	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	07-Mar-19
0001564354	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	07-Mar-19
0001564350	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	07-Mar-19
0001564356	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	07-Mar-19
0001564358	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	07-Mar-19
0001564359	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	07-Mar-19
0001564360	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	07-Mar-19
0001564355	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	07-Mar-19
0001564361	-	Oxygen UHP	220	Cubic Feet(CF)	07-Mar-19
0001564368	-	Oxygen UHP	220	Cubic Feet(CF)	07-Mar-19
0001564362	-	Oxygen UHP	220	Cubic Feet(CF)	07-Mar-19
0001564363	-	Oxygen UHP	220	Cubic Feet(CF)	07-Mar-19
0001564369	-	Oxygen UHP	220	Cubic Feet(CF)	07-Mar-19
0001564364	-	Oxygen UHP	220	Cubic Feet(CF)	07-Mar-19
0001564365	-	Oxygen UHP	220	Cubic Feet(CF)	07-Mar-19
0001564366	-	Oxygen UHP	220	Cubic Feet(CF)	07-Mar-19
0001564367	-	Oxygen UHP	220	Cubic Feet(CF)	07-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001564370	7782-44-7	OXYGEN COMPRESSED GAS	220	Cubic Feet(CF)	07-Mar-19
0001564372	7782-44-7	OXYGEN COMPRESSED GAS	220	Cubic Feet(CF)	07-Mar-19
0001564371	7782-44-7	OXYGEN COMPRESSED GAS	220	Cubic Feet(CF)	07-Mar-19
0001564373	-	94% ARGON/BAL. HYDROGEN	220	Cubic Feet(CF)	07-Mar-19
0001564379	-	94% ARGON/BAL. HYDROGEN	220	Cubic Feet(CF)	07-Mar-19
0001564374	-	94% ARGON/BAL. HYDROGEN	220	Cubic Feet(CF)	07-Mar-19
0001564375	-	94% ARGON/BAL. HYDROGEN	220	Cubic Feet(CF)	07-Mar-19
0001564376	-	94% ARGON/BAL. HYDROGEN	220	Cubic Feet(CF)	07-Mar-19
0001564378	-	94% ARGON/BAL. HYDROGEN	220	Cubic Feet(CF)	07-Mar-19
0001564380	-	94% ARGON/BAL. HYDROGEN	220	Cubic Feet(CF)	07-Mar-19
0001564381	-	94% ARGON/BAL. HYDROGEN	220	Cubic Feet(CF)	07-Mar-19
0001564382	-	94% ARGON/BAL. HYDROGEN	220	Cubic Feet(CF)	07-Mar-19
0001564383	-	94% ARGON/BAL. HYDROGEN	220	Cubic Feet(CF)	07-Mar-19
0001564384	-	94% ARGON/BAL. HYDROGEN	220	Cubic Feet(CF)	07-Mar-19
0001564377	-	94% ARGON/BAL. HYDROGEN	220	Cubic Feet(CF)	07-Mar-19
0001564386	-	94% ARGON/BAL. HYDROGEN	220	Cubic Feet(CF)	07-Mar-19
0001564387	-	94% ARGON/BAL. HYDROGEN	220	Cubic Feet(CF)	07-Mar-19
0001564388	-	94% ARGON/BAL. HYDROGEN	220	Cubic Feet(CF)	07-Mar-19
0001564389	-	94% ARGON/BAL. HYDROGEN	220	Cubic Feet(CF)	07-Mar-19
0001564390	-	94% ARGON/BAL. HYDROGEN	220	Cubic Feet(CF)	07-Mar-19
0001564391	-	94% ARGON/BAL. HYDROGEN	220	Cubic Feet(CF)	07-Mar-19
0001564385	-	94% ARGON/BAL. HYDROGEN	220	Cubic Feet(CF)	07-Mar-19
0001564392	-	HYDROGEN CHLORIDE 25 PPM/BAL NITROGEN	58	Liters(L)	07-Mar-19
0001564393	-	HYDROGEN CHLORIDE 25 PPM/BAL NITROGEN	58	Liters(L)	07-Mar-19
0001564394	-	HYDROGEN CHLORIDE 25 PPM/BAL NITROGEN	58	Liters(L)	07-Mar-19
0001564395	-	HYDROGEN CHLORIDE 25 PPM/BAL NITROGEN	58	Liters(L)	07-Mar-19
0001458244	7722-84-1	HYDROGEN PEROXIDE 30% SOLUTION	1	Gallon(GAL)	07-Mar-19
0001458253	7722-84-1	HYDROGEN PEROXIDE 30% SOLUTION	1	Gallon(GAL)	07-Mar-19
0001458262	7722-84-1	HYDROGEN PEROXIDE 30% SOLUTION	1	Gallon(GAL)	07-Mar-19
0001564403	7782-44-7	OXYGEN COMPRESSED GAS	40	Cubic Feet(CF)	08-Mar-19
0001421468	-	STA-LUBE 80-90 GEAR OIL	1	Quarts(QT)	08-Mar-19
0001421475	-	STA-LUBE 80-90 GEAR OIL	1	Quarts(QT)	08-Mar-19
0001421477	-	STA-LUBE 80-90 GEAR OIL	1	Quarts(QT)	08-Mar-19
0001421474	-	STA-LUBE 80-90 GEAR OIL	1	Quarts(QT)	08-Mar-19
0001421473	-	STA-LUBE 80-90 GEAR OIL	1	Quarts(QT)	08-Mar-19
0001421472	-	STA-LUBE 80-90 GEAR OIL	1	Quarts(QT)	08-Mar-19
0001421471	-	STA-LUBE 80-90 GEAR OIL	1	Quarts(QT)	08-Mar-19
0001421470	-	STA-LUBE 80-90 GEAR OIL	1	Quarts(QT)	08-Mar-19
0001421469	-	STA-LUBE 80-90 GEAR OIL	1	Quarts(QT)	08-Mar-19
0001421476	-	STA-LUBE 80-90 GEAR OIL	1	Quarts(QT)	08-Mar-19
0001564405	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	08-Mar-19
0001564399	-	CARBON MONOXIDE IN AIR	3.7	Cubic Feet(CF)	08-Mar-19
0001564400	-	100PPM ISOBUTYLENE IN AIR	3.7	Cubic Feet(CF)	08-Mar-19
0001564401	115-11-7	ISOBUTYLENE	3.7	Cubic Feet(CF)	08-Mar-19
0001564402	-	100PPM ISOBUTYLENE IN AIR	3.7	Cubic Feet(CF)	08-Mar-19
0001564404	74-98-6	PROPANE	570	Pounds(LB)	08-Mar-19
0001564398	-	5% HYDROGNE/95% NITROGEN	220	Cubic Feet(CF)	08-Mar-19
0001594593	-	y-(6-Aminohexyl)-GTP	50	Microliter	11-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001594594	74-88-4	IODOMETHANE	100	Gram(GM)	11-Mar-19
0001594810	10043-35-3	BORIC ACID	50	Gram(GM)	11-Mar-19
0001594811	10043-35-3	BORIC ACID	50	Gram(GM)	11-Mar-19
0001594812	26780-50-7	Resomer RG 653 H Poly(D L-lactide-co-glycolide)	5	Gram(GM)	11-Mar-19
0001594813	26780-50-7	Resomer RG 653 H Poly(D L-lactide-co-glycolide)	5	Gram(GM)	11-Mar-19
0001594814	-	Ru-MACHO	250	Milligram(MG)	11-Mar-19
0001594815	12037-29-5	PRAESODYMIUM(III IV) OXIDE	50	Gram(GM)	11-Mar-19
0000984364	-	WD-40 Specialist Industrial Strength Degreaser	15	Ounces(OZ)	11-Mar-19
0000984365	-	WD-40 Specialist Industrial Strength Degreaser	15	Ounces(OZ)	11-Mar-19
0001594816	12036-44-1	THULIUM OXIDE	5	Gram(GM)	11-Mar-19
0001594817	12032-20-1	LUTETIUM(III) OXIDE	5	Gram(GM)	11-Mar-19
0001594818	1308-96-9	EUROPIUM(III) OXIDE	5	Gram(GM)	11-Mar-19
0001594819	1308-87-8	DYSPROSIUM(III) OXIDE	5	Gram(GM)	11-Mar-19
0001594820	12064-62-9	GADOLINIUM(III) OXIDE	5	Gram(GM)	11-Mar-19
0001594821	26266-58-0	Span 85	250	Milliliter(ML)	11-Mar-19
0001594822	108-85-0	CYCLOHEXYL BROMIDE	100	Gram(GM)	11-Mar-19
0001594823	78-10-4	TETRAETHYL ORTHOSILICATE	25	Milliliter(ML)	11-Mar-19
0001594824	78-10-4	TETRAETHYL ORTHOSILICATE	25	Milliliter(ML)	11-Mar-19
0001594825	99-92-3	4'-AMINOACETOPHENONE	100	Gram(GM)	11-Mar-19
0001594826	68083-19-2	Silicone Resin	1	Pint(PT)	11-Mar-19
0001594827	110-54-3	HEXANE OPTIMA	4	Liters(L)	11-Mar-19
0001594828	14221-01-3	TETRAKIS(TRIPHENYLPHOSPHINE)-PALLADIUM(O)	1	Gram(GM)	11-Mar-19
0001594829	14221-01-3	TETRAKIS(TRIPHENYLPHOSPHINE)-PALLADIUM(O)	1	Gram(GM)	11-Mar-19
0001594830	-	Buffer pH 3.00	500	Milliliter(ML)	11-Mar-19
0001594903	-	Poly-Prep Slides	0.8	Pounds(LB)	11-Mar-19
0001594904	26100-51-6	Polylactic acid	1	Gram(GM)	11-Mar-19
0001594905	24980-41-4	POLYCAPROLACTONE	100	Gram(GM)	11-Mar-19
0001594906	9002-89-5	POLYVINYL ALCOHOL 99-100% HYDROLYZED	25	Gram(GM)	11-Mar-19
0001594907	97-90-5	ETHYLENE DIMETHACRYLATE	5	Milliliter(ML)	11-Mar-19
0001594908	9003-39-8	POLYVINYLPYRROLIDONE	250	Gram(GM)	11-Mar-19
0001594909	-	PTFE RELEASE AGENT DRY LU	14	Ounces(OZ)	11-Mar-19
0001594910	-	PTFE RELEASE AGENT DRY LU	14	Ounces(OZ)	11-Mar-19
0001594911	-	PTFE RELEASE AGENT DRY LU	14	Ounces(OZ)	11-Mar-19
0001594912	-	PTFE RELEASE AGENT DRY LU	14	Ounces(OZ)	11-Mar-19
0001594913	60177-39-1	RESIN AG 1-X4	500	Gram(GM)	11-Mar-19
0001594921	60177-39-1	RESIN AG 1-X4	500	Gram(GM)	11-Mar-19
0001594920	60177-39-1	RESIN AG 1-X4	500	Gram(GM)	11-Mar-19
0001594916	60177-39-1	RESIN AG 1-X4	500	Gram(GM)	11-Mar-19
0001594915	60177-39-1	RESIN AG 1-X4	500	Gram(GM)	11-Mar-19
0001594914	60177-39-1	RESIN AG 1-X4	500	Gram(GM)	11-Mar-19
0001594918	60177-39-1	RESIN AG 1-X4	500	Gram(GM)	11-Mar-19
0001594919	60177-39-1	RESIN AG 1-X4	500	Gram(GM)	11-Mar-19
0001594917	60177-39-1	RESIN AG 1-X4	500	Gram(GM)	11-Mar-19
0001594922	60177-39-1	RESIN AG 1-X4	500	Gram(GM)	11-Mar-19
0001594923	124330-23-0	Alane N N-dimethylethylamine complex solution	100	Milliliter(ML)	11-Mar-19
0001594924	7440-42-8	BORON POWDER	500	Gram(GM)	11-Mar-19
0001594925	67-64-1	ACETONE REAGENT ACS	1	Liters(L)	11-Mar-19
0001594975	-	NIKAL PURE NICKEL ANTI-SEIZE LUBRICANT	8	Ounces(OZ)	11-Mar-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001594978	-	NIKAL PURE NICKEL ANTI-SEIZE LUBRICANT	8	Ounces(OZ)	11-Mar-19
0001594979	-	NIKAL PURE NICKEL ANTI-SEIZE LUBRICANT	8	Ounces(OZ)	11-Mar-19
0001594976	-	NIKAL PURE NICKEL ANTI-SEIZE LUBRICANT	8	Ounces(OZ)	11-Mar-19
0001594977	-	NIKAL PURE NICKEL ANTI-SEIZE LUBRICANT	8	Ounces(OZ)	11-Mar-19
0001594981	-	NIKAL PURE NICKEL ANTI-SEIZE LUBRICANT	8	Ounces(OZ)	11-Mar-19
0001594993	-	NIKAL PURE NICKEL ANTI-SEIZE LUBRICANT	8	Ounces(OZ)	11-Mar-19
0001594992	-	NIKAL PURE NICKEL ANTI-SEIZE LUBRICANT	8	Ounces(OZ)	11-Mar-19
0001594990	-	NIKAL PURE NICKEL ANTI-SEIZE LUBRICANT	8	Ounces(OZ)	11-Mar-19
0001594988	-	NIKAL PURE NICKEL ANTI-SEIZE LUBRICANT	8	Ounces(OZ)	11-Mar-19
0001594987	-	NIKAL PURE NICKEL ANTI-SEIZE LUBRICANT	8	Ounces(OZ)	11-Mar-19
0001594986	-	NIKAL PURE NICKEL ANTI-SEIZE LUBRICANT	8	Ounces(OZ)	11-Mar-19
0001594985	-	NIKAL PURE NICKEL ANTI-SEIZE LUBRICANT	8	Ounces(OZ)	11-Mar-19
0001594984	-	NIKAL PURE NICKEL ANTI-SEIZE LUBRICANT	8	Ounces(OZ)	11-Mar-19
0001594982	-	NIKAL PURE NICKEL ANTI-SEIZE LUBRICANT	8	Ounces(OZ)	11-Mar-19
0001594991	-	NIKAL PURE NICKEL ANTI-SEIZE LUBRICANT	8	Ounces(OZ)	11-Mar-19
0001594980	-	NIKAL PURE NICKEL ANTI-SEIZE LUBRICANT	8	Ounces(OZ)	11-Mar-19
0001594994	-	NIKAL PURE NICKEL ANTI-SEIZE LUBRICANT	8	Ounces(OZ)	11-Mar-19
0001594983	-	NIKAL PURE NICKEL ANTI-SEIZE LUBRICANT	8	Ounces(OZ)	11-Mar-19
0001594989	-	NIKAL PURE NICKEL ANTI-SEIZE LUBRICANT	8	Ounces(OZ)	11-Mar-19
0001502545	-	BROMICIDE TABLETS	50	Pounds(LB)	11-Mar-19
0001502552	-	BROMICIDE TABLETS	50	Pounds(LB)	11-Mar-19
0001502557	-	BROMICIDE TABLETS	50	Pounds(LB)	11-Mar-19
0001502546	-	BROMICIDE TABLETS	50	Pounds(LB)	11-Mar-19
0001502547	-	BROMICIDE TABLETS	50	Pounds(LB)	11-Mar-19
0001502548	-	BROMICIDE TABLETS	50	Pounds(LB)	11-Mar-19
0001502549	-	BROMICIDE TABLETS	50	Pounds(LB)	11-Mar-19
0001502550	-	BROMICIDE TABLETS	50	Pounds(LB)	11-Mar-19
0001502551	-	BROMICIDE TABLETS	50	Pounds(LB)	11-Mar-19
0001502553	-	BROMICIDE TABLETS	50	Pounds(LB)	11-Mar-19
0001502554	-	BROMICIDE TABLETS	50	Pounds(LB)	11-Mar-19
0001502556	-	BROMICIDE TABLETS	50	Pounds(LB)	11-Mar-19
0001502558	-	BROMICIDE TABLETS	50	Pounds(LB)	11-Mar-19
0001502559	-	BROMICIDE TABLETS	50	Pounds(LB)	11-Mar-19
0001502561	-	BROMICIDE TABLETS	50	Pounds(LB)	11-Mar-19
0001502562	-	BROMICIDE TABLETS	50	Pounds(LB)	11-Mar-19
0001502555	-	BROMICIDE TABLETS	50	Pounds(LB)	11-Mar-19
0001502563	-	BROMICIDE TABLETS	50	Pounds(LB)	11-Mar-19
0001502564	-	BROMICIDE TABLETS	50	Pounds(LB)	11-Mar-19
0001502560	-	BROMICIDE TABLETS	50	Pounds(LB)	11-Mar-19
0001594592	-	HIGH VACUUM GREASE	5.3	Ounces(OZ)	11-Mar-19
0001502406	-	Startex Lacquer Thinner	1	Gallon(GAL)	11-Mar-19
0001502519	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	11-Mar-19
0001502524	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	11-Mar-19
0001502525	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	11-Mar-19
0001502526	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	11-Mar-19
0001502522	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	11-Mar-19
0001502521	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	11-Mar-19
0001502520	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	11-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001502538	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	11-Mar-19
0001502537	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	11-Mar-19
0001502536	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	11-Mar-19
0001502535	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	11-Mar-19
0001502534	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	11-Mar-19
0001502523	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	11-Mar-19
0001502528	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	11-Mar-19
0001502533	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	11-Mar-19
0001502529	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	11-Mar-19
0001502532	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	11-Mar-19
0001502530	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	11-Mar-19
0001502531	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	11-Mar-19
0001502527	-	LPS-1 GREASELESS LUBRICANT	11	Ounces(OZ)	11-Mar-19
0001594758	-	3094-GEL-REV-A	10	Milliliter(ML)	11-Mar-19
0001594762	91-17-8	DECAHYDRONAPHTHALENE	100	Milliliter(ML)	11-Mar-19
0001594763	1336-21-6	AMMONIUM HYDROXIDE	100	Milliliter(ML)	11-Mar-19
V000002533	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002532	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002531	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002530	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V00000252F	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V00000252E	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V00000252D	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V00000252C	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002520	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002503	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002536	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002528	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002527	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002526	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002525	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002524	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002523	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002522	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002521	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V00000252A	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V00000253F	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V0000024F5	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002548	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002547	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002546	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002545	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002544	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002543	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002542	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002534	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002540	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002535	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V00000253E	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V00000253D	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V00000253C	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V00000253B	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V00000253A	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002539	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002538	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002537	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002529	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002541	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V00000252B	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002517	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002516	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002515	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002514	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002513	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002512	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002511	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002510	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002518	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V00000250E	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V00000250F	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V00000250C	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V00000250B	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V00000250A	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002509	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002508	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002507	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002506	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002505	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002504	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V0000024F6	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V0000024FE	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V00000250D	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002519	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V0000024F8	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V0000024F9	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V0000024FA	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V0000024FB	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V0000024FC	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V0000024FD	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V0000024FF	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V00000251E	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V00000251A	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V00000251B	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V00000251D	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V0000024F7	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V00000251F	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002502	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002501	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V000002500	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
V00000251C	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	11-Mar-19
0001502350	-	PSX 700 CURE US	0.2	Gallon(GAL)	11-Mar-19
0001502351	-	PSX 700 CURE US	0.2	Gallon(GAL)	11-Mar-19
0001502352	-	PSX 700 CURE US	0.2	Gallon(GAL)	11-Mar-19
0001502353	-	PSX 700 CURE US	0.2	Gallon(GAL)	11-Mar-19
0001502354	-	PSX 700 CURE US	0.2	Gallon(GAL)	11-Mar-19
0001502355	-	PSX 700 CURE US	0.2	Gallon(GAL)	11-Mar-19
0001502356	-	PSX 700 CURE US	0.2	Gallon(GAL)	11-Mar-19
0001502357	-	PSX 700 CURE US	0.2	Gallon(GAL)	11-Mar-19
0001594764	-	PLY-7601	1	Pint(PT)	11-Mar-19
0001594765	-	PLY-7601	1	Pint(PT)	11-Mar-19
0001594766	-	PLY-7601	1	Pint(PT)	11-Mar-19
V000002550	-	PSX 700 pearl gray resin	1	Gallon(GAL)	11-Mar-19
V000002554	-	PSX 700 pearl gray resin	1	Gallon(GAL)	11-Mar-19
V000002549	-	PSX 700 pearl gray resin	1	Gallon(GAL)	11-Mar-19
V000002553	-	PSX 700 pearl gray resin	1	Gallon(GAL)	11-Mar-19
V000002552	-	PSX 700 pearl gray resin	1	Gallon(GAL)	11-Mar-19
V000002551	-	PSX 700 pearl gray resin	1	Gallon(GAL)	11-Mar-19
V00000254E	-	PSX 700 pearl gray resin	1	Gallon(GAL)	11-Mar-19
V00000254D	-	PSX 700 pearl gray resin	1	Gallon(GAL)	11-Mar-19
V00000254C	-	PSX 700 pearl gray resin	1	Gallon(GAL)	11-Mar-19
V00000254A	-	PSX 700 pearl gray resin	1	Gallon(GAL)	11-Mar-19
V00000254F	-	PSX 700 pearl gray resin	1	Gallon(GAL)	11-Mar-19
V00000254B	-	PSX 700 pearl gray resin	1	Gallon(GAL)	11-Mar-19
0001594767	-	PLY-7608	1	Pint(PT)	11-Mar-19
0001594769	-	PLY-7608	1	Pint(PT)	11-Mar-19
0001594768	-	PLY-7608	1	Pint(PT)	11-Mar-19
0001594770	70131-67-8	PLY-7609 SILICONE FLUID	1	Pint(PT)	11-Mar-19
0001594771	70131-67-8	PLY-7609 SILICONE FLUID	1	Pint(PT)	11-Mar-19
0001594772	00682-01-9	TETRA-N-PROPYL-SILICATE	1	Pint(PT)	11-Mar-19
0001594773	63148-57-2	METHYLHYDROGEN POLYSILOXANE	1	Pint(PT)	11-Mar-19
0001594774	-	Cl-TCP(Cl) ProTide Resin	5	Gram(GM)	11-Mar-19
0001594775	-	3094-GEL-REV-A	10	Milliliter(ML)	11-Mar-19
0001594778	-	3094-GEL-REV-A	10	Milliliter(ML)	11-Mar-19
0001594779	-	3094-GEL-REV-A	10	Milliliter(ML)	11-Mar-19
0001594777	-	3094-GEL-REV-A	10	Milliliter(ML)	11-Mar-19
0001594776	-	3094-GEL-REV-A	10	Milliliter(ML)	11-Mar-19
0001594780	-	3094-GEL-REV-A	10	Milliliter(ML)	11-Mar-19
0001594781	-	3094-GEL-REV-A	10	Milliliter(ML)	11-Mar-19
0001594782	-	3094-GEL-REV-A	10	Milliliter(ML)	11-Mar-19
0001594783	-	3094-GEL-REV-A	10	Milliliter(ML)	11-Mar-19
0001594784	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	1	Liters(L)	11-Mar-19
0001594785	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	1	Liters(L)	11-Mar-19
0001594786	28961-43-5	Ethoxylated (3) Trimethylolpropane Triacrylate	1	Liters(L)	11-Mar-19
0001594789	28961-43-5	Ethoxylated (3) Trimethylolpropane Triacrylate	1	Liters(L)	11-Mar-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001594790	28961-43-5	Ethoxylated (3) Trimethylolpropane Triacrylate	1	Liters(L)	11-Mar-19
0001594788	28961-43-5	Ethoxylated (3) Trimethylolpropane Triacrylate	1	Liters(L)	11-Mar-19
0001594787	28961-43-5	Ethoxylated (3) Trimethylolpropane Triacrylate	1	Liters(L)	11-Mar-19
0001594791	-	Negative Etch Resist	16	Ounces(OZ)	11-Mar-19
0001594792	149-57-5	2-ETHYLHEXANOIC ACID	1	Liters(L)	11-Mar-19
0001594793	-	STANDBY V-100 EPOXY GROUT X22	22	Pounds(LB)	11-Mar-19
0001594794	107-06-2	1 2-DICHLOROETHANE	2	Liters(L)	11-Mar-19
0001594795	12070-12-1	TUNGSTEN CARBIDE	5	Kilograms(KG)	11-Mar-19
0001594796	12070-12-1	TUNGSTEN CARBIDE	5	Kilograms(KG)	11-Mar-19
0001594797	67-66-3	CHLOROFORM	4	Liters(L)	11-Mar-19
0001594799	-	Major Mix IMS/Tof Calibration Kit	100	Milliliter(ML)	11-Mar-19
0001594800	-	CLEAN UP	2	Ounces(OZ)	11-Mar-19
0001594801	-	CLEAN UP	2	Ounces(OZ)	11-Mar-19
0001594802	60239-18-1	TETRAAZACYCLODODECANE-1 4 7 10	250	Milligram(MG)	11-Mar-19
0001594803	60239-18-1	TETRAAZACYCLODODECANE-1 4 7 10	250	Milligram(MG)	11-Mar-19
0001594804	60239-18-1	TETRAAZACYCLODODECANE-1 4 7 10	250	Milligram(MG)	11-Mar-19
0001594805	60239-18-1	TETRAAZACYCLODODECANE-1 4 7 10	250	Milligram(MG)	11-Mar-19
0001594806	60239-18-1	TETRAAZACYCLODODECANE-1 4 7 10	250	Milligram(MG)	11-Mar-19
0001594807	10025-82-8	INDIUM(III) CHLORIDE	25	Gram(GM)	11-Mar-19
0001594808	-	Urethane acrylate methacrylate resin	25	Gram(GM)	11-Mar-19
0001594809	118727-34-7	1 3 5-Tris(4-aminophenyl)benzene	5	Gram(GM)	11-Mar-19
0001514785	75-05-8	ACETONITRILE ANHYDROUS	1	Liters(L)	11-Mar-19
0001594926	1663-67-8	MALONYL DICHLORIDE	25	Gram(GM)	11-Mar-19
0001594927	1663-67-8	MALONYL DICHLORIDE	25	Gram(GM)	11-Mar-19
0001594928	-	2-KETO-D-GLUCONIC ACID CALCIUM SALT	1	Gram(GM)	11-Mar-19
0001594929	1310-73-2	SODIUM HYDROXIDE	100	Milliliter(ML)	11-Mar-19
0001594931	7697-37-2	NITRIC ACID	500	Milliliter(ML)	11-Mar-19
0001594932	7697-37-2	NITRIC ACID	500	Milliliter(ML)	11-Mar-19
0001594933	7697-37-2	NITRIC ACID	500	Milliliter(ML)	11-Mar-19
0001594934	1310-65-2	LITHIUM HYDROXIDE	100	Gram(GM)	11-Mar-19
0001594935	10217-52-4	HYDRAZINE HYDRATE	1	Liters(L)	11-Mar-19
0001594936	39430-51-8	CHROMIUM (III) ACETATE HYDROXIDE	2	Kilograms(KG)	11-Mar-19
0001594937	39430-51-8	CHROMIUM (III) ACETATE HYDROXIDE	2	Kilograms(KG)	11-Mar-19
0001594938	-	DUPLI-COLOR 2-in-1 Filler & Sandable Primer	12	Ounces(OZ)	11-Mar-19
0001594939	-	FULLCURE 835 VEROWHITE PLUS MODEL RESIN	1	Kilograms(KG)	11-Mar-19
0001594940	-	FULLCURE 835 VEROWHITE PLUS MODEL RESIN	1	Kilograms(KG)	11-Mar-19
0001594942	-	FULLCURE 835 VEROWHITE PLUS MODEL RESIN	1	Kilograms(KG)	11-Mar-19
0001594941	-	FULLCURE 835 VEROWHITE PLUS MODEL RESIN	1	Kilograms(KG)	11-Mar-19
0001594943	-	FULLCURE 705	1	Kilograms(KG)	11-Mar-19
0001594944	555-31-7	ALUMINUM ISOPROPOXIDE	1	Kilograms(KG)	11-Mar-19
0001594945	555-31-7	ALUMINUM ISOPROPOXIDE	1	Kilograms(KG)	11-Mar-19
0001594946	7664-38-2	PHOSPHORIC ACID	2.5	Liters(L)	11-Mar-19
0001594947	7664-38-2	PHOSPHORIC ACID	2.5	Liters(L)	11-Mar-19
0001594948	91987-74-5	((1 4 7 10-Tetraazacyclododecane-1 4 7 10-	5	Gram(GM)	11-Mar-19
0001594949	7447-40-7	POTASSIUM CHLORIDE	500	Gram(GM)	11-Mar-19
0001594950	-	SCANDIUM (III) NITRATE HYDRATE	1	Gram(GM)	11-Mar-19
0001594951	13759-83-6	SAMARIUM (III) NITRATE HEXAHYDRATE	5	Gram(GM)	11-Mar-19
0001594952	1306-38-3	CERIUM(IV) OXIDE	25	Gram(GM)	11-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001594953	1306-38-3	CERIUM(IV) OXIDE	100	Gram(GM)	11-Mar-19
0001594954	554-13-2	LITHIUM CARBONATE	10	Gram(GM)	11-Mar-19
0001594955	54451-25-1	CERIUM(III) CARBONATE HYDRATE	50	Gram(GM)	11-Mar-19
0001594956	5892-10-4	Bismuth(III) carbonate basic	100	Gram(GM)	11-Mar-19
0001594957	584-08-7	POTASSIUM CARBONATE ANHYDROUS	100	Gram(GM)	11-Mar-19
0001594958	25322-68-3	POLYETHYLENE OXIDE	5	Gram(GM)	11-Mar-19
0001594959	67-68-5	Vybrant DyeCycle Orange Stain	400	Microliter	11-Mar-19
V000002556	-	RV ANTIFREEZE	1	Gallon(GAL)	11-Mar-19
V00000255F	-	RV ANTIFREEZE	1	Gallon(GAL)	11-Mar-19
V00000255D	-	RV ANTIFREEZE	1	Gallon(GAL)	11-Mar-19
V00000255E	-	RV ANTIFREEZE	1	Gallon(GAL)	11-Mar-19
V00000255B	-	RV ANTIFREEZE	1	Gallon(GAL)	11-Mar-19
V00000255A	-	RV ANTIFREEZE	1	Gallon(GAL)	11-Mar-19
V000002559	-	RV ANTIFREEZE	1	Gallon(GAL)	11-Mar-19
V000002557	-	RV ANTIFREEZE	1	Gallon(GAL)	11-Mar-19
V000002555	-	RV ANTIFREEZE	1	Gallon(GAL)	11-Mar-19
V000002560	-	RV ANTIFREEZE	1	Gallon(GAL)	11-Mar-19
V000002558	-	RV ANTIFREEZE	1	Gallon(GAL)	11-Mar-19
V00000255C	-	RV ANTIFREEZE	1	Gallon(GAL)	11-Mar-19
0001459034	-	BENDIX HGH-18 CURING AGENT	1	Ounces(OZ)	11-Mar-19
0001459053	-	BENDIX HGH-18 CURING AGENT	1	Ounces(OZ)	11-Mar-19
0001459061	-	BENDIX HGH-18 CURING AGENT	1	Ounces(OZ)	11-Mar-19
0001459065	-	BENDIX HGH-18 CURING AGENT	1	Ounces(OZ)	11-Mar-19
0001459064	-	BENDIX HGH-18 CURING AGENT	1	Ounces(OZ)	11-Mar-19
0001459063	-	BENDIX HGH-18 CURING AGENT	1	Ounces(OZ)	11-Mar-19
0001459062	-	BENDIX HGH-18 CURING AGENT	1	Ounces(OZ)	11-Mar-19
0001459050	-	BENDIX HGH-18 CURING AGENT	1	Ounces(OZ)	11-Mar-19
0001459051	-	BENDIX HGH-18 CURING AGENT	1	Ounces(OZ)	11-Mar-19
0001459067	-	BENDIX HGH-18 CURING AGENT	1	Ounces(OZ)	11-Mar-19
0001459052	-	BENDIX HGH-18 CURING AGENT	1	Ounces(OZ)	11-Mar-19
0001459068	-	BENDIX HGH-18 CURING AGENT	1	Ounces(OZ)	11-Mar-19
0001459054	-	BENDIX HGH-18 CURING AGENT	1	Ounces(OZ)	11-Mar-19
0001459055	-	BENDIX HGH-18 CURING AGENT	1	Ounces(OZ)	11-Mar-19
0001459056	-	BENDIX HGH-18 CURING AGENT	1	Ounces(OZ)	11-Mar-19
0001459057	-	BENDIX HGH-18 CURING AGENT	1	Ounces(OZ)	11-Mar-19
0001459058	-	BENDIX HGH-18 CURING AGENT	1	Ounces(OZ)	11-Mar-19
0001459059	-	BENDIX HGH-18 CURING AGENT	1	Ounces(OZ)	11-Mar-19
0001459035	-	BENDIX HGH-18 CURING AGENT	1	Ounces(OZ)	11-Mar-19
0001459060	-	BENDIX HGH-18 CURING AGENT	1	Ounces(OZ)	11-Mar-19
0001459036	-	BENDIX HGH-18 CURING AGENT	1	Ounces(OZ)	11-Mar-19
0001459047	-	BENDIX HGH-18 CURING AGENT	1	Ounces(OZ)	11-Mar-19
0001459037	-	BENDIX HGH-18 CURING AGENT	1	Ounces(OZ)	11-Mar-19
0001459038	-	BENDIX HGH-18 CURING AGENT	1	Ounces(OZ)	11-Mar-19
0001459039	-	BENDIX HGH-18 CURING AGENT	1	Ounces(OZ)	11-Mar-19
0001459040	-	BENDIX HGH-18 CURING AGENT	1	Ounces(OZ)	11-Mar-19
0001459041	-	BENDIX HGH-18 CURING AGENT	1	Ounces(OZ)	11-Mar-19
0001459042	-	BENDIX HGH-18 CURING AGENT	1	Ounces(OZ)	11-Mar-19
0001459043	-	BENDIX HGH-18 CURING AGENT	1	Ounces(OZ)	11-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001459044	-	BENDIX HGH-18 CURING AGENT	1	Ounces(OZ)	11-Mar-19
0001459066	-	BENDIX HGH-18 CURING AGENT	1	Ounces(OZ)	11-Mar-19
0001459046	-	BENDIX HGH-18 CURING AGENT	1	Ounces(OZ)	11-Mar-19
0001459048	-	BENDIX HGH-18 CURING AGENT	1	Ounces(OZ)	11-Mar-19
0001459049	-	BENDIX HGH-18 CURING AGENT	1	Ounces(OZ)	11-Mar-19
0001459073	-	BENDIX HGH-18 CURING AGENT	1	Ounces(OZ)	11-Mar-19
0001459072	-	BENDIX HGH-18 CURING AGENT	1	Ounces(OZ)	11-Mar-19
0001459071	-	BENDIX HGH-18 CURING AGENT	1	Ounces(OZ)	11-Mar-19
0001459070	-	BENDIX HGH-18 CURING AGENT	1	Ounces(OZ)	11-Mar-19
0001459069	-	BENDIX HGH-18 CURING AGENT	1	Ounces(OZ)	11-Mar-19
0001459045	-	BENDIX HGH-18 CURING AGENT	1	Ounces(OZ)	11-Mar-19
0001502637	-	HENRY 430	4	Gallon(GAL)	12-Mar-19
0001502641	-	HENRY 430	4	Gallon(GAL)	12-Mar-19
0001502639	-	HENRY 430	4	Gallon(GAL)	12-Mar-19
0001502643	-	HENRY 430	4	Gallon(GAL)	12-Mar-19
0001502638	-	HENRY 430	4	Gallon(GAL)	12-Mar-19
0001502640	-	HENRY 430	4	Gallon(GAL)	12-Mar-19
0001502642	-	HENRY 430	4	Gallon(GAL)	12-Mar-19
0001502648	-	HENRY 430	4	Gallon(GAL)	12-Mar-19
0001502645	-	HENRY 430	4	Gallon(GAL)	12-Mar-19
0001502646	-	HENRY 430	4	Gallon(GAL)	12-Mar-19
0001502647	-	HENRY 430	4	Gallon(GAL)	12-Mar-19
0001502644	-	HENRY 430	4	Gallon(GAL)	12-Mar-19
V000002573	-	ARDEX FEATHER FINISH	10	Pounds(LB)	12-Mar-19
V00000256D	-	ARDEX FEATHER FINISH	10	Pounds(LB)	12-Mar-19
V00000256E	-	ARDEX FEATHER FINISH	10	Pounds(LB)	12-Mar-19
V00000256F	-	ARDEX FEATHER FINISH	10	Pounds(LB)	12-Mar-19
V000002570	-	ARDEX FEATHER FINISH	10	Pounds(LB)	12-Mar-19
V000002572	-	ARDEX FEATHER FINISH	10	Pounds(LB)	12-Mar-19
V000002574	-	ARDEX FEATHER FINISH	10	Pounds(LB)	12-Mar-19
V000002575	-	ARDEX FEATHER FINISH	10	Pounds(LB)	12-Mar-19
V000002576	-	ARDEX FEATHER FINISH	10	Pounds(LB)	12-Mar-19
V000002577	-	ARDEX FEATHER FINISH	10	Pounds(LB)	12-Mar-19
V00000257F	-	ARDEX FEATHER FINISH	10	Pounds(LB)	12-Mar-19
V000002571	-	ARDEX FEATHER FINISH	10	Pounds(LB)	12-Mar-19
V000002580	-	ARDEX FEATHER FINISH	10	Pounds(LB)	12-Mar-19
V000002578	-	ARDEX FEATHER FINISH	10	Pounds(LB)	12-Mar-19
V00000257E	-	ARDEX FEATHER FINISH	10	Pounds(LB)	12-Mar-19
V00000257D	-	ARDEX FEATHER FINISH	10	Pounds(LB)	12-Mar-19
V00000257C	-	ARDEX FEATHER FINISH	10	Pounds(LB)	12-Mar-19
V00000257B	-	ARDEX FEATHER FINISH	10	Pounds(LB)	12-Mar-19
V00000257A	-	ARDEX FEATHER FINISH	10	Pounds(LB)	12-Mar-19
V000002579	-	ARDEX FEATHER FINISH	10	Pounds(LB)	12-Mar-19
0001501903	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501953	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501954	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501955	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501956	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001501957	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501960	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501959	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501961	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501943	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501952	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501958	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501914	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501925	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501924	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501923	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501922	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501921	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501920	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501919	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501918	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501917	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501945	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501915	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501927	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501913	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501912	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501911	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501910	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501909	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501908	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501907	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501906	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501905	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501904	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501916	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501937	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501950	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501949	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501948	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501947	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501946	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501944	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501942	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501941	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501940	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501938	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501926	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501936	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501935	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501934	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501933	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501932	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001501931	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501930	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501929	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501928	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501951	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001501939	-	Touch N Foam Max Fill Triple Expanding Sealant	12	Ounces(OZ)	12-Mar-19
0001594595	78-95-5	CHLOROACETONE	100	Gram(GM)	12-Mar-19
0001594596	67-56-1	METHANOL HPLC	4	Liters(L)	12-Mar-19
0001594599	67-56-1	METHANOL HPLC	4	Liters(L)	12-Mar-19
0001594598	67-56-1	METHANOL HPLC	4	Liters(L)	12-Mar-19
0001594597	67-56-1	METHANOL HPLC	4	Liters(L)	12-Mar-19
0001594600	67-64-1	ACETONE	500	Milliliter(ML)	12-Mar-19
0001594602	67-64-1	ACETONE	500	Milliliter(ML)	12-Mar-19
0001594601	67-64-1	ACETONE	500	Milliliter(ML)	12-Mar-19
0001502358	-	Startex Denatured Alcohol	1	Gallon(GAL)	12-Mar-19
0001502364	-	Startex Denatured Alcohol	1	Gallon(GAL)	12-Mar-19
0001502367	-	Startex Denatured Alcohol	1	Gallon(GAL)	12-Mar-19
0001502365	-	Startex Denatured Alcohol	1	Gallon(GAL)	12-Mar-19
0001502363	-	Startex Denatured Alcohol	1	Gallon(GAL)	12-Mar-19
0001502362	-	Startex Denatured Alcohol	1	Gallon(GAL)	12-Mar-19
0001502361	-	Startex Denatured Alcohol	1	Gallon(GAL)	12-Mar-19
0001502360	-	Startex Denatured Alcohol	1	Gallon(GAL)	12-Mar-19
0001502359	-	Startex Denatured Alcohol	1	Gallon(GAL)	12-Mar-19
0001502366	-	Startex Denatured Alcohol	1	Gallon(GAL)	12-Mar-19
0001594603	67-64-1	ACETONE HISTOLOGICAL GRADE	1	Gallon(GAL)	12-Mar-19
0001594610	67-64-1	ACETONE HISTOLOGICAL GRADE	1	Gallon(GAL)	12-Mar-19
0001594605	67-64-1	ACETONE HISTOLOGICAL GRADE	1	Gallon(GAL)	12-Mar-19
0001594604	67-64-1	ACETONE HISTOLOGICAL GRADE	1	Gallon(GAL)	12-Mar-19
0001594607	67-64-1	ACETONE HISTOLOGICAL GRADE	1	Gallon(GAL)	12-Mar-19
0001594608	67-64-1	ACETONE HISTOLOGICAL GRADE	1	Gallon(GAL)	12-Mar-19
0001594606	67-64-1	ACETONE HISTOLOGICAL GRADE	1	Gallon(GAL)	12-Mar-19
0001594609	67-64-1	ACETONE HISTOLOGICAL GRADE	1	Gallon(GAL)	12-Mar-19
0001594831	10034-85-2	HYDRIODIC ACID 55%	500	Milliliter(ML)	12-Mar-19
0001594848	10034-85-2	HYDRIODIC ACID 55%	500	Milliliter(ML)	12-Mar-19
0001594853	10034-85-2	HYDRIODIC ACID 55%	500	Milliliter(ML)	12-Mar-19
0001594834	10034-85-2	HYDRIODIC ACID 55%	500	Milliliter(ML)	12-Mar-19
0001594835	10034-85-2	HYDRIODIC ACID 55%	500	Milliliter(ML)	12-Mar-19
0001594836	10034-85-2	HYDRIODIC ACID 55%	500	Milliliter(ML)	12-Mar-19
0001594852	10034-85-2	HYDRIODIC ACID 55%	500	Milliliter(ML)	12-Mar-19
0001594832	10034-85-2	HYDRIODIC ACID 55%	500	Milliliter(ML)	12-Mar-19
0001594837	10034-85-2	HYDRIODIC ACID 55%	500	Milliliter(ML)	12-Mar-19
0001594854	10034-85-2	HYDRIODIC ACID 55%	500	Milliliter(ML)	12-Mar-19
0001594850	10034-85-2	HYDRIODIC ACID 55%	500	Milliliter(ML)	12-Mar-19
0001594851	10034-85-2	HYDRIODIC ACID 55%	500	Milliliter(ML)	12-Mar-19
0001594847	10034-85-2	HYDRIODIC ACID 55%	500	Milliliter(ML)	12-Mar-19
0001594846	10034-85-2	HYDRIODIC ACID 55%	500	Milliliter(ML)	12-Mar-19
0001594845	10034-85-2	HYDRIODIC ACID 55%	500	Milliliter(ML)	12-Mar-19
0001594849	10034-85-2	HYDRIODIC ACID 55%	500	Milliliter(ML)	12-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001594838	10034-85-2	HYDRIODIC ACID 55%	500	Milliliter(ML)	12-Mar-19
0001594839	10034-85-2	HYDRIODIC ACID 55%	500	Milliliter(ML)	12-Mar-19
0001594840	10034-85-2	HYDRIODIC ACID 55%	500	Milliliter(ML)	12-Mar-19
0001594841	10034-85-2	HYDRIODIC ACID 55%	500	Milliliter(ML)	12-Mar-19
0001594833	10034-85-2	HYDRIODIC ACID 55%	500	Milliliter(ML)	12-Mar-19
0001594842	10034-85-2	HYDRIODIC ACID 55%	500	Milliliter(ML)	12-Mar-19
0001594843	10034-85-2	HYDRIODIC ACID 55%	500	Milliliter(ML)	12-Mar-19
0001594844	10034-85-2	HYDRIODIC ACID 55%	500	Milliliter(ML)	12-Mar-19
0001594960	7440-66-6	ZINC METAL DUST	100	Gram(GM)	12-Mar-19
0001594963	935-16-0	1 4-PHENYLENE DIISOCYANIDE	1	Gram(GM)	12-Mar-19
0001594964	623-27-8	TEREPHTHALALDEHYDE	5	Gram(GM)	12-Mar-19
0001594965	7784-27-2	ALUMINUM NITRATE NONAHYDRATE	10	Gram(GM)	12-Mar-19
0001594966	499-83-2	2 6-PYRIDINE-DICARBOXYLIC ACID	100	Gram(GM)	12-Mar-19
0001594967	554-13-2	LITHIUM CARBONATE	100	Gram(GM)	12-Mar-19
0001594968	7447-41-8	LITHIUM CHLORIDE	10	Gram(GM)	12-Mar-19
0001594969	584-08-7	POTASSIUM CARBONATE	10	Gram(GM)	12-Mar-19
0001594970	1310-66-3	LITHIUM HYDROXIDE MONOHYDRATE	10	Gram(GM)	12-Mar-19
0001594971	12057-24-8	LITHIUM OXIDE POWDER	10	Gram(GM)	12-Mar-19
0001594972	12031-80-0	LITHIUM PEROXIDE	50	Gram(GM)	12-Mar-19
0001594973	10035-06-0	BISMUTH(III) NITRATE PENTAHYDRATE	100	Gram(GM)	12-Mar-19
0001594974	10294-41-4	CERIUM(III) NITRATE HEXAHYDRATE	100	Gram(GM)	12-Mar-19
0001595047	1249-97-4	Benzoyl Leuco Methylene Blue	25	Gram(GM)	12-Mar-19
0001595048	79-94-7	TETRABROMOBISPHENOL A	25	Gram(GM)	12-Mar-19
0001595049	843-55-0	1 1-Bis(4-hydroxyphenyl)cyclohexane	25	Gram(GM)	12-Mar-19
0001595050	2362-14-3	1 1-Bis(4-hydroxy-3-methylphenyl)cyclohexane	25	Gram(GM)	12-Mar-19
0001595051	-	Magic Black Powder	0.5	Kilograms(KG)	12-Mar-19
0001595052	1344-28-1	Al2O3 Aluminum Oxide	1	Kilograms(KG)	12-Mar-19
0001595053	7782-42-5	GRAPHITE POWDER	1	Kilograms(KG)	12-Mar-19
V000002582	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	12-Mar-19
V000002581	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	12-Mar-19
V00000258D	-	RV ANTIFREEZE	1	Gallon(GAL)	12-Mar-19
V00000258C	-	RV ANTIFREEZE	1	Gallon(GAL)	12-Mar-19
V000002584	-	RV ANTIFREEZE	1	Gallon(GAL)	12-Mar-19
V000002587	-	RV ANTIFREEZE	1	Gallon(GAL)	12-Mar-19
V000002588	-	RV ANTIFREEZE	1	Gallon(GAL)	12-Mar-19
V000002589	-	RV ANTIFREEZE	1	Gallon(GAL)	12-Mar-19
V00000258E	-	RV ANTIFREEZE	1	Gallon(GAL)	12-Mar-19
V000002583	-	RV ANTIFREEZE	1	Gallon(GAL)	12-Mar-19
V000002586	-	RV ANTIFREEZE	1	Gallon(GAL)	12-Mar-19
V000002585	-	RV ANTIFREEZE	1	Gallon(GAL)	12-Mar-19
V00000258B	-	RV ANTIFREEZE	1	Gallon(GAL)	12-Mar-19
V00000258A	-	RV ANTIFREEZE	1	Gallon(GAL)	12-Mar-19
0001595054	13076-17-0	(3R-Cis)-3 6-dimethyl-1 4-dioxane-2 5-dione	5	Gram(GM)	12-Mar-19
0001595055	1163733-25-2	Aquivion PW79S	25	Gram(GM)	12-Mar-19
0001595056	1163733-25-2	Aquivion PW79S	25	Gram(GM)	12-Mar-19
V000002590	-	Avalon Premium 100% Acrylic Interior Flat W/B	1	Gallon(GAL)	12-Mar-19
V00000258F	-	Avalon Premium 100% Acrylic Interior Flat W/B	1	Gallon(GAL)	12-Mar-19
0001595057	-	Leybonol LVO 130	5	Liters(L)	12-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001595058	-	Leybonol LVO 130	5	Liters(L)	12-Mar-19
V000002594	-	Avalon Premium 100% Acrylic Interior Flat W/B	5	Gallon(GAL)	12-Mar-19
V000002592	-	Avalon Premium 100% Acrylic Interior Flat W/B	5	Gallon(GAL)	12-Mar-19
V000002593	-	Avalon Premium 100% Acrylic Interior Flat W/B	5	Gallon(GAL)	12-Mar-19
V000002591	-	Avalon Premium 100% Acrylic Interior Flat W/B	5	Gallon(GAL)	12-Mar-19
V000002598	-	Avalon Premium 100% Acrylic Interior Satin W/B	1	Gallon(GAL)	12-Mar-19
V000002599	-	Avalon Premium 100% Acrylic Interior Satin W/B	1	Gallon(GAL)	12-Mar-19
V000002597	-	Avalon Premium 100% Acrylic Interior Satin W/B	1	Gallon(GAL)	12-Mar-19
V000002596	-	Avalon Premium 100% Acrylic Interior Satin W/B	1	Gallon(GAL)	12-Mar-19
V000002595	-	Avalon Premium 100% Acrylic Interior Satin W/B	1	Gallon(GAL)	12-Mar-19
V00000259A	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	12-Mar-19
V00000259C	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	12-Mar-19
V00000259B	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	12-Mar-19
V0000025A1	-	Permacryl Int Latex Flat W/B	30.4	Ounces(OZ)	12-Mar-19
V0000025A0	-	Permacryl Int Latex Flat W/B	30.4	Ounces(OZ)	12-Mar-19
V00000259F	-	Permacryl Int Latex Flat W/B	30.4	Ounces(OZ)	12-Mar-19
V00000259D	-	Permacryl Int Latex Flat W/B	30.4	Ounces(OZ)	12-Mar-19
V00000259E	-	Permacryl Int Latex Flat W/B	30.4	Ounces(OZ)	12-Mar-19
V0000025A7	-	Avalon Premium 100% Acrylic Interior Flat N/B	1	Gallon(GAL)	12-Mar-19
V0000025A2	-	Avalon Premium 100% Acrylic Interior Flat N/B	1	Gallon(GAL)	12-Mar-19
V0000025AB	-	Avalon Premium 100% Acrylic Interior Flat N/B	1	Gallon(GAL)	12-Mar-19
V0000025AC	-	Avalon Premium 100% Acrylic Interior Flat N/B	1	Gallon(GAL)	12-Mar-19
V0000025A9	-	Avalon Premium 100% Acrylic Interior Flat N/B	1	Gallon(GAL)	12-Mar-19
V0000025A8	-	Avalon Premium 100% Acrylic Interior Flat N/B	1	Gallon(GAL)	12-Mar-19
V0000025A6	-	Avalon Premium 100% Acrylic Interior Flat N/B	1	Gallon(GAL)	12-Mar-19
V0000025A5	-	Avalon Premium 100% Acrylic Interior Flat N/B	1	Gallon(GAL)	12-Mar-19
V0000025AA	-	Avalon Premium 100% Acrylic Interior Flat N/B	1	Gallon(GAL)	12-Mar-19
V0000025A3	-	Avalon Premium 100% Acrylic Interior Flat N/B	1	Gallon(GAL)	12-Mar-19
V0000025A4	-	Avalon Premium 100% Acrylic Interior Flat N/B	1	Gallon(GAL)	12-Mar-19
0000984366	1675-54-3	D.E.R. 332	1	Kilograms(KG)	12-Mar-19
0000984367	1675-54-3	D.E.R. 332	1	Kilograms(KG)	12-Mar-19
V0000025B4	-	RV ANTIFREEZE	1	Gallon(GAL)	12-Mar-19
V0000025B0	-	RV ANTIFREEZE	1	Gallon(GAL)	12-Mar-19
V0000025B1	-	RV ANTIFREEZE	1	Gallon(GAL)	12-Mar-19
V0000025C3	-	RV ANTIFREEZE	1	Gallon(GAL)	12-Mar-19
V0000025C4	-	RV ANTIFREEZE	1	Gallon(GAL)	12-Mar-19
V0000025AD	-	RV ANTIFREEZE	1	Gallon(GAL)	12-Mar-19
V0000025AE	-	RV ANTIFREEZE	1	Gallon(GAL)	12-Mar-19
V0000025B2	-	RV ANTIFREEZE	1	Gallon(GAL)	12-Mar-19
V0000025AF	-	RV ANTIFREEZE	1	Gallon(GAL)	12-Mar-19
V0000025B8	-	RV ANTIFREEZE	1	Gallon(GAL)	12-Mar-19
V0000025B5	-	RV ANTIFREEZE	1	Gallon(GAL)	12-Mar-19
V0000025B6	-	RV ANTIFREEZE	1	Gallon(GAL)	12-Mar-19
V0000025BE	-	RV ANTIFREEZE	1	Gallon(GAL)	12-Mar-19
V0000025B9	-	RV ANTIFREEZE	1	Gallon(GAL)	12-Mar-19
V0000025BA	-	RV ANTIFREEZE	1	Gallon(GAL)	12-Mar-19
V0000025BB	-	RV ANTIFREEZE	1	Gallon(GAL)	12-Mar-19
V0000025BC	-	RV ANTIFREEZE	1	Gallon(GAL)	12-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V0000025B3	-	RV ANTIFREEZE	1	Gallon(GAL)	12-Mar-19
V0000025BD	-	RV ANTIFREEZE	1	Gallon(GAL)	12-Mar-19
V0000025B7	-	RV ANTIFREEZE	1	Gallon(GAL)	12-Mar-19
V0000025BF	-	RV ANTIFREEZE	1	Gallon(GAL)	12-Mar-19
V0000025C0	-	RV ANTIFREEZE	1	Gallon(GAL)	12-Mar-19
V0000025C1	-	RV ANTIFREEZE	1	Gallon(GAL)	12-Mar-19
V0000025C2	-	RV ANTIFREEZE	1	Gallon(GAL)	12-Mar-19
0001574239	-	Mobil 1 5W-40	1	Gallon(GAL)	12-Mar-19
0001574245	-	Mobil 1 5W-40	1	Gallon(GAL)	12-Mar-19
0001574240	-	Mobil 1 5W-40	1	Gallon(GAL)	12-Mar-19
0001574241	-	Mobil 1 5W-40	1	Gallon(GAL)	12-Mar-19
0001574242	-	Mobil 1 5W-40	1	Gallon(GAL)	12-Mar-19
0001574244	-	Mobil 1 5W-40	1	Gallon(GAL)	12-Mar-19
0001574246	-	Mobil 1 5W-40	1	Gallon(GAL)	12-Mar-19
0001574247	-	Mobil 1 5W-40	1	Gallon(GAL)	12-Mar-19
0001574248	-	Mobil 1 5W-40	1	Gallon(GAL)	12-Mar-19
0001574249	-	Mobil 1 5W-40	1	Gallon(GAL)	12-Mar-19
0001574250	-	Mobil 1 5W-40	1	Gallon(GAL)	12-Mar-19
0001574251	-	Mobil 1 5W-40	1	Gallon(GAL)	12-Mar-19
0001574252	-	Mobil 1 5W-40	1	Gallon(GAL)	12-Mar-19
0001574243	-	Mobil 1 5W-40	1	Gallon(GAL)	12-Mar-19
0001564406	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564493	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564510	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564502	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564503	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564504	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564505	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564506	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564507	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564491	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564509	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564499	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564511	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564512	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564513	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564514	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564515	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564516	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564517	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564508	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564490	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564481	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564482	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564483	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564484	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564485	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564486	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001564487	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564501	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564489	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564500	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564492	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564494	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564495	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564496	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564497	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564498	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564488	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564407	-	Argon UHP	220	Cubic Feet(CF)	13-Mar-19
0001564423	-	Argon UHP	220	Cubic Feet(CF)	13-Mar-19
0001564408	-	Argon UHP	220	Cubic Feet(CF)	13-Mar-19
0001564436	-	Argon UHP	220	Cubic Feet(CF)	13-Mar-19
0001564434	-	Argon UHP	220	Cubic Feet(CF)	13-Mar-19
0001564433	-	Argon UHP	220	Cubic Feet(CF)	13-Mar-19
0001564432	-	Argon UHP	220	Cubic Feet(CF)	13-Mar-19
0001564431	-	Argon UHP	220	Cubic Feet(CF)	13-Mar-19
0001564430	-	Argon UHP	220	Cubic Feet(CF)	13-Mar-19
0001564429	-	Argon UHP	220	Cubic Feet(CF)	13-Mar-19
0001564428	-	Argon UHP	220	Cubic Feet(CF)	13-Mar-19
0001564427	-	Argon UHP	220	Cubic Feet(CF)	13-Mar-19
0001564426	-	Argon UHP	220	Cubic Feet(CF)	13-Mar-19
0001564435	-	Argon UHP	220	Cubic Feet(CF)	13-Mar-19
0001564424	-	Argon UHP	220	Cubic Feet(CF)	13-Mar-19
0001564409	-	Argon UHP	220	Cubic Feet(CF)	13-Mar-19
0001564422	-	Argon UHP	220	Cubic Feet(CF)	13-Mar-19
0001564421	-	Argon UHP	220	Cubic Feet(CF)	13-Mar-19
0001564420	-	Argon UHP	220	Cubic Feet(CF)	13-Mar-19
0001564419	-	Argon UHP	220	Cubic Feet(CF)	13-Mar-19
0001564418	-	Argon UHP	220	Cubic Feet(CF)	13-Mar-19
0001564417	-	Argon UHP	220	Cubic Feet(CF)	13-Mar-19
0001564416	-	Argon UHP	220	Cubic Feet(CF)	13-Mar-19
0001564415	-	Argon UHP	220	Cubic Feet(CF)	13-Mar-19
0001564414	-	Argon UHP	220	Cubic Feet(CF)	13-Mar-19
0001564413	-	Argon UHP	220	Cubic Feet(CF)	13-Mar-19
0001564412	-	Argon UHP	220	Cubic Feet(CF)	13-Mar-19
0001564411	-	Argon UHP	220	Cubic Feet(CF)	13-Mar-19
0001564425	-	Argon UHP	220	Cubic Feet(CF)	13-Mar-19
0001564410	-	Argon UHP	220	Cubic Feet(CF)	13-Mar-19
0001564437	-	Nitrogen UHP	220	Cubic Feet(CF)	13-Mar-19
0001564461	-	Nitrogen UHP	220	Cubic Feet(CF)	13-Mar-19
0001564454	-	Nitrogen UHP	220	Cubic Feet(CF)	13-Mar-19
0001564456	-	Nitrogen UHP	220	Cubic Feet(CF)	13-Mar-19
0001564457	-	Nitrogen UHP	220	Cubic Feet(CF)	13-Mar-19
0001564458	-	Nitrogen UHP	220	Cubic Feet(CF)	13-Mar-19
0001564452	-	Nitrogen UHP	220	Cubic Feet(CF)	13-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001564460	-	Nitrogen UHP	220	Cubic Feet(CF)	13-Mar-19
0001564453	-	Nitrogen UHP	220	Cubic Feet(CF)	13-Mar-19
0001564462	-	Nitrogen UHP	220	Cubic Feet(CF)	13-Mar-19
0001564463	-	Nitrogen UHP	220	Cubic Feet(CF)	13-Mar-19
0001564464	-	Nitrogen UHP	220	Cubic Feet(CF)	13-Mar-19
0001564465	-	Nitrogen UHP	220	Cubic Feet(CF)	13-Mar-19
0001564466	-	Nitrogen UHP	220	Cubic Feet(CF)	13-Mar-19
0001564459	-	Nitrogen UHP	220	Cubic Feet(CF)	13-Mar-19
0001564443	-	Nitrogen UHP	220	Cubic Feet(CF)	13-Mar-19
0001564438	-	Nitrogen UHP	220	Cubic Feet(CF)	13-Mar-19
0001564439	-	Nitrogen UHP	220	Cubic Feet(CF)	13-Mar-19
0001564440	-	Nitrogen UHP	220	Cubic Feet(CF)	13-Mar-19
0001564455	-	Nitrogen UHP	220	Cubic Feet(CF)	13-Mar-19
0001564442	-	Nitrogen UHP	220	Cubic Feet(CF)	13-Mar-19
0001564451	-	Nitrogen UHP	220	Cubic Feet(CF)	13-Mar-19
0001564444	-	Nitrogen UHP	220	Cubic Feet(CF)	13-Mar-19
0001564445	-	Nitrogen UHP	220	Cubic Feet(CF)	13-Mar-19
0001564446	-	Nitrogen UHP	220	Cubic Feet(CF)	13-Mar-19
0001564447	-	Nitrogen UHP	220	Cubic Feet(CF)	13-Mar-19
0001564448	-	Nitrogen UHP	220	Cubic Feet(CF)	13-Mar-19
0001564449	-	Nitrogen UHP	220	Cubic Feet(CF)	13-Mar-19
0001564450	-	Nitrogen UHP	220	Cubic Feet(CF)	13-Mar-19
0001564441	-	Nitrogen UHP	220	Cubic Feet(CF)	13-Mar-19
0001564467	-	Sulfer Hexafluoride	220	Cubic Feet(CF)	13-Mar-19
0001564475	-	Sulfer Hexafluoride	220	Cubic Feet(CF)	13-Mar-19
0001564468	-	Sulfer Hexafluoride	220	Cubic Feet(CF)	13-Mar-19
0001564480	-	Sulfer Hexafluoride	220	Cubic Feet(CF)	13-Mar-19
0001564479	-	Sulfer Hexafluoride	220	Cubic Feet(CF)	13-Mar-19
0001564478	-	Sulfer Hexafluoride	220	Cubic Feet(CF)	13-Mar-19
0001564477	-	Sulfer Hexafluoride	220	Cubic Feet(CF)	13-Mar-19
0001564476	-	Sulfer Hexafluoride	220	Cubic Feet(CF)	13-Mar-19
0001564473	-	Sulfer Hexafluoride	220	Cubic Feet(CF)	13-Mar-19
0001564472	-	Sulfer Hexafluoride	220	Cubic Feet(CF)	13-Mar-19
0001564471	-	Sulfer Hexafluoride	220	Cubic Feet(CF)	13-Mar-19
0001564469	-	Sulfer Hexafluoride	220	Cubic Feet(CF)	13-Mar-19
0001564470	-	Sulfer Hexafluoride	220	Cubic Feet(CF)	13-Mar-19
0001564474	-	Sulfer Hexafluoride	220	Cubic Feet(CF)	13-Mar-19
0001564518	-	95% NITROGEN/5% HYDROGEN	220	Cubic Feet(CF)	13-Mar-19
0001564519	-	95% NITROGEN/5% HYDROGEN	220	Cubic Feet(CF)	13-Mar-19
0001564520	-	95% NITROGEN/5% HYDROGEN	220	Cubic Feet(CF)	13-Mar-19
0001564521	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	13-Mar-19
0001564524	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	13-Mar-19
0001564528	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	13-Mar-19
0001564527	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	13-Mar-19
0001564525	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	13-Mar-19
0001564523	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	13-Mar-19
0001564522	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	13-Mar-19
0001564526	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	13-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001564529	74-98-6	PROPANE	5	Gallon(GAL)	13-Mar-19
0001564530	74-98-6	PROPANE	5	Gallon(GAL)	13-Mar-19
0001564531	74-98-6	PROPANE	5	Gallon(GAL)	13-Mar-19
0001564532	74-98-6	PROPANE	5	Gallon(GAL)	13-Mar-19
0001564533	74-98-6	PROPANE	11	Gallon(GAL)	13-Mar-19
0001564534	74-98-6	PROPANE	11	Gallon(GAL)	13-Mar-19
0001564539	74-98-6	PROPANE	100	Pounds(LB)	13-Mar-19
0001564535	74-98-6	PROPANE	25	Gallon(GAL)	13-Mar-19
0001564536	74-98-6	PROPANE	100	Pounds(LB)	13-Mar-19
0001564537	74-98-6	PROPANE	100	Pounds(LB)	13-Mar-19
0001564538	74-98-6	PROPANE	100	Pounds(LB)	13-Mar-19
0001564540	-	21% OXYGEN/BAL. HELIUM	220	Cubic Feet(CF)	13-Mar-19
0001564541	-	21% OXYGEN/BAL. HELIUM	220	Cubic Feet(CF)	13-Mar-19
0001564542	-	HELIUM/CARBON DIOXIDE	80	Cubic Feet(CF)	13-Mar-19
0001594855	-	GLYCERINE	262	Gallon(GAL)	13-Mar-19
0001564543	-	WATER 250PPM IN HELIUM	80	Cubic Feet(CF)	13-Mar-19
0001564546	-	Refrigerant R22	30	Pounds(LB)	13-Mar-19
0001564547	-	Refrigerant R22	30	Pounds(LB)	13-Mar-19
0001564548	-	Refrigerant R22	30	Pounds(LB)	13-Mar-19
0001564549	-	FORANE 407 C	25	Cubic Feet(CF)	13-Mar-19
0001564551	-	FORANE 407 C	25	Cubic Feet(CF)	13-Mar-19
0001564552	-	FORANE 407 C	25	Cubic Feet(CF)	13-Mar-19
0001564550	-	FORANE 407 C	25	Cubic Feet(CF)	13-Mar-19
0001595059	-	ETHANOL ANHYDROUS	20	Liters(L)	13-Mar-19
0001595060	6596-96-9	TRIS(DIMETHYLAMINO)ARSINE	25	Gram(GM)	13-Mar-19
0001595061	-	PALLADIUM 10% ON ACTIVATED CARBON	50	Gram(GM)	13-Mar-19
0001595062	10025-78-2	TRICHLOROSILANE	100	Gram(GM)	13-Mar-19
0001595063	10025-78-2	TRICHLOROSILANE	100	Gram(GM)	13-Mar-19
0001595064	67-56-1	METHANOL	500	Milliliter(ML)	13-Mar-19
0001595065	88-09-5	2-ETHYLBUTYRIC ACID	500	Milliliter(ML)	13-Mar-19
0001595066	10378-47-9	CERIC AMMONIUM SULFATE DIHYDRATE	100	Gram(GM)	13-Mar-19
0001595067	3179-76-8	3-AMINOPROPYLMETHYLDIETHOXYSILANE	25	Gram(GM)	13-Mar-19
0001595068	919-30-2	3-AMINOPROPYLTRIETHOXYSILANE	25	Gram(GM)	13-Mar-19
0001595069	617-52-7	DIMETHYL ITACONATE	100	Gram(GM)	13-Mar-19
0001595070	-	TUNGSTEN STANDARD	100	Milliliter(ML)	13-Mar-19
0001595071	6381-59-5	POTASSIUM SODIUM TARTRATE TERTAHYDRATE	500	Gram(GM)	13-Mar-19
0001595072	7440-36-0	ANTIMONY PIECES	500	Gram(GM)	13-Mar-19
0001595073	1306-38-3	CERIUM(IV) OXIDE	100	Gram(GM)	13-Mar-19
0001433220	-	Blue Monster PTFE Pipe Thread Sealant	0.25	Pint(PT)	13-Mar-19
0001433223	-	Blue Monster PTFE Pipe Thread Sealant	0.25	Pint(PT)	13-Mar-19
0001433222	-	Blue Monster PTFE Pipe Thread Sealant	0.25	Pint(PT)	13-Mar-19
0001433224	-	Blue Monster PTFE Pipe Thread Sealant	0.25	Pint(PT)	13-Mar-19
0001433221	-	Blue Monster PTFE Pipe Thread Sealant	0.25	Pint(PT)	13-Mar-19
0001433226	-	133K Anti-Seize Lubricant	8	Ounces(OZ)	13-Mar-19
0001433228	-	133K Anti-Seize Lubricant	8	Ounces(OZ)	13-Mar-19
0001433229	-	133K Anti-Seize Lubricant	8	Ounces(OZ)	13-Mar-19
0001433227	-	133K Anti-Seize Lubricant	8	Ounces(OZ)	13-Mar-19
0001433364	-	NORDSTROM 167 Bulk Sealant	5	Quarts(QT)	13-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001433365	-	NORDSTROM 167 Bulk Sealant	5	Quarts(QT)	13-Mar-19
0001433289	-	SYNTHETIC GREASE MOBILITH SCH220	13.7	Ounces(OZ)	13-Mar-19
0001433307	-	SYNTHETIC GREASE MOBILITH SCH220	13.7	Ounces(OZ)	13-Mar-19
0001433308	-	SYNTHETIC GREASE MOBILITH SCH220	13.7	Ounces(OZ)	13-Mar-19
0001433306	-	SYNTHETIC GREASE MOBILITH SCH220	13.7	Ounces(OZ)	13-Mar-19
0001433305	-	SYNTHETIC GREASE MOBILITH SCH220	13.7	Ounces(OZ)	13-Mar-19
0001433299	-	SYNTHETIC GREASE MOBILITH SCH220	13.7	Ounces(OZ)	13-Mar-19
0001433304	-	SYNTHETIC GREASE MOBILITH SCH220	13.7	Ounces(OZ)	13-Mar-19
0001433303	-	SYNTHETIC GREASE MOBILITH SCH220	13.7	Ounces(OZ)	13-Mar-19
0001433302	-	SYNTHETIC GREASE MOBILITH SCH220	13.7	Ounces(OZ)	13-Mar-19
0001433301	-	SYNTHETIC GREASE MOBILITH SCH220	13.7	Ounces(OZ)	13-Mar-19
0001433300	-	SYNTHETIC GREASE MOBILITH SCH220	13.7	Ounces(OZ)	13-Mar-19
0001433290	-	SYNTHETIC GREASE MOBILITH SCH220	13.7	Ounces(OZ)	13-Mar-19
0001433297	-	SYNTHETIC GREASE MOBILITH SCH220	13.7	Ounces(OZ)	13-Mar-19
0001433296	-	SYNTHETIC GREASE MOBILITH SCH220	13.7	Ounces(OZ)	13-Mar-19
0001433295	-	SYNTHETIC GREASE MOBILITH SCH220	13.7	Ounces(OZ)	13-Mar-19
0001433294	-	SYNTHETIC GREASE MOBILITH SCH220	13.7	Ounces(OZ)	13-Mar-19
0001433293	-	SYNTHETIC GREASE MOBILITH SCH220	13.7	Ounces(OZ)	13-Mar-19
0001433292	-	SYNTHETIC GREASE MOBILITH SCH220	13.7	Ounces(OZ)	13-Mar-19
0001433298	-	SYNTHETIC GREASE MOBILITH SCH220	13.7	Ounces(OZ)	13-Mar-19
0001433291	-	SYNTHETIC GREASE MOBILITH SCH220	13.7	Ounces(OZ)	13-Mar-19
0001433278	-	SYNTHETIC GREASE MOBILITH SCH220	13.7	Ounces(OZ)	13-Mar-19
0001433279	-	SYNTHETIC GREASE MOBILITH SCH220	13.7	Ounces(OZ)	13-Mar-19
0001433281	-	SYNTHETIC GREASE MOBILITH SCH220	13.7	Ounces(OZ)	13-Mar-19
0001433283	-	SYNTHETIC GREASE MOBILITH SCH220	13.7	Ounces(OZ)	13-Mar-19
0001433280	-	SYNTHETIC GREASE MOBILITH SCH220	13.7	Ounces(OZ)	13-Mar-19
0001433288	-	SYNTHETIC GREASE MOBILITH SCH220	13.7	Ounces(OZ)	13-Mar-19
0001433287	-	SYNTHETIC GREASE MOBILITH SCH220	13.7	Ounces(OZ)	13-Mar-19
0001433286	-	SYNTHETIC GREASE MOBILITH SCH220	13.7	Ounces(OZ)	13-Mar-19
0001433285	-	SYNTHETIC GREASE MOBILITH SCH220	13.7	Ounces(OZ)	13-Mar-19
0001433284	-	SYNTHETIC GREASE MOBILITH SCH220	13.7	Ounces(OZ)	13-Mar-19
0001433282	-	SYNTHETIC GREASE MOBILITH SCH220	13.7	Ounces(OZ)	13-Mar-19
0001573170	-	NICKEL ANTI-SEIZE LUBRICANT	8	Ounces(OZ)	14-Mar-19
0001573173	-	NICKEL ANTI-SEIZE LUBRICANT	8	Ounces(OZ)	14-Mar-19
0001573172	-	NICKEL ANTI-SEIZE LUBRICANT	8	Ounces(OZ)	14-Mar-19
0001573171	-	NICKEL ANTI-SEIZE LUBRICANT	8	Ounces(OZ)	14-Mar-19
0001573174	-	Delo 400 SDE SAE 15W-40	55	Gallon(GAL)	14-Mar-19
0001573175	-	Delo 400 SDE SAE 15W-40	55	Gallon(GAL)	14-Mar-19
0001459074	-	HALTHANE 73-18 2 PART KIT	1	Ounces(OZ)	14-Mar-19
0001459105	-	HALTHANE 73-18 2 PART KIT	1	Ounces(OZ)	14-Mar-19
0001459091	-	HALTHANE 73-18 2 PART KIT	1	Ounces(OZ)	14-Mar-19
0001459094	-	HALTHANE 73-18 2 PART KIT	1	Ounces(OZ)	14-Mar-19
0001459095	-	HALTHANE 73-18 2 PART KIT	1	Ounces(OZ)	14-Mar-19
0001459096	-	HALTHANE 73-18 2 PART KIT	1	Ounces(OZ)	14-Mar-19
0001459097	-	HALTHANE 73-18 2 PART KIT	1	Ounces(OZ)	14-Mar-19
0001459098	-	HALTHANE 73-18 2 PART KIT	1	Ounces(OZ)	14-Mar-19
0001459099	-	HALTHANE 73-18 2 PART KIT	1	Ounces(OZ)	14-Mar-19
0001459100	-	HALTHANE 73-18 2 PART KIT	1	Ounces(OZ)	14-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001459101	-	HALTHANE 73-18 2 PART KIT	1	Ounces(OZ)	14-Mar-19
0001459102	-	HALTHANE 73-18 2 PART KIT	1	Ounces(OZ)	14-Mar-19
0001459104	-	HALTHANE 73-18 2 PART KIT	1	Ounces(OZ)	14-Mar-19
0001459106	-	HALTHANE 73-18 2 PART KIT	1	Ounces(OZ)	14-Mar-19
0001459107	-	HALTHANE 73-18 2 PART KIT	1	Ounces(OZ)	14-Mar-19
0001459108	-	HALTHANE 73-18 2 PART KIT	1	Ounces(OZ)	14-Mar-19
0001459109	-	HALTHANE 73-18 2 PART KIT	1	Ounces(OZ)	14-Mar-19
0001459110	-	HALTHANE 73-18 2 PART KIT	1	Ounces(OZ)	14-Mar-19
0001459111	-	HALTHANE 73-18 2 PART KIT	1	Ounces(OZ)	14-Mar-19
0001459112	-	HALTHANE 73-18 2 PART KIT	1	Ounces(OZ)	14-Mar-19
0001459113	-	HALTHANE 73-18 2 PART KIT	1	Ounces(OZ)	14-Mar-19
0001459092	-	HALTHANE 73-18 2 PART KIT	1	Ounces(OZ)	14-Mar-19
0001459103	-	HALTHANE 73-18 2 PART KIT	1	Ounces(OZ)	14-Mar-19
0001459081	-	HALTHANE 73-18 2 PART KIT	1	Ounces(OZ)	14-Mar-19
0001459093	-	HALTHANE 73-18 2 PART KIT	1	Ounces(OZ)	14-Mar-19
0001459075	-	HALTHANE 73-18 2 PART KIT	1	Ounces(OZ)	14-Mar-19
0001459076	-	HALTHANE 73-18 2 PART KIT	1	Ounces(OZ)	14-Mar-19
0001459077	-	HALTHANE 73-18 2 PART KIT	1	Ounces(OZ)	14-Mar-19
0001459078	-	HALTHANE 73-18 2 PART KIT	1	Ounces(OZ)	14-Mar-19
0001459080	-	HALTHANE 73-18 2 PART KIT	1	Ounces(OZ)	14-Mar-19
0001459082	-	HALTHANE 73-18 2 PART KIT	1	Ounces(OZ)	14-Mar-19
0001459083	-	HALTHANE 73-18 2 PART KIT	1	Ounces(OZ)	14-Mar-19
0001459087	-	HALTHANE 73-18 2 PART KIT	1	Ounces(OZ)	14-Mar-19
0001459090	-	HALTHANE 73-18 2 PART KIT	1	Ounces(OZ)	14-Mar-19
0001459089	-	HALTHANE 73-18 2 PART KIT	1	Ounces(OZ)	14-Mar-19
0001459079	-	HALTHANE 73-18 2 PART KIT	1	Ounces(OZ)	14-Mar-19
0001459088	-	HALTHANE 73-18 2 PART KIT	1	Ounces(OZ)	14-Mar-19
0001459086	-	HALTHANE 73-18 2 PART KIT	1	Ounces(OZ)	14-Mar-19
0001459085	-	HALTHANE 73-18 2 PART KIT	1	Ounces(OZ)	14-Mar-19
0001459084	-	HALTHANE 73-18 2 PART KIT	1	Ounces(OZ)	14-Mar-19
0001514786	-	NIKAL PURE NICKEL ANTI-SEIZE LUBRICANT	8	Ounces(OZ)	18-Mar-19
0001517380	1122-58-3	4-DIMETHYLAMINOPYRIDINE	25	Gram(GM)	18-Mar-19
0001517382	1122-58-3	4-DIMETHYLAMINOPYRIDINE	25	Gram(GM)	18-Mar-19
0001517381	1122-58-3	4-DIMETHYLAMINOPYRIDINE	25	Gram(GM)	18-Mar-19
0001594856	-	Ultragrade 19 Oil	4	Liters(L)	18-Mar-19
0001594857	1310-58-3	POTASSIUM HYDROXIDE	2.5	Kilograms(KG)	18-Mar-19
0001594858	693-13-0	N N'-DIISOPROPYLCARBODIIMIDE	100	Milliliter(ML)	18-Mar-19
0001594859	67-63-0	2-PROPANOL	4	Liters(L)	18-Mar-19
0001594860	67-63-0	2-PROPANOL	4	Liters(L)	18-Mar-19
0001594861	67-56-1	METHANOL	4	Liters(L)	18-Mar-19
0001594862	67-56-1	METHANOL	4	Liters(L)	18-Mar-19
0001594863	-	SMARTer PCR cDNA Synthesis Kit	200	Milliliter(ML)	18-Mar-19
0001594864	-	KAPA Library Quantification DNA Standards	200	Milliliter(ML)	18-Mar-19
0001594865	-	KAPA Library Quantification DNA Standards	200	Milliliter(ML)	18-Mar-19
0001594866	-	KAPA Library Quantification DNA Standards	200	Milliliter(ML)	18-Mar-19
0001594867	-	KAPA HiFi HotStart ReadyMix	200	Milliliter(ML)	18-Mar-19
0001594869	-	KAPA HiFi HotStart ReadyMix	200	Milliliter(ML)	18-Mar-19
0001594868	-	KAPA HiFi HotStart ReadyMix	200	Milliliter(ML)	18-Mar-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001594870	64-19-7	ACETIC ACID	500	Milliliter(ML)	18-Mar-19
0001594871	64-19-7	ACETIC ACID	500	Milliliter(ML)	18-Mar-19
0001595001	-	DOW CORNING(R) HIGH VACUUM GREASE	150	Gram(GM)	18-Mar-19
0001595035	-	DOW CORNING(R) HIGH VACUUM GREASE	150	Gram(GM)	18-Mar-19
0001595012	-	DOW CORNING(R) HIGH VACUUM GREASE	150	Gram(GM)	18-Mar-19
0001595036	-	DOW CORNING(R) HIGH VACUUM GREASE	150	Gram(GM)	18-Mar-19
0001595019	-	DOW CORNING(R) HIGH VACUUM GREASE	150	Gram(GM)	18-Mar-19
0001595008	-	DOW CORNING(R) HIGH VACUUM GREASE	150	Gram(GM)	18-Mar-19
0001595007	-	DOW CORNING(R) HIGH VACUUM GREASE	150	Gram(GM)	18-Mar-19
0001595009	-	DOW CORNING(R) HIGH VACUUM GREASE	150	Gram(GM)	18-Mar-19
0001595010	-	DOW CORNING(R) HIGH VACUUM GREASE	150	Gram(GM)	18-Mar-19
0001595013	-	DOW CORNING(R) HIGH VACUUM GREASE	150	Gram(GM)	18-Mar-19
0001595017	-	DOW CORNING(R) HIGH VACUUM GREASE	150	Gram(GM)	18-Mar-19
0001595011	-	DOW CORNING(R) HIGH VACUUM GREASE	150	Gram(GM)	18-Mar-19
0001595015	-	DOW CORNING(R) HIGH VACUUM GREASE	150	Gram(GM)	18-Mar-19
0001595018	-	DOW CORNING(R) HIGH VACUUM GREASE	150	Gram(GM)	18-Mar-19
0001595002	-	DOW CORNING(R) HIGH VACUUM GREASE	150	Gram(GM)	18-Mar-19
0001595003	-	DOW CORNING(R) HIGH VACUUM GREASE	150	Gram(GM)	18-Mar-19
0001595004	-	DOW CORNING(R) HIGH VACUUM GREASE	150	Gram(GM)	18-Mar-19
0001595034	-	DOW CORNING(R) HIGH VACUUM GREASE	150	Gram(GM)	18-Mar-19
0001595005	-	DOW CORNING(R) HIGH VACUUM GREASE	150	Gram(GM)	18-Mar-19
0001595014	-	DOW CORNING(R) HIGH VACUUM GREASE	150	Gram(GM)	18-Mar-19
0001595006	-	DOW CORNING(R) HIGH VACUUM GREASE	150	Gram(GM)	18-Mar-19
0001595016	-	DOW CORNING(R) HIGH VACUUM GREASE	150	Gram(GM)	18-Mar-19
0001595022	-	DOW CORNING(R) HIGH VACUUM GREASE	150	Gram(GM)	18-Mar-19
0001595026	-	DOW CORNING(R) HIGH VACUUM GREASE	150	Gram(GM)	18-Mar-19
0001595027	-	DOW CORNING(R) HIGH VACUUM GREASE	150	Gram(GM)	18-Mar-19
0001595028	-	DOW CORNING(R) HIGH VACUUM GREASE	150	Gram(GM)	18-Mar-19
0001595024	-	DOW CORNING(R) HIGH VACUUM GREASE	150	Gram(GM)	18-Mar-19
0001595023	-	DOW CORNING(R) HIGH VACUUM GREASE	150	Gram(GM)	18-Mar-19
0001595025	-	DOW CORNING(R) HIGH VACUUM GREASE	150	Gram(GM)	18-Mar-19
0001595021	-	DOW CORNING(R) HIGH VACUUM GREASE	150	Gram(GM)	18-Mar-19
0001595020	-	DOW CORNING(R) HIGH VACUUM GREASE	150	Gram(GM)	18-Mar-19
0001595030	-	DOW CORNING(R) HIGH VACUUM GREASE	150	Gram(GM)	18-Mar-19
0001595031	-	DOW CORNING(R) HIGH VACUUM GREASE	150	Gram(GM)	18-Mar-19
0001595032	-	DOW CORNING(R) HIGH VACUUM GREASE	150	Gram(GM)	18-Mar-19
0001595033	-	DOW CORNING(R) HIGH VACUUM GREASE	150	Gram(GM)	18-Mar-19
0001595029	-	DOW CORNING(R) HIGH VACUUM GREASE	150	Gram(GM)	18-Mar-19
0001595074	112-55-0	1-DODECANETHIOL	500	Milliliter(ML)	18-Mar-19
0001595075	1330-20-7	XYLENES	2.5	Liters(L)	18-Mar-19
0001595077	1330-20-7	XYLENES	2.5	Liters(L)	18-Mar-19
0001595076	1330-20-7	XYLENES	2.5	Liters(L)	18-Mar-19
0001595078	883150-73-0	Strontium aluminate europium and dysprosium	25	Gram(GM)	18-Mar-19
0001595082	883150-73-0	Strontium aluminate europium and dysprosium	25	Gram(GM)	18-Mar-19
0001595079	883150-73-0	Strontium aluminate europium and dysprosium	25	Gram(GM)	18-Mar-19
0001595080	883150-73-0	Strontium aluminate europium and dysprosium	25	Gram(GM)	18-Mar-19
0001595081	883150-73-0	Strontium aluminate europium and dysprosium	25	Gram(GM)	18-Mar-19
0001595083	-	WENOL METAL POLISH	100	Milliliter(ML)	18-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001595084	-	Simple Green All-Purpose Cleaner	1	Gallon(GAL)	18-Mar-19
0001595085	1122-58-3	4-DIMETHYLAMINOPYRIDINE	100	Gram(GM)	18-Mar-19
0001595086	-	'ERADO-SOL and E-Sol Foamy - # 207	8	Ounces(OZ)	18-Mar-19
0001595087	-	'ERADO-SOL and E-Sol Foamy - # 207	8	Ounces(OZ)	18-Mar-19
0001595088	14985-18-3	ZIRCONYL NITRATE HYDRATE	100	Gram(GM)	18-Mar-19
0001595089	-	SILICON DIOXIDE STANDARD	1	Kilograms(KG)	18-Mar-19
0001595090	102691-36-1	2-CYANOETHYL N N N' N'-	1	Gram(GM)	18-Mar-19
0001595091	102691-36-1	2-CYANOETHYL N N N' N'-	1	Gram(GM)	18-Mar-19
0001595092	1291-32-3	BIS(CYCLOPENTADIENYL)ZIRCONIUM	25	Gram(GM)	18-Mar-19
0001595093	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	18-Mar-19
0001595101	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	18-Mar-19
0001595107	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	18-Mar-19
0001595094	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	18-Mar-19
0001595095	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	18-Mar-19
0001595096	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	18-Mar-19
0001595097	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	18-Mar-19
0001595098	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	18-Mar-19
0001595099	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	18-Mar-19
0001595100	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	18-Mar-19
0001595102	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	18-Mar-19
0001595104	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	18-Mar-19
0001595103	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	18-Mar-19
0001595106	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	18-Mar-19
0001595116	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	18-Mar-19
0001595108	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	18-Mar-19
0001595109	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	18-Mar-19
0001595110	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	18-Mar-19
0001595111	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	18-Mar-19
0001595112	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	18-Mar-19
0001595113	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	18-Mar-19
0001595114	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	18-Mar-19
0001595115	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	18-Mar-19
0001595105	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	18-Mar-19
0001595117	75-09-2	DICHLOROMETHANE	500	Milliliter(ML)	18-Mar-19
0001595118	51-80-9	N N N N-TETRAMETHYLETHYLENEDIAMINE	100	Gram(GM)	18-Mar-19
0001595119	865-49-6	CHLOROFORM-D 99.8+ ATOM% D	100	Gram(GM)	18-Mar-19
0001595120	865-49-6	CHLOROFORM-D 99.8+ ATOM% D	100	Gram(GM)	18-Mar-19
0001595121	865-49-6	CHLOROFORM-D 99.8+ ATOM% D	100	Gram(GM)	18-Mar-19
0001595122	-	CombiCoulomat frit	500	Milliliter(ML)	18-Mar-19
0001595123	-	CombiCoulomat frit	500	Milliliter(ML)	18-Mar-19
0001595124	112-90-3	OLEYLAMINE 70%	500	Gram(GM)	18-Mar-19
0001595191	67-63-0	ISOPROPANOL ELECTRONIC	2.5	Liters(L)	18-Mar-19
0001595192	-	DOW CORNING SYLGARD 186 SILICONE	8.8	Pounds(LB)	18-Mar-19
0001595193	-	XIAMETER RTV-3110 BASE	453	Gram(GM)	18-Mar-19
0001595194	-	XIAMETER RTV-3110 BASE	453	Gram(GM)	18-Mar-19
0001595195	-	XIAMETER RTV-3010-S CATALYST	409	Gram(GM)	18-Mar-19
0001595196	10361-93-0	YTTRIUM(III) NITRATE	8.25	Kilograms(KG)	18-Mar-19
0001595198	1310-73-2	SODIUM HYDROXIDE	4	Liters(L)	18-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001595199	1310-73-2	SODIUM HYDROXIDE	4	Liters(L)	18-Mar-19
0001595207	1310-73-2	SODIUM HYDROXIDE	4	Liters(L)	18-Mar-19
0001595206	1310-73-2	SODIUM HYDROXIDE	4	Liters(L)	18-Mar-19
0001595205	1310-73-2	SODIUM HYDROXIDE	4	Liters(L)	18-Mar-19
0001595204	1310-73-2	SODIUM HYDROXIDE	4	Liters(L)	18-Mar-19
0001595203	1310-73-2	SODIUM HYDROXIDE	4	Liters(L)	18-Mar-19
0001595202	1310-73-2	SODIUM HYDROXIDE	4	Liters(L)	18-Mar-19
0001595200	1310-73-2	SODIUM HYDROXIDE	4	Liters(L)	18-Mar-19
0001595208	1310-73-2	SODIUM HYDROXIDE	4	Liters(L)	18-Mar-19
0001595201	1310-73-2	SODIUM HYDROXIDE	4	Liters(L)	18-Mar-19
0001595263	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595308	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595315	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595314	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595313	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595312	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595311	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595301	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595309	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595302	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595316	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595307	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595306	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595305	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595304	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595303	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595310	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595300	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595333	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595332	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595331	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595330	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595329	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595328	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595325	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595326	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595317	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595324	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595323	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595322	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595321	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595320	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595319	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595318	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595327	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595271	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595290	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595280	-	CLOROX	1	Gallon(GAL)	18-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001595279	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595278	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595277	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595276	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595282	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595272	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595283	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595270	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595269	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595268	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595267	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595266	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595265	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595264	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595274	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595334	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595298	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595297	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595296	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595295	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595294	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595293	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595281	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595291	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595299	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595289	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595275	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595288	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595287	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595286	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595285	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595284	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595292	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595273	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595335	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595336	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001595337	-	CLOROX	1	Gallon(GAL)	18-Mar-19
0001564553	-	SUVA 95 (R-508B)	10	Pounds(LB)	18-Mar-19
0001564554	-	SUVA 95 (R-508B)	10	Pounds(LB)	18-Mar-19
0001564555	-	OXYGEN IN NITROGEN	1.2	Cubic Feet(CF)	18-Mar-19
0001564556	-	OXYGEN IN NITROGEN	1.2	Cubic Feet(CF)	18-Mar-19
0001564557	7727-37-9	NITROGEN COMPRESSED GAS	150	Cubic Feet(CF)	18-Mar-19
0001564558	7440-59-7	HELIUM	150	Cubic Feet(CF)	18-Mar-19
0001564559	-	CALIBRATION CHECK GAS	150	Cubic Feet(CF)	18-Mar-19
0001564561	-	CALIBRATION CHECK GAS	150	Cubic Feet(CF)	18-Mar-19
0001564560	-	CALIBRATION CHECK GAS	150	Cubic Feet(CF)	18-Mar-19
V0000025D8	-	Zinsser BULLS EYE 1-2-3	1	Gallon(GAL)	18-Mar-19
V0000025DC	-	Zinsser BULLS EYE 1-2-3	1	Gallon(GAL)	18-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V0000025DB	-	Zinsser BULLS EYE 1-2-3	1	Gallon(GAL)	18-Mar-19
V0000025DA	-	Zinsser BULLS EYE 1-2-3	1	Gallon(GAL)	18-Mar-19
V0000025D1	-	Zinsser BULLS EYE 1-2-3	1	Gallon(GAL)	18-Mar-19
V0000025D9	-	Zinsser BULLS EYE 1-2-3	1	Gallon(GAL)	18-Mar-19
V0000025D2	-	Zinsser BULLS EYE 1-2-3	1	Gallon(GAL)	18-Mar-19
V0000025D3	-	Zinsser BULLS EYE 1-2-3	1	Gallon(GAL)	18-Mar-19
V0000025D4	-	Zinsser BULLS EYE 1-2-3	1	Gallon(GAL)	18-Mar-19
V0000025D5	-	Zinsser BULLS EYE 1-2-3	1	Gallon(GAL)	18-Mar-19
V0000025D6	-	Zinsser BULLS EYE 1-2-3	1	Gallon(GAL)	18-Mar-19
V0000025D7	-	Zinsser BULLS EYE 1-2-3	1	Gallon(GAL)	18-Mar-19
0001502184	-	MOBIL SHC GEAR 460	5	Gallon(GAL)	18-Mar-19
0001502196	-	MOBIL SHC GEAR 460	5	Gallon(GAL)	18-Mar-19
0001502195	-	MOBIL SHC GEAR 460	5	Gallon(GAL)	18-Mar-19
0001502185	-	MOBIL SHC GEAR 460	5	Gallon(GAL)	18-Mar-19
0001502188	-	MOBIL SHC GEAR 460	5	Gallon(GAL)	18-Mar-19
0001502187	-	MOBIL SHC GEAR 460	5	Gallon(GAL)	18-Mar-19
0001502193	-	MOBIL SHC GEAR 460	5	Gallon(GAL)	18-Mar-19
0001502191	-	MOBIL SHC GEAR 460	5	Gallon(GAL)	18-Mar-19
0001502197	-	MOBIL SHC GEAR 460	5	Gallon(GAL)	18-Mar-19
0001502190	-	MOBIL SHC GEAR 460	5	Gallon(GAL)	18-Mar-19
0001502189	-	MOBIL SHC GEAR 460	5	Gallon(GAL)	18-Mar-19
0001502186	-	MOBIL SHC GEAR 460	5	Gallon(GAL)	18-Mar-19
0001502210	-	MOBIL SHC GEAR 460	5	Gallon(GAL)	18-Mar-19
0001502223	-	MOBIL SHC GEAR 460	5	Gallon(GAL)	18-Mar-19
0001502222	-	MOBIL SHC GEAR 460	5	Gallon(GAL)	18-Mar-19
0001502221	-	MOBIL SHC GEAR 460	5	Gallon(GAL)	18-Mar-19
0001502220	-	MOBIL SHC GEAR 460	5	Gallon(GAL)	18-Mar-19
0001502219	-	MOBIL SHC GEAR 460	5	Gallon(GAL)	18-Mar-19
0001502218	-	MOBIL SHC GEAR 460	5	Gallon(GAL)	18-Mar-19
0001502217	-	MOBIL SHC GEAR 460	5	Gallon(GAL)	18-Mar-19
0001502216	-	MOBIL SHC GEAR 460	5	Gallon(GAL)	18-Mar-19
0001502215	-	MOBIL SHC GEAR 460	5	Gallon(GAL)	18-Mar-19
0001502214	-	MOBIL SHC GEAR 460	5	Gallon(GAL)	18-Mar-19
0001502213	-	MOBIL SHC GEAR 460	5	Gallon(GAL)	18-Mar-19
0001502199	-	MOBIL SHC GEAR 460	5	Gallon(GAL)	18-Mar-19
0001502211	-	MOBIL SHC GEAR 460	5	Gallon(GAL)	18-Mar-19
0001502192	-	MOBIL SHC GEAR 460	5	Gallon(GAL)	18-Mar-19
0001502209	-	MOBIL SHC GEAR 460	5	Gallon(GAL)	18-Mar-19
0001502208	-	MOBIL SHC GEAR 460	5	Gallon(GAL)	18-Mar-19
0001502207	-	MOBIL SHC GEAR 460	5	Gallon(GAL)	18-Mar-19
0001502206	-	MOBIL SHC GEAR 460	5	Gallon(GAL)	18-Mar-19
0001502205	-	MOBIL SHC GEAR 460	5	Gallon(GAL)	18-Mar-19
0001502204	-	MOBIL SHC GEAR 460	5	Gallon(GAL)	18-Mar-19
0001502203	-	MOBIL SHC GEAR 460	5	Gallon(GAL)	18-Mar-19
0001502202	-	MOBIL SHC GEAR 460	5	Gallon(GAL)	18-Mar-19
0001502201	-	MOBIL SHC GEAR 460	5	Gallon(GAL)	18-Mar-19
0001502198	-	MOBIL SHC GEAR 460	5	Gallon(GAL)	18-Mar-19
0001502200	-	MOBIL SHC GEAR 460	5	Gallon(GAL)	18-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001502212	-	MOBIL SHC GEAR 460	5	Gallon(GAL)	18-Mar-19
0001502194	-	MOBIL SHC GEAR 460	5	Gallon(GAL)	18-Mar-19
V0000025E1	-	Zinsser BULLS EYE 1-2-3	1	Gallon(GAL)	18-Mar-19
V0000025DD	-	Zinsser BULLS EYE 1-2-3	1	Gallon(GAL)	18-Mar-19
V0000025DE	-	Zinsser BULLS EYE 1-2-3	1	Gallon(GAL)	18-Mar-19
V0000025E0	-	Zinsser BULLS EYE 1-2-3	1	Gallon(GAL)	18-Mar-19
V0000025DF	-	Zinsser BULLS EYE 1-2-3	1	Gallon(GAL)	18-Mar-19
0001502368	-	Cote All J.D. (Safety) Yellow	1	Gallon(GAL)	18-Mar-19
0001502369	-	Cote All J.D. (Safety) Yellow	1	Gallon(GAL)	18-Mar-19
V000002602	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V0000025E2	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V0000025FB	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V0000025FC	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V0000025FD	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V0000025FE	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V0000025FF	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V0000025F9	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V000002601	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V0000025F8	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V000002603	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V000002604	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V000002605	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V0000025E7	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V0000025E8	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V0000025E9	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V000002600	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V0000025F4	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V0000025EC	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V0000025ED	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V0000025EE	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V0000025EF	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V0000025F0	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V0000025F1	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V0000025FA	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V0000025F3	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V0000025EA	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V0000025F5	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V0000025F6	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V0000025E3	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V0000025E4	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V0000025E5	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V0000025E6	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V0000025F7	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V0000025F2	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V0000025EB	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
0001502370	-	GB-9711 GLOSS BLACK SPRAY PAINT	12	Ounces(OZ)	18-Mar-19
0001502375	-	GB-9711 GLOSS BLACK SPRAY PAINT	12	Ounces(OZ)	18-Mar-19
0001502381	-	GB-9711 GLOSS BLACK SPRAY PAINT	12	Ounces(OZ)	18-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001502380	-	GB-9711 GLOSS BLACK SPRAY PAINT	12	Ounces(OZ)	18-Mar-19
0001502379	-	GB-9711 GLOSS BLACK SPRAY PAINT	12	Ounces(OZ)	18-Mar-19
0001502378	-	GB-9711 GLOSS BLACK SPRAY PAINT	12	Ounces(OZ)	18-Mar-19
0001502376	-	GB-9711 GLOSS BLACK SPRAY PAINT	12	Ounces(OZ)	18-Mar-19
0001502374	-	GB-9711 GLOSS BLACK SPRAY PAINT	12	Ounces(OZ)	18-Mar-19
0001502373	-	GB-9711 GLOSS BLACK SPRAY PAINT	12	Ounces(OZ)	18-Mar-19
0001502372	-	GB-9711 GLOSS BLACK SPRAY PAINT	12	Ounces(OZ)	18-Mar-19
0001502371	-	GB-9711 GLOSS BLACK SPRAY PAINT	12	Ounces(OZ)	18-Mar-19
0001502377	-	GB-9711 GLOSS BLACK SPRAY PAINT	12	Ounces(OZ)	18-Mar-19
0001502382	-	Diamond Spray Paint Sun Yellow	12	Ounces(OZ)	18-Mar-19
0001502385	-	Diamond Spray Paint Sun Yellow	12	Ounces(OZ)	18-Mar-19
0001502386	-	Diamond Spray Paint Sun Yellow	12	Ounces(OZ)	18-Mar-19
0001502383	-	Diamond Spray Paint Sun Yellow	12	Ounces(OZ)	18-Mar-19
0001502387	-	Diamond Spray Paint Sun Yellow	12	Ounces(OZ)	18-Mar-19
0001502384	-	Diamond Spray Paint Sun Yellow	12	Ounces(OZ)	18-Mar-19
0001573176	-	Napa -20 degree Windshield Washer Fluid	1	Gallon(GAL)	18-Mar-19
0001573182	-	Napa -20 degree Windshield Washer Fluid	1	Gallon(GAL)	18-Mar-19
0001573187	-	Napa -20 degree Windshield Washer Fluid	1	Gallon(GAL)	18-Mar-19
0001573186	-	Napa -20 degree Windshield Washer Fluid	1	Gallon(GAL)	18-Mar-19
0001573185	-	Napa -20 degree Windshield Washer Fluid	1	Gallon(GAL)	18-Mar-19
0001573183	-	Napa -20 degree Windshield Washer Fluid	1	Gallon(GAL)	18-Mar-19
0001573181	-	Napa -20 degree Windshield Washer Fluid	1	Gallon(GAL)	18-Mar-19
0001573180	-	Napa -20 degree Windshield Washer Fluid	1	Gallon(GAL)	18-Mar-19
0001573179	-	Napa -20 degree Windshield Washer Fluid	1	Gallon(GAL)	18-Mar-19
0001573178	-	Napa -20 degree Windshield Washer Fluid	1	Gallon(GAL)	18-Mar-19
0001573177	-	Napa -20 degree Windshield Washer Fluid	1	Gallon(GAL)	18-Mar-19
0001573184	-	Napa -20 degree Windshield Washer Fluid	1	Gallon(GAL)	18-Mar-19
0001573188	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	18-Mar-19
0001573195	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	18-Mar-19
0001573193	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	18-Mar-19
0001573189	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	18-Mar-19
0001573190	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	18-Mar-19
0001573192	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	18-Mar-19
0001573194	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	18-Mar-19
0001573197	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	18-Mar-19
0001573198	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	18-Mar-19
0001573191	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	18-Mar-19
0001573199	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	18-Mar-19
0001573196	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	18-Mar-19
V00000260B	-	SHEETROCK EASY SAND Lightweight Setting Type	5	Pounds(LB)	18-Mar-19
V000002606	-	SHEETROCK EASY SAND Lightweight Setting Type	5	Pounds(LB)	18-Mar-19
V000002607	-	SHEETROCK EASY SAND Lightweight Setting Type	5	Pounds(LB)	18-Mar-19
V000002608	-	SHEETROCK EASY SAND Lightweight Setting Type	5	Pounds(LB)	18-Mar-19
V000002609	-	SHEETROCK EASY SAND Lightweight Setting Type	5	Pounds(LB)	18-Mar-19
V00000260A	-	SHEETROCK EASY SAND Lightweight Setting Type	5	Pounds(LB)	18-Mar-19
V00000260F	-	SPRAY TEXTURE	25	Ounces(OZ)	18-Mar-19
V000002610	-	SPRAY TEXTURE	25	Ounces(OZ)	18-Mar-19
V00000260E	-	SPRAY TEXTURE	25	Ounces(OZ)	18-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V00000260D	-	SPRAY TEXTURE	25	Ounces(OZ)	18-Mar-19
V00000260C	-	SPRAY TEXTURE	25	Ounces(OZ)	18-Mar-19
V000002611	-	SPRAY TEXTURE	25	Ounces(OZ)	18-Mar-19
0001502398	-	Finium DTM-AT S/G Acrylic W/B	1	Gallon(GAL)	18-Mar-19
0001502401	-	Finium DTM-AT S/G Acrylic W/B	1	Gallon(GAL)	18-Mar-19
0001502400	-	Finium DTM-AT S/G Acrylic W/B	1	Gallon(GAL)	18-Mar-19
0001502402	-	Finium DTM-AT S/G Acrylic W/B	1	Gallon(GAL)	18-Mar-19
0001502403	-	Finium DTM-AT S/G Acrylic W/B	1	Gallon(GAL)	18-Mar-19
0001502404	-	Finium DTM-AT S/G Acrylic W/B	1	Gallon(GAL)	18-Mar-19
0001502405	-	Finium DTM-AT S/G Acrylic W/B	1	Gallon(GAL)	18-Mar-19
0001502399	-	Finium DTM-AT S/G Acrylic W/B	1	Gallon(GAL)	18-Mar-19
V000002615	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V00000261D	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V00000261C	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V00000261B	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V00000261A	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V000002619	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V000002618	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V000002616	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V000002614	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V000002613	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V000002612	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V000002617	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	18-Mar-19
V000002623	-	Zinsser BULLS EYE 1-2-3	1	Gallon(GAL)	18-Mar-19
V000002622	-	Zinsser BULLS EYE 1-2-3	1	Gallon(GAL)	18-Mar-19
V000002621	-	Zinsser BULLS EYE 1-2-3	1	Gallon(GAL)	18-Mar-19
V000002620	-	Zinsser BULLS EYE 1-2-3	1	Gallon(GAL)	18-Mar-19
V00000261F	-	Zinsser BULLS EYE 1-2-3	1	Gallon(GAL)	18-Mar-19
V00000261E	-	Zinsser BULLS EYE 1-2-3	1	Gallon(GAL)	18-Mar-19
0001502407	-	Startex Lacquer Thinner	1	Gallon(GAL)	18-Mar-19
0001502539	-	KRYLON Industrial TOUGH COAT Acrylic Enamel	12	Ounces(OZ)	18-Mar-19
0001502544	-	KRYLON Industrial TOUGH COAT Acrylic Enamel	12	Ounces(OZ)	18-Mar-19
0001502540	-	KRYLON Industrial TOUGH COAT Acrylic Enamel	12	Ounces(OZ)	18-Mar-19
0001502541	-	KRYLON Industrial TOUGH COAT Acrylic Enamel	12	Ounces(OZ)	18-Mar-19
0001502542	-	KRYLON Industrial TOUGH COAT Acrylic Enamel	12	Ounces(OZ)	18-Mar-19
0001502543	-	KRYLON Industrial TOUGH COAT Acrylic Enamel	12	Ounces(OZ)	18-Mar-19
0001502151	-	Finium DTM-AT S/G Acrylic W/B	114	Ounces(OZ)	18-Mar-19
0001502155	-	Finium DTM-AT S/G Acrylic W/B	114	Ounces(OZ)	18-Mar-19
0001502154	-	Finium DTM-AT S/G Acrylic W/B	114	Ounces(OZ)	18-Mar-19
0001502153	-	Finium DTM-AT S/G Acrylic W/B	114	Ounces(OZ)	18-Mar-19
0001502152	-	Finium DTM-AT S/G Acrylic W/B	114	Ounces(OZ)	18-Mar-19
0001502156	-	Finium DTM-AT S/G Acrylic N/B	114	Ounces(OZ)	18-Mar-19
0001502157	-	Finium DTM-AT S/G Acrylic N/B	114	Ounces(OZ)	18-Mar-19
0001502160	-	Finium DTM-AT S/G Acrylic N/B	114	Ounces(OZ)	18-Mar-19
0001502158	-	Finium DTM-AT S/G Acrylic N/B	114	Ounces(OZ)	18-Mar-19
0001502159	-	Finium DTM-AT S/G Acrylic N/B	114	Ounces(OZ)	18-Mar-19
V00000262C	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	18-Mar-19
V000002624	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	18-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V00000262D	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	18-Mar-19
V00000262B	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	18-Mar-19
V000002625	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	18-Mar-19
V000002626	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	18-Mar-19
V000002629	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	18-Mar-19
V000002628	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	18-Mar-19
V000002627	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	18-Mar-19
V00000262A	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	18-Mar-19
V000002630	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	18-Mar-19
V000002637	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	18-Mar-19
V00000262F	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	18-Mar-19
V00000262E	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	18-Mar-19
V000002635	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	18-Mar-19
V000002634	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	18-Mar-19
V000002632	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	18-Mar-19
V000002631	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	18-Mar-19
V000002633	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	18-Mar-19
V000002636	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	18-Mar-19
0001514788	-	OptiShield Plus Corrosion Inhibitor	1	Gallon(GAL)	19-Mar-19
0001594611	67-63-0	ISOPROPYL ALCOHOL	4	Liters(L)	19-Mar-19
0001594612	5523-19-3	Boron trichloride methyl sulfide complex solution	100	Milliliter(ML)	19-Mar-19
0001595149	-	DOUBLE-BUBBLE EPOXY	350	Gram(GM)	19-Mar-19
0001595150	7697-37-2	NITRIC ACID	1	Gram(GM)	19-Mar-19
0001595153	7697-37-2	NITRIC ACID	1	Gram(GM)	19-Mar-19
0001595151	7697-37-2	NITRIC ACID	1	Gram(GM)	19-Mar-19
0001595154	7697-37-2	NITRIC ACID	1	Gram(GM)	19-Mar-19
0001595152	7697-37-2	NITRIC ACID	1	Gram(GM)	19-Mar-19
0001595155	-	Ranco-Sil A	55	Pounds(LB)	19-Mar-19
0001595156	-	Ranco-Sil B	55	Pounds(LB)	19-Mar-19
0001595157	14940-68-2	Zircon Sand	50	Pounds(LB)	19-Mar-19
0001595158	-	Suspendaslurry FS	60	Pounds(LB)	19-Mar-19
0001595159	538-62-5	DIPHENYLCARBAZONE	100	Milliliter(ML)	19-Mar-19
0001595165	538-62-5	DIPHENYLCARBAZONE	100	Milliliter(ML)	19-Mar-19
0001595168	538-62-5	DIPHENYLCARBAZONE	100	Milliliter(ML)	19-Mar-19
0001595166	538-62-5	DIPHENYLCARBAZONE	100	Milliliter(ML)	19-Mar-19
0001595164	538-62-5	DIPHENYLCARBAZONE	100	Milliliter(ML)	19-Mar-19
0001595163	538-62-5	DIPHENYLCARBAZONE	100	Milliliter(ML)	19-Mar-19
0001595162	538-62-5	DIPHENYLCARBAZONE	100	Milliliter(ML)	19-Mar-19
0001595161	538-62-5	DIPHENYLCARBAZONE	100	Milliliter(ML)	19-Mar-19
0001595160	538-62-5	DIPHENYLCARBAZONE	100	Milliliter(ML)	19-Mar-19
0001595167	538-62-5	DIPHENYLCARBAZONE	100	Milliliter(ML)	19-Mar-19
0001595169	-	Dissolved Oxygen 3 Powder Pillows	60	Milliliter(ML)	19-Mar-19
0001595170	-	Dissolved Oxygen 3 Powder Pillows	60	Milliliter(ML)	19-Mar-19
0001595171	-	Dissolved Oxygen 3 Powder Pillows	60	Milliliter(ML)	19-Mar-19
0001595172	-	MOLYBDOVANADATE REAGENT	100	Milliliter(ML)	19-Mar-19
0001595174	-	MOLYBDOVANADATE REAGENT	100	Milliliter(ML)	19-Mar-19
0001595173	-	MOLYBDOVANADATE REAGENT	100	Milliliter(ML)	19-Mar-19
0001595175	-	STARCH INDICATOR	100	Milliliter(ML)	19-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001595177	-	STARCH INDICATOR	100	Milliliter(ML)	19-Mar-19
0001595176	-	STARCH INDICATOR	100	Milliliter(ML)	19-Mar-19
0001595178	-	SaniZide Plus Germicidal Solution	16	Ounces(OZ)	19-Mar-19
0001595188	-	SaniZide Plus Germicidal Solution	16	Ounces(OZ)	19-Mar-19
0001595180	-	SaniZide Plus Germicidal Solution	16	Ounces(OZ)	19-Mar-19
0001595179	-	SaniZide Plus Germicidal Solution	16	Ounces(OZ)	19-Mar-19
0001595181	-	SaniZide Plus Germicidal Solution	16	Ounces(OZ)	19-Mar-19
0001595182	-	SaniZide Plus Germicidal Solution	16	Ounces(OZ)	19-Mar-19
0001595183	-	SaniZide Plus Germicidal Solution	16	Ounces(OZ)	19-Mar-19
0001595185	-	SaniZide Plus Germicidal Solution	16	Ounces(OZ)	19-Mar-19
0001595186	-	SaniZide Plus Germicidal Solution	16	Ounces(OZ)	19-Mar-19
0001595187	-	SaniZide Plus Germicidal Solution	16	Ounces(OZ)	19-Mar-19
0001595189	-	SaniZide Plus Germicidal Solution	16	Ounces(OZ)	19-Mar-19
0001595184	-	SaniZide Plus Germicidal Solution	16	Ounces(OZ)	19-Mar-19
0001595190	7439-89-6	IRON PIECES	500	Gram(GM)	19-Mar-19
0001595216	-	SPINEL POWDER	1	Pounds(LB)	19-Mar-19
0001595227	-	SPINEL POWDER	1	Pounds(LB)	19-Mar-19
0001595228	-	SPINEL POWDER	1	Pounds(LB)	19-Mar-19
0001595229	-	SPINEL POWDER	1	Pounds(LB)	19-Mar-19
0001595231	-	SPINEL POWDER	1	Pounds(LB)	19-Mar-19
0001595233	-	SPINEL POWDER	1	Pounds(LB)	19-Mar-19
0001595235	-	SPINEL POWDER	1	Pounds(LB)	19-Mar-19
0001595226	-	SPINEL POWDER	1	Pounds(LB)	19-Mar-19
0001595230	-	SPINEL POWDER	1	Pounds(LB)	19-Mar-19
0001595234	-	SPINEL POWDER	1	Pounds(LB)	19-Mar-19
0001595220	-	SPINEL POWDER	1	Pounds(LB)	19-Mar-19
0001595225	-	SPINEL POWDER	1	Pounds(LB)	19-Mar-19
0001595219	-	SPINEL POWDER	1	Pounds(LB)	19-Mar-19
0001595232	-	SPINEL POWDER	1	Pounds(LB)	19-Mar-19
0001595221	-	SPINEL POWDER	1	Pounds(LB)	19-Mar-19
0001595217	-	SPINEL POWDER	1	Pounds(LB)	19-Mar-19
0001595222	-	SPINEL POWDER	1	Pounds(LB)	19-Mar-19
0001595223	-	SPINEL POWDER	1	Pounds(LB)	19-Mar-19
0001595224	-	SPINEL POWDER	1	Pounds(LB)	19-Mar-19
0001595218	-	SPINEL POWDER	1	Pounds(LB)	19-Mar-19
0001595338	7647-01-0	HYDROCHLORIC ACID CONCENTRATED (36-37%)	2.5	Liters(L)	19-Mar-19
0001595339	592-41-6	1-HEXENE	100	Milliliter(ML)	19-Mar-19
0001595340	352-93-2	ETHYL SULFIDE	100	Milliliter(ML)	19-Mar-19
0001595341	-	ProtectaClear Protective Coating	4	Ounces(OZ)	19-Mar-19
0001595342	-	ProtectaClear Protective Coating	4	Ounces(OZ)	19-Mar-19
0001595343	-	HYDRANAL COULMAT	500	Milliliter(ML)	19-Mar-19
0001595345	-	HYDRANAL COULMAT	500	Milliliter(ML)	19-Mar-19
0001595344	-	HYDRANAL COULMAT	500	Milliliter(ML)	19-Mar-19
0001595346	13939-06-5	MOLYBDENUM HEXACARBONYL	25	Gram(GM)	19-Mar-19
0001595347	56-81-5	E-GEL	20	Microliter	19-Mar-19
0001595348	56-81-5	E-GEL	20	Microliter	19-Mar-19
0001595349	-	CLEVIOS VP AI 4083	1	Kilograms(KG)	19-Mar-19
0001595350	1072-72-6	Tetrahydro-2H-thiopyran-4-one	25	Gram(GM)	19-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001595351	7803-57-8	HYDRAZINE MONOHYDRATE	100	Gram(GM)	19-Mar-19
0001595352	7440-24-6	STRONTIUM	5	Gram(GM)	19-Mar-19
0001595353	67-56-1	METHANOL HPLC	1	Liters(L)	19-Mar-19
0001595407	-	CG10-Na	52	Pounds(LB)	19-Mar-19
0001595436	-	CG10-Na	52	Pounds(LB)	19-Mar-19
0001595429	-	CG10-Na	52	Pounds(LB)	19-Mar-19
0001595410	-	CG10-Na	52	Pounds(LB)	19-Mar-19
0001595408	-	CG10-Na	52	Pounds(LB)	19-Mar-19
0001595409	-	CG10-Na	52	Pounds(LB)	19-Mar-19
0001595423	-	CG10-Na	52	Pounds(LB)	19-Mar-19
0001595435	-	CG10-Na	52	Pounds(LB)	19-Mar-19
0001595434	-	CG10-Na	52	Pounds(LB)	19-Mar-19
0001595433	-	CG10-Na	52	Pounds(LB)	19-Mar-19
0001595432	-	CG10-Na	52	Pounds(LB)	19-Mar-19
0001595431	-	CG10-Na	52	Pounds(LB)	19-Mar-19
0001595430	-	CG10-Na	52	Pounds(LB)	19-Mar-19
0001595417	-	CG10-Na	52	Pounds(LB)	19-Mar-19
0001595428	-	CG10-Na	52	Pounds(LB)	19-Mar-19
0001595426	-	CG10-Na	52	Pounds(LB)	19-Mar-19
0001595427	-	CG10-Na	52	Pounds(LB)	19-Mar-19
0001595424	-	CG10-Na	52	Pounds(LB)	19-Mar-19
0001595411	-	CG10-Na	52	Pounds(LB)	19-Mar-19
0001595422	-	CG10-Na	52	Pounds(LB)	19-Mar-19
0001595421	-	CG10-Na	52	Pounds(LB)	19-Mar-19
0001595420	-	CG10-Na	52	Pounds(LB)	19-Mar-19
0001595419	-	CG10-Na	52	Pounds(LB)	19-Mar-19
0001595418	-	CG10-Na	52	Pounds(LB)	19-Mar-19
0001595416	-	CG10-Na	52	Pounds(LB)	19-Mar-19
0001595414	-	CG10-Na	52	Pounds(LB)	19-Mar-19
0001595413	-	CG10-Na	52	Pounds(LB)	19-Mar-19
0001595412	-	CG10-Na	52	Pounds(LB)	19-Mar-19
0001595425	-	CG10-Na	52	Pounds(LB)	19-Mar-19
0001595415	-	CG10-Na	52	Pounds(LB)	19-Mar-19
V00000264D	-	SHEETROCK LIGHTWEIGHT ALL PURPOSE JOINT	4.5	Gallon(GAL)	19-Mar-19
V00000264C	-	SHEETROCK LIGHTWEIGHT ALL PURPOSE JOINT	4.5	Gallon(GAL)	19-Mar-19
V00000264B	-	SHEETROCK LIGHTWEIGHT ALL PURPOSE JOINT	4.5	Gallon(GAL)	19-Mar-19
V00000264A	-	SHEETROCK LIGHTWEIGHT ALL PURPOSE JOINT	4.5	Gallon(GAL)	19-Mar-19
V000002649	-	SHEETROCK LIGHTWEIGHT ALL PURPOSE JOINT	4.5	Gallon(GAL)	19-Mar-19
0001594613	7440-70-2	CALCIUM	5	Gram(GM)	19-Mar-19
0001594884	811-97-2	DUSTER ES1017	10	Ounces(OZ)	19-Mar-19
0001594894	811-97-2	DUSTER ES1017	10	Ounces(OZ)	19-Mar-19
0001594885	811-97-2	DUSTER ES1017	10	Ounces(OZ)	19-Mar-19
0001594886	811-97-2	DUSTER ES1017	10	Ounces(OZ)	19-Mar-19
0001594887	811-97-2	DUSTER ES1017	10	Ounces(OZ)	19-Mar-19
0001594888	811-97-2	DUSTER ES1017	10	Ounces(OZ)	19-Mar-19
0001594889	811-97-2	DUSTER ES1017	10	Ounces(OZ)	19-Mar-19
0001594890	811-97-2	DUSTER ES1017	10	Ounces(OZ)	19-Mar-19
0001594891	811-97-2	DUSTER ES1017	10	Ounces(OZ)	19-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001594893	811-97-2	DUSTER ES1017	10	Ounces(OZ)	19-Mar-19
0001594895	811-97-2	DUSTER ES1017	10	Ounces(OZ)	19-Mar-19
0001594892	811-97-2	DUSTER ES1017	10	Ounces(OZ)	19-Mar-19
0001595354	-	Clear Resin	1	Liters(L)	19-Mar-19
0001595355	7440-62-2	VANADIUM POWDER	5	Gram(GM)	19-Mar-19
0001595356	-	Reprorubber Putty	1.75	Pounds(LB)	19-Mar-19
0001595357	109-66-0	PENTANE	1	Liters(L)	19-Mar-19
0001595358	109-66-0	PENTANE	1	Liters(L)	19-Mar-19
0001595359	300-85-6	3-Hydroxybutyric acid	1	Gram(GM)	19-Mar-19
0001595360	623-43-8	METHYL CROTONATE	5	Milliliter(ML)	19-Mar-19
0001595361	14040-11-0	tungsten hexacarbonyl	25	Gram(GM)	19-Mar-19
0001595362	29957-59-3	BORON TRIBROMIDE-METHYL SULFIDE COMPLEX	25	Gram(GM)	19-Mar-19
0001595363	1314-23-4	ZIRCONIUM(IV) OXIDE	500	Gram(GM)	19-Mar-19
0001595364	534-22-5	2-METHYLFURAN	250	Milliliter(ML)	19-Mar-19
0001595365	534-22-5	2-METHYLFURAN	250	Milliliter(ML)	19-Mar-19
0001595366	65-85-0	BENZOIC ACID	500	Milligram(MG)	19-Mar-19
0001502649	-	Clorox Regular-Bleach	1	Gallon(GAL)	19-Mar-19
0001502662	-	Clorox Regular-Bleach	1	Gallon(GAL)	19-Mar-19
0001502654	-	Clorox Regular-Bleach	1	Gallon(GAL)	19-Mar-19
0001502655	-	Clorox Regular-Bleach	1	Gallon(GAL)	19-Mar-19
0001502656	-	Clorox Regular-Bleach	1	Gallon(GAL)	19-Mar-19
0001502657	-	Clorox Regular-Bleach	1	Gallon(GAL)	19-Mar-19
0001502658	-	Clorox Regular-Bleach	1	Gallon(GAL)	19-Mar-19
0001502670	-	Clorox Regular-Bleach	1	Gallon(GAL)	19-Mar-19
0001502660	-	Clorox Regular-Bleach	1	Gallon(GAL)	19-Mar-19
0001502651	-	Clorox Regular-Bleach	1	Gallon(GAL)	19-Mar-19
0001502664	-	Clorox Regular-Bleach	1	Gallon(GAL)	19-Mar-19
0001502665	-	Clorox Regular-Bleach	1	Gallon(GAL)	19-Mar-19
0001502666	-	Clorox Regular-Bleach	1	Gallon(GAL)	19-Mar-19
0001502667	-	Clorox Regular-Bleach	1	Gallon(GAL)	19-Mar-19
0001502668	-	Clorox Regular-Bleach	1	Gallon(GAL)	19-Mar-19
0001502669	-	Clorox Regular-Bleach	1	Gallon(GAL)	19-Mar-19
0001502659	-	Clorox Regular-Bleach	1	Gallon(GAL)	19-Mar-19
0001502679	-	Clorox Regular-Bleach	1	Gallon(GAL)	19-Mar-19
0001502674	-	Clorox Regular-Bleach	1	Gallon(GAL)	19-Mar-19
0001502685	-	Clorox Regular-Bleach	1	Gallon(GAL)	19-Mar-19
0001502684	-	Clorox Regular-Bleach	1	Gallon(GAL)	19-Mar-19
0001502683	-	Clorox Regular-Bleach	1	Gallon(GAL)	19-Mar-19
0001502682	-	Clorox Regular-Bleach	1	Gallon(GAL)	19-Mar-19
0001502653	-	Clorox Regular-Bleach	1	Gallon(GAL)	19-Mar-19
0001502680	-	Clorox Regular-Bleach	1	Gallon(GAL)	19-Mar-19
0001502652	-	Clorox Regular-Bleach	1	Gallon(GAL)	19-Mar-19
0001502678	-	Clorox Regular-Bleach	1	Gallon(GAL)	19-Mar-19
0001502677	-	Clorox Regular-Bleach	1	Gallon(GAL)	19-Mar-19
0001502676	-	Clorox Regular-Bleach	1	Gallon(GAL)	19-Mar-19
0001502675	-	Clorox Regular-Bleach	1	Gallon(GAL)	19-Mar-19
0001502650	-	Clorox Regular-Bleach	1	Gallon(GAL)	19-Mar-19
0001502663	-	Clorox Regular-Bleach	1	Gallon(GAL)	19-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001502681	-	Clorox Regular-Bleach	1	Gallon(GAL)	19-Mar-19
0001502672	-	Clorox Regular-Bleach	1	Gallon(GAL)	19-Mar-19
0001502673	-	Clorox Regular-Bleach	1	Gallon(GAL)	19-Mar-19
0001502686	-	Clorox Regular-Bleach	1	Gallon(GAL)	19-Mar-19
0001502690	-	Clorox Regular-Bleach	1	Gallon(GAL)	19-Mar-19
0001502689	-	Clorox Regular-Bleach	1	Gallon(GAL)	19-Mar-19
0001502688	-	Clorox Regular-Bleach	1	Gallon(GAL)	19-Mar-19
0001502687	-	Clorox Regular-Bleach	1	Gallon(GAL)	19-Mar-19
0001502661	-	Clorox Regular-Bleach	1	Gallon(GAL)	19-Mar-19
0001502671	-	Clorox Regular-Bleach	1	Gallon(GAL)	19-Mar-19
0001502408	-	Alex Plus Acrylic Latex Caulk Plus Silicone - All	10.1	Ounces(OZ)	19-Mar-19
0001502417	-	Alex Plus Acrylic Latex Caulk Plus Silicone - All	10.1	Ounces(OZ)	19-Mar-19
0001502416	-	Alex Plus Acrylic Latex Caulk Plus Silicone - All	10.1	Ounces(OZ)	19-Mar-19
0001502415	-	Alex Plus Acrylic Latex Caulk Plus Silicone - All	10.1	Ounces(OZ)	19-Mar-19
0001502414	-	Alex Plus Acrylic Latex Caulk Plus Silicone - All	10.1	Ounces(OZ)	19-Mar-19
0001502412	-	Alex Plus Acrylic Latex Caulk Plus Silicone - All	10.1	Ounces(OZ)	19-Mar-19
0001502418	-	Alex Plus Acrylic Latex Caulk Plus Silicone - All	10.1	Ounces(OZ)	19-Mar-19
0001502409	-	Alex Plus Acrylic Latex Caulk Plus Silicone - All	10.1	Ounces(OZ)	19-Mar-19
0001502413	-	Alex Plus Acrylic Latex Caulk Plus Silicone - All	10.1	Ounces(OZ)	19-Mar-19
0001502410	-	Alex Plus Acrylic Latex Caulk Plus Silicone - All	10.1	Ounces(OZ)	19-Mar-19
0001502429	-	Alex Plus Acrylic Latex Caulk Plus Silicone - All	10.1	Ounces(OZ)	19-Mar-19
0001502411	-	Alex Plus Acrylic Latex Caulk Plus Silicone - All	10.1	Ounces(OZ)	19-Mar-19
0001502419	-	Alex Plus Acrylic Latex Caulk Plus Silicone - All	10.1	Ounces(OZ)	19-Mar-19
0001502431	-	Alex Plus Acrylic Latex Caulk Plus Silicone - All	10.1	Ounces(OZ)	19-Mar-19
0001502430	-	Alex Plus Acrylic Latex Caulk Plus Silicone - All	10.1	Ounces(OZ)	19-Mar-19
0001502428	-	Alex Plus Acrylic Latex Caulk Plus Silicone - All	10.1	Ounces(OZ)	19-Mar-19
0001502427	-	Alex Plus Acrylic Latex Caulk Plus Silicone - All	10.1	Ounces(OZ)	19-Mar-19
0001502422	-	Alex Plus Acrylic Latex Caulk Plus Silicone - All	10.1	Ounces(OZ)	19-Mar-19
0001502420	-	Alex Plus Acrylic Latex Caulk Plus Silicone - All	10.1	Ounces(OZ)	19-Mar-19
0001502421	-	Alex Plus Acrylic Latex Caulk Plus Silicone - All	10.1	Ounces(OZ)	19-Mar-19
0001502426	-	Alex Plus Acrylic Latex Caulk Plus Silicone - All	10.1	Ounces(OZ)	19-Mar-19
0001502423	-	Alex Plus Acrylic Latex Caulk Plus Silicone - All	10.1	Ounces(OZ)	19-Mar-19
0001502424	-	Alex Plus Acrylic Latex Caulk Plus Silicone - All	10.1	Ounces(OZ)	19-Mar-19
0001502425	-	Alex Plus Acrylic Latex Caulk Plus Silicone - All	10.1	Ounces(OZ)	19-Mar-19
0001502447	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502518	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502510	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502503	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502504	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502506	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502507	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502508	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502509	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502505	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502511	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502512	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502513	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502514	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001502515	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502517	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502486	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502502	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502516	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502459	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502472	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502471	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502470	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502469	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502468	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502467	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502466	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502465	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502464	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502463	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502462	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502488	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502460	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502475	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502458	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502457	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502456	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502455	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502454	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502453	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502452	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502451	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502450	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502449	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502448	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502461	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502487	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502500	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502499	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502498	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502497	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502496	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502495	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502494	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502493	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502492	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502491	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502490	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502473	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502489	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502474	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502485	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001502484	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502483	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502482	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502481	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502480	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502479	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502478	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502477	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502476	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001502501	-	Lysol Disinfectant Cleaner	12.5	Ounces(OZ)	19-Mar-19
0001595368	513-77-9	BARIUM CARBONATE	500	Milligram(MG)	19-Mar-19
0001595369	10294-26-5	SILVER SULFATE	500	Milligram(MG)	19-Mar-19
0001502565	-	3M SUPER 77 SPRAY ADHESIVE	16.75	Ounces(OZ)	19-Mar-19
0001502566	-	3M SUPER 77 SPRAY ADHESIVE	16.75	Ounces(OZ)	19-Mar-19
0001502575	-	3M SUPER 77 SPRAY ADHESIVE	16.75	Ounces(OZ)	19-Mar-19
0001502574	-	3M SUPER 77 SPRAY ADHESIVE	16.75	Ounces(OZ)	19-Mar-19
0001502573	-	3M SUPER 77 SPRAY ADHESIVE	16.75	Ounces(OZ)	19-Mar-19
0001502572	-	3M SUPER 77 SPRAY ADHESIVE	16.75	Ounces(OZ)	19-Mar-19
0001502571	-	3M SUPER 77 SPRAY ADHESIVE	16.75	Ounces(OZ)	19-Mar-19
0001502570	-	3M SUPER 77 SPRAY ADHESIVE	16.75	Ounces(OZ)	19-Mar-19
0001502569	-	3M SUPER 77 SPRAY ADHESIVE	16.75	Ounces(OZ)	19-Mar-19
0001502568	-	3M SUPER 77 SPRAY ADHESIVE	16.75	Ounces(OZ)	19-Mar-19
0001502567	-	3M SUPER 77 SPRAY ADHESIVE	16.75	Ounces(OZ)	19-Mar-19
0001502576	-	3M SUPER 77 SPRAY ADHESIVE	16.75	Ounces(OZ)	19-Mar-19
0001595370	3430-14-6	5-Aminopicoline	25	Gram(GM)	19-Mar-19
0001595437	-	Franklin Cleaning Technology OFFense Floor	1	Gallon(GAL)	19-Mar-19
0001595443	-	Franklin Cleaning Technology OFFense Floor	1	Gallon(GAL)	19-Mar-19
0001595438	-	Franklin Cleaning Technology OFFense Floor	1	Gallon(GAL)	19-Mar-19
0001595439	-	Franklin Cleaning Technology OFFense Floor	1	Gallon(GAL)	19-Mar-19
0001595440	-	Franklin Cleaning Technology OFFense Floor	1	Gallon(GAL)	19-Mar-19
0001595441	-	Franklin Cleaning Technology OFFense Floor	1	Gallon(GAL)	19-Mar-19
0001595442	-	Franklin Cleaning Technology OFFense Floor	1	Gallon(GAL)	19-Mar-19
0001595444	-	Franklin Cleaning Technology OFFense Floor	1	Gallon(GAL)	19-Mar-19
0001595479	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595514	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595505	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595506	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595507	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595508	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595509	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595510	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595525	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595503	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595504	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595513	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595511	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595515	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595516	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001595517	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595518	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595519	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595520	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595521	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595522	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595523	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595524	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595512	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595491	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595502	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595501	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595500	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595499	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595498	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595497	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595496	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595495	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595494	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595492	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595526	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595490	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595489	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595488	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595483	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595480	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595493	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595482	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595484	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595485	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595486	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595487	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595481	7697-37-2	NITRIC ACID	2.5	Liters(L)	19-Mar-19
0001595141	-	STYCAST 2850 FT BLACK	1	Quarts(QT)	19-Mar-19
0001055655	-	732 SEALANT	300	Milliliter(ML)	20-Mar-19
0001055656	-	732 SEALANT	300	Milliliter(ML)	20-Mar-19
0001055657	-	732 SEALANT	300	Milliliter(ML)	20-Mar-19
0001055658	-	732 SEALANT	300	Milliliter(ML)	20-Mar-19
0001502335	-	Fast N Final Lightweight Spackling	32	Ounces(OZ)	20-Mar-19
0001502336	-	Fast N Final Lightweight Spackling	32	Ounces(OZ)	20-Mar-19
0001502337	-	Fast N Final Lightweight Spackling	32	Ounces(OZ)	20-Mar-19
0001055664	-	OBJET VEROCLEAR RGD810	3.6	Kilograms(KG)	20-Mar-19
0001055667	-	OBJET VEROGRAY RGD850	1	Kilograms(KG)	20-Mar-19
0001055668	-	OBJET VEROBLACKPLUS RGD875	1	Kilograms(KG)	20-Mar-19
0001055673	-	RIGUR RGD450	3.6	Kilograms(KG)	20-Mar-19
0001502394	-	OM Masters Armor Semi-Gloss	1	Gallon(GAL)	20-Mar-19
0001502397	-	OM Masters Armor Semi-Gloss	1	Gallon(GAL)	20-Mar-19
0001502396	-	OM Masters Armor Semi-Gloss	1	Gallon(GAL)	20-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001502395	-	OM Masters Armor Semi-Gloss	1	Gallon(GAL)	20-Mar-19
0001055678	-	OBJET Support SUP706	1	Kilograms(KG)	20-Mar-19
0001055677	-	OBJET Support SUP706	1	Kilograms(KG)	20-Mar-19
0001055676	-	OBJET Support SUP706	1	Kilograms(KG)	20-Mar-19
0001502161	-	Cote All Gloss Jet Black	128	Ounces(OZ)	20-Mar-19
0001502162	-	Cote All Gloss Jet Black	128	Ounces(OZ)	20-Mar-19
0001502164	-	Cote All Gloss Jet Black	128	Ounces(OZ)	20-Mar-19
0001502163	-	Cote All Gloss Jet Black	128	Ounces(OZ)	20-Mar-19
0001502165	-	Cote All J.D. (Safety) Yellow AZ-3433	128	Ounces(OZ)	20-Mar-19
0001502169	-	Cote All J.D. (Safety) Yellow AZ-3433	128	Ounces(OZ)	20-Mar-19
0001502168	-	Cote All J.D. (Safety) Yellow AZ-3433	128	Ounces(OZ)	20-Mar-19
0001502166	-	Cote All J.D. (Safety) Yellow AZ-3433	128	Ounces(OZ)	20-Mar-19
0001502167	-	Cote All J.D. (Safety) Yellow AZ-3433	128	Ounces(OZ)	20-Mar-19
0001055661	-	OBJET SUPPORT SUP705	3.6	Kilograms(KG)	20-Mar-19
0001055660	-	OBJET SUPPORT SUP705	3.6	Kilograms(KG)	20-Mar-19
0001055659	-	OBJET SUPPORT SUP705	3.6	Kilograms(KG)	20-Mar-19
0001055662	-	OBJET SUPPORT SUP705	3.6	Kilograms(KG)	20-Mar-19
0001055665	-	VEROWHITEPLUS RGD835	3.6	Kilograms(KG)	20-Mar-19
0001055666	-	VERO YELLOW RGD836	3.6	Kilograms(KG)	20-Mar-19
0001055670	5888-33-5	OBJET RGD515	3.6	Kilograms(KG)	20-Mar-19
0001055672	-	DIGITAL ABS RGD531	3.6	Kilograms(KG)	20-Mar-19
0001055675	5888-33-5	OBJET RGD515	3.6	Kilograms(KG)	20-Mar-19
0001055671	-	OBJET SUPPORT SUP705	3.6	Kilograms(KG)	20-Mar-19
0001055663	-	RGD720 Transparent Resin	3.6	Kilograms(KG)	20-Mar-19
0001055674	-	VEROCYAN RGD843	3.6	Kilograms(KG)	20-Mar-19
0001594614	-	Calcium Colorimetric Assay	500	Milliliter(ML)	20-Mar-19
0001594896	7697-37-2	NITRIC ACID FUMING	400	Milliliter(ML)	20-Mar-19
0001594897	7697-37-2	NITRIC ACID FUMING	400	Milliliter(ML)	20-Mar-19
0001594898	7697-37-2	NITRIC ACID FUMING	400	Milliliter(ML)	20-Mar-19
0001594899	7697-37-2	NITRIC ACID FUMING	400	Milliliter(ML)	20-Mar-19
0001594900	7697-37-2	NITRIC ACID FUMING	400	Milliliter(ML)	20-Mar-19
0001594901	-	Oxalic Acid Colorimetric Assay Kit	200	Gram(GM)	20-Mar-19
0001594902	-	Oxalic Acid Colorimetric Assay Kit	200	Gram(GM)	20-Mar-19
0001595236	-	SYLGARD 184	0.5	Kilograms(KG)	20-Mar-19
0001595245	-	SYLGARD 184	0.5	Kilograms(KG)	20-Mar-19
0001595244	-	SYLGARD 184	0.5	Kilograms(KG)	20-Mar-19
0001595243	-	SYLGARD 184	0.5	Kilograms(KG)	20-Mar-19
0001595242	-	SYLGARD 184	0.5	Kilograms(KG)	20-Mar-19
0001595241	-	SYLGARD 184	0.5	Kilograms(KG)	20-Mar-19
0001595240	-	SYLGARD 184	0.5	Kilograms(KG)	20-Mar-19
0001595239	-	SYLGARD 184	0.5	Kilograms(KG)	20-Mar-19
0001595237	-	SYLGARD 184	0.5	Kilograms(KG)	20-Mar-19
0001595238	-	SYLGARD 184	0.5	Kilograms(KG)	20-Mar-19
0001595246	109-72-8	N-BUTYLLITHIUM	25	Milliliter(ML)	20-Mar-19
0001595247	109-72-8	N-BUTYLLITHIUM	25	Milliliter(ML)	20-Mar-19
0001595248	109-72-8	N-BUTYLLITHIUM	25	Milliliter(ML)	20-Mar-19
0001595249	109-72-8	N-BUTYLLITHIUM	25	Milliliter(ML)	20-Mar-19
0001595250	917-54-4	METHYLLITHIUM	100	Milliliter(ML)	20-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001595251	Multi	Sylguard DC 186	1.1	Pounds(LB)	20-Mar-19
0001595252	Multi	Sylguard DC 186	1.1	Pounds(LB)	20-Mar-19
0001595253	Multi	Sylguard DC 186	1.1	Pounds(LB)	20-Mar-19
0001595254	25085-99-8	EPO-TEK 301	1	Pounds(LB)	20-Mar-19
0001595255	112-02-7	HEXADECYLTRIMETHYLAMMONIUM CHLORIDE	10	Gram(GM)	20-Mar-19
0001502338	-	Fast N Final Lightweight Spackling	32	Ounces(OZ)	20-Mar-19
0001502349	-	Fast N Final Lightweight Spackling	32	Ounces(OZ)	20-Mar-19
0001502339	-	Fast N Final Lightweight Spackling	32	Ounces(OZ)	20-Mar-19
0001502340	-	Fast N Final Lightweight Spackling	32	Ounces(OZ)	20-Mar-19
0001502342	-	Fast N Final Lightweight Spackling	32	Ounces(OZ)	20-Mar-19
0001502344	-	Fast N Final Lightweight Spackling	32	Ounces(OZ)	20-Mar-19
0001502345	-	Fast N Final Lightweight Spackling	32	Ounces(OZ)	20-Mar-19
0001502346	-	Fast N Final Lightweight Spackling	32	Ounces(OZ)	20-Mar-19
0001502348	-	Fast N Final Lightweight Spackling	32	Ounces(OZ)	20-Mar-19
0001502341	-	Fast N Final Lightweight Spackling	32	Ounces(OZ)	20-Mar-19
0001502347	-	Fast N Final Lightweight Spackling	32	Ounces(OZ)	20-Mar-19
0001502343	-	Fast N Final Lightweight Spackling	32	Ounces(OZ)	20-Mar-19
0001502613	-	LW SIL2 METAL METALLIC GRAY 12C	10.1	Ounces(OZ)	20-Mar-19
0001502626	-	LW SIL2 METAL METALLIC GRAY 12C	10.1	Ounces(OZ)	20-Mar-19
0001502636	-	LW SIL2 METAL METALLIC GRAY 12C	10.1	Ounces(OZ)	20-Mar-19
0001502635	-	LW SIL2 METAL METALLIC GRAY 12C	10.1	Ounces(OZ)	20-Mar-19
0001502634	-	LW SIL2 METAL METALLIC GRAY 12C	10.1	Ounces(OZ)	20-Mar-19
0001502633	-	LW SIL2 METAL METALLIC GRAY 12C	10.1	Ounces(OZ)	20-Mar-19
0001502632	-	LW SIL2 METAL METALLIC GRAY 12C	10.1	Ounces(OZ)	20-Mar-19
0001502631	-	LW SIL2 METAL METALLIC GRAY 12C	10.1	Ounces(OZ)	20-Mar-19
0001502630	-	LW SIL2 METAL METALLIC GRAY 12C	10.1	Ounces(OZ)	20-Mar-19
0001502629	-	LW SIL2 METAL METALLIC GRAY 12C	10.1	Ounces(OZ)	20-Mar-19
0001502627	-	LW SIL2 METAL METALLIC GRAY 12C	10.1	Ounces(OZ)	20-Mar-19
0001502625	-	LW SIL2 METAL METALLIC GRAY 12C	10.1	Ounces(OZ)	20-Mar-19
0001502617	-	LW SIL2 METAL METALLIC GRAY 12C	10.1	Ounces(OZ)	20-Mar-19
0001502614	-	LW SIL2 METAL METALLIC GRAY 12C	10.1	Ounces(OZ)	20-Mar-19
0001502628	-	LW SIL2 METAL METALLIC GRAY 12C	10.1	Ounces(OZ)	20-Mar-19
0001502616	-	LW SIL2 METAL METALLIC GRAY 12C	10.1	Ounces(OZ)	20-Mar-19
0001502624	-	LW SIL2 METAL METALLIC GRAY 12C	10.1	Ounces(OZ)	20-Mar-19
0001502618	-	LW SIL2 METAL METALLIC GRAY 12C	10.1	Ounces(OZ)	20-Mar-19
0001502619	-	LW SIL2 METAL METALLIC GRAY 12C	10.1	Ounces(OZ)	20-Mar-19
0001502620	-	LW SIL2 METAL METALLIC GRAY 12C	10.1	Ounces(OZ)	20-Mar-19
0001502621	-	LW SIL2 METAL METALLIC GRAY 12C	10.1	Ounces(OZ)	20-Mar-19
0001502622	-	LW SIL2 METAL METALLIC GRAY 12C	10.1	Ounces(OZ)	20-Mar-19
0001502623	-	LW SIL2 METAL METALLIC GRAY 12C	10.1	Ounces(OZ)	20-Mar-19
0001502615	-	LW SIL2 METAL METALLIC GRAY 12C	10.1	Ounces(OZ)	20-Mar-19
0001458242	57-13-6	UREA	4	Pounds(LB)	20-Mar-19
0001458243	57-13-6	UREA	4	Pounds(LB)	20-Mar-19
0001458245	57-13-6	UREA	4	Pounds(LB)	20-Mar-19
0001458246	57-13-6	UREA	4	Pounds(LB)	20-Mar-19
0001574253	-	GLOSS OSHA SAFETY YELLOW	11	Ounces(OZ)	21-Mar-19
0001574255	-	GLOSS OSHA SAFETY YELLOW	11	Ounces(OZ)	21-Mar-19
0001574256	-	GLOSS OSHA SAFETY YELLOW	11	Ounces(OZ)	21-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001574257	-	GLOSS OSHA SAFETY YELLOW	11	Ounces(OZ)	21-Mar-19
0001574254	-	GLOSS OSHA SAFETY YELLOW	11	Ounces(OZ)	21-Mar-19
0001574258	-	GLOSS OSHA SAFETY YELLOW	11	Ounces(OZ)	21-Mar-19
0001595371	7647-01-0	HYDROCHLORIC ACID 37.5%	500	Milliliter(ML)	21-Mar-19
0001595372	507-28-8	TETRAPHENYLARSONIUM CHLORIDE HYDRATE	2.5	Gram(GM)	21-Mar-19
0001595373	4410-99-5	2-Phenylethanethiol	10	Gram(GM)	21-Mar-19
0001595374	58-86-6	D-XYLOSE	500	Gram(GM)	21-Mar-19
0001564562	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564563	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564565	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564564	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564585	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564586	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564587	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564588	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564590	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564592	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564593	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564594	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564589	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564596	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564584	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564597	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564598	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564599	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564600	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564601	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564595	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564566	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564568	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564569	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564570	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564571	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564572	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564573	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564574	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564583	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564576	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564567	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564577	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564591	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564578	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564579	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564580	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564581	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564582	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564575	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564602	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	21-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001564604	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	21-Mar-19
0001564605	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	21-Mar-19
0001564606	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	21-Mar-19
0001564603	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	21-Mar-19
0001564607	-	Nitrogen UHP	220	Cubic Feet(CF)	21-Mar-19
0001564635	-	Nitrogen UHP	220	Cubic Feet(CF)	21-Mar-19
0001564624	-	Nitrogen UHP	220	Cubic Feet(CF)	21-Mar-19
0001564630	-	Nitrogen UHP	220	Cubic Feet(CF)	21-Mar-19
0001564631	-	Nitrogen UHP	220	Cubic Feet(CF)	21-Mar-19
0001564617	-	Nitrogen UHP	220	Cubic Feet(CF)	21-Mar-19
0001564625	-	Nitrogen UHP	220	Cubic Feet(CF)	21-Mar-19
0001564626	-	Nitrogen UHP	220	Cubic Feet(CF)	21-Mar-19
0001564627	-	Nitrogen UHP	220	Cubic Feet(CF)	21-Mar-19
0001564636	-	Nitrogen UHP	220	Cubic Feet(CF)	21-Mar-19
0001564634	-	Nitrogen UHP	220	Cubic Feet(CF)	21-Mar-19
0001564633	-	Nitrogen UHP	220	Cubic Feet(CF)	21-Mar-19
0001564632	-	Nitrogen UHP	220	Cubic Feet(CF)	21-Mar-19
0001564623	-	Nitrogen UHP	220	Cubic Feet(CF)	21-Mar-19
0001564628	-	Nitrogen UHP	220	Cubic Feet(CF)	21-Mar-19
0001564608	-	Nitrogen UHP	220	Cubic Feet(CF)	21-Mar-19
0001564619	-	Nitrogen UHP	220	Cubic Feet(CF)	21-Mar-19
0001564622	-	Nitrogen UHP	220	Cubic Feet(CF)	21-Mar-19
0001564612	-	Nitrogen UHP	220	Cubic Feet(CF)	21-Mar-19
0001564611	-	Nitrogen UHP	220	Cubic Feet(CF)	21-Mar-19
0001564609	-	Nitrogen UHP	220	Cubic Feet(CF)	21-Mar-19
0001564629	-	Nitrogen UHP	220	Cubic Feet(CF)	21-Mar-19
0001564613	-	Nitrogen UHP	220	Cubic Feet(CF)	21-Mar-19
0001564614	-	Nitrogen UHP	220	Cubic Feet(CF)	21-Mar-19
0001564615	-	Nitrogen UHP	220	Cubic Feet(CF)	21-Mar-19
0001564616	-	Nitrogen UHP	220	Cubic Feet(CF)	21-Mar-19
0001564618	-	Nitrogen UHP	220	Cubic Feet(CF)	21-Mar-19
0001564620	-	Nitrogen UHP	220	Cubic Feet(CF)	21-Mar-19
0001564621	-	Nitrogen UHP	220	Cubic Feet(CF)	21-Mar-19
0001564610	-	Nitrogen UHP	220	Cubic Feet(CF)	21-Mar-19
0001564637	-	AIR COMPRESSED	220	Cubic Feet(CF)	21-Mar-19
0001564645	-	AIR COMPRESSED	220	Cubic Feet(CF)	21-Mar-19
0001564640	-	AIR COMPRESSED	220	Cubic Feet(CF)	21-Mar-19
0001564638	-	AIR COMPRESSED	220	Cubic Feet(CF)	21-Mar-19
0001564639	-	AIR COMPRESSED	220	Cubic Feet(CF)	21-Mar-19
0001564641	-	AIR COMPRESSED	220	Cubic Feet(CF)	21-Mar-19
0001564642	-	AIR COMPRESSED	220	Cubic Feet(CF)	21-Mar-19
0001564644	-	AIR COMPRESSED	220	Cubic Feet(CF)	21-Mar-19
0001564646	-	AIR COMPRESSED	220	Cubic Feet(CF)	21-Mar-19
0001564647	-	AIR COMPRESSED	220	Cubic Feet(CF)	21-Mar-19
0001564648	-	AIR COMPRESSED	220	Cubic Feet(CF)	21-Mar-19
0001564649	-	AIR COMPRESSED	220	Cubic Feet(CF)	21-Mar-19
0001564650	-	AIR COMPRESSED	220	Cubic Feet(CF)	21-Mar-19
0001564651	-	AIR COMPRESSED	220	Cubic Feet(CF)	21-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001564643	-	AIR COMPRESSED	220	Cubic Feet(CF)	21-Mar-19
0001564652	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	21-Mar-19
0001564659	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	21-Mar-19
0001564669	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	21-Mar-19
0001564682	-	95% NITROGEN/5% HYDROGEN	220	Cubic Feet(CF)	21-Mar-19
0001564681	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	21-Mar-19
0001564680	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	21-Mar-19
0001564679	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	21-Mar-19
0001564678	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	21-Mar-19
0001564677	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	21-Mar-19
0001564676	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	21-Mar-19
0001564675	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	21-Mar-19
0001564674	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	21-Mar-19
0001564673	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	21-Mar-19
0001564672	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	21-Mar-19
0001564653	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	21-Mar-19
0001564670	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	21-Mar-19
0001564661	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	21-Mar-19
0001564654	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	21-Mar-19
0001564655	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	21-Mar-19
0001564656	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	21-Mar-19
0001564658	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	21-Mar-19
0001564671	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	21-Mar-19
0001564660	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	21-Mar-19
0001564668	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	21-Mar-19
0001564662	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	21-Mar-19
0001564663	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	21-Mar-19
0001564664	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	21-Mar-19
0001564665	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	21-Mar-19
0001564666	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	21-Mar-19
0001564667	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	21-Mar-19
0001564657	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	21-Mar-19
0001595375	7647-01-0	HYDROCHLORIC ACID (HCL HYDROGEN	500	Milliliter(ML)	21-Mar-19
0001564683	-	95% NITROGEN/5% HYDROGEN	220	Cubic Feet(CF)	21-Mar-19
0001564686	-	95% NITROGEN/5% HYDROGEN	220	Cubic Feet(CF)	21-Mar-19
0001564687	-	95% NITROGEN/5% HYDROGEN	220	Cubic Feet(CF)	21-Mar-19
0001564684	-	95% NITROGEN/5% HYDROGEN	220	Cubic Feet(CF)	21-Mar-19
0001564685	-	95% NITROGEN/5% HYDROGEN	220	Cubic Feet(CF)	21-Mar-19
0001595376	-	BISMUTH STANDARD	125	Milliliter(ML)	21-Mar-19
0001595377	7440-42-8	BORON STANDARD	125	Milliliter(ML)	21-Mar-19
0001595378	-	INDIUM STANDARD	125	Milliliter(ML)	21-Mar-19
0001595379	-	OPTIMA 3000 STANDARD UV WAVECAL	500	Milliliter(ML)	21-Mar-19
0001595380	-	OptiShield Plus Corrosion Inhibitor	1	Gallon(GAL)	21-Mar-19
0001595381	-	OptiShield Plus Corrosion Inhibitor	1	Gallon(GAL)	21-Mar-19
0001595382	-	SYLGARD 184	1.1	Pounds(LB)	21-Mar-19
0001595384	-	SYLGARD 184	1.1	Pounds(LB)	21-Mar-19
0001595383	-	SYLGARD 184	1.1	Pounds(LB)	21-Mar-19
0001595385	-	GOLD STANDARD	125	Milliliter(ML)	21-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001595386	-	SILVER STANDARD	30	Milliliter(ML)	21-Mar-19
0001595387	-	ANTI-SEIZE LUBRICANT	4	Ounces(OZ)	21-Mar-19
0001595388	111-65-9	OCTANE (OCTANE ANHYDROUS)	1	Liters(L)	21-Mar-19
0001564688	-	21% OXYGEN/BAL. HELIUM	220	Cubic Feet(CF)	21-Mar-19
0001564689	-	21% OXYGEN/BAL. HELIUM	220	Cubic Feet(CF)	21-Mar-19
0001564690	-	21% OXYGEN/BAL. HELIUM	220	Cubic Feet(CF)	21-Mar-19
0001595389	7447-40-7	POTASSIUM CHLORIDE	500	Gram(GM)	21-Mar-19
0001595390	126-73-8	TRIBUTYL PHOSPHATE	100	Milliliter(ML)	21-Mar-19
0001595391	126-73-8	TRIBUTYL PHOSPHATE	100	Milliliter(ML)	21-Mar-19
0001595445	-	RUBBER CEMENT	4	Ounces(OZ)	21-Mar-19
0001595454	-	RUBBER CEMENT	4	Ounces(OZ)	21-Mar-19
0001595453	-	RUBBER CEMENT	4	Ounces(OZ)	21-Mar-19
0001595452	-	RUBBER CEMENT	4	Ounces(OZ)	21-Mar-19
0001595451	-	RUBBER CEMENT	4	Ounces(OZ)	21-Mar-19
0001595450	-	RUBBER CEMENT	4	Ounces(OZ)	21-Mar-19
0001595449	-	RUBBER CEMENT	4	Ounces(OZ)	21-Mar-19
0001595446	-	RUBBER CEMENT	4	Ounces(OZ)	21-Mar-19
0001595447	-	RUBBER CEMENT	4	Ounces(OZ)	21-Mar-19
0001595448	-	RUBBER CEMENT	4	Ounces(OZ)	21-Mar-19
0001595455	-	AB 9110 LV	2.5	Gallon(GAL)	21-Mar-19
0001595458	-	AB 9110 LV	2.5	Gallon(GAL)	21-Mar-19
0001595467	-	AB 9110 LV	2.5	Gallon(GAL)	21-Mar-19
0001595478	-	AB 9110 LV	2.5	Gallon(GAL)	21-Mar-19
0001595477	-	AB 9110 LV	2.5	Gallon(GAL)	21-Mar-19
0001595476	-	AB 9110 LV	2.5	Gallon(GAL)	21-Mar-19
0001595475	-	AB 9110 LV	2.5	Gallon(GAL)	21-Mar-19
0001595474	-	AB 9110 LV	2.5	Gallon(GAL)	21-Mar-19
0001595473	-	AB 9110 LV	2.5	Gallon(GAL)	21-Mar-19
0001595472	-	AB 9110 LV	2.5	Gallon(GAL)	21-Mar-19
0001595471	-	AB 9110 LV	2.5	Gallon(GAL)	21-Mar-19
0001595456	-	AB 9110 LV	2.5	Gallon(GAL)	21-Mar-19
0001595469	-	AB 9110 LV	2.5	Gallon(GAL)	21-Mar-19
0001595457	-	AB 9110 LV	2.5	Gallon(GAL)	21-Mar-19
0001595465	-	AB 9110 LV	2.5	Gallon(GAL)	21-Mar-19
0001595464	-	AB 9110 LV	2.5	Gallon(GAL)	21-Mar-19
0001595463	-	AB 9110 LV	2.5	Gallon(GAL)	21-Mar-19
0001595462	-	AB 9110 LV	2.5	Gallon(GAL)	21-Mar-19
0001595461	-	AB 9110 LV	2.5	Gallon(GAL)	21-Mar-19
0001595460	-	AB 9110 LV	2.5	Gallon(GAL)	21-Mar-19
0001595459	-	AB 9110 LV	2.5	Gallon(GAL)	21-Mar-19
0001595466	-	AB 9110 LV	2.5	Gallon(GAL)	21-Mar-19
0001595470	-	AB 9110 LV	2.5	Gallon(GAL)	21-Mar-19
0001595468	-	AB 9110 LV	2.5	Gallon(GAL)	21-Mar-19
0001595527	-	Franklin Cleaning Technology OFFense Floor	1	Gallon(GAL)	21-Mar-19
0001595528	-	Franklin Cleaning Technology OFFense Floor	1	Gallon(GAL)	21-Mar-19
0001595529	-	Franklin Cleaning Technology OFFense Floor	1	Gallon(GAL)	21-Mar-19
0001595530	-	Franklin Cleaning Technology OFFense Floor	1	Gallon(GAL)	21-Mar-19
0001595531	-	ULTIMA GOLD LLT	2.5	Liters(L)	21-Mar-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001595534	-	ULTIMA GOLD LLT	2.5	Liters(L)	21-Mar-19
0001595533	-	ULTIMA GOLD LLT	2.5	Liters(L)	21-Mar-19
0001595532	-	ULTIMA GOLD LLT	2.5	Liters(L)	21-Mar-19
0001595535	-	LDH Cytotoxicity Assay	500	Milliliter(ML)	21-Mar-19
0001564691	-	CARBON MONOXIDE IN NITROGEN	220	Cubic Feet(CF)	21-Mar-19
0001564692	-	CARBON MONOXIDE IN NITROGEN	220	Cubic Feet(CF)	21-Mar-19
0001564693	74-86-2	ACETYLENE STABILIZED	230	Cubic Feet(CF)	21-Mar-19
0001564695	74-86-2	ACETYLENE STABILIZED	230	Cubic Feet(CF)	21-Mar-19
0001564696	74-86-2	ACETYLENE STABILIZED	230	Cubic Feet(CF)	21-Mar-19
0001564697	74-86-2	ACETYLENE STABILIZED	230	Cubic Feet(CF)	21-Mar-19
0001564698	-	Carbon Monoxide Hydrogen	1.2	Cubic Feet(CF)	21-Mar-19
0001564699	-	Oxygen Nitrogen	1.2	Cubic Feet(CF)	21-Mar-19
0001564700	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	21-Mar-19
0001564703	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	21-Mar-19
0001564707	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	21-Mar-19
0001564706	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	21-Mar-19
0001564708	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	21-Mar-19
0001564702	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	21-Mar-19
0001564701	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	21-Mar-19
0001564704	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	21-Mar-19
0001564705	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	21-Mar-19
0001564709	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Liters(L)	21-Mar-19
0001564710	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Liters(L)	21-Mar-19
0001564711	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Liters(L)	21-Mar-19
0001595551	-	HIGH VACUUM GREASE	150	Gram(GM)	21-Mar-19
0001595557	-	HIGH VACUUM GREASE	150	Gram(GM)	21-Mar-19
0001595565	-	HIGH VACUUM GREASE	150	Gram(GM)	21-Mar-19
0001595571	-	HIGH VACUUM GREASE	150	Gram(GM)	21-Mar-19
0001595570	-	HIGH VACUUM GREASE	150	Gram(GM)	21-Mar-19
0001595569	-	HIGH VACUUM GREASE	150	Gram(GM)	21-Mar-19
0001595568	-	HIGH VACUUM GREASE	150	Gram(GM)	21-Mar-19
0001595567	-	HIGH VACUUM GREASE	150	Gram(GM)	21-Mar-19
0001595566	-	HIGH VACUUM GREASE	150	Gram(GM)	21-Mar-19
0001595564	-	HIGH VACUUM GREASE	150	Gram(GM)	21-Mar-19
0001595563	-	HIGH VACUUM GREASE	150	Gram(GM)	21-Mar-19
0001595555	-	HIGH VACUUM GREASE	150	Gram(GM)	21-Mar-19
0001595562	-	HIGH VACUUM GREASE	150	Gram(GM)	21-Mar-19
0001595572	-	HIGH VACUUM GREASE	150	Gram(GM)	21-Mar-19
0001595559	-	HIGH VACUUM GREASE	150	Gram(GM)	21-Mar-19
0001595560	-	HIGH VACUUM GREASE	150	Gram(GM)	21-Mar-19
0001595556	-	HIGH VACUUM GREASE	150	Gram(GM)	21-Mar-19
0001595552	-	HIGH VACUUM GREASE	150	Gram(GM)	21-Mar-19
0001595561	-	HIGH VACUUM GREASE	150	Gram(GM)	21-Mar-19
0001595574	-	HIGH VACUUM GREASE	150	Gram(GM)	21-Mar-19
0001595558	-	HIGH VACUUM GREASE	150	Gram(GM)	21-Mar-19
0001595553	-	HIGH VACUUM GREASE	150	Gram(GM)	21-Mar-19
0001595573	-	HIGH VACUUM GREASE	150	Gram(GM)	21-Mar-19
0001595554	-	HIGH VACUUM GREASE	150	Gram(GM)	21-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001595257	-	LIVE/DEAD Viability/Cytotoxicity Kit for	200	Milliliter(ML)	21-Mar-19
0001595536	-	AvistaClean MF 3000	350	Pounds(LB)	21-Mar-19
0001595537	-	AvistaClean MF 3000	350	Pounds(LB)	21-Mar-19
0001595538	-	AvistaClean MF 3000	350	Pounds(LB)	21-Mar-19
0001595539	-	AVISTACLEAN MF 1000	350	Pounds(LB)	21-Mar-19
0001595540	-	AVISTACLEAN MF 1000	350	Pounds(LB)	21-Mar-19
0001595541	-	AVISTACLEAN MF 1000	350	Pounds(LB)	21-Mar-19
0001433259	-	MOBILITH SHC 220	13.7	Ounces(OZ)	21-Mar-19
0001433260	-	MOBILITH SHC 220	13.7	Ounces(OZ)	21-Mar-19
0001433268	-	MOBILITH SHC 220	13.7	Ounces(OZ)	21-Mar-19
0001433267	-	MOBILITH SHC 220	13.7	Ounces(OZ)	21-Mar-19
0001433266	-	MOBILITH SHC 220	13.7	Ounces(OZ)	21-Mar-19
0001433265	-	MOBILITH SHC 220	13.7	Ounces(OZ)	21-Mar-19
0001433264	-	MOBILITH SHC 220	13.7	Ounces(OZ)	21-Mar-19
0001433263	-	MOBILITH SHC 220	13.7	Ounces(OZ)	21-Mar-19
0001433261	-	MOBILITH SHC 220	13.7	Ounces(OZ)	21-Mar-19
0001433262	-	MOBILITH SHC 220	13.7	Ounces(OZ)	21-Mar-19
0001433257	-	MOBILITH SHC 220	13.7	Ounces(OZ)	21-Mar-19
0001433249	-	MOBILITH SHC 220	13.7	Ounces(OZ)	21-Mar-19
0001433250	-	MOBILITH SHC 220	13.7	Ounces(OZ)	21-Mar-19
0001433251	-	MOBILITH SHC 220	13.7	Ounces(OZ)	21-Mar-19
0001433252	-	MOBILITH SHC 220	13.7	Ounces(OZ)	21-Mar-19
0001433253	-	MOBILITH SHC 220	13.7	Ounces(OZ)	21-Mar-19
0001433254	-	MOBILITH SHC 220	13.7	Ounces(OZ)	21-Mar-19
0001433255	-	MOBILITH SHC 220	13.7	Ounces(OZ)	21-Mar-19
0001433256	-	MOBILITH SHC 220	13.7	Ounces(OZ)	21-Mar-19
0001433258	-	MOBILITH SHC 220	13.7	Ounces(OZ)	21-Mar-19
0001433244	-	MOBILITH SHC 220	13.7	Ounces(OZ)	21-Mar-19
0001433242	-	MOBILITH SHC 220	13.7	Ounces(OZ)	21-Mar-19
0001433241	-	MOBILITH SHC 220	13.7	Ounces(OZ)	21-Mar-19
0001433240	-	MOBILITH SHC 220	13.7	Ounces(OZ)	21-Mar-19
0001433239	-	MOBILITH SHC 220	13.7	Ounces(OZ)	21-Mar-19
0001433243	-	MOBILITH SHC 220	13.7	Ounces(OZ)	21-Mar-19
0001433245	-	MOBILITH SHC 220	13.7	Ounces(OZ)	21-Mar-19
0001433246	-	MOBILITH SHC 220	13.7	Ounces(OZ)	21-Mar-19
0001433247	-	MOBILITH SHC 220	13.7	Ounces(OZ)	21-Mar-19
0001433248	-	MOBILITH SHC 220	13.7	Ounces(OZ)	21-Mar-19
0001433354	-	QUIN-CIP COMPRESSOR OIL S	1	Gallon(GAL)	21-Mar-19
0001433355	-	QUIN-CIP COMPRESSOR OIL S	1	Gallon(GAL)	21-Mar-19
0001433356	-	QUIN-CIP COMPRESSOR OIL S	1	Gallon(GAL)	21-Mar-19
0001433357	-	QUIN-CIP COMPRESSOR OIL S	1	Gallon(GAL)	21-Mar-19
0001433473	-	SULLAIR SULLUBE	5	Gallon(GAL)	21-Mar-19
0001433474	-	SULLAIR SULLUBE	5	Gallon(GAL)	21-Mar-19
0001433468	64742-54-7	QuinCip-ISO 100	1	Gallon(GAL)	21-Mar-19
0001433469	64742-54-7	QuinCip-ISO 100	1	Gallon(GAL)	21-Mar-19
0001433467	64742-54-7	QuinCip-ISO 100	1	Gallon(GAL)	21-Mar-19
0001433419	-	TRU-BLU	1.75	Ounces(OZ)	21-Mar-19
0001433428	-	TRU-BLU	1.75	Ounces(OZ)	21-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001433420	-	TRU-BLU	1.75	Ounces(OZ)	21-Mar-19
0001433421	-	TRU-BLU	1.75	Ounces(OZ)	21-Mar-19
0001433422	-	TRU-BLU	1.75	Ounces(OZ)	21-Mar-19
0001433423	-	TRU-BLU	1.75	Ounces(OZ)	21-Mar-19
0001433425	-	TRU-BLU	1.75	Ounces(OZ)	21-Mar-19
0001433427	-	TRU-BLU	1.75	Ounces(OZ)	21-Mar-19
0001433429	-	TRU-BLU	1.75	Ounces(OZ)	21-Mar-19
0001433430	-	TRU-BLU	1.75	Ounces(OZ)	21-Mar-19
0001433424	-	TRU-BLU	1.75	Ounces(OZ)	21-Mar-19
0001433426	-	TRU-BLU	1.75	Ounces(OZ)	21-Mar-19
0001433431	-	Nylog Blue	30	Milliliter(ML)	21-Mar-19
0001433437	-	Nylog Blue	30	Milliliter(ML)	21-Mar-19
0001433440	-	Nylog Blue	30	Milliliter(ML)	21-Mar-19
0001433446	-	Nylog Blue	30	Milliliter(ML)	21-Mar-19
0001433454	-	Nylog Blue	30	Milliliter(ML)	21-Mar-19
0001433453	-	Nylog Blue	30	Milliliter(ML)	21-Mar-19
0001433452	-	Nylog Blue	30	Milliliter(ML)	21-Mar-19
0001433451	-	Nylog Blue	30	Milliliter(ML)	21-Mar-19
0001433450	-	Nylog Blue	30	Milliliter(ML)	21-Mar-19
0001433449	-	Nylog Blue	30	Milliliter(ML)	21-Mar-19
0001433438	-	Nylog Blue	30	Milliliter(ML)	21-Mar-19
0001433447	-	Nylog Blue	30	Milliliter(ML)	21-Mar-19
0001433439	-	Nylog Blue	30	Milliliter(ML)	21-Mar-19
0001433445	-	Nylog Blue	30	Milliliter(ML)	21-Mar-19
0001433444	-	Nylog Blue	30	Milliliter(ML)	21-Mar-19
0001433443	-	Nylog Blue	30	Milliliter(ML)	21-Mar-19
0001433442	-	Nylog Blue	30	Milliliter(ML)	21-Mar-19
0001433441	-	Nylog Blue	30	Milliliter(ML)	21-Mar-19
0001433436	-	Nylog Blue	30	Milliliter(ML)	21-Mar-19
0001433448	-	Nylog Blue	30	Milliliter(ML)	21-Mar-19
0001433432	-	Nylog Blue	30	Milliliter(ML)	21-Mar-19
0001433435	-	Nylog Blue	30	Milliliter(ML)	21-Mar-19
0001433434	-	Nylog Blue	30	Milliliter(ML)	21-Mar-19
0001433433	-	Nylog Blue	30	Milliliter(ML)	21-Mar-19
0001433455	-	BIG BLUE MICRO LEAK DETECTOR SOLUTION	1	Quarts(QT)	21-Mar-19
0001433456	-	BIG BLUE MICRO LEAK DETECTOR SOLUTION	1	Quarts(QT)	21-Mar-19
0001433457	-	BIG BLUE MICRO LEAK DETECTOR SOLUTION	1	Quarts(QT)	21-Mar-19
0001433458	-	BIG BLUE MICRO LEAK DETECTOR SOLUTION	1	Quarts(QT)	21-Mar-19
0001433459	-	BIG BLUE MICRO LEAK DETECTOR SOLUTION	1	Quarts(QT)	21-Mar-19
0001433460	-	BIG BLUE MICRO LEAK DETECTOR SOLUTION	1	Quarts(QT)	21-Mar-19
0001433461	-	BIG BLUE MICRO LEAK DETECTOR SOLUTION	1	Quarts(QT)	21-Mar-19
0001433462	-	BIG BLUE MICRO LEAK DETECTOR SOLUTION	1	Quarts(QT)	21-Mar-19
0001433463	-	BIG BLUE MICRO LEAK DETECTOR SOLUTION	1	Quarts(QT)	21-Mar-19
0001433465	-	BIG BLUE MICRO LEAK DETECTOR SOLUTION	1	Quarts(QT)	21-Mar-19
0001433466	-	BIG BLUE MICRO LEAK DETECTOR SOLUTION	1	Quarts(QT)	21-Mar-19
0001433464	-	BIG BLUE MICRO LEAK DETECTOR SOLUTION	1	Quarts(QT)	21-Mar-19
0001502577	-	WEST R-630 SULFITE	55	Gallon(GAL)	21-Mar-19
0001502579	-	WEST R-630 SULFITE	55	Gallon(GAL)	21-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001502586	-	WEST R-630 SULFITE	55	Gallon(GAL)	21-Mar-19
0001502587	-	WEST R-630 SULFITE	55	Gallon(GAL)	21-Mar-19
0001502578	-	WEST R-630 SULFITE	55	Gallon(GAL)	21-Mar-19
0001502585	-	WEST R-630 SULFITE	55	Gallon(GAL)	21-Mar-19
0001502584	-	WEST R-630 SULFITE	55	Gallon(GAL)	21-Mar-19
0001502583	-	WEST R-630 SULFITE	55	Gallon(GAL)	21-Mar-19
0001502582	-	WEST R-630 SULFITE	55	Gallon(GAL)	21-Mar-19
0001502581	-	WEST R-630 SULFITE	55	Gallon(GAL)	21-Mar-19
0001502588	-	WEST R-630 SULFITE	55	Gallon(GAL)	21-Mar-19
0001502580	-	WEST R-630 SULFITE	55	Gallon(GAL)	21-Mar-19
0001502589	-	GLOSS GLOSSY WHITE	12	Ounces(OZ)	21-Mar-19
0001502592	-	GLOSS GLOSSY WHITE	12	Ounces(OZ)	21-Mar-19
0001502594	-	GLOSS GLOSSY WHITE	12	Ounces(OZ)	21-Mar-19
0001502593	-	GLOSS GLOSSY WHITE	12	Ounces(OZ)	21-Mar-19
0001502591	-	GLOSS GLOSSY WHITE	12	Ounces(OZ)	21-Mar-19
0001502590	-	GLOSS GLOSSY WHITE	12	Ounces(OZ)	21-Mar-19
0001502595	-	Rust Oleum Premium Metallic Brilliant Finish	11	Ounces(OZ)	21-Mar-19
0001502599	-	Rust Oleum Premium Metallic Brilliant Finish	11	Ounces(OZ)	21-Mar-19
0001502608	-	Rust Oleum Premium Metallic Brilliant Finish	11	Ounces(OZ)	21-Mar-19
0001502607	-	Rust Oleum Premium Metallic Brilliant Finish	11	Ounces(OZ)	21-Mar-19
0001502606	-	Rust Oleum Premium Metallic Brilliant Finish	11	Ounces(OZ)	21-Mar-19
0001502596	-	Rust Oleum Premium Metallic Brilliant Finish	11	Ounces(OZ)	21-Mar-19
0001502610	-	Rust Oleum Premium Metallic Brilliant Finish	11	Ounces(OZ)	21-Mar-19
0001502612	-	Rust Oleum Premium Metallic Brilliant Finish	11	Ounces(OZ)	21-Mar-19
0001502609	-	Rust Oleum Premium Metallic Brilliant Finish	11	Ounces(OZ)	21-Mar-19
0001502611	-	Rust Oleum Premium Metallic Brilliant Finish	11	Ounces(OZ)	21-Mar-19
0001502598	-	Rust Oleum Premium Metallic Brilliant Finish	11	Ounces(OZ)	21-Mar-19
0001502600	-	Rust Oleum Premium Metallic Brilliant Finish	11	Ounces(OZ)	21-Mar-19
0001502601	-	Rust Oleum Premium Metallic Brilliant Finish	11	Ounces(OZ)	21-Mar-19
0001502605	-	Rust Oleum Premium Metallic Brilliant Finish	11	Ounces(OZ)	21-Mar-19
0001502604	-	Rust Oleum Premium Metallic Brilliant Finish	11	Ounces(OZ)	21-Mar-19
0001502603	-	Rust Oleum Premium Metallic Brilliant Finish	11	Ounces(OZ)	21-Mar-19
0001502602	-	Rust Oleum Premium Metallic Brilliant Finish	11	Ounces(OZ)	21-Mar-19
0001502597	-	Rust Oleum Premium Metallic Brilliant Finish	11	Ounces(OZ)	21-Mar-19
0001433366	-	Spears Primer-70 Low VOC Primer for PVC and	1	Quarts(QT)	21-Mar-19
0001433371	-	Spears Primer-70 Low VOC Primer for PVC and	1	Quarts(QT)	21-Mar-19
0001433370	-	Spears Primer-70 Low VOC Primer for PVC and	1	Quarts(QT)	21-Mar-19
0001433369	-	Spears Primer-70 Low VOC Primer for PVC and	1	Quarts(QT)	21-Mar-19
0001433367	-	Spears Primer-70 Low VOC Primer for PVC and	1	Quarts(QT)	21-Mar-19
0001433375	-	Spears Primer-70 Low VOC Primer for PVC and	1	Quarts(QT)	21-Mar-19
0001433377	-	Spears Primer-70 Low VOC Primer for PVC and	1	Quarts(QT)	21-Mar-19
0001433373	-	Spears Primer-70 Low VOC Primer for PVC and	1	Quarts(QT)	21-Mar-19
0001433368	-	Spears Primer-70 Low VOC Primer for PVC and	1	Quarts(QT)	21-Mar-19
0001433374	-	Spears Primer-70 Low VOC Primer for PVC and	1	Quarts(QT)	21-Mar-19
0001433372	-	Spears Primer-70 Low VOC Primer for PVC and	1	Quarts(QT)	21-Mar-19
0001433376	-	Spears Primer-70 Low VOC Primer for PVC and	1	Quarts(QT)	21-Mar-19
0001433378	-	Spears CPVC-24 Low VOC CPVC Plastic Pipe	1	Quarts(QT)	21-Mar-19
0001433386	-	Spears CPVC-24 Low VOC CPVC Plastic Pipe	1	Quarts(QT)	21-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001433383	-	Spears CPVC-24 Low VOC CPVC Plastic Pipe	1	Quarts(QT)	21-Mar-19
0001433384	-	Spears CPVC-24 Low VOC CPVC Plastic Pipe	1	Quarts(QT)	21-Mar-19
0001433379	-	Spears CPVC-24 Low VOC CPVC Plastic Pipe	1	Quarts(QT)	21-Mar-19
0001433385	-	Spears CPVC-24 Low VOC CPVC Plastic Pipe	1	Quarts(QT)	21-Mar-19
0001433387	-	Spears CPVC-24 Low VOC CPVC Plastic Pipe	1	Quarts(QT)	21-Mar-19
0001433388	-	Spears CPVC-24 Low VOC CPVC Plastic Pipe	1	Quarts(QT)	21-Mar-19
0001433382	-	Spears CPVC-24 Low VOC CPVC Plastic Pipe	1	Quarts(QT)	21-Mar-19
0001433381	-	Spears CPVC-24 Low VOC CPVC Plastic Pipe	1	Quarts(QT)	21-Mar-19
0001433389	-	Spears CPVC-24 Low VOC CPVC Plastic Pipe	1	Quarts(QT)	21-Mar-19
0001433380	-	Spears CPVC-24 Low VOC CPVC Plastic Pipe	1	Quarts(QT)	21-Mar-19
0001433401	-	RT150S G or D Big Blu SubZero	1	Quarts(QT)	21-Mar-19
0001433408	-	RT150S G or D Big Blu SubZero	1	Quarts(QT)	21-Mar-19
0001433407	-	RT150S G or D Big Blu SubZero	1	Quarts(QT)	21-Mar-19
0001433406	-	RT150S G or D Big Blu SubZero	1	Quarts(QT)	21-Mar-19
0001433405	-	RT150S G or D Big Blu SubZero	1	Quarts(QT)	21-Mar-19
0001433404	-	RT150S G or D Big Blu SubZero	1	Quarts(QT)	21-Mar-19
0001433403	-	RT150S G or D Big Blu SubZero	1	Quarts(QT)	21-Mar-19
0001433412	-	RT150S G or D Big Blu SubZero	1	Quarts(QT)	21-Mar-19
0001433410	-	RT150S G or D Big Blu SubZero	1	Quarts(QT)	21-Mar-19
0001433409	-	RT150S G or D Big Blu SubZero	1	Quarts(QT)	21-Mar-19
0001433411	-	RT150S G or D Big Blu SubZero	1	Quarts(QT)	21-Mar-19
0001433402	-	RT150S G or D Big Blu SubZero	1	Quarts(QT)	21-Mar-19
0001433397	-	RT150S G or D Big Blu SubZero	1	Gallon(GAL)	21-Mar-19
0001433400	-	RT150S G or D Big Blu SubZero	1	Gallon(GAL)	21-Mar-19
0001433398	-	RT150S G or D Big Blu SubZero	1	Gallon(GAL)	21-Mar-19
0001433399	-	RT150S G or D Big Blu SubZero	1	Gallon(GAL)	21-Mar-19
0001433358	-	VICTAULIC LUBRICANT	2	Pounds(LB)	21-Mar-19
0001433359	-	VICTAULIC LUBRICANT	2	Pounds(LB)	21-Mar-19
0001433360	-	Bridgit Lead Free Solder	1	Pounds(LB)	21-Mar-19
0001433363	-	Bridgit Lead Free Solder	1	Pounds(LB)	21-Mar-19
0001433362	-	Bridgit Lead Free Solder	1	Pounds(LB)	21-Mar-19
0001433361	-	Bridgit Lead Free Solder	1	Pounds(LB)	21-Mar-19
0001433390	-	HERCULES CRYOTEK	5	Gallon(GAL)	21-Mar-19
0001433394	-	NOKORODE REGULAR PASTE FLUX	1	Pounds(LB)	21-Mar-19
0001433392	-	Bridgit Lead Free Solder	1	Pounds(LB)	21-Mar-19
0001433393	-	Bridgit Lead Free Solder	1	Pounds(LB)	21-Mar-19
0001433413	-	Megaloc	0.5	Pint(PT)	21-Mar-19
0001433414	-	Megaloc	0.5	Pint(PT)	21-Mar-19
0001433417	-	Megaloc	0.5	Pint(PT)	21-Mar-19
0001433418	-	Megaloc	0.5	Pint(PT)	21-Mar-19
0001433471	-	CLEAR PVC PRIMER	0.5	Pint(PT)	21-Mar-19
0001433472	-	CLEAR PVC PRIMER	0.5	Pint(PT)	21-Mar-19
0001433470	-	Oatey All Purpose Milky Clear Cement	0.5	Pint(PT)	21-Mar-19
0001433309	-	silvabrite 100	1	Pounds(LB)	21-Mar-19
0001433318	-	silvabrite 100	1	Pounds(LB)	21-Mar-19
0001433316	-	silvabrite 100	1	Pounds(LB)	21-Mar-19
0001433314	-	silvabrite 100	1	Pounds(LB)	21-Mar-19
0001433310	-	silvabrite 100	1	Pounds(LB)	21-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001433315	-	silvabrite 100	1	Pounds(LB)	21-Mar-19
0001433311	-	silvabrite 100	1	Pounds(LB)	21-Mar-19
0001433312	-	silvabrite 100	1	Pounds(LB)	21-Mar-19
0001433313	-	silvabrite 100	1	Pounds(LB)	21-Mar-19
0001433317	-	silvabrite 100	1	Pounds(LB)	21-Mar-19
0001433234	-	Blue Monster PTFE Pipe Thread Sealant	1	Pounds(LB)	21-Mar-19
0001433236	-	Blue Monster PTFE Pipe Thread Sealant	1	Pounds(LB)	21-Mar-19
0001433235	-	Blue Monster PTFE Pipe Thread Sealant	1	Pounds(LB)	21-Mar-19
0001433237	-	Blue Monster PTFE Pipe Thread Sealant	1	Pounds(LB)	21-Mar-19
0001433238	-	Blue Monster PTFE Pipe Thread Sealant	1	Pounds(LB)	21-Mar-19
0001433339	-	Blue Monster PTFE Pipe Thread Sealant	1	Pint(PT)	21-Mar-19
0001433341	-	Blue Monster PTFE Pipe Thread Sealant	1	Pint(PT)	21-Mar-19
0001433346	-	Blue Monster PTFE Pipe Thread Sealant	1	Pint(PT)	21-Mar-19
0001433347	-	Blue Monster PTFE Pipe Thread Sealant	1	Pint(PT)	21-Mar-19
0001433348	-	Blue Monster PTFE Pipe Thread Sealant	1	Pint(PT)	21-Mar-19
0001433345	-	Blue Monster PTFE Pipe Thread Sealant	1	Pint(PT)	21-Mar-19
0001433344	-	Blue Monster PTFE Pipe Thread Sealant	1	Pint(PT)	21-Mar-19
0001433343	-	Blue Monster PTFE Pipe Thread Sealant	1	Pint(PT)	21-Mar-19
0001433342	-	Blue Monster PTFE Pipe Thread Sealant	1	Pint(PT)	21-Mar-19
0001433340	-	Blue Monster PTFE Pipe Thread Sealant	1	Pint(PT)	21-Mar-19
0001433319	-	NOKORODE REGULAR PASTE FLUX	1	Pounds(LB)	21-Mar-19
0001433328	-	NOKORODE REGULAR PASTE FLUX	1	Pounds(LB)	21-Mar-19
0001433320	-	NOKORODE REGULAR PASTE FLUX	1	Pounds(LB)	21-Mar-19
0001433321	-	NOKORODE REGULAR PASTE FLUX	1	Pounds(LB)	21-Mar-19
0001433322	-	NOKORODE REGULAR PASTE FLUX	1	Pounds(LB)	21-Mar-19
0001433323	-	NOKORODE REGULAR PASTE FLUX	1	Pounds(LB)	21-Mar-19
0001433324	-	NOKORODE REGULAR PASTE FLUX	1	Pounds(LB)	21-Mar-19
0001433325	-	NOKORODE REGULAR PASTE FLUX	1	Pounds(LB)	21-Mar-19
0001433326	-	NOKORODE REGULAR PASTE FLUX	1	Pounds(LB)	21-Mar-19
0001433327	-	NOKORODE REGULAR PASTE FLUX	1	Pounds(LB)	21-Mar-19
0001433329	-	NOKORODE AQUA FLUX	1	Pounds(LB)	21-Mar-19
0001433338	-	NOKORODE AQUA FLUX	1	Pounds(LB)	21-Mar-19
0001433332	-	NOKORODE AQUA FLUX	1	Pounds(LB)	21-Mar-19
0001433330	-	NOKORODE AQUA FLUX	1	Pounds(LB)	21-Mar-19
0001433331	-	NOKORODE AQUA FLUX	1	Pounds(LB)	21-Mar-19
0001433337	-	NOKORODE AQUA FLUX	1	Pounds(LB)	21-Mar-19
0001433335	-	NOKORODE AQUA FLUX	1	Pounds(LB)	21-Mar-19
0001433334	-	NOKORODE AQUA FLUX	1	Pounds(LB)	21-Mar-19
0001433333	-	NOKORODE AQUA FLUX	1	Pounds(LB)	21-Mar-19
0001433336	-	NOKORODE AQUA FLUX	1	Pounds(LB)	21-Mar-19
0001433212	-	Bridgit Lead Free Solder	1	Pounds(LB)	21-Mar-19
0001433213	-	Bridgit Lead Free Solder	1	Pounds(LB)	21-Mar-19
0001433210	-	NOKORODE REGULAR PASTE FLUX	1.7	Pounds(LB)	21-Mar-19
0001433211	-	NOKORODE REGULAR PASTE FLUX	1.7	Pounds(LB)	21-Mar-19
0001433214	-	Bridgit Lead Free Solder	1	Pounds(LB)	21-Mar-19
0001433215	-	Bridgit Lead Free Solder	1	Pounds(LB)	21-Mar-19
0001433216	-	NOKORODE REGULAR PASTE FLUX	1.7	Ounces(OZ)	21-Mar-19
0001433217	-	NOKORODE REGULAR PASTE FLUX	1.7	Ounces(OZ)	21-Mar-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001433218	-	NOKORODE REGULAR PASTE FLUX	1.7	Ounces(OZ)	21-Mar-19
0001433219	-	NOKORODE REGULAR PASTE FLUX	1.7	Ounces(OZ)	21-Mar-19
0001433233	-	Bridgit Lead Free Solder	1	Pounds(LB)	21-Mar-19
0001433416	-	Bridgit Lead Free Solder	1	Pounds(LB)	21-Mar-19
0001433415	-	Bridgit Lead Free Solder	1	Pounds(LB)	21-Mar-19
0001433391	-	Bridgit Lead Free Solder	1	Pounds(LB)	21-Mar-19
0001433395	-	Bridgit Lead Free Solder	1	Pounds(LB)	21-Mar-19
0001433396	-	Bridgit Lead Free Solder	1	Pounds(LB)	21-Mar-19
0001433230	-	ChemDrain Low VOC Cement for CPOVC Plastic	1	Quarts(QT)	21-Mar-19
0001433232	-	ChemDrain Low VOC Cement for CPOVC Plastic	1	Quarts(QT)	21-Mar-19
0001433231	-	ChemDrain Low VOC Cement for CPOVC Plastic	1	Quarts(QT)	21-Mar-19
0001433349	-	NOKORODE AQUA FLUX	1	Pounds(LB)	21-Mar-19
0001433353	-	NOKORODE AQUA FLUX	1	Pounds(LB)	21-Mar-19
0001433352	-	NOKORODE AQUA FLUX	1	Pounds(LB)	21-Mar-19
0001433350	-	NOKORODE AQUA FLUX	1	Pounds(LB)	21-Mar-19
0001433351	-	NOKORODE AQUA FLUX	1	Pounds(LB)	21-Mar-19
0000984368	25068-38-6	EPICHLOROHYDRIN-BISPHENOL A RESIN	10	Ounces(OZ)	21-Mar-19
0001420597	1668-00-4	ARSENAZO III	5	Gram(GM)	21-Mar-19
0001595258	460-40-2	3 3 3-Trifluoropropanal Contains condensation	5	Gram(GM)	22-Mar-19
0001595261	69950-65-8	Methyl 6-formyl-2-pyridinecarboxylate	10	Gram(GM)	22-Mar-19
0001595262	1330-20-7	Waveshifting Paint	850	Milliliter(ML)	22-Mar-19
0001595392	-	SU-8	500	Milliliter(ML)	22-Mar-19
0001595393	-	SU-8	500	Milliliter(ML)	22-Mar-19
0001595394	68083-19-2	Silicone Resin	1	Pint(PT)	22-Mar-19
0001595397	68083-19-2	Silicone Resin	1	Pint(PT)	22-Mar-19
0001595395	68083-19-2	Silicone Resin	1	Pint(PT)	22-Mar-19
0001595396	68083-19-2	Silicone Resin	1	Pint(PT)	22-Mar-19
0001595398	00682-01-9	TETRA-N-PROPYL-SILICATE	1	Pint(PT)	22-Mar-19
0001595399	63148-57-2	METHYLHYDROGEN POLYSILOXANE	1	Pint(PT)	22-Mar-19
0001595400	931-19-1	2-Methylpyridine N-oxide	100	Gram(GM)	22-Mar-19
0001595401	2564-83-2	TEMPO FREE RADICAL	25	Gram(GM)	22-Mar-19
0001595402	693-25-4	Pentylmagnesium bromide solution	100	Milliliter(ML)	22-Mar-19
0001595403	584-84-9	TOLYLENE 2 4-DIISOCYANATE	250	Gram(GM)	22-Mar-19
0001595542	-	LGM-3 Lymphocyte Growth Medium-3	500	Milliliter(ML)	22-Mar-19
0001595543	-	Zinsser BULLS EYE 1-2-3	2	Gallon(GAL)	22-Mar-19
0001595544	-	Zinsser BULLS EYE 1-2-3	2	Gallon(GAL)	22-Mar-19
0001595545	-	HYDRANAL COULMAT	500	Milliliter(ML)	22-Mar-19
0001595546	-	HYDRANAL COULMAT	500	Milliliter(ML)	22-Mar-19
0001595547	-	SHC 629 SYNTHETIC LUBRICATING OIL	1	Gallon(GAL)	22-Mar-19
0001595550	629-11-8	1 6-HEXANEDIOL	50	Gram(GM)	22-Mar-19
0001595575	-	5-MINUTE EPOXY	0.47	Ounces(OZ)	22-Mar-19
0001595576	-	5-MINUTE EPOXY	0.47	Ounces(OZ)	22-Mar-19
0001595577	-	5-MINUTE EPOXY	0.47	Ounces(OZ)	22-Mar-19
0001595578	-	5-MINUTE EPOXY	0.47	Ounces(OZ)	22-Mar-19
0001595584	-	5-MINUTE EPOXY	0.47	Ounces(OZ)	22-Mar-19
0001595583	-	5-MINUTE EPOXY	0.47	Ounces(OZ)	22-Mar-19
0001595579	-	5-MINUTE EPOXY	0.47	Ounces(OZ)	22-Mar-19
0001595582	-	5-MINUTE EPOXY	0.47	Ounces(OZ)	22-Mar-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001595581	-	5-MINUTE EPOXY	0.47	Ounces(OZ)	22-Mar-19
0001595580	-	5-MINUTE EPOXY	0.47	Ounces(OZ)	22-Mar-19
0001595585	-	HEXAPHENYLBENZENE	5	Gram(GM)	22-Mar-19
0001595586	-	HEXAPHENYLBENZENE	5	Gram(GM)	22-Mar-19
0001594995	7789-75-5	CALCIUM FLUORIDE	500	Gram(GM)	22-Mar-19
0001595587	762-04-9	DIETHYL PHOSPHITE	250	Gram(GM)	22-Mar-19
0001595623	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595660	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595661	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595662	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595663	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595664	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595665	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595666	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595667	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595670	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595630	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595659	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595668	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595629	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595639	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595638	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595637	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595636	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595635	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595634	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595632	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595631	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595642	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595628	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595627	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595626	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595625	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595624	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595669	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595633	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595649	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595657	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595656	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595655	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595654	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595653	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595652	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595640	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595650	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595641	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595648	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595647	-	FS-One Max	10	Ounces(OZ)	22-Mar-19

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001595646	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595645	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595644	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595643	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595658	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001595651	-	FS-One Max	10	Ounces(OZ)	22-Mar-19
0001594999	7789-75-5	CALCIUM FLUORIDE	500	Gram(GM)	22-Mar-19
0001594998	7789-75-5	CALCIUM FLUORIDE	500	Gram(GM)	22-Mar-19
0001594997	7789-75-5	CALCIUM FLUORIDE	500	Gram(GM)	22-Mar-19
0001594996	7789-75-5	CALCIUM FLUORIDE	500	Gram(GM)	22-Mar-19
0001595695	67-64-1	ACETONE	4	Liters(L)	22-Mar-19
0001595696	67-64-1	ACETONE	4	Liters(L)	22-Mar-19
0001595698	67-64-1	ACETONE	4	Liters(L)	22-Mar-19
0001595697	67-64-1	ACETONE	4	Liters(L)	22-Mar-19
0001595699	67-63-0	2-PROPANOL	4	Liters(L)	22-Mar-19
0001595700	67-63-0	2-PROPANOL	4	Liters(L)	22-Mar-19
0001595701	67-63-0	2-PROPANOL	4	Liters(L)	22-Mar-19
0001595702	67-63-0	2-PROPANOL	4	Liters(L)	22-Mar-19
0001595703	110-54-3	HEXANE CERTIFIED ACS	4	Liters(L)	22-Mar-19
0001595705	110-54-3	HEXANE CERTIFIED ACS	4	Liters(L)	22-Mar-19
0001595706	110-54-3	HEXANE CERTIFIED ACS	4	Liters(L)	22-Mar-19
0001595704	110-54-3	HEXANE CERTIFIED ACS	4	Liters(L)	22-Mar-19
0001595707	67-56-1	METHANOL	4	Liters(L)	22-Mar-19
0001595708	67-56-1	METHANOL	4	Liters(L)	22-Mar-19
0001595709	67-56-1	METHANOL	4	Liters(L)	22-Mar-19
0001595710	67-56-1	METHANOL	4	Liters(L)	22-Mar-19
0001595711	112-24-3	TRIETHYLENETETRAMINE	50	Gram(GM)	22-Mar-19
0001595714	112-24-3	TRIETHYLENETETRAMINE	50	Gram(GM)	22-Mar-19
0001595713	112-24-3	TRIETHYLENETETRAMINE	50	Gram(GM)	22-Mar-19
0001595712	112-24-3	TRIETHYLENETETRAMINE	50	Gram(GM)	22-Mar-19
0001595259	7440-54-2	GADOLINIUM	50	Gram(GM)	22-Mar-19
0001595260	7440-54-2	GADOLINIUM	50	Gram(GM)	22-Mar-19
0001595404	-	Gold nanoparticles	25	Milliliter(ML)	22-Mar-19
0001595405	-	Gold nanoparticles	25	Milliliter(ML)	22-Mar-19
0001595548	-	Polyhydroxybutyrate/Polyhydroxyvalerate	200	Gram(GM)	22-Mar-19
0001595549	48145-04-6	2-Phenoxyethyl Acrylate (stabilized with MEHQ)	500	Gram(GM)	22-Mar-19
0001595715	-	ULTIMA GOLD	10	Liters(L)	22-Mar-19
0001595719	-	ULTIMA GOLD	10	Liters(L)	22-Mar-19
0001595716	-	ULTIMA GOLD	10	Liters(L)	22-Mar-19
0001595718	-	ULTIMA GOLD	10	Liters(L)	22-Mar-19
0001595720	-	ULTIMA GOLD	10	Liters(L)	22-Mar-19
0001595717	-	ULTIMA GOLD	10	Liters(L)	22-Mar-19
0001595767	143-74-8	PHENOL RED	100	Milliliter(ML)	22-Mar-19
0001595768	7439-98-7	MOLYBDENUM POWDER	500	Gram(GM)	22-Mar-19
0001146454	-	DRY MOLY LUBRICANT SPRAY	11	Ounces(OZ)	22-Mar-19
0001146455	-	DRY MOLY LUBRICANT SPRAY	11	Ounces(OZ)	22-Mar-19
0001146448	-	DRY MOLY LUBRICANT SPRAY	11	Ounces(OZ)	22-Mar-19
0001146449	-	DRY MOLY LUBRICANT SPRAY	11	Ounces(OZ)	22-Mar-19

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001146451	-	DRY MOLY LUBRICANT SPRAY	11	Ounces(OZ)	22-Mar-19
0001146453	-	DRY MOLY LUBRICANT SPRAY	11	Ounces(OZ)	22-Mar-19
0001146452	-	DRY MOLY LUBRICANT SPRAY	11	Ounces(OZ)	22-Mar-19
0001146450	-	DRY MOLY LUBRICANT SPRAY	11	Ounces(OZ)	22-Mar-19
0001595769	7440-33-7	TUNGSTEN POWDER	100	Gram(GM)	22-Mar-19
0001595770	7440-44-0	CHARCOAL ACTIVATED	500	Gram(GM)	22-Mar-19
0001595771	120-80-9	1 2-Dihydroxybenzene	500	Gram(GM)	22-Mar-19
0001595772	75-09-2	DICHLOROMETHANE	500	Milliliter(ML)	22-Mar-19
0001595773	-	Franklin Cleaning Technology OFFense Floor	1	Gallon(GAL)	22-Mar-19
0001595775	-	Franklin Cleaning Technology OFFense Floor	1	Gallon(GAL)	22-Mar-19
0001595774	-	Franklin Cleaning Technology OFFense Floor	1	Gallon(GAL)	22-Mar-19
0001595776	-	Franklin Cleaning Technology OFFense Floor	1	Gallon(GAL)	22-Mar-19
0001595777	-	9040 ANTISTATIC SPRAY	1	Quarts(QT)	22-Mar-19
0001595780	-	9040 ANTISTATIC SPRAY	1	Quarts(QT)	22-Mar-19
0001595779	-	9040 ANTISTATIC SPRAY	1	Quarts(QT)	22-Mar-19
0001595778	-	9040 ANTISTATIC SPRAY	1	Quarts(QT)	22-Mar-19
0001595781	67-66-3	CHLOROFORM ANHYDROUS	100	Milliliter(ML)	22-Mar-19
0001595782	5188-07-8	SODIUM THIOMETHOXIDE	5	Gram(GM)	22-Mar-19
0001595783	67-64-1	ACETONE REAGENT ACS	500	Milliliter(ML)	22-Mar-19
0001595839	7697-37-2	NITRIC ACID 70%	2.5	Liters(L)	22-Mar-19
0001595842	7697-37-2	NITRIC ACID 70%	2.5	Liters(L)	22-Mar-19
0001595841	7697-37-2	NITRIC ACID 70%	2.5	Liters(L)	22-Mar-19
0001595840	7697-37-2	NITRIC ACID 70%	2.5	Liters(L)	22-Mar-19
0001595843	111-67-1	2-OCTENE	25	Gram(GM)	22-Mar-19
0001595844	-	SUPER GLUE	3	Gram(GM)	22-Mar-19
0001595850	-	SUPER GLUE	3	Gram(GM)	22-Mar-19
0001595851	-	SUPER GLUE	3	Gram(GM)	22-Mar-19
0001595848	-	SUPER GLUE	3	Gram(GM)	22-Mar-19
0001595847	-	SUPER GLUE	3	Gram(GM)	22-Mar-19
0001595846	-	SUPER GLUE	3	Gram(GM)	22-Mar-19
0001595845	-	SUPER GLUE	3	Gram(GM)	22-Mar-19
0001595849	-	SUPER GLUE	3	Gram(GM)	22-Mar-19
0001595000	7789-75-5	CALCIUM FLUORIDE	500	Gram(GM)	22-Mar-19
0001595784	7087-68-5	N N-DIISOPROPYLETHYLAMINE	100	Milliliter(ML)	25-Mar-19
0001595785	142-90-5	LAURYL METHACRYLATE	100	Milliliter(ML)	25-Mar-19
0001595786	1310-73-2	SODIUM HYDROXIDE PELLETS	100	Gram(GM)	25-Mar-19
0001595787	1310-73-2	SODIUM HYDROXIDE PELLETS	100	Gram(GM)	25-Mar-19
0001595788	109-99-9	TETRAHYDROFURAN ANHYDROUS 99.9%	2	Liters(L)	25-Mar-19
0001595789	109-99-9	TETRAHYDROFURAN ANHYDROUS 99.9%	2	Liters(L)	25-Mar-19
0001595790	627-53-2	DIETHYL SELENIUM	25	Gram(GM)	25-Mar-19
0001595791	-	EPOXY ADHESIVE	3	Ounces(OZ)	25-Mar-19
0001595792	620-02-0	5-METHYL-FURFURAL	25	Gram(GM)	25-Mar-19
0001595793	620-02-0	5-METHYL-FURFURAL	25	Gram(GM)	25-Mar-19
0001573200	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	25-Mar-19
0001573205	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	25-Mar-19
0001573204	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	25-Mar-19
0001573203	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	25-Mar-19
0001573202	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	25-Mar-19

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0001573201	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	25-Mar-19
0001573206	-	SUPER HEAVY DUTY BRAKE FLUID	1	Quarts(QT)	25-Mar-19
0001595795	7440-23-5	SODIUM LUMPS	500	Milliliter(ML)	25-Mar-19
V00000265D	-	Parts Plus SAE 80W-90 GEAR OIL	1	Quarts(QT)	25-Mar-19
0001595852	112-30-1	1-DECANOL	1	Liters(L)	25-Mar-19
0001573207	-	SYNPOWER 75W-90 SYNTHETIC GEAR OIL	1	Quarts(QT)	25-Mar-19
0001573208	-	SYNPOWER 75W-90 SYNTHETIC GEAR OIL	1	Quarts(QT)	25-Mar-19
0001595794	-	SU-8 2075 Resist	500	Milliliter(ML)	25-Mar-19
V00000265E	-	Valvoline HIGH PERFORMANCE SAE 75W-90	1	Quarts(QT)	25-Mar-19
V00000265F	-	Valvoline HIGH PERFORMANCE SAE 75W-90	1	Quarts(QT)	25-Mar-19
0001573209	-	CRC QD ELECTRONIC CLEANER	11	Ounces(OZ)	25-Mar-19
V000002660	-	Lubriplate No. 100/105/107/110/115	10	Ounces(OZ)	25-Mar-19
0001573210	-	SENSOR-SAFE BLUE RTV SILICONE GASKET	3	Ounces(OZ)	25-Mar-19
V000002666	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	25-Mar-19
V000002661	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	25-Mar-19
V000002662	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	25-Mar-19
V000002663	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	25-Mar-19
V00000266C	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	25-Mar-19
V000002665	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	25-Mar-19
V000002664	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	25-Mar-19
V00000266F	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	25-Mar-19
V00000266D	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	25-Mar-19
V000002670	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	25-Mar-19
V00000266B	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	25-Mar-19
V00000266A	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	25-Mar-19
V000002669	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	25-Mar-19
V000002668	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	25-Mar-19
V000002667	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	25-Mar-19
V00000266E	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	25-Mar-19
V000002682	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002680	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002681	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000267F	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002683	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002684	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002685	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000267E	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002687	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002677	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002688	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002686	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000267D	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000267C	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000267B	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000267A	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002678	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002676	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002675	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	25-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002674	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002673	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002672	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002671	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002679	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002690	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	25-Mar-19
V00000268D	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	25-Mar-19
V00000268C	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	25-Mar-19
V00000268B	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	25-Mar-19
V00000268A	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	25-Mar-19
V000002689	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	25-Mar-19
V00000268E	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	25-Mar-19
V00000268F	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	25-Mar-19
V000002691	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	25-Mar-19
V000002693	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	25-Mar-19
V000002692	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	25-Mar-19
0001573211	-	LUBRIPLATE CHAIN AND CABLE FLUID	11	Ounces(OZ)	25-Mar-19
0001573212	-	LUBRIPLATE CHAIN AND CABLE FLUID	11	Ounces(OZ)	25-Mar-19
0001573213	-	ULTRA BLACK GASKET MAKER	3.35	Ounces(OZ)	25-Mar-19
0001573214	-	ULTRA BLACK GASKET MAKER	3.35	Ounces(OZ)	25-Mar-19
0001573215	-	ULTRA BLACK GASKET MAKER	3.35	Ounces(OZ)	25-Mar-19
0001573216	-	KRYLON ColorMaster with Covermax Technology	12	Ounces(OZ)	25-Mar-19
0001573217	-	KRYLON ColorMaster with Covermax Technology	12	Ounces(OZ)	25-Mar-19
0001573218	-	14AR THREAD SEALANT W/PTFE	1	Ounces(OZ)	25-Mar-19
0001573219	-	14AR THREAD SEALANT W/PTFE	1	Ounces(OZ)	25-Mar-19
0001573220	-	14AR THREAD SEALANT W/PTFE	1	Ounces(OZ)	25-Mar-19
0001573221	-	WD-40 NON-AEROSOL	20	Ounces(OZ)	25-Mar-19
V000002697	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	25-Mar-19
V00000269D	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	25-Mar-19
V000002694	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	25-Mar-19
V000002696	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	25-Mar-19
V000002698	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	25-Mar-19
V000002699	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	25-Mar-19
V00000269A	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	25-Mar-19
V00000269B	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	25-Mar-19
V00000269C	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	25-Mar-19
V000002695	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	25-Mar-19
0001573222	-	Brakleen Brake Parts Cleaner - Non-chlorinated	14	Ounces(OZ)	25-Mar-19
0001573223	-	Brakleen Brake Parts Cleaner - Non-chlorinated	14	Ounces(OZ)	25-Mar-19
V0000026B5	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026B2	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026B3	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026B4	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026B7	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026B6	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026A5	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000269E	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026A0	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	25-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V0000026A1	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026A2	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000269F	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026A4	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026B1	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026A6	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026A7	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026AF	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026A3	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026B0	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026A8	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026AE	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026AD	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026AC	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026AB	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026AA	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026A9	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026C8	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026B8	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026B9	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026BA	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026BB	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026BC	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026BD	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026E1	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026C6	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026ED	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026EC	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026EB	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026EA	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026E9	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026E8	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026E7	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026E6	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026E5	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026E4	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026EF	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026E2	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026F0	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000270C	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000270D	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000270E	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000270F	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002710	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002711	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002712	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002713	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002714	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002715	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002716	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002717	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026E3	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026FD	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000270A	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002709	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002708	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002707	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002706	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002705	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002704	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002703	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002702	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002701	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002700	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026EE	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026FE	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000271A	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026FC	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026FB	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026FA	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026F9	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026F8	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026F7	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026F6	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026F5	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026F4	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026F3	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026F2	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026F1	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026FF	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026C9	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026D4	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026D3	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002719	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026D1	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002718	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026CF	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026CE	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026CD	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026CC	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026D5	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026CA	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026D2	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000270B	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026C7	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026C5	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V0000026C4	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026C3	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026C2	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026C1	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026C0	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026BF	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026CB	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026E0	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026D0	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026D6	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026BE	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026DF	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026DE	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026DD	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026D8	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026DB	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026DA	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026D9	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026DC	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V0000026D7	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000271B	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000272E	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002721	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002720	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000271F	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000271D	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000271C	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002722	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002729	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000271E	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002723	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000272D	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000273B	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000272C	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000272A	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002728	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002727	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002726	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002725	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002724	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000272B	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000275E	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002755	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002773	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002772	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002771	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002770	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000276F	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V00000276D	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002761	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000275F	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002762	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000275D	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000275C	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000275B	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000275A	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002759	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002758	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002757	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002756	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002760	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002778	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000272F	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002739	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000277F	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000277E	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000277D	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000277C	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000277B	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002774	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002779	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000276C	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002777	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002776	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002775	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002767	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002766	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002765	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002764	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002763	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000277A	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002754	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002740	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000273F	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000273E	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000273D	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000273C	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000273A	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002738	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002737	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002741	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002735	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002734	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002733	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000276E	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002731	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002730	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000276B	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000276A	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002769	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002768	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002736	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002752	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002732	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002742	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002753	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002751	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002750	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000274F	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000274E	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000274D	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000274C	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000274B	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002745	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002749	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002748	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002743	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002747	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002746	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002744	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V00000274A	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002782	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002780	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002783	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
V000002781	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	25-Mar-19
0001573224	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	25-Mar-19
0001573225	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	25-Mar-19
0001573226	-	CRC QD ELECTRONIC CLEANER	11	Ounces(OZ)	25-Mar-19
0001573227	-	DRY FILM MOLY LUBRICANT LU 200	11	Ounces(OZ)	25-Mar-19
0001573228	-	White Lithium Grease (aerosol)	10	Ounces(OZ)	25-Mar-19
V000002787	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	25-Mar-19
V000002786	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	25-Mar-19
V000002788	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	25-Mar-19
V000002789	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	25-Mar-19
V000002785	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	25-Mar-19
V000002784	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	25-Mar-19
0001573229	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573271	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573308	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573276	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573275	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573274	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573297	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573263	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001573255	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573256	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573257	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573258	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573259	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573260	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573273	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573262	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573272	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573264	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573265	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573266	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573267	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573268	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573269	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573270	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573261	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573303	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573284	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573277	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573291	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573290	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573312	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573278	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573293	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573302	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573294	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573311	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573280	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573310	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573295	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573300	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573299	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573298	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573279	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573287	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573237	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573309	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573281	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573283	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573307	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573282	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573292	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573286	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573254	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573285	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573296	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573288	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001573289	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573304	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573305	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573306	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573301	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573241	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573239	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573253	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573230	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573231	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573232	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573233	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573238	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573234	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573235	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573240	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573242	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573243	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573244	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573245	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573246	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573247	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573248	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573249	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573250	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573251	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573252	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573236	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	25-Mar-19
0001573313	-	Super White Multi-Purpose Lithium Grease	14	Ounces(OZ)	25-Mar-19
0001573314	-	THREAD LOCKER LOCTITE 242	0.34	Ounces(OZ)	25-Mar-19
0001573315	-	Parts Plus Type F ATF	1	Quarts(QT)	25-Mar-19
0001573318	-	Parts Plus Type F ATF	1	Quarts(QT)	25-Mar-19
0001573321	-	Parts Plus Type F ATF	1	Quarts(QT)	25-Mar-19
0001573320	-	Parts Plus Type F ATF	1	Quarts(QT)	25-Mar-19
0001573319	-	Parts Plus Type F ATF	1	Quarts(QT)	25-Mar-19
0001573316	-	Parts Plus Type F ATF	1	Quarts(QT)	25-Mar-19
0001573317	-	Parts Plus Type F ATF	1	Quarts(QT)	25-Mar-19
0001573322	-	PARTS Master +4 AUTOMATIC TRANSMISSION	1	Quarts(QT)	25-Mar-19
0001573323	-	PARTS Master +4 AUTOMATIC TRANSMISSION	1	Quarts(QT)	25-Mar-19
0001573324	-	PARTS Master +4 AUTOMATIC TRANSMISSION	1	Quarts(QT)	25-Mar-19
V00000278B	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	25-Mar-19
V000002792	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	25-Mar-19
V000002791	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	25-Mar-19
V000002790	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	25-Mar-19
V00000278F	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	25-Mar-19
V00000278E	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	25-Mar-19
V00000278C	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	25-Mar-19
V00000278A	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	25-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002795	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	25-Mar-19
V000002796	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	25-Mar-19
V000002793	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	25-Mar-19
V000002794	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	25-Mar-19
V00000278D	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	25-Mar-19
0001502696	-	Chevron Hydraulic Oil AW 32 46 68	5	Gallon(GAL)	26-Mar-19
0001502701	-	Chevron Hydraulic Oil AW 32 46 68	5	Gallon(GAL)	26-Mar-19
0001502697	-	Chevron Hydraulic Oil AW 32 46 68	5	Gallon(GAL)	26-Mar-19
0001502699	-	Chevron Hydraulic Oil AW 32 46 68	5	Gallon(GAL)	26-Mar-19
0001502698	-	Chevron Hydraulic Oil AW 32 46 68	5	Gallon(GAL)	26-Mar-19
0001502702	-	Chevron Hydraulic Oil AW 32 46 68	5	Gallon(GAL)	26-Mar-19
0001502703	-	Chevron Hydraulic Oil AW 32 46 68	5	Gallon(GAL)	26-Mar-19
0001502700	-	Chevron Hydraulic Oil AW 32 46 68	5	Gallon(GAL)	26-Mar-19
0001418147	7085-85-0	ETHYL CYANOACRYLATE	0.7	Ounces(OZ)	26-Mar-19
0001595588	-	STANDBY V-100 EPOXY GROUT X22	22	Pounds(LB)	26-Mar-19
0001595589	-	STANDBY V-100 EPOXY GROUT X22	22	Pounds(LB)	26-Mar-19
0001595590	-	STANDBY V-100 EPOXY GROUT X22	22	Pounds(LB)	26-Mar-19
0001595721	67-63-0	2-PROPANOL	4	Liters(L)	26-Mar-19
0001595724	67-63-0	2-PROPANOL	4	Liters(L)	26-Mar-19
0001595723	67-63-0	2-PROPANOL	4	Liters(L)	26-Mar-19
0001595722	67-63-0	2-PROPANOL	4	Liters(L)	26-Mar-19
0001595725	13465-08-2	HYDROXYLAMINE NITRATE	500	Milliliter(ML)	26-Mar-19
0001595734	13465-08-2	HYDROXYLAMINE NITRATE	500	Milliliter(ML)	26-Mar-19
0001595731	13465-08-2	HYDROXYLAMINE NITRATE	500	Milliliter(ML)	26-Mar-19
0001595730	13465-08-2	HYDROXYLAMINE NITRATE	500	Milliliter(ML)	26-Mar-19
0001595729	13465-08-2	HYDROXYLAMINE NITRATE	500	Milliliter(ML)	26-Mar-19
0001595728	13465-08-2	HYDROXYLAMINE NITRATE	500	Milliliter(ML)	26-Mar-19
0001595727	13465-08-2	HYDROXYLAMINE NITRATE	500	Milliliter(ML)	26-Mar-19
0001595733	13465-08-2	HYDROXYLAMINE NITRATE	500	Milliliter(ML)	26-Mar-19
0001595735	13465-08-2	HYDROXYLAMINE NITRATE	500	Milliliter(ML)	26-Mar-19
0001595732	13465-08-2	HYDROXYLAMINE NITRATE	500	Milliliter(ML)	26-Mar-19
0001595726	13465-08-2	HYDROXYLAMINE NITRATE	500	Milliliter(ML)	26-Mar-19
0001420888	-	SNOOP	8	Ounces(OZ)	26-Mar-19
V00000279E	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	26-Mar-19
V00000279D	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	26-Mar-19
V0000027A0	-	Valvoline HIGH PERFORMANCE SAE 75W-90	1	Quarts(QT)	26-Mar-19
V00000279F	-	Valvoline HIGH PERFORMANCE SAE 75W-90	1	Quarts(QT)	26-Mar-19
0001420889	-	POUROUS BOILING CHIPS	8	Ounces(OZ)	26-Mar-19
0001420887	-	SHREDDER OIL	8	Ounces(OZ)	26-Mar-19
0001595796	-	Bright Dyes FLT Yellow/Green Liquid	1	Gallon(GAL)	26-Mar-19
0001573325	-	Valvoline HIGH PERFORMANCE SAE 85W-140	1	Quarts(QT)	26-Mar-19
0001595797	110-54-3	HEXANE (HEXANE ANHYDROUS)	100	Milliliter(ML)	26-Mar-19
0001595799	110-54-3	HEXANE (HEXANE ANHYDROUS)	100	Milliliter(ML)	26-Mar-19
0001595798	110-54-3	HEXANE (HEXANE ANHYDROUS)	100	Milliliter(ML)	26-Mar-19
0001595800	123-54-6	ACETYLACETONE	100	Milliliter(ML)	26-Mar-19
0001595801	75-98-9	TRIMETHYLACETIC ACID	100	Milliliter(ML)	26-Mar-19
0001595802	75-98-9	TRIMETHYLACETIC ACID	100	Milliliter(ML)	26-Mar-19
0001595803	75-05-8	ACETONITRILE ANHYDROUS	2	Liters(L)	26-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001595804	75-05-8	ACETONITRILE ANHYDROUS	2	Liters(L)	26-Mar-19
0001573326	-	DOW CORNING HIGH VACUUM GREASE	5.3	Ounces(OZ)	26-Mar-19
0001573327	-	DOW CORNING HIGH VACUUM GREASE	5.3	Ounces(OZ)	26-Mar-19
V0000027A1	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	26-Mar-19
V0000027A2	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	26-Mar-19
V0000027A7	-	RV ANTIFREEZE	1	Gallon(GAL)	26-Mar-19
V0000027A3	-	RV ANTIFREEZE	1	Gallon(GAL)	26-Mar-19
V0000027A6	-	RV ANTIFREEZE	1	Gallon(GAL)	26-Mar-19
V0000027A5	-	RV ANTIFREEZE	1	Gallon(GAL)	26-Mar-19
V0000027A4	-	RV ANTIFREEZE	1	Gallon(GAL)	26-Mar-19
0001573328	-	Castrol Transynd Allison Transmission Fluid	5	Gallon(GAL)	26-Mar-19
0001595805	77-73-6	DICYCLOPENTADIENE	500	Gram(GM)	26-Mar-19
0001502704	-	LYSOL BRAND III	12.5	Ounces(OZ)	26-Mar-19
0001502712	-	LYSOL BRAND III	12.5	Ounces(OZ)	26-Mar-19
0001502715	-	LYSOL BRAND III	12.5	Ounces(OZ)	26-Mar-19
0001502713	-	LYSOL BRAND III	12.5	Ounces(OZ)	26-Mar-19
0001502714	-	LYSOL BRAND III	12.5	Ounces(OZ)	26-Mar-19
0001502711	-	LYSOL BRAND III	12.5	Ounces(OZ)	26-Mar-19
0001502710	-	LYSOL BRAND III	12.5	Ounces(OZ)	26-Mar-19
0001502709	-	LYSOL BRAND III	12.5	Ounces(OZ)	26-Mar-19
0001502708	-	LYSOL BRAND III	12.5	Ounces(OZ)	26-Mar-19
0001502707	-	LYSOL BRAND III	12.5	Ounces(OZ)	26-Mar-19
0001502706	-	LYSOL BRAND III	12.5	Ounces(OZ)	26-Mar-19
0001502705	-	LYSOL BRAND III	12.5	Ounces(OZ)	26-Mar-19
V0000027B9	-	ARDEX FEATHER FINISH	10	Pounds(LB)	26-Mar-19
V0000027B8	-	ARDEX FEATHER FINISH	10	Pounds(LB)	26-Mar-19
V0000027B7	-	ARDEX FEATHER FINISH	10	Pounds(LB)	26-Mar-19
V0000027BA	-	ARDEX FEATHER FINISH	10	Pounds(LB)	26-Mar-19
V0000027AF	-	ARDEX FEATHER FINISH	10	Pounds(LB)	26-Mar-19
V0000027A8	-	ARDEX FEATHER FINISH	10	Pounds(LB)	26-Mar-19
V0000027A9	-	ARDEX FEATHER FINISH	10	Pounds(LB)	26-Mar-19
V0000027AA	-	ARDEX FEATHER FINISH	10	Pounds(LB)	26-Mar-19
V0000027AB	-	ARDEX FEATHER FINISH	10	Pounds(LB)	26-Mar-19
V0000027AC	-	ARDEX FEATHER FINISH	10	Pounds(LB)	26-Mar-19
V0000027BB	-	ARDEX FEATHER FINISH	10	Pounds(LB)	26-Mar-19
V0000027AE	-	ARDEX FEATHER FINISH	10	Pounds(LB)	26-Mar-19
V0000027B6	-	ARDEX FEATHER FINISH	10	Pounds(LB)	26-Mar-19
V0000027B0	-	ARDEX FEATHER FINISH	10	Pounds(LB)	26-Mar-19
V0000027B1	-	ARDEX FEATHER FINISH	10	Pounds(LB)	26-Mar-19
V0000027B2	-	ARDEX FEATHER FINISH	10	Pounds(LB)	26-Mar-19
V0000027B3	-	ARDEX FEATHER FINISH	10	Pounds(LB)	26-Mar-19
V0000027B4	-	ARDEX FEATHER FINISH	10	Pounds(LB)	26-Mar-19
V0000027B5	-	ARDEX FEATHER FINISH	10	Pounds(LB)	26-Mar-19
V0000027AD	-	ARDEX FEATHER FINISH	10	Pounds(LB)	26-Mar-19
0001502716	-	PLAZA PLUS Sealer/Finish	5	Gallon(GAL)	26-Mar-19
0001502717	-	PLAZA PLUS Sealer/Finish	5	Gallon(GAL)	26-Mar-19
0001595806	122-51-0	TRIETHYL ORTHOFORMATE ANHYDROUS 99+%	100	Milliliter(ML)	26-Mar-19
0001502718	-	Rando HD 32 46 68	5	Gallon(GAL)	26-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001595807	5329-14-6	SULFAMIC ACID	100	Gram(GM)	26-Mar-19
0001502721	-	Rando HD 32 46 68	5	Gallon(GAL)	26-Mar-19
0001502719	-	Rando HD 32 46 68	5	Gallon(GAL)	26-Mar-19
0001502720	-	Rando HD 32 46 68	5	Gallon(GAL)	26-Mar-19
0001595808	2234-82-4	n-Propylmagnesium chloride solution	25	Milliliter(ML)	26-Mar-19
0001595809	2234-82-4	n-Propylmagnesium chloride solution	25	Milliliter(ML)	26-Mar-19
0001595810	2234-82-4	n-Propylmagnesium chloride solution	25	Milliliter(ML)	26-Mar-19
0001595811	2234-82-4	n-Propylmagnesium chloride solution	25	Milliliter(ML)	26-Mar-19
0001595812	592-76-7	1-HEPTENE	100	Milliliter(ML)	26-Mar-19
0001502332	-	Rando HD 32 46 68	5	Gallon(GAL)	26-Mar-19
0001502334	-	Rando HD 32 46 68	5	Gallon(GAL)	26-Mar-19
0001502333	-	Rando HD 32 46 68	5	Gallon(GAL)	26-Mar-19
0001502695	-	Rando HD 32 46 68	5	Gallon(GAL)	26-Mar-19
0001502692	-	Rando HD 32 46 68	5	Gallon(GAL)	26-Mar-19
0001502691	-	Rando HD 32 46 68	5	Gallon(GAL)	26-Mar-19
0001502693	-	Rando HD 32 46 68	5	Gallon(GAL)	26-Mar-19
0001502694	-	Rando HD 32 46 68	5	Gallon(GAL)	26-Mar-19
0001595813	-	LPS LABORATORY HEAVY-DUTY RUST INHIBITOR	16	Ounces(OZ)	26-Mar-19
0001595815	-	LPS LABORATORY HEAVY-DUTY RUST INHIBITOR	16	Ounces(OZ)	26-Mar-19
0001595814	-	LPS LABORATORY HEAVY-DUTY RUST INHIBITOR	16	Ounces(OZ)	26-Mar-19
0001595816	104-15-4	Chlorine Free Indicator Solution 473 mL	473	Milliliter(ML)	26-Mar-19
0001595817	104-15-4	Chlorine Free Indicator Solution 473 mL	473	Milliliter(ML)	26-Mar-19
0001595818	7440-21-3	SILICON	1	Pint(PT)	26-Mar-19
0001595823	7440-21-3	SILICON	1	Pint(PT)	26-Mar-19
0001595819	7440-21-3	SILICON	1	Pint(PT)	26-Mar-19
0001595820	7440-21-3	SILICON	1	Pint(PT)	26-Mar-19
0001595821	7440-21-3	SILICON	1	Pint(PT)	26-Mar-19
0001595822	7440-21-3	SILICON	1	Pint(PT)	26-Mar-19
0001595824	54221-96-4	6-Methoxy-2-pyridinecarboxaldehyde	25	Gram(GM)	26-Mar-19
0001595825	7647-10-1	PALLADIUM(II) CHLORIDE	25	Gram(GM)	26-Mar-19
0001595826	7439-89-6	IRON POWDER	10	Gram(GM)	26-Mar-19
0001595827	108-95-2	PHENOL-CHLOROFORM-ISOAMYL ALCOHOL	400	Milliliter(ML)	26-Mar-19
0001595828	32005-36-0	BIS(DIBENZYLIDENE ACETONE) PALLADIUM (0)	5	Gram(GM)	26-Mar-19
0001595829	501-65-5	DIPHENYLACETYLENE TOLAN	25	Gram(GM)	26-Mar-19
0001595830	56-86-0	L-GLUTAMIC ACID	100	Gram(GM)	26-Mar-19
0001595831	56-86-0	L-GLUTAMIC ACID	100	Gram(GM)	26-Mar-19
0001595832	1824-81-3	2-Amino-6-methylpyridine	100	Gram(GM)	26-Mar-19
0001564804	-	Nitrogen UHP	220	Cubic Feet(CF)	26-Mar-19
0001564819	-	Nitrogen UHP	220	Cubic Feet(CF)	26-Mar-19
0001564805	-	Nitrogen UHP	220	Cubic Feet(CF)	26-Mar-19
0001564806	-	Nitrogen UHP	220	Cubic Feet(CF)	26-Mar-19
0001564807	-	Nitrogen UHP	220	Cubic Feet(CF)	26-Mar-19
0001564808	-	Nitrogen UHP	220	Cubic Feet(CF)	26-Mar-19
0001564809	-	Nitrogen UHP	220	Cubic Feet(CF)	26-Mar-19
0001564810	-	Nitrogen UHP	220	Cubic Feet(CF)	26-Mar-19
0001564811	-	Nitrogen UHP	220	Cubic Feet(CF)	26-Mar-19
0001564820	-	Nitrogen UHP	220	Cubic Feet(CF)	26-Mar-19
0001564813	-	Nitrogen UHP	220	Cubic Feet(CF)	26-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001564814	-	Nitrogen UHP	220	Cubic Feet(CF)	26-Mar-19
0001564815	-	Nitrogen UHP	220	Cubic Feet(CF)	26-Mar-19
0001564816	-	Nitrogen UHP	220	Cubic Feet(CF)	26-Mar-19
0001564817	-	Nitrogen UHP	220	Cubic Feet(CF)	26-Mar-19
0001564818	-	Nitrogen UHP	220	Cubic Feet(CF)	26-Mar-19
0001564821	-	Nitrogen UHP	220	Cubic Feet(CF)	26-Mar-19
0001564812	-	Nitrogen UHP	220	Cubic Feet(CF)	26-Mar-19
0001564822	-	Nitrogen UHP	220	Cubic Feet(CF)	26-Mar-19
0001564834	-	Nitrogen UHP	220	Cubic Feet(CF)	26-Mar-19
0001564824	-	Nitrogen UHP	220	Cubic Feet(CF)	26-Mar-19
0001564825	-	Nitrogen UHP	220	Cubic Feet(CF)	26-Mar-19
0001564826	-	Nitrogen UHP	220	Cubic Feet(CF)	26-Mar-19
0001564827	-	Nitrogen UHP	220	Cubic Feet(CF)	26-Mar-19
0001564828	-	Nitrogen UHP	220	Cubic Feet(CF)	26-Mar-19
0001564831	-	Nitrogen UHP	220	Cubic Feet(CF)	26-Mar-19
0001564832	-	Nitrogen UHP	220	Cubic Feet(CF)	26-Mar-19
0001564833	-	Nitrogen UHP	220	Cubic Feet(CF)	26-Mar-19
0001564823	-	Nitrogen UHP	220	Cubic Feet(CF)	26-Mar-19
0001564829	-	Nitrogen UHP	220	Cubic Feet(CF)	26-Mar-19
0001564830	-	Nitrogen UHP	220	Cubic Feet(CF)	26-Mar-19
V0000027DC	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Mar-19
V0000027CC	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Mar-19
V0000027DD	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Mar-19
V0000027BC	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Mar-19
V0000027CB	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Mar-19
V0000027CA	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Mar-19
V0000027D8	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Mar-19
V0000027DB	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Mar-19
V0000027CD	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Mar-19
V0000027D5	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Mar-19
V0000027DA	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Mar-19
V0000027CE	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Mar-19
V0000027CF	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Mar-19
V0000027D0	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Mar-19
V0000027D6	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Mar-19
V0000027D3	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Mar-19
V0000027D4	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Mar-19
V0000027DE	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Mar-19
V0000027BD	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Mar-19
V0000027C2	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Mar-19
V0000027D1	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Mar-19
V0000027D2	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Mar-19
V0000027D7	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Mar-19
V0000027D9	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Mar-19
V0000027C8	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Mar-19
V0000027C9	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Mar-19
V0000027E4	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Mar-19
V0000027E3	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V0000027E2	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Mar-19
V0000027C0	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Mar-19
V0000027C6	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Mar-19
V0000027DF	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Mar-19
V0000027C5	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Mar-19
V0000027C4	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Mar-19
V0000027C3	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Mar-19
V0000027C7	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Mar-19
V0000027C1	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Mar-19
V0000027BF	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Mar-19
V0000027E5	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Mar-19
V0000027BE	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Mar-19
V0000027E1	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Mar-19
V0000027E0	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	26-Mar-19
0001595833	7789-20-0	DEUTERIUM OXIDE 99.9 ATOM % D	1	Milliliter(ML)	27-Mar-19
0001595834	7789-20-0	DEUTERIUM OXIDE 99.9 ATOM % D	1	Milliliter(ML)	27-Mar-19
0001595853	-	CASPASE-3 FLUOROMETRIC KIT	150	Milliliter(ML)	27-Mar-19
0001595854	7697-37-2	NITRIC ACID TRACEMETAL	2.5	Liters(L)	27-Mar-19
0001595868	7697-37-2	NITRIC ACID TRACEMETAL	2.5	Liters(L)	27-Mar-19
0001595869	7697-37-2	NITRIC ACID TRACEMETAL	2.5	Liters(L)	27-Mar-19
0001595860	7697-37-2	NITRIC ACID TRACEMETAL	2.5	Liters(L)	27-Mar-19
0001595871	7697-37-2	NITRIC ACID TRACEMETAL	2.5	Liters(L)	27-Mar-19
0001595873	7697-37-2	NITRIC ACID TRACEMETAL	2.5	Liters(L)	27-Mar-19
0001595872	7697-37-2	NITRIC ACID TRACEMETAL	2.5	Liters(L)	27-Mar-19
0001595870	7697-37-2	NITRIC ACID TRACEMETAL	2.5	Liters(L)	27-Mar-19
0001595855	7697-37-2	NITRIC ACID TRACEMETAL	2.5	Liters(L)	27-Mar-19
0001595856	7697-37-2	NITRIC ACID TRACEMETAL	2.5	Liters(L)	27-Mar-19
0001595857	7697-37-2	NITRIC ACID TRACEMETAL	2.5	Liters(L)	27-Mar-19
0001595875	7697-37-2	NITRIC ACID TRACEMETAL	2.5	Liters(L)	27-Mar-19
0001595859	7697-37-2	NITRIC ACID TRACEMETAL	2.5	Liters(L)	27-Mar-19
0001595876	7697-37-2	NITRIC ACID TRACEMETAL	2.5	Liters(L)	27-Mar-19
0001595861	7697-37-2	NITRIC ACID TRACEMETAL	2.5	Liters(L)	27-Mar-19
0001595862	7697-37-2	NITRIC ACID TRACEMETAL	2.5	Liters(L)	27-Mar-19
0001595863	7697-37-2	NITRIC ACID TRACEMETAL	2.5	Liters(L)	27-Mar-19
0001595864	7697-37-2	NITRIC ACID TRACEMETAL	2.5	Liters(L)	27-Mar-19
0001595865	7697-37-2	NITRIC ACID TRACEMETAL	2.5	Liters(L)	27-Mar-19
0001595866	7697-37-2	NITRIC ACID TRACEMETAL	2.5	Liters(L)	27-Mar-19
0001595867	7697-37-2	NITRIC ACID TRACEMETAL	2.5	Liters(L)	27-Mar-19
0001595858	7697-37-2	NITRIC ACID TRACEMETAL	2.5	Liters(L)	27-Mar-19
0001595877	7697-37-2	NITRIC ACID TRACEMETAL	2.5	Liters(L)	27-Mar-19
0001595878	7697-37-2	NITRIC ACID TRACEMETAL	2.5	Liters(L)	27-Mar-19
0001595879	7697-37-2	NITRIC ACID TRACEMETAL	2.5	Liters(L)	27-Mar-19
0001595880	7697-37-2	NITRIC ACID TRACEMETAL	2.5	Liters(L)	27-Mar-19
0001595881	7697-37-2	NITRIC ACID TRACEMETAL	2.5	Liters(L)	27-Mar-19
0001595882	7697-37-2	NITRIC ACID TRACEMETAL	2.5	Liters(L)	27-Mar-19
0001595883	7697-37-2	NITRIC ACID TRACEMETAL	2.5	Liters(L)	27-Mar-19
0001595874	7697-37-2	NITRIC ACID TRACEMETAL	2.5	Liters(L)	27-Mar-19
0001595884	7664-39-3	HYDROFLUORIC ACID	500	Milliliter(ML)	27-Mar-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001595889	7664-39-3	HYDROFLUORIC ACID	500	Milliliter(ML)	27-Mar-19
0001595890	7664-39-3	HYDROFLUORIC ACID	500	Milliliter(ML)	27-Mar-19
0001595891	7664-39-3	HYDROFLUORIC ACID	500	Milliliter(ML)	27-Mar-19
0001595892	7664-39-3	HYDROFLUORIC ACID	500	Milliliter(ML)	27-Mar-19
0001595893	7664-39-3	HYDROFLUORIC ACID	500	Milliliter(ML)	27-Mar-19
0001595887	7664-39-3	HYDROFLUORIC ACID	500	Milliliter(ML)	27-Mar-19
0001595885	7664-39-3	HYDROFLUORIC ACID	500	Milliliter(ML)	27-Mar-19
0001595888	7664-39-3	HYDROFLUORIC ACID	500	Milliliter(ML)	27-Mar-19
0001595886	7664-39-3	HYDROFLUORIC ACID	500	Milliliter(ML)	27-Mar-19
0001595894	57-13-6	UREA REAGENT ACS	500	Gram(GM)	27-Mar-19
0001595900	57-13-6	UREA REAGENT ACS	500	Gram(GM)	27-Mar-19
0001595898	57-13-6	UREA REAGENT ACS	500	Gram(GM)	27-Mar-19
0001595902	57-13-6	UREA REAGENT ACS	500	Gram(GM)	27-Mar-19
0001595908	57-13-6	UREA REAGENT ACS	500	Gram(GM)	27-Mar-19
0001595907	57-13-6	UREA REAGENT ACS	500	Gram(GM)	27-Mar-19
0001595906	57-13-6	UREA REAGENT ACS	500	Gram(GM)	27-Mar-19
0001595905	57-13-6	UREA REAGENT ACS	500	Gram(GM)	27-Mar-19
0001595904	57-13-6	UREA REAGENT ACS	500	Gram(GM)	27-Mar-19
0001595903	57-13-6	UREA REAGENT ACS	500	Gram(GM)	27-Mar-19
0001595899	57-13-6	UREA REAGENT ACS	500	Gram(GM)	27-Mar-19
0001595897	57-13-6	UREA REAGENT ACS	500	Gram(GM)	27-Mar-19
0001595896	57-13-6	UREA REAGENT ACS	500	Gram(GM)	27-Mar-19
0001595901	57-13-6	UREA REAGENT ACS	500	Gram(GM)	27-Mar-19
0001595895	57-13-6	UREA REAGENT ACS	500	Gram(GM)	27-Mar-19
0001595909	10294-41-4	CERIUM(III) NITRATE HEXAHYDRATE	100	Gram(GM)	27-Mar-19
0001595910	141-52-6	SODIUM ETHOXIDE	100	Gram(GM)	27-Mar-19
0001595736	67-68-5	Alkaline Phosphatase Live Stain	50	Microliter	27-Mar-19
0001595737	60-29-7	DIETHYL ETHER	1	Liters(L)	27-Mar-19
0001595741	60-29-7	DIETHYL ETHER	1	Liters(L)	27-Mar-19
0001595742	60-29-7	DIETHYL ETHER	1	Liters(L)	27-Mar-19
0001595740	60-29-7	DIETHYL ETHER	1	Liters(L)	27-Mar-19
0001595739	60-29-7	DIETHYL ETHER	1	Liters(L)	27-Mar-19
0001595738	60-29-7	DIETHYL ETHER	1	Liters(L)	27-Mar-19
0001595836	-	Loctite X-NMS Clean Up Solvent	1.75	Ounces(OZ)	27-Mar-19
0001595837	3592-25-4	1 5-Dichloropentan-3-one	1	Gram(GM)	27-Mar-19
0001595838	69950-65-8	Methyl 6-formyl-2-pyridinecarboxylate	25	Gram(GM)	27-Mar-19
0001595911	-	YTTRIUM STANDARD SOLUTION	125	Milliliter(ML)	27-Mar-19
0001595912	-	TERBIUM STANDARD SOLUTION	125	Milliliter(ML)	27-Mar-19
0001595913	-	TELLURIUM STANDARD SOLUTION	125	Milliliter(ML)	27-Mar-19
0001595914	-	SCANDIUM STANDARD SOLUTION	125	Milliliter(ML)	27-Mar-19
0001595915	-	IV-ICPMS-71A Icp-Ms Complete Standard	125	Milliliter(ML)	27-Mar-19
0001595916	-	PRECIOUS METALS STANDARD	125	Milliliter(ML)	27-Mar-19
0001595917	-	ICP-MS REFRACTORY STANDARD	125	Milliliter(ML)	27-Mar-19
0001595918	-	INTERNAL STANDARD	125	Milliliter(ML)	27-Mar-19
0001595919	-	HOLMIUM STANDARD SOLUTION	125	Milliliter(ML)	27-Mar-19
0001595920	7775-09-9	SODIUM CHLORATE	100	Gram(GM)	27-Mar-19
0001595921	20667-12-3	SILVER OXIDE	25	Gram(GM)	27-Mar-19
0001595922	7784-27-2	ALUMINUM NITRATE NONAHYDRATE	25	Gram(GM)	27-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001595923	-	INDIUM(III) NITRATE HYDRATE	25	Gram(GM)	27-Mar-19
0001595924	3012-65-5	AMMONIUM CITRATE DIBASIC	100	Gram(GM)	27-Mar-19
0001595925	-	Gold nanoparticles	25	Milliliter(ML)	27-Mar-19
0001595926	-	Gold nanoparticles	25	Milliliter(ML)	27-Mar-19
0001595927	75-09-2	DICHLOROMETHANE	500	Milliliter(ML)	27-Mar-19
0001146456	-	NALCO 7408 CHLORINE SCAVENGER SOLUTION	55	Gallon(GAL)	27-Mar-19
0001146457	-	NALCO 8735 ALKALINEITY SO	639	Pounds(LB)	27-Mar-19
0001146458	-	Nalco 22341	503	Pounds(LB)	27-Mar-19
0001146459	7786-30-3	MAGNESIUM CHLORIDE	30001	Gallon(GAL)	27-Mar-19
0001146460	7732-18-5	Hydrochloric Acid 30-31%	3000	Pounds(LB)	27-Mar-19
0001564835	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Mar-19
0001564847	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Mar-19
0001564843	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Mar-19
0001564836	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Mar-19
0001564848	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Mar-19
0001564846	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Mar-19
0001564845	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Mar-19
0001564849	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Mar-19
0001564842	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Mar-19
0001564841	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Mar-19
0001564840	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Mar-19
0001564839	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Mar-19
0001564838	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Mar-19
0001564837	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Mar-19
0001564844	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Mar-19
0001564712	7440-59-7	Helium UHP	220	Cubic Feet(CF)	28-Mar-19
0001564733	7440-59-7	Helium UHP	220	Cubic Feet(CF)	28-Mar-19
0001564731	7440-59-7	Helium UHP	220	Cubic Feet(CF)	28-Mar-19
0001564736	7440-59-7	Helium UHP	220	Cubic Feet(CF)	28-Mar-19
0001564734	7440-59-7	Helium UHP	220	Cubic Feet(CF)	28-Mar-19
0001564732	7440-59-7	Helium UHP	220	Cubic Feet(CF)	28-Mar-19
0001564715	7440-59-7	Helium UHP	220	Cubic Feet(CF)	28-Mar-19
0001564718	7440-59-7	Helium UHP	220	Cubic Feet(CF)	28-Mar-19
0001564719	7440-59-7	Helium UHP	220	Cubic Feet(CF)	28-Mar-19
0001564720	7440-59-7	Helium UHP	220	Cubic Feet(CF)	28-Mar-19
0001564721	7440-59-7	Helium UHP	220	Cubic Feet(CF)	28-Mar-19
0001564722	7440-59-7	Helium UHP	220	Cubic Feet(CF)	28-Mar-19
0001564723	7440-59-7	Helium UHP	220	Cubic Feet(CF)	28-Mar-19
0001564735	7440-59-7	Helium UHP	220	Cubic Feet(CF)	28-Mar-19
0001564716	7440-59-7	Helium UHP	220	Cubic Feet(CF)	28-Mar-19
0001564717	7440-59-7	Helium UHP	220	Cubic Feet(CF)	28-Mar-19
0001564730	7440-59-7	Helium UHP	220	Cubic Feet(CF)	28-Mar-19
0001564724	7440-59-7	Helium UHP	220	Cubic Feet(CF)	28-Mar-19
0001564714	7440-59-7	Helium UHP	220	Cubic Feet(CF)	28-Mar-19
0001564725	7440-59-7	Helium UHP	220	Cubic Feet(CF)	28-Mar-19
0001564726	7440-59-7	Helium UHP	220	Cubic Feet(CF)	28-Mar-19
0001564727	7440-59-7	Helium UHP	220	Cubic Feet(CF)	28-Mar-19
0001564713	7440-59-7	Helium UHP	220	Cubic Feet(CF)	28-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001564728	7440-59-7	Helium UHP	220	Cubic Feet(CF)	28-Mar-19
0001564729	7440-59-7	Helium UHP	220	Cubic Feet(CF)	28-Mar-19
0001564850	7440-59-7	HELIUM	40	Cubic Feet(CF)	28-Mar-19
0001564851	-	oxygen nitrogen	2	Cubic Feet(CF)	28-Mar-19
0001564853	-	oxygen nitrogen	2	Cubic Feet(CF)	28-Mar-19
0001564854	-	oxygen nitrogen	2	Cubic Feet(CF)	28-Mar-19
0001564852	-	oxygen nitrogen	2	Cubic Feet(CF)	28-Mar-19
0001564855	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	500	Cubic Feet(CF)	28-Mar-19
0001564737	-	Argon UHP	220	Cubic Feet(CF)	28-Mar-19
0001564743	-	Argon UHP	220	Cubic Feet(CF)	28-Mar-19
0001564748	-	Argon UHP	220	Cubic Feet(CF)	28-Mar-19
0001564738	-	Argon UHP	220	Cubic Feet(CF)	28-Mar-19
0001564739	-	Argon UHP	220	Cubic Feet(CF)	28-Mar-19
0001564740	-	Argon UHP	220	Cubic Feet(CF)	28-Mar-19
0001564741	-	Argon UHP	220	Cubic Feet(CF)	28-Mar-19
0001564742	-	Argon UHP	220	Cubic Feet(CF)	28-Mar-19
0001564744	-	Argon UHP	220	Cubic Feet(CF)	28-Mar-19
0001564745	-	Argon UHP	220	Cubic Feet(CF)	28-Mar-19
0001564747	-	Argon UHP	220	Cubic Feet(CF)	28-Mar-19
0001564749	-	Argon UHP	220	Cubic Feet(CF)	28-Mar-19
0001564750	-	Argon UHP	220	Cubic Feet(CF)	28-Mar-19
0001564751	-	Argon UHP	220	Cubic Feet(CF)	28-Mar-19
0001564746	-	Argon UHP	220	Cubic Feet(CF)	28-Mar-19
0001564752	7440-59-7	HELIUM	220	Cubic Feet(CF)	28-Mar-19
0001564771	7440-59-7	HELIUM	220	Cubic Feet(CF)	28-Mar-19
0001564776	7440-59-7	HELIUM	220	Cubic Feet(CF)	28-Mar-19
0001564775	7440-59-7	HELIUM	220	Cubic Feet(CF)	28-Mar-19
0001564774	7440-59-7	HELIUM	220	Cubic Feet(CF)	28-Mar-19
0001564773	7440-59-7	HELIUM	220	Cubic Feet(CF)	28-Mar-19
0001564772	7440-59-7	HELIUM	220	Cubic Feet(CF)	28-Mar-19
0001564760	7440-59-7	HELIUM	220	Cubic Feet(CF)	28-Mar-19
0001564768	7440-59-7	HELIUM	220	Cubic Feet(CF)	28-Mar-19
0001564753	7440-59-7	HELIUM	220	Cubic Feet(CF)	28-Mar-19
0001564777	7440-59-7	HELIUM	220	Cubic Feet(CF)	28-Mar-19
0001564755	7440-59-7	HELIUM	220	Cubic Feet(CF)	28-Mar-19
0001564756	7440-59-7	HELIUM	220	Cubic Feet(CF)	28-Mar-19
0001564757	7440-59-7	HELIUM	220	Cubic Feet(CF)	28-Mar-19
0001564754	7440-59-7	HELIUM	220	Cubic Feet(CF)	28-Mar-19
0001564759	7440-59-7	HELIUM	220	Cubic Feet(CF)	28-Mar-19
0001564770	7440-59-7	HELIUM	220	Cubic Feet(CF)	28-Mar-19
0001564761	7440-59-7	HELIUM	220	Cubic Feet(CF)	28-Mar-19
0001564762	7440-59-7	HELIUM	220	Cubic Feet(CF)	28-Mar-19
0001564763	7440-59-7	HELIUM	220	Cubic Feet(CF)	28-Mar-19
0001564764	7440-59-7	HELIUM	220	Cubic Feet(CF)	28-Mar-19
0001564765	7440-59-7	HELIUM	220	Cubic Feet(CF)	28-Mar-19
0001564767	7440-59-7	HELIUM	220	Cubic Feet(CF)	28-Mar-19
0001564769	7440-59-7	HELIUM	220	Cubic Feet(CF)	28-Mar-19
0001564758	7440-59-7	HELIUM	220	Cubic Feet(CF)	28-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001564766	7440-59-7	HELIUM	220	Cubic Feet(CF)	28-Mar-19
0001564778	74-98-6	PROPANE	50	Pounds(LB)	28-Mar-19
0001564783	74-98-6	PROPANE	50	Pounds(LB)	28-Mar-19
0001564779	74-98-6	PROPANE	50	Pounds(LB)	28-Mar-19
0001564780	74-98-6	PROPANE	50	Pounds(LB)	28-Mar-19
0001564782	74-98-6	PROPANE	50	Pounds(LB)	28-Mar-19
0001564784	74-98-6	PROPANE	50	Pounds(LB)	28-Mar-19
0001564785	74-98-6	PROPANE	50	Pounds(LB)	28-Mar-19
0001564786	74-98-6	PROPANE	50	Pounds(LB)	28-Mar-19
0001564781	74-98-6	PROPANE	50	Pounds(LB)	28-Mar-19
0001564788	74-98-6	PROPANE	25	Gallon(GAL)	28-Mar-19
0001564787	74-98-6	PROPANE	25	Gallon(GAL)	28-Mar-19
0001564789	-	AIR COMPRESSED	220	Cubic Feet(CF)	28-Mar-19
0001564794	-	AIR COMPRESSED	220	Cubic Feet(CF)	28-Mar-19
0001564795	-	AIR COMPRESSED	220	Cubic Feet(CF)	28-Mar-19
0001564796	-	AIR COMPRESSED	220	Cubic Feet(CF)	28-Mar-19
0001564803	-	AIR COMPRESSED	220	Cubic Feet(CF)	28-Mar-19
0001564802	-	AIR COMPRESSED	220	Cubic Feet(CF)	28-Mar-19
0001564801	-	AIR COMPRESSED	220	Cubic Feet(CF)	28-Mar-19
0001564800	-	AIR COMPRESSED	220	Cubic Feet(CF)	28-Mar-19
0001564799	-	AIR COMPRESSED	220	Cubic Feet(CF)	28-Mar-19
0001564797	-	AIR COMPRESSED	220	Cubic Feet(CF)	28-Mar-19
0001564793	-	AIR COMPRESSED	220	Cubic Feet(CF)	28-Mar-19
0001564792	-	AIR COMPRESSED	220	Cubic Feet(CF)	28-Mar-19
0001564791	-	AIR COMPRESSED	220	Cubic Feet(CF)	28-Mar-19
0001564790	-	AIR COMPRESSED	220	Cubic Feet(CF)	28-Mar-19
0001564798	-	AIR COMPRESSED	220	Cubic Feet(CF)	28-Mar-19
0001564858	-	R-23 Refrigerant	40	Cubic Feet(CF)	28-Mar-19
0001564857	-	R-23 Refrigerant	40	Cubic Feet(CF)	28-Mar-19
0001564859	-	R-23 Refrigerant	40	Cubic Feet(CF)	28-Mar-19
0001564856	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Liters(L)	28-Mar-19
0001502738	-	MasterSeal SL 1 limestone	27.8	Ounces(OZ)	28-Mar-19
0001502753	-	MasterSeal SL 1 limestone	27.8	Ounces(OZ)	28-Mar-19
0001502746	-	MasterSeal SL 1 limestone	27.8	Ounces(OZ)	28-Mar-19
0001502745	-	MasterSeal SL 1 limestone	27.8	Ounces(OZ)	28-Mar-19
0001502744	-	MasterSeal SL 1 limestone	27.8	Ounces(OZ)	28-Mar-19
0001502743	-	MasterSeal SL 1 limestone	27.8	Ounces(OZ)	28-Mar-19
0001502742	-	MasterSeal SL 1 limestone	27.8	Ounces(OZ)	28-Mar-19
0001502741	-	MasterSeal SL 1 limestone	27.8	Ounces(OZ)	28-Mar-19
0001502740	-	MasterSeal SL 1 limestone	27.8	Ounces(OZ)	28-Mar-19
0001502739	-	MasterSeal SL 1 limestone	27.8	Ounces(OZ)	28-Mar-19
0001502748	-	MasterSeal SL 1 limestone	27.8	Ounces(OZ)	28-Mar-19
0001502747	-	MasterSeal SL 1 limestone	27.8	Ounces(OZ)	28-Mar-19
0001502752	-	MasterSeal SL 1 limestone	27.8	Ounces(OZ)	28-Mar-19
0001502754	-	MasterSeal SL 1 limestone	27.8	Ounces(OZ)	28-Mar-19
0001502756	-	MasterSeal SL 1 limestone	27.8	Ounces(OZ)	28-Mar-19
0001502757	-	MasterSeal SL 1 limestone	27.8	Ounces(OZ)	28-Mar-19
0001502758	-	MasterSeal SL 1 limestone	27.8	Ounces(OZ)	28-Mar-19

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001502760	-	MasterSeal SL 1 limestone	27.8	Ounces(OZ)	28-Mar-19
0001502759	-	MasterSeal SL 1 limestone	27.8	Ounces(OZ)	28-Mar-19
0001502761	-	MasterSeal SL 1 limestone	27.8	Ounces(OZ)	28-Mar-19
0001502750	-	MasterSeal SL 1 limestone	27.8	Ounces(OZ)	28-Mar-19
0001502751	-	MasterSeal SL 1 limestone	27.8	Ounces(OZ)	28-Mar-19
0001502755	-	MasterSeal SL 1 limestone	27.8	Ounces(OZ)	28-Mar-19
0001502749	-	MasterSeal SL 1 limestone	27.8	Ounces(OZ)	28-Mar-19
0001502762	-	100% Silicone Window & Door White	9.8	Ounces(OZ)	28-Mar-19
0001502765	-	100% Silicone Window & Door White	9.8	Ounces(OZ)	28-Mar-19
0001502764	-	100% Silicone Window & Door White	9.8	Ounces(OZ)	28-Mar-19
0001502763	-	100% Silicone Window & Door White	9.8	Ounces(OZ)	28-Mar-19
0001502726	-	Window Door & Siding 100% Silicone Rubber	10.1	Ounces(OZ)	28-Mar-19
0001502729	-	Window Door & Siding 100% Silicone Rubber	10.1	Ounces(OZ)	28-Mar-19
0001502737	-	Window Door & Siding 100% Silicone Rubber	10.1	Ounces(OZ)	28-Mar-19
0001502736	-	Window Door & Siding 100% Silicone Rubber	10.1	Ounces(OZ)	28-Mar-19
0001502735	-	Window Door & Siding 100% Silicone Rubber	10.1	Ounces(OZ)	28-Mar-19
0001502734	-	Window Door & Siding 100% Silicone Rubber	10.1	Ounces(OZ)	28-Mar-19
0001502733	-	Window Door & Siding 100% Silicone Rubber	10.1	Ounces(OZ)	28-Mar-19
0001502732	-	Window Door & Siding 100% Silicone Rubber	10.1	Ounces(OZ)	28-Mar-19
0001502730	-	Window Door & Siding 100% Silicone Rubber	10.1	Ounces(OZ)	28-Mar-19
0001502728	-	Window Door & Siding 100% Silicone Rubber	10.1	Ounces(OZ)	28-Mar-19
0001502727	-	Window Door & Siding 100% Silicone Rubber	10.1	Ounces(OZ)	28-Mar-19
0001502731	-	Window Door & Siding 100% Silicone Rubber	10.1	Ounces(OZ)	28-Mar-19
0001502722	-	QUIN-CIP-D	1	Quarts(QT)	28-Mar-19
0001502725	-	QUIN-CIP-D	1	Quarts(QT)	28-Mar-19
0001502723	-	QUIN-CIP-D	1	Quarts(QT)	28-Mar-19
0001502724	-	QUIN-CIP-D	1	Quarts(QT)	28-Mar-19
0001595928	27988-77-8	GOLD (III) CHLORIDE HYDRATE	5	Gram(GM)	28-Mar-19
0001595929	-	Gold nanoparticles	25	Milliliter(ML)	28-Mar-19
0001595930	57296-03-4	N N'-Disuccinimidyl oxalate	5	Gram(GM)	28-Mar-19
0001595931	-	LITHIUM GREASE	15	Ounces(OZ)	28-Mar-19
0001595933	-	LITHIUM GREASE	15	Ounces(OZ)	28-Mar-19
0001595932	-	LITHIUM GREASE	15	Ounces(OZ)	28-Mar-19
0001595934	25852-47-5	LOCTITE 2400	50	Milliliter(ML)	28-Mar-19
0001595935	616-47-7	1-METHYLIMIDAZOLE	500	Gram(GM)	28-Mar-19
0001595936	4091-39-8	3-Chloro-2-butanone	100	Gram(GM)	28-Mar-19
0001595937	10139-47-6	ZINC IODIDE	50	Gram(GM)	28-Mar-19
0001595938	616-38-6	DIMETHYL CARBONATE	500	Gram(GM)	28-Mar-19
0001595939	111-87-5	OCTYL ALCOHOL	500	Milliliter(ML)	28-Mar-19
0001595942	111-87-5	OCTYL ALCOHOL	500	Milliliter(ML)	28-Mar-19
0001595941	111-87-5	OCTYL ALCOHOL	500	Milliliter(ML)	28-Mar-19
0001595940	111-87-5	OCTYL ALCOHOL	500	Milliliter(ML)	28-Mar-19
0001595943	4731-53-7	TRIOCTYLPHOSPHINE	100	Milliliter(ML)	28-Mar-19
0001595944	4731-53-7	TRIOCTYLPHOSPHINE	100	Milliliter(ML)	28-Mar-19
0001595945	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	250	Milliliter(ML)	28-Mar-19
0001595946	7722-84-1	HYDROGEN PEROXIDE	500	Milliliter(ML)	28-Mar-19
0001595947	865-47-4	POTASSIUM-TERT-BUTOXIDE	100	Gram(GM)	28-Mar-19
0001595948	25389-94-0	KANAMYCIN MONOSULFATE	50	Milligram(MG)	28-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001595949	110-00-9	FURAN	1	Liters(L)	28-Mar-19
0001595950	811-97-2	SPRAY DUSTER	11	Ounces(OZ)	28-Mar-19
0001595954	811-97-2	SPRAY DUSTER	11	Ounces(OZ)	28-Mar-19
0001595955	811-97-2	SPRAY DUSTER	11	Ounces(OZ)	28-Mar-19
0001595953	811-97-2	SPRAY DUSTER	11	Ounces(OZ)	28-Mar-19
0001595952	811-97-2	SPRAY DUSTER	11	Ounces(OZ)	28-Mar-19
0001595951	811-97-2	SPRAY DUSTER	11	Ounces(OZ)	28-Mar-19
0001595956	-	FOMBLIN Y-LVAC	1	Kilograms(KG)	28-Mar-19
0001595957	13494-98-9	YTTRIUM (III) NITRATE	25	Gram(GM)	28-Mar-19
0001502766	-	Liquid Nails Fiberglass Reinforced Panel Adhesive	3.5	Gallon(GAL)	29-Mar-19
0001502767	-	Liquid Nails Fiberglass Reinforced Panel Adhesive	3.5	Gallon(GAL)	29-Mar-19
V00000280B	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002812	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002817	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002816	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002815	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002814	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002813	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002811	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002810	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000280F	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000280E	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002818	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000280C	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000281E	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000280D	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002819	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000281A	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000281B	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000280A	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000281D	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002804	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000281F	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002821	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002823	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002824	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002825	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002826	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002827	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002828	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000281C	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000027FB	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000027ED	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000027EE	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000027EF	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000027F0	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000027F1	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000027F2	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V0000027F3	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000027F4	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000027F5	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000027F6	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000027F7	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000027F8	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002806	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000027FA	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002809	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000027FC	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000027FD	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000027FE	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000027FF	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002800	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002801	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002802	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002803	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002822	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002805	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002829	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002807	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002808	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000027F9	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000284A	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000283E	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000283F	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002840	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002841	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002842	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002843	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002844	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002845	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000283D	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002849	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002846	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000284B	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000284C	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000284D	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000284E	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000284F	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002850	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000282A	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002820	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002847	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002831	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000282B	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002848	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000283C	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V00000282D	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000282E	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000282F	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002830	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000282C	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002832	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002838	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000283B	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000283A	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002839	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002833	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002837	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002836	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002835	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002834	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002894	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000289B	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000289A	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000289D	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000289C	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002899	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002898	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002897	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002896	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002895	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000286F	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002893	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002892	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002891	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002890	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000288F	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000288E	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000288C	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000288A	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000288B	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000289E	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000028A2	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000288D	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000028AC	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002875	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002889	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000028A1	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000028A3	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000028A5	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000028A6	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000028A7	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000028A8	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000028A9	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V0000028A4	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000028AB	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000289F	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000028AD	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000028AE	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000028AF	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000028B0	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000028B1	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000028B2	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000028B3	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000028B4	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000028A0	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000028AA	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002863	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002855	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002856	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002857	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002858	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000285A	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002865	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000285C	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000285D	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000285E	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000285F	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002860	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002854	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002862	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002859	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002864	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000286D	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000286C	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000286B	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002888	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000286A	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002877	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002869	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002868	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002867	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002866	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002861	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000287A	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000287F	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002880	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002881	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002882	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002883	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002884	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000285B	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002885	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002853	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002886	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000287D	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000287E	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000287B	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002879	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002878	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002876	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000286E	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002874	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002873	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002872	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002887	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002871	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002870	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002851	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V000002852	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V00000287C	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000028B6	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000028BF	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000028BE	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000028BD	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000028BC	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000028BB	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000028BA	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000028B9	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000028B7	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000028B5	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000028B8	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	29-Mar-19
V0000028C3	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	29-Mar-19
V0000028C0	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	29-Mar-19
V0000028C1	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	29-Mar-19
V0000028C2	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	29-Mar-19
V0000028C4	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	29-Mar-19
V0000028C5	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	29-Mar-19
V0000028EF	-	RV ANTIFREEZE	1	Gallon(GAL)	29-Mar-19
V0000028CB	-	RV ANTIFREEZE	1	Gallon(GAL)	29-Mar-19
V0000028E5	-	RV ANTIFREEZE	1	Gallon(GAL)	29-Mar-19
V0000028E7	-	RV ANTIFREEZE	1	Gallon(GAL)	29-Mar-19
V0000028E8	-	RV ANTIFREEZE	1	Gallon(GAL)	29-Mar-19
V0000028E9	-	RV ANTIFREEZE	1	Gallon(GAL)	29-Mar-19
V0000028EA	-	RV ANTIFREEZE	1	Gallon(GAL)	29-Mar-19
V0000028EB	-	RV ANTIFREEZE	1	Gallon(GAL)	29-Mar-19
V0000028EC	-	RV ANTIFREEZE	1	Gallon(GAL)	29-Mar-19
V0000028E3	-	RV ANTIFREEZE	1	Gallon(GAL)	29-Mar-19
V0000028EE	-	RV ANTIFREEZE	1	Gallon(GAL)	29-Mar-19
V0000028E4	-	RV ANTIFREEZE	1	Gallon(GAL)	29-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V0000028CA	-	RV ANTIFREEZE	1	Gallon(GAL)	29-Mar-19
V0000028C9	-	RV ANTIFREEZE	1	Gallon(GAL)	29-Mar-19
V0000028C8	-	RV ANTIFREEZE	1	Gallon(GAL)	29-Mar-19
V0000028C7	-	RV ANTIFREEZE	1	Gallon(GAL)	29-Mar-19
V0000028C6	-	RV ANTIFREEZE	1	Gallon(GAL)	29-Mar-19
V0000028ED	-	RV ANTIFREEZE	1	Gallon(GAL)	29-Mar-19
V0000028D7	-	RV ANTIFREEZE	1	Gallon(GAL)	29-Mar-19
V0000028D0	-	RV ANTIFREEZE	1	Gallon(GAL)	29-Mar-19
V0000028D1	-	RV ANTIFREEZE	1	Gallon(GAL)	29-Mar-19
V0000028D2	-	RV ANTIFREEZE	1	Gallon(GAL)	29-Mar-19
V0000028D3	-	RV ANTIFREEZE	1	Gallon(GAL)	29-Mar-19
V0000028D4	-	RV ANTIFREEZE	1	Gallon(GAL)	29-Mar-19
V0000028CE	-	RV ANTIFREEZE	1	Gallon(GAL)	29-Mar-19
V0000028CD	-	RV ANTIFREEZE	1	Gallon(GAL)	29-Mar-19
V0000028E6	-	RV ANTIFREEZE	1	Gallon(GAL)	29-Mar-19
V0000028CC	-	RV ANTIFREEZE	1	Gallon(GAL)	29-Mar-19
V0000028CF	-	RV ANTIFREEZE	1	Gallon(GAL)	29-Mar-19
V0000028D6	-	RV ANTIFREEZE	1	Gallon(GAL)	29-Mar-19
V0000028D5	-	RV ANTIFREEZE	1	Gallon(GAL)	29-Mar-19
V0000028D8	-	RV ANTIFREEZE	1	Gallon(GAL)	29-Mar-19
V0000028D9	-	RV ANTIFREEZE	1	Gallon(GAL)	29-Mar-19
V0000028DA	-	RV ANTIFREEZE	1	Gallon(GAL)	29-Mar-19
V0000028DB	-	RV ANTIFREEZE	1	Gallon(GAL)	29-Mar-19
V0000028DC	-	RV ANTIFREEZE	1	Gallon(GAL)	29-Mar-19
V0000028DD	-	RV ANTIFREEZE	1	Gallon(GAL)	29-Mar-19
V0000028DE	-	RV ANTIFREEZE	1	Gallon(GAL)	29-Mar-19
V0000028DF	-	RV ANTIFREEZE	1	Gallon(GAL)	29-Mar-19
V0000028E0	-	RV ANTIFREEZE	1	Gallon(GAL)	29-Mar-19
V0000028E1	-	RV ANTIFREEZE	1	Gallon(GAL)	29-Mar-19
V0000028E2	-	RV ANTIFREEZE	1	Gallon(GAL)	29-Mar-19
V0000028F0	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	29-Mar-19
V0000028F3	-	Valvoline Professional Series 75W-140 FULL	1	Quarts(QT)	29-Mar-19
V0000028F2	-	Valvoline Professional Series 75W-140 FULL	1	Quarts(QT)	29-Mar-19
V0000028F4	-	Valvoline Professional Series 75W-140 FULL	1	Quarts(QT)	29-Mar-19
V0000028F1	-	Valvoline Professional Series 75W-140 FULL	1	Quarts(QT)	29-Mar-19
V0000028F5	-	Valvoline HIGH PERFORMANCE SAE 75W-90	1	Quarts(QT)	29-Mar-19
V0000028F6	-	Parts Plus SAE 80W-90 GEAR OIL	1	Quarts(QT)	29-Mar-19
V0000028F8	-	Parts Plus SAE 80W-90 GEAR OIL	1	Quarts(QT)	29-Mar-19
V0000028F7	-	Parts Plus SAE 80W-90 GEAR OIL	1	Quarts(QT)	29-Mar-19
V0000028F9	-	JOHNSEN'S STARTING FLUID	10.7	Ounces(OZ)	29-Mar-19
0001573329	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	29-Mar-19
0001573331	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	29-Mar-19
0001573332	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	29-Mar-19
0001573333	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	29-Mar-19
0001573335	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	29-Mar-19
0001573330	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	29-Mar-19
0001573336	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	29-Mar-19
0001573337	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	29-Mar-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001573338	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	29-Mar-19
0001573339	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	29-Mar-19
0001573340	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	29-Mar-19
0001573334	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	29-Mar-19
0001573341	-	CRC QD ELECTRONIC CLEANER	11	Ounces(OZ)	29-Mar-19
0001573344	-	CRC QD ELECTRONIC CLEANER	11	Ounces(OZ)	29-Mar-19
0001573345	-	CRC QD ELECTRONIC CLEANER	11	Ounces(OZ)	29-Mar-19
0001573346	-	CRC QD ELECTRONIC CLEANER	11	Ounces(OZ)	29-Mar-19
0001573342	-	CRC QD ELECTRONIC CLEANER	11	Ounces(OZ)	29-Mar-19
0001573343	-	CRC QD ELECTRONIC CLEANER	11	Ounces(OZ)	29-Mar-19
0001573347	-	BRAKE FLUID DOT 3	12	Ounces(OZ)	29-Mar-19
0001573348	-	Hydraulic & Jack Oil	1	Gallon(GAL)	29-Mar-19
0001573349	-	WD-40 NON-AEROSOL	20	Ounces(OZ)	29-Mar-19
0001573350	-	WD-40 NON-AEROSOL	20	Ounces(OZ)	29-Mar-19
0001573352	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	29-Mar-19
0001573355	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	29-Mar-19
0001573358	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	29-Mar-19
0001573356	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	29-Mar-19
0001573359	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	29-Mar-19
0001573354	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	29-Mar-19
0001573353	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	29-Mar-19
0001573360	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	29-Mar-19
0001573357	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	29-Mar-19
0001573361	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	29-Mar-19
0001573362	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	29-Mar-19
0001573363	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	29-Mar-19
0001573364	-	KRYLON ColorMaster with Covermax Technology	12	Ounces(OZ)	29-Mar-19
0001573371	-	KRYLON ColorMaster with Covermax Technology	12	Ounces(OZ)	29-Mar-19
0001573365	-	KRYLON ColorMaster with Covermax Technology	12	Ounces(OZ)	29-Mar-19
0001573372	-	KRYLON ColorMaster with Covermax Technology	12	Ounces(OZ)	29-Mar-19
0001573366	-	KRYLON ColorMaster with Covermax Technology	12	Ounces(OZ)	29-Mar-19
0001573370	-	KRYLON ColorMaster with Covermax Technology	12	Ounces(OZ)	29-Mar-19
0001573369	-	KRYLON ColorMaster with Covermax Technology	12	Ounces(OZ)	29-Mar-19
0001573367	-	KRYLON ColorMaster with Covermax Technology	12	Ounces(OZ)	29-Mar-19
0001573368	-	KRYLON ColorMaster with Covermax Technology	12	Ounces(OZ)	29-Mar-19
0001573373	-	LUBRIPLATE CHAIN AND CABLE FLUID	11	Ounces(OZ)	29-Mar-19
0001573376	-	LUBRIPLATE CHAIN AND CABLE FLUID	11	Ounces(OZ)	29-Mar-19
0001573375	-	LUBRIPLATE CHAIN AND CABLE FLUID	11	Ounces(OZ)	29-Mar-19
0001573374	-	LUBRIPLATE CHAIN AND CABLE FLUID	11	Ounces(OZ)	29-Mar-19
0001573377	-	Mobil 1 5W-40	1	Gallon(GAL)	29-Mar-19
0001573384	-	Mobil 1 5W-40	1	Gallon(GAL)	29-Mar-19
0001573383	-	Mobil 1 5W-40	1	Gallon(GAL)	29-Mar-19
0001573382	-	Mobil 1 5W-40	1	Gallon(GAL)	29-Mar-19
0001573381	-	Mobil 1 5W-40	1	Gallon(GAL)	29-Mar-19
0001573380	-	Mobil 1 5W-40	1	Gallon(GAL)	29-Mar-19
0001573378	-	Mobil 1 5W-40	1	Gallon(GAL)	29-Mar-19
0001573379	-	Mobil 1 5W-40	1	Gallon(GAL)	29-Mar-19
0001573351	-	POWER STEERING FLUID	32	Ounces(OZ)	29-Mar-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001502768	-	Cote All D/B	118	Ounces(OZ)	29-Mar-19
0001502773	-	Cote All D/B	118	Ounces(OZ)	29-Mar-19
0001502770	-	Cote All D/B	118	Ounces(OZ)	29-Mar-19
0001502772	-	Cote All D/B	118	Ounces(OZ)	29-Mar-19
0001502775	-	Cote All D/B	118	Ounces(OZ)	29-Mar-19
0001502774	-	Cote All D/B	118	Ounces(OZ)	29-Mar-19
0001502771	-	Cote All D/B	118	Ounces(OZ)	29-Mar-19
0001502769	-	Cote All D/B	118	Ounces(OZ)	29-Mar-19
V0000028FC	-	Cote All 340 J.D. (Safety) Yellow	128	Ounces(OZ)	29-Mar-19
V0000028FB	-	Cote All 340 J.D. (Safety) Yellow	128	Ounces(OZ)	29-Mar-19
V0000028FA	-	Cote All 340 J.D. (Safety) Yellow	128	Ounces(OZ)	29-Mar-19
0001502776	-	Defacer Eraser Graffiti Remover	1	Gallon(GAL)	29-Mar-19
0001502780	-	Defacer Eraser Graffiti Remover	1	Gallon(GAL)	29-Mar-19
0001502785	-	Defacer Eraser Graffiti Remover	1	Gallon(GAL)	29-Mar-19
0001502784	-	Defacer Eraser Graffiti Remover	1	Gallon(GAL)	29-Mar-19
0001502783	-	Defacer Eraser Graffiti Remover	1	Gallon(GAL)	29-Mar-19
0001502781	-	Defacer Eraser Graffiti Remover	1	Gallon(GAL)	29-Mar-19
0001502779	-	Defacer Eraser Graffiti Remover	1	Gallon(GAL)	29-Mar-19
0001502778	-	Defacer Eraser Graffiti Remover	1	Gallon(GAL)	29-Mar-19
0001502777	-	Defacer Eraser Graffiti Remover	1	Gallon(GAL)	29-Mar-19
0001502782	-	Defacer Eraser Graffiti Remover	1	Gallon(GAL)	29-Mar-19
0001595743	20398-06-5	THALLOUS ETHOXIDE [THALLIUM(I) EHTOXIDE]	25	Gram(GM)	01-Apr-19
0001595744	20398-06-5	THALLOUS ETHOXIDE [THALLIUM(I) EHTOXIDE]	25	Gram(GM)	01-Apr-19
0001595745	20398-06-5	THALLOUS ETHOXIDE [THALLIUM(I) EHTOXIDE]	25	Gram(GM)	01-Apr-19
0001595958	60-29-7	DIETHYL ETHER	1	Liters(L)	01-Apr-19
0001595961	60-29-7	DIETHYL ETHER	1	Liters(L)	01-Apr-19
0001595960	60-29-7	DIETHYL ETHER	1	Liters(L)	01-Apr-19
0001595962	60-29-7	DIETHYL ETHER	1	Liters(L)	01-Apr-19
0001595963	60-29-7	DIETHYL ETHER	1	Liters(L)	01-Apr-19
0001595959	60-29-7	DIETHYL ETHER	1	Liters(L)	01-Apr-19
0001595964	58-86-6	D-XYLOSE	500	Gram(GM)	01-Apr-19
0001595965	79-00-5	1 1 2-TRICHLOROETHANE	250	Milliliter(ML)	01-Apr-19
0001595966	109-94-4	ETHYL FORMATE	500	Milliliter(ML)	01-Apr-19
0001595969	1333317-99-9	Poly[bis(4-phenyl)(2 4 6-trimethylphenyl)amine]	1	Gram(GM)	01-Apr-19
0001595970	1333317-99-9	Poly[bis(4-phenyl)(2 4 6-trimethylphenyl)amine]	1	Gram(GM)	01-Apr-19
0001595972	4731-53-7	TRIOCTYLPHOSPHINE	100	Milliliter(ML)	01-Apr-19
0001595973	4731-53-7	TRIOCTYLPHOSPHINE	100	Milliliter(ML)	01-Apr-19
0001595974	90-02-8	SALICYLALDEHYDE	500	Gram(GM)	01-Apr-19
0001595975	246047-72-3	GRUBBS CATALYST 2ND GENERATION	10	Gram(GM)	01-Apr-19
0001595976	-	ALKANE STANDARD	5	Milliliter(ML)	01-Apr-19
0001595977	-	ALKANE STANDARD	5	Milliliter(ML)	01-Apr-19
0001595979	6753-98-6	a-Humulene	5	Milliliter(ML)	01-Apr-19
0001595980	28961-43-5	Ethoxylated (3) Trimethylolpropane Triacrylate	1	Liters(L)	01-Apr-19
0001595981	28961-43-5	Ethoxylated (3) Trimethylolpropane Triacrylate	1	Liters(L)	01-Apr-19
0001595982	28961-43-5	Ethoxylated (3) Trimethylolpropane Triacrylate	1	Liters(L)	01-Apr-19
0001595983	6153-56-6	OXALIC ACID DIHYDRATE	500	Gram(GM)	01-Apr-19
0001595984	546-89-4	LITHIUM ACETATE DIHYDRATE	25	Gram(GM)	01-Apr-19
0001595985	135447-09-5	N N-Di-n-octyl-3-oxapentanedioic Acid	5	Gram(GM)	01-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001595986	7732-18-5	PH 1.68 Buffer	475	Milliliter(ML)	01-Apr-19
0001595987	7732-18-5	PH 1.68 Buffer	475	Milliliter(ML)	01-Apr-19
0001595988	778-25-6	DIPHENYLMETHYL SILIONOL	1	Pint(PT)	01-Apr-19
0001595989	64742-49-0	FLUX OFF NO CLEAN	10	Ounces(OZ)	01-Apr-19
0001595991	64742-49-0	FLUX OFF NO CLEAN	10	Ounces(OZ)	01-Apr-19
0001595992	64742-49-0	FLUX OFF NO CLEAN	10	Ounces(OZ)	01-Apr-19
0001595993	64742-49-0	FLUX OFF NO CLEAN	10	Ounces(OZ)	01-Apr-19
0001595994	64742-49-0	FLUX OFF NO CLEAN	10	Ounces(OZ)	01-Apr-19
0001595995	64742-49-0	FLUX OFF NO CLEAN	10	Ounces(OZ)	01-Apr-19
0001595996	64742-49-0	FLUX OFF NO CLEAN	10	Ounces(OZ)	01-Apr-19
0001595997	64742-49-0	FLUX OFF NO CLEAN	10	Ounces(OZ)	01-Apr-19
0001595998	64742-49-0	FLUX OFF NO CLEAN	10	Ounces(OZ)	01-Apr-19
0001595999	64742-49-0	FLUX OFF NO CLEAN	10	Ounces(OZ)	01-Apr-19
0001596000	64742-49-0	FLUX OFF NO CLEAN	10	Ounces(OZ)	01-Apr-19
0001595990	64742-49-0	FLUX OFF NO CLEAN	10	Ounces(OZ)	01-Apr-19
0001596001	7647-14-5	SODIUM CHLORIDE	100	Gram(GM)	01-Apr-19
0001596002	7447-40-7	POTASSIUM CHLORIDE	50	Gram(GM)	01-Apr-19
0001596003	10043-52-4	CALCIUM CHLORIDE ANHYDROUS	50	Gram(GM)	01-Apr-19
0001596004	10025-76-0	EUROPIUM(III) CHLORIDE	5	Gram(GM)	01-Apr-19
0001596005	7790-86-5	CERIUM(III) CHLORIDE ANHYDROUS	5	Gram(GM)	01-Apr-19
0001596006	48145-04-6	2-Phenoxyethyl Acrylate (stabilized with MEHQ)	500	Gram(GM)	01-Apr-19
0001596007	-	STYCAST 2850FT BLACK	3	Pounds(LB)	01-Apr-19
0001596008	-	STYCAST 2850FT BLACK	3	Pounds(LB)	01-Apr-19
0001596009	70131-67-8	PLY-7609 SILICONE FLUID	1	Pint(PT)	01-Apr-19
0001596010	70131-67-8	PLY-7609 SILICONE FLUID	1	Pint(PT)	01-Apr-19
0001596011	-	DMEM	5	Milliliter(ML)	01-Apr-19
0001596012	-	DMEM	5	Milliliter(ML)	01-Apr-19
0001596013	-	DMEM	5	Milliliter(ML)	01-Apr-19
0001596014	2156-97-0	LAURYL ACRYLATE	500	Milliliter(ML)	01-Apr-19
0001596015	2156-97-0	LAURYL ACRYLATE	500	Milliliter(ML)	01-Apr-19
0001596016	2156-97-0	LAURYL ACRYLATE	500	Milliliter(ML)	01-Apr-19
0001596017	2156-97-0	LAURYL ACRYLATE	500	Milliliter(ML)	01-Apr-19
0001596018	28961-43-5	Ethoxylated (3) Trimethylolpropane Triacrylate	250	Milliliter(ML)	01-Apr-19
0001596020	28961-43-5	Ethoxylated (3) Trimethylolpropane Triacrylate	250	Milliliter(ML)	01-Apr-19
0001596021	28961-43-5	Ethoxylated (3) Trimethylolpropane Triacrylate	250	Milliliter(ML)	01-Apr-19
0001596019	28961-43-5	Ethoxylated (3) Trimethylolpropane Triacrylate	250	Milliliter(ML)	01-Apr-19
0001596022	28961-43-5	Ethoxylated (3) Trimethylolpropane Triacrylate	250	Milliliter(ML)	01-Apr-19
0001596023	38103-06-9	4 4'-(4 4'-Isopropylidenediphenoxy)bis(phthalic	50	Gram(GM)	01-Apr-19
0001596024	2421-28-5	3 3' 4 4'-BENZOPHENONETETRACARBOXYLIC	100	Gram(GM)	01-Apr-19
0001596025	13455-01-1	PHOSPHORUS (III) IODIDE	10	Gram(GM)	01-Apr-19
0001596026	584-08-7	POTASSIUM CARBONATE	500	Gram(GM)	01-Apr-19
0001596027	6064-63-7	2-Hydroxyhexanoic acid	1	Gram(GM)	01-Apr-19
0001596028	300-85-6	3-Hydroxybutyric acid	1	Gram(GM)	01-Apr-19
0001596029	71-43-2	BENZENE	1	Liters(L)	01-Apr-19
0001596030	71-23-8	1-PROPANOL	1	Liters(L)	01-Apr-19
0001596031	48145-04-6	2-Phenoxyethyl Acrylate (stabilized with MEHQ)	500	Gram(GM)	01-Apr-19
0001596032	48145-04-6	2-Phenoxyethyl Acrylate (stabilized with MEHQ)	500	Gram(GM)	01-Apr-19
0001596033	48145-04-6	2-Phenoxyethyl Acrylate (stabilized with MEHQ)	500	Gram(GM)	01-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001596034	48145-04-6	2-Phenoxyethyl Acrylate (stabilized with MEHQ)	500	Gram(GM)	01-Apr-19
0001596035	67-64-1	ACETONE	4	Liters(L)	01-Apr-19
0001596036	1802-30-8	2 2'-Bipyridine-5 5'-dicarboxylic Acid	1	Gram(GM)	01-Apr-19
0001596037	1802-30-8	2 2'-Bipyridine-5 5'-dicarboxylic Acid	1	Gram(GM)	01-Apr-19
0001596038	48-0045-408	PRE FILTER MATERIAL	200	Gram(GM)	01-Apr-19
0001596039	-	PRE-FILTER RESIN	2	Milliliter(ML)	01-Apr-19
0001146547	-	Waste Lock PAM	50	Pounds(LB)	02-Apr-19
0001146548	-	Waste Lock PAM	50	Pounds(LB)	02-Apr-19
0001146519	-	TRICLEAN 310	5	Gallon(GAL)	02-Apr-19
0001596040	-	RPMI 1640 CELL CULTURE REAGENT	500	Milliliter(ML)	02-Apr-19
0001146520	-	TRICLEAN 310	5	Gallon(GAL)	02-Apr-19
0001146521	-	TRICLEAN 310	5	Gallon(GAL)	02-Apr-19
0001596041	113-24-6	BioWhittaker Reagents Lonza	100	Milliliter(ML)	02-Apr-19
0001596042	113-24-6	BioWhittaker Reagents Lonza	100	Milliliter(ML)	02-Apr-19
0001596043	-	ALUMINUM CLEANER	16	Ounces(OZ)	02-Apr-19
0001596046	496-46-8	GLYCOLURIL	500	Gram(GM)	02-Apr-19
0001596047	-	Clorox Regular-Bleach	64	Ounces(OZ)	02-Apr-19
0001596050	-	Clorox Regular-Bleach	64	Ounces(OZ)	02-Apr-19
0001596054	-	Clorox Regular-Bleach	64	Ounces(OZ)	02-Apr-19
0001596053	-	Clorox Regular-Bleach	64	Ounces(OZ)	02-Apr-19
0001596051	-	Clorox Regular-Bleach	64	Ounces(OZ)	02-Apr-19
0001596049	-	Clorox Regular-Bleach	64	Ounces(OZ)	02-Apr-19
0001596048	-	Clorox Regular-Bleach	64	Ounces(OZ)	02-Apr-19
0001596052	-	Clorox Regular-Bleach	64	Ounces(OZ)	02-Apr-19
0001596056	-	LOCTITE SUPERFLEX RED HIGH TEMP RTV	80	Milliliter(ML)	02-Apr-19
0001596060	-	LOCTITE SUPERFLEX RED HIGH TEMP RTV	80	Milliliter(ML)	02-Apr-19
0001596067	-	LOCTITE SUPERFLEX RED HIGH TEMP RTV	80	Milliliter(ML)	02-Apr-19
0001596066	-	LOCTITE SUPERFLEX RED HIGH TEMP RTV	80	Milliliter(ML)	02-Apr-19
0001596065	-	LOCTITE SUPERFLEX RED HIGH TEMP RTV	80	Milliliter(ML)	02-Apr-19
0001596064	-	LOCTITE SUPERFLEX RED HIGH TEMP RTV	80	Milliliter(ML)	02-Apr-19
0001596063	-	LOCTITE SUPERFLEX RED HIGH TEMP RTV	80	Milliliter(ML)	02-Apr-19
0001596059	-	LOCTITE SUPERFLEX RED HIGH TEMP RTV	80	Milliliter(ML)	02-Apr-19
0001596058	-	LOCTITE SUPERFLEX RED HIGH TEMP RTV	80	Milliliter(ML)	02-Apr-19
0001596057	-	LOCTITE SUPERFLEX RED HIGH TEMP RTV	80	Milliliter(ML)	02-Apr-19
0001596061	-	LOCTITE SUPERFLEX RED HIGH TEMP RTV	80	Milliliter(ML)	02-Apr-19
0001596062	-	LOCTITE SUPERFLEX RED HIGH TEMP RTV	80	Milliliter(ML)	02-Apr-19
0001596068	109-99-9	TETRAHYDROFURAN	250	Milliliter(ML)	02-Apr-19
0001595209	-	Iron Assay Kit	500	Milliliter(ML)	02-Apr-19
0001595210	-	Calcium Assay Kit	500	Milliliter(ML)	02-Apr-19
0001146522	-	TRICLEAN 310	5	Gallon(GAL)	02-Apr-19
0001146523	-	TriPol 9510	5	Gallon(GAL)	02-Apr-19
0001146524	-	TriPol 9510	5	Gallon(GAL)	02-Apr-19
0001146525	-	TriPol 9510	5	Gallon(GAL)	02-Apr-19
0001146526	-	TriPol 9510	5	Gallon(GAL)	02-Apr-19
0001146527	-	TriClean 214TF	5	Gallon(GAL)	02-Apr-19
0001146528	-	TriClean 214TF	5	Gallon(GAL)	02-Apr-19
0001146529	-	TriClean 214TF	5	Gallon(GAL)	02-Apr-19
0001146530	-	TriClean 214TF	5	Gallon(GAL)	02-Apr-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001146531	2809-21-4	Veolia Antiscalant 8439	5	Gallon(GAL)	02-Apr-19
0001146532	2809-21-4	Veolia Antiscalant 8439	5	Gallon(GAL)	02-Apr-19
0001146533	2809-21-4	Veolia Antiscalant 8439	5	Gallon(GAL)	02-Apr-19
0001146534	2809-21-4	Veolia Antiscalant 8439	5	Gallon(GAL)	02-Apr-19
0001146535	2809-21-4	Veolia Antiscalant 8439	5	Gallon(GAL)	02-Apr-19
0001146536	2809-21-4	Veolia Antiscalant 8439	5	Gallon(GAL)	02-Apr-19
0001146537	2809-21-4	Veolia Antiscalant 8439	5	Gallon(GAL)	02-Apr-19
0001146538	2809-21-4	Veolia Antiscalant 8439	5	Gallon(GAL)	02-Apr-19
0001146539	2809-21-4	Veolia Antiscalant 8439	5	Gallon(GAL)	02-Apr-19
0001146540	-	Silimod 16 D	5	Gallon(GAL)	02-Apr-19
0001146541	-	Silimod 16 D	5	Gallon(GAL)	02-Apr-19
0001146542	-	Silimod 16 D	5	Gallon(GAL)	02-Apr-19
0001146543	-	Silimod 16 D	5	Gallon(GAL)	02-Apr-19
0001146544	-	Silimod 16 D	5	Gallon(GAL)	02-Apr-19
0001146545	-	Silimod 16 D	5	Gallon(GAL)	02-Apr-19
0001146546	-	Silimod 16 D	5	Gallon(GAL)	02-Apr-19
0001146552	-	Silimod 16 D	5	Gallon(GAL)	02-Apr-19
0001146549	64742-47-8	Nalco 7763	5	Gallon(GAL)	02-Apr-19
0001146550	64742-47-8	Nalco 7763	5	Gallon(GAL)	02-Apr-19
0001146551	64742-47-8	Nalco 7763	5	Gallon(GAL)	02-Apr-19
0001595591	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	02-Apr-19
0001595601	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	02-Apr-19
0001595598	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	02-Apr-19
0001595597	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	02-Apr-19
0001595596	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	02-Apr-19
0001595595	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	02-Apr-19
0001595594	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	02-Apr-19
0001595592	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	02-Apr-19
0001595600	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	02-Apr-19
0001595593	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	02-Apr-19
0001595609	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	02-Apr-19
0001595599	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	02-Apr-19
0001595614	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	02-Apr-19
0001595613	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	02-Apr-19
0001595612	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	02-Apr-19
0001595610	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	02-Apr-19
0001595608	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	02-Apr-19
0001595607	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	02-Apr-19
0001595606	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	02-Apr-19
0001595605	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	02-Apr-19
0001595604	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	02-Apr-19
0001595603	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	02-Apr-19
0001595602	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	02-Apr-19
0001595611	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	02-Apr-19
0001595615	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	02-Apr-19
0001595618	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	02-Apr-19
0001595619	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	02-Apr-19
0001595622	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	02-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001595621	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	02-Apr-19
0001595617	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	02-Apr-19
0001595616	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	02-Apr-19
0001595620	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	02-Apr-19
0001596069	-	FM 1-43FX	100	MicroGram(UG	02-Apr-19
0001573385	-	Battery Cleaner with Acid Indicator	11	Ounces(OZ)	02-Apr-19
0001573386	-	Battery Cleaner with Acid Indicator	11	Ounces(OZ)	02-Apr-19
0001573387	-	CRC QD ELECTRONIC CLEANER	11	Ounces(OZ)	02-Apr-19
0001573390	-	CRC QD ELECTRONIC CLEANER	11	Ounces(OZ)	02-Apr-19
0001573389	-	CRC QD ELECTRONIC CLEANER	11	Ounces(OZ)	02-Apr-19
0001573388	-	CRC QD ELECTRONIC CLEANER	11	Ounces(OZ)	02-Apr-19
0001573391	-	CRC QD ELECTRONIC CLEANER	11	Ounces(OZ)	02-Apr-19
0001573392	-	CRC QD ELECTRONIC CLEANER	11	Ounces(OZ)	02-Apr-19
V000002906	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	02-Apr-19
V00000290A	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	02-Apr-19
V000002907	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	02-Apr-19
V000002908	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	02-Apr-19
V000002909	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	02-Apr-19
V000002905	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	02-Apr-19
V00000290B	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	02-Apr-19
V00000293E	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V00000292F	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V00000292D	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V00000292B	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V00000292A	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V00000292E	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V000002929	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V000002928	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V000002927	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V00000292C	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V000002930	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V000002931	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V000002932	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V000002934	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V00000293D	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V00000293C	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V00000293B	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V000002926	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V00000293A	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V000002939	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V000002938	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V000002937	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V000002936	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V000002933	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V000002918	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V00000290C	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V00000290D	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V00000290E	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V00000290F	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V000002910	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V000002911	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V000002912	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V000002913	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V000002914	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V000002915	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V000002916	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V00000291A	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V000002917	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V000002925	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V000002919	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V000002935	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V00000291B	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V00000291C	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V00000291D	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V00000291E	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V00000291F	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V000002920	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V000002921	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V000002922	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V000002923	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V000002924	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	02-Apr-19
V000002947	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	02-Apr-19
V000002957	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	02-Apr-19
V000002945	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	02-Apr-19
V000002958	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	02-Apr-19
V00000293F	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	02-Apr-19
V000002956	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	02-Apr-19
V000002955	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	02-Apr-19
V000002954	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	02-Apr-19
V000002953	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	02-Apr-19
V000002952	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	02-Apr-19
V000002951	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	02-Apr-19
V000002950	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	02-Apr-19
V00000294F	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	02-Apr-19
V00000294E	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	02-Apr-19
V000002944	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	02-Apr-19
V00000294D	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	02-Apr-19
V000002940	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	02-Apr-19
V000002941	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	02-Apr-19
V000002943	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	02-Apr-19
V000002946	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	02-Apr-19
V000002948	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	02-Apr-19
V000002949	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	02-Apr-19
V00000294A	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	02-Apr-19
V00000294B	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	02-Apr-19
V00000294C	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	02-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002942	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	02-Apr-19
0001573393	-	SAE 0W-20 Synthetic Motor Oil	1	Quarts(QT)	02-Apr-19
0001573400	-	SAE 0W-20 Synthetic Motor Oil	1	Quarts(QT)	02-Apr-19
0001573394	-	SAE 0W-20 Synthetic Motor Oil	1	Quarts(QT)	02-Apr-19
0001573395	-	SAE 0W-20 Synthetic Motor Oil	1	Quarts(QT)	02-Apr-19
0001573396	-	SAE 0W-20 Synthetic Motor Oil	1	Quarts(QT)	02-Apr-19
0001573397	-	SAE 0W-20 Synthetic Motor Oil	1	Quarts(QT)	02-Apr-19
0001573401	-	SAE 0W-20 Synthetic Motor Oil	1	Quarts(QT)	02-Apr-19
0001573402	-	SAE 0W-20 Synthetic Motor Oil	1	Quarts(QT)	02-Apr-19
0001573403	-	SAE 0W-20 Synthetic Motor Oil	1	Quarts(QT)	02-Apr-19
0001573398	-	SAE 0W-20 Synthetic Motor Oil	1	Quarts(QT)	02-Apr-19
0001573399	-	SAE 0W-20 Synthetic Motor Oil	1	Quarts(QT)	02-Apr-19
0001573404	-	Battery Cleaner with Acid Indicator	11	Ounces(OZ)	02-Apr-19
0001564860	-	REFRIGERANT R-22	30	Pounds(LB)	03-Apr-19
0001564861	-	REFRIGERANT R-22	30	Pounds(LB)	03-Apr-19
0001564863	-	REFRIGERANT R-22	30	Pounds(LB)	03-Apr-19
0001564862	-	REFRIGERANT R-22	30	Pounds(LB)	03-Apr-19
0001564864	-	R-407C	25	Pounds(LB)	03-Apr-19
0001564865	-	AIR COMPRESSED	150	Cubic Feet(CF)	03-Apr-19
0001564866	7440-37-1	ARGON	100	Liters(L)	03-Apr-19
0001564867	7440-37-1	ARGON	100	Liters(L)	03-Apr-19
0001564868	7440-63-3	XENON	100	Liters(L)	03-Apr-19
0001564869	7440-63-3	XENON	100	Liters(L)	03-Apr-19
0001564870	7440-01-9	NEON	100	Liters(L)	03-Apr-19
0001564871	7440-01-9	NEON	100	Liters(L)	03-Apr-19
0001488459	-	STIHL PLATINUM BAR & CHAIN LUBRICANT	1	Quarts(QT)	03-Apr-19
0001488461	-	STIHL PLATINUM BAR & CHAIN LUBRICANT	1	Quarts(QT)	03-Apr-19
0001488464	-	STIHL PLATINUM BAR & CHAIN LUBRICANT	1	Quarts(QT)	03-Apr-19
0001488470	-	STIHL PLATINUM BAR & CHAIN LUBRICANT	1	Quarts(QT)	03-Apr-19
0001488469	-	STIHL PLATINUM BAR & CHAIN LUBRICANT	1	Quarts(QT)	03-Apr-19
0001488463	-	STIHL PLATINUM BAR & CHAIN LUBRICANT	1	Quarts(QT)	03-Apr-19
0001488462	-	STIHL PLATINUM BAR & CHAIN LUBRICANT	1	Quarts(QT)	03-Apr-19
0001488460	-	STIHL PLATINUM BAR & CHAIN LUBRICANT	1	Quarts(QT)	03-Apr-19
0001488468	-	STIHL PLATINUM BAR & CHAIN LUBRICANT	1	Quarts(QT)	03-Apr-19
0001488467	-	STIHL PLATINUM BAR & CHAIN LUBRICANT	1	Quarts(QT)	03-Apr-19
0001488466	-	STIHL PLATINUM BAR & CHAIN LUBRICANT	1	Quarts(QT)	03-Apr-19
0001488465	-	STIHL PLATINUM BAR & CHAIN LUBRICANT	1	Quarts(QT)	03-Apr-19
0001488433	-	Mobil Vacuoline 1409	5	Gallon(GAL)	03-Apr-19
0001488434	-	Mobil Vacuoline 1409	5	Gallon(GAL)	03-Apr-19
0001488431	68439-46-3	Tub O Scrub Hand Cleaner	128	Ounces(OZ)	03-Apr-19
0001488432	68439-46-3	Tub O Scrub Hand Cleaner	128	Ounces(OZ)	03-Apr-19
0001488371	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488403	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488404	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488406	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488396	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488407	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488380	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001488379	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488378	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488377	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488376	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488375	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488374	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488373	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488372	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488405	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488391	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488382	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488383	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488384	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488385	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488386	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488387	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488388	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488398	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488390	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488402	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488392	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488393	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488394	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488395	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488381	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488397	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488399	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488400	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488401	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488389	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488427	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488415	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488429	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488423	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488422	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488421	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488420	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488419	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488418	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488425	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488416	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488426	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488414	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488408	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488409	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488410	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488411	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488412	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001488413	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488417	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488428	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488430	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488424	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001564872	7439-90-9	KRYPTON	100	Liters(L)	03-Apr-19
0001564873	7439-90-9	KRYPTON	100	Liters(L)	03-Apr-19
0001488222	-	Tap-Ease	0.43	Ounces(OZ)	03-Apr-19
0001487862	-	Lenox ProTool Lube	14.5	Ounces(OZ)	03-Apr-19
0001564875	74-98-6	PROPANE	25	Pounds(LB)	03-Apr-19
0001488439	-	Minute Mend Epoxy Putty	4	Ounces(OZ)	03-Apr-19
0001564876	74-98-6	PROPANE	25	Pounds(LB)	03-Apr-19
0001488440	-	Minute Mend Epoxy Putty	4	Ounces(OZ)	03-Apr-19
0001488446	-	Minute Mend Epoxy Putty	4	Ounces(OZ)	03-Apr-19
0001488445	-	Minute Mend Epoxy Putty	4	Ounces(OZ)	03-Apr-19
0001488444	-	Minute Mend Epoxy Putty	4	Ounces(OZ)	03-Apr-19
0001488443	-	Minute Mend Epoxy Putty	4	Ounces(OZ)	03-Apr-19
0001488448	-	Minute Mend Epoxy Putty	4	Ounces(OZ)	03-Apr-19
0001488441	-	Minute Mend Epoxy Putty	4	Ounces(OZ)	03-Apr-19
0001488447	-	Minute Mend Epoxy Putty	4	Ounces(OZ)	03-Apr-19
0001488442	-	Minute Mend Epoxy Putty	4	Ounces(OZ)	03-Apr-19
0001487861	-	TAPMATIC EDGE CUTTING FLUID	13	Ounces(OZ)	03-Apr-19
0001564877	7440-59-7	Helium UHP	220	Cubic Feet(CF)	03-Apr-19
0001564882	7440-59-7	Helium UHP	220	Cubic Feet(CF)	03-Apr-19
0001564891	7440-59-7	Helium UHP	220	Cubic Feet(CF)	03-Apr-19
0001564890	7440-59-7	Helium UHP	220	Cubic Feet(CF)	03-Apr-19
0001564889	7440-59-7	Helium UHP	220	Cubic Feet(CF)	03-Apr-19
0001564888	7440-59-7	Helium UHP	220	Cubic Feet(CF)	03-Apr-19
0001564887	7440-59-7	Helium UHP	220	Cubic Feet(CF)	03-Apr-19
0001564886	7440-59-7	Helium UHP	220	Cubic Feet(CF)	03-Apr-19
0001564885	7440-59-7	Helium UHP	220	Cubic Feet(CF)	03-Apr-19
0001564883	7440-59-7	Helium UHP	220	Cubic Feet(CF)	03-Apr-19
0001564881	7440-59-7	Helium UHP	220	Cubic Feet(CF)	03-Apr-19
0001564880	7440-59-7	Helium UHP	220	Cubic Feet(CF)	03-Apr-19
0001564878	7440-59-7	Helium UHP	220	Cubic Feet(CF)	03-Apr-19
0001564879	7440-59-7	Helium UHP	220	Cubic Feet(CF)	03-Apr-19
0001564884	7440-59-7	Helium UHP	220	Cubic Feet(CF)	03-Apr-19
0001564892	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-Apr-19
0001564914	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-Apr-19
0001564897	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-Apr-19
0001564898	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-Apr-19
0001564899	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-Apr-19
0001564900	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-Apr-19
0001564901	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-Apr-19
0001564903	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-Apr-19
0001564905	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-Apr-19
0001564906	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-Apr-19
0001564915	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001564913	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-Apr-19
0001564912	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-Apr-19
0001564911	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-Apr-19
0001564910	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-Apr-19
0001564896	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-Apr-19
0001564909	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-Apr-19
0001564902	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-Apr-19
0001564908	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-Apr-19
0001564907	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-Apr-19
0001564916	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-Apr-19
0001564904	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-Apr-19
0001564895	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-Apr-19
0001564894	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-Apr-19
0001564893	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-Apr-19
0001564917	74-82-8	METHANE	220	Cubic Feet(CF)	03-Apr-19
0001488449	-	Loctite FM Metal Magic	4	Ounces(OZ)	03-Apr-19
0001488453	-	Loctite FM Metal Magic	4	Ounces(OZ)	03-Apr-19
0001488458	-	Loctite FM Metal Magic	4	Ounces(OZ)	03-Apr-19
0001488457	-	Loctite FM Metal Magic	4	Ounces(OZ)	03-Apr-19
0001488456	-	Loctite FM Metal Magic	4	Ounces(OZ)	03-Apr-19
0001488454	-	Loctite FM Metal Magic	4	Ounces(OZ)	03-Apr-19
0001488450	-	Loctite FM Metal Magic	4	Ounces(OZ)	03-Apr-19
0001488452	-	Loctite FM Metal Magic	4	Ounces(OZ)	03-Apr-19
0001488451	-	Loctite FM Metal Magic	4	Ounces(OZ)	03-Apr-19
0001488455	-	Loctite FM Metal Magic	4	Ounces(OZ)	03-Apr-19
0001487502	-	Loctite 620 Retaining Compound Slip Fit	50	Milliliter(ML)	03-Apr-19
0001488367	67-63-0	ISOPROPYL ALCOHOL AND WATER	1	Gallon(GAL)	03-Apr-19
0001488369	67-63-0	ISOPROPYL ALCOHOL AND WATER	1	Gallon(GAL)	03-Apr-19
0001488370	67-63-0	ISOPROPYL ALCOHOL AND WATER	1	Gallon(GAL)	03-Apr-19
0001488368	67-63-0	ISOPROPYL ALCOHOL AND WATER	1	Gallon(GAL)	03-Apr-19
0001488331	-	FS-One Max	10	Ounces(OZ)	03-Apr-19
0001488337	-	FS-One Max	10	Ounces(OZ)	03-Apr-19
0001488338	-	FS-One Max	10	Ounces(OZ)	03-Apr-19
0001488339	-	FS-One Max	10	Ounces(OZ)	03-Apr-19
0001488332	-	FS-One Max	10	Ounces(OZ)	03-Apr-19
0001488333	-	FS-One Max	10	Ounces(OZ)	03-Apr-19
0001488334	-	FS-One Max	10	Ounces(OZ)	03-Apr-19
0001488336	-	FS-One Max	10	Ounces(OZ)	03-Apr-19
0001488341	-	FS-One Max	10	Ounces(OZ)	03-Apr-19
0001488342	-	FS-One Max	10	Ounces(OZ)	03-Apr-19
0001488335	-	FS-One Max	10	Ounces(OZ)	03-Apr-19
0001488340	-	FS-One Max	10	Ounces(OZ)	03-Apr-19
0001144711	-	Shredder Oil	12	Ounces(OZ)	03-Apr-19
0001488343	-	Simple Green All-Purpose Cleaner	24	Ounces(OZ)	03-Apr-19
0001144712	-	Shredder Oil	12	Ounces(OZ)	03-Apr-19
0001488352	-	Simple Green All-Purpose Cleaner	24	Ounces(OZ)	03-Apr-19
0001488347	-	Simple Green All-Purpose Cleaner	24	Ounces(OZ)	03-Apr-19
0001488346	-	Simple Green All-Purpose Cleaner	24	Ounces(OZ)	03-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001488345	-	Simple Green All-Purpose Cleaner	24	Ounces(OZ)	03-Apr-19
0001488350	-	Simple Green All-Purpose Cleaner	24	Ounces(OZ)	03-Apr-19
0001488344	-	Simple Green All-Purpose Cleaner	24	Ounces(OZ)	03-Apr-19
0001488353	-	Simple Green All-Purpose Cleaner	24	Ounces(OZ)	03-Apr-19
0001488354	-	Simple Green All-Purpose Cleaner	24	Ounces(OZ)	03-Apr-19
0001488348	-	Simple Green All-Purpose Cleaner	24	Ounces(OZ)	03-Apr-19
0001488349	-	Simple Green All-Purpose Cleaner	24	Ounces(OZ)	03-Apr-19
0001488351	-	Simple Green All-Purpose Cleaner	24	Ounces(OZ)	03-Apr-19
0001144713	-	Shredder Oil	12	Ounces(OZ)	03-Apr-19
0001488329	-	CLR	1	Gallon(GAL)	03-Apr-19
0001488330	-	CLR	1	Gallon(GAL)	03-Apr-19
0001487853	-	MOBIL DTE 24 HYDRAULIC OIL	55	Gallon(GAL)	03-Apr-19
0001487854	-	MOBIL DTE 24 HYDRAULIC OIL	55	Gallon(GAL)	03-Apr-19
0001487851	Multi	MOBIL DTE 21	5	Gallon(GAL)	03-Apr-19
0001487852	Multi	MOBIL DTE 21	5	Gallon(GAL)	03-Apr-19
0001488301	-	TAPMATIC EDGE CUTTING FLUID	13	Ounces(OZ)	03-Apr-19
0001488302	-	TAPMATIC EDGE CUTTING FLUID	13	Ounces(OZ)	03-Apr-19
0001488303	-	TAPMATIC EDGE CUTTING FLUID	13	Ounces(OZ)	03-Apr-19
0001488304	-	TAPMATIC EDGE CUTTING FLUID	13	Ounces(OZ)	03-Apr-19
0001487859	-	GOJO Orange Pumice Hand Cleaner	1	Gallon(GAL)	03-Apr-19
0001487860	-	GOJO Orange Pumice Hand Cleaner	1	Gallon(GAL)	03-Apr-19
0001487855	-	Variocut C Moly Dee	16	Ounces(OZ)	03-Apr-19
0001487857	-	Variocut C Moly Dee	16	Ounces(OZ)	03-Apr-19
0001487856	-	Variocut C Moly Dee	16	Ounces(OZ)	03-Apr-19
0001487858	-	Variocut C Moly Dee	16	Ounces(OZ)	03-Apr-19
0001487646	-	Castrol Moly Dee CF Tapping Fluid	1	Gallon(GAL)	03-Apr-19
0001488077	-	WD-40	1	Gallon(GAL)	03-Apr-19
0001488078	-	WD-40	1	Gallon(GAL)	03-Apr-19
0001488317	-	TRI-FLOW INDUSTRIAL LUBRICANT WITH TEFLON	2	Ounces(OZ)	03-Apr-19
0001488318	-	TRI-FLOW INDUSTRIAL LUBRICANT WITH TEFLON	2	Ounces(OZ)	03-Apr-19
0001488324	-	TRI-FLOW INDUSTRIAL LUBRICANT WITH TEFLON	2	Ounces(OZ)	03-Apr-19
0001488319	-	TRI-FLOW INDUSTRIAL LUBRICANT WITH TEFLON	2	Ounces(OZ)	03-Apr-19
0001488320	-	TRI-FLOW INDUSTRIAL LUBRICANT WITH TEFLON	2	Ounces(OZ)	03-Apr-19
0001488321	-	TRI-FLOW INDUSTRIAL LUBRICANT WITH TEFLON	2	Ounces(OZ)	03-Apr-19
0001488322	-	TRI-FLOW INDUSTRIAL LUBRICANT WITH TEFLON	2	Ounces(OZ)	03-Apr-19
0001488323	-	TRI-FLOW INDUSTRIAL LUBRICANT WITH TEFLON	2	Ounces(OZ)	03-Apr-19
0001488325	-	TRI-FLOW INDUSTRIAL LUBRICANT WITH TEFLON	2	Ounces(OZ)	03-Apr-19
0001488328	-	TRI-FLOW INDUSTRIAL LUBRICANT WITH TEFLON	2	Ounces(OZ)	03-Apr-19
0001488326	-	TRI-FLOW INDUSTRIAL LUBRICANT WITH TEFLON	2	Ounces(OZ)	03-Apr-19
0001488327	-	TRI-FLOW INDUSTRIAL LUBRICANT WITH TEFLON	2	Ounces(OZ)	03-Apr-19
0001564918	-	Nitrogen UHP	220	Cubic Feet(CF)	03-Apr-19
0001564919	-	Nitrogen UHP	220	Cubic Feet(CF)	03-Apr-19
0001564920	-	Nitrogen UHP	220	Cubic Feet(CF)	03-Apr-19
0001564926	-	Nitrogen UHP	220	Cubic Feet(CF)	03-Apr-19
0001564927	-	Nitrogen UHP	220	Cubic Feet(CF)	03-Apr-19
0001564921	-	Nitrogen UHP	220	Cubic Feet(CF)	03-Apr-19
0001564928	-	Nitrogen UHP	220	Cubic Feet(CF)	03-Apr-19
0001564923	-	Nitrogen UHP	220	Cubic Feet(CF)	03-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001564931	-	Nitrogen UHP	220	Cubic Feet(CF)	03-Apr-19
0001564924	-	Nitrogen UHP	220	Cubic Feet(CF)	03-Apr-19
0001564925	-	Nitrogen UHP	220	Cubic Feet(CF)	03-Apr-19
0001564922	-	Nitrogen UHP	220	Cubic Feet(CF)	03-Apr-19
0001564936	-	Nitrogen UHP	220	Cubic Feet(CF)	03-Apr-19
0001564930	-	Nitrogen UHP	220	Cubic Feet(CF)	03-Apr-19
0001564940	-	Nitrogen UHP	220	Cubic Feet(CF)	03-Apr-19
0001564939	-	Nitrogen UHP	220	Cubic Feet(CF)	03-Apr-19
0001564929	-	Nitrogen UHP	220	Cubic Feet(CF)	03-Apr-19
0001564937	-	Nitrogen UHP	220	Cubic Feet(CF)	03-Apr-19
0001564935	-	Nitrogen UHP	220	Cubic Feet(CF)	03-Apr-19
0001564934	-	Nitrogen UHP	220	Cubic Feet(CF)	03-Apr-19
0001564933	-	Nitrogen UHP	220	Cubic Feet(CF)	03-Apr-19
0001564932	-	Nitrogen UHP	220	Cubic Feet(CF)	03-Apr-19
0001564938	-	Nitrogen UHP	220	Cubic Feet(CF)	03-Apr-19
0001488305	-	FIRESTOP PUTTY STICK CP 618	295	Milliliter(ML)	03-Apr-19
0001488314	-	FIRESTOP PUTTY STICK CP 618	295	Milliliter(ML)	03-Apr-19
0001488307	-	FIRESTOP PUTTY STICK CP 618	295	Milliliter(ML)	03-Apr-19
0001488306	-	FIRESTOP PUTTY STICK CP 618	295	Milliliter(ML)	03-Apr-19
0001488308	-	FIRESTOP PUTTY STICK CP 618	295	Milliliter(ML)	03-Apr-19
0001488309	-	FIRESTOP PUTTY STICK CP 618	295	Milliliter(ML)	03-Apr-19
0001488310	-	FIRESTOP PUTTY STICK CP 618	295	Milliliter(ML)	03-Apr-19
0001488311	-	FIRESTOP PUTTY STICK CP 618	295	Milliliter(ML)	03-Apr-19
0001488312	-	FIRESTOP PUTTY STICK CP 618	295	Milliliter(ML)	03-Apr-19
0001488315	-	FIRESTOP PUTTY STICK CP 618	295	Milliliter(ML)	03-Apr-19
0001488313	-	FIRESTOP PUTTY STICK CP 618	295	Milliliter(ML)	03-Apr-19
0001488316	-	FIRESTOP PUTTY STICK CP 618	295	Milliliter(ML)	03-Apr-19
0001487620	-	HIT-RE 500 V3	11.1	Ounces(OZ)	03-Apr-19
0001487622	-	HIT-RE 500 V3	11.1	Ounces(OZ)	03-Apr-19
0001487624	-	HIT-RE 500 V3	11.1	Ounces(OZ)	03-Apr-19
0001487623	-	HIT-RE 500 V3	11.1	Ounces(OZ)	03-Apr-19
0001487621	-	HIT-RE 500 V3	11.1	Ounces(OZ)	03-Apr-19
0001487286	74-84-0	Loctite Anti-seize	8	Ounces(OZ)	03-Apr-19
0001488295	-	Hilti HIT-HY 200-R	330	Milliliter(ML)	03-Apr-19
0001488300	-	Hilti HIT-HY 200-R	330	Milliliter(ML)	03-Apr-19
0001488299	-	Hilti HIT-HY 200-R	330	Milliliter(ML)	03-Apr-19
0001488298	-	Hilti HIT-HY 200-R	330	Milliliter(ML)	03-Apr-19
0001488297	-	Hilti HIT-HY 200-R	330	Milliliter(ML)	03-Apr-19
0001488296	-	Hilti HIT-HY 200-R	330	Milliliter(ML)	03-Apr-19
0001488268	-	J-B WELD EPOXY KIT (2 PART)	10	Ounces(OZ)	03-Apr-19
0001488277	-	J-B WELD EPOXY KIT (2 PART)	10	Ounces(OZ)	03-Apr-19
0001488276	-	J-B WELD EPOXY KIT (2 PART)	10	Ounces(OZ)	03-Apr-19
0001488279	-	J-B WELD EPOXY KIT (2 PART)	10	Ounces(OZ)	03-Apr-19
0001488269	-	J-B WELD EPOXY KIT (2 PART)	10	Ounces(OZ)	03-Apr-19
0001488270	-	J-B WELD EPOXY KIT (2 PART)	10	Ounces(OZ)	03-Apr-19
0001488271	-	J-B WELD EPOXY KIT (2 PART)	10	Ounces(OZ)	03-Apr-19
0001488272	-	J-B WELD EPOXY KIT (2 PART)	10	Ounces(OZ)	03-Apr-19
0001488273	-	J-B WELD EPOXY KIT (2 PART)	10	Ounces(OZ)	03-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001488275	-	J-B WELD EPOXY KIT (2 PART)	10	Ounces(OZ)	03-Apr-19
0001488278	-	J-B WELD EPOXY KIT (2 PART)	10	Ounces(OZ)	03-Apr-19
0001488280	-	J-B WELD EPOXY KIT (2 PART)	10	Ounces(OZ)	03-Apr-19
0001488274	-	J-B WELD EPOXY KIT (2 PART)	10	Ounces(OZ)	03-Apr-19
0001488281	-	J-B WELD EPOXY KIT (2 PART)	10	Ounces(OZ)	03-Apr-19
0001564941	-	Argon UHP	220	Cubic Feet(CF)	03-Apr-19
0001564954	-	Argon UHP	220	Cubic Feet(CF)	03-Apr-19
0001564951	-	Argon UHP	220	Cubic Feet(CF)	03-Apr-19
0001564950	-	Argon UHP	220	Cubic Feet(CF)	03-Apr-19
0001564949	-	Argon UHP	220	Cubic Feet(CF)	03-Apr-19
0001564953	-	Argon UHP	220	Cubic Feet(CF)	03-Apr-19
0001564952	-	Argon UHP	220	Cubic Feet(CF)	03-Apr-19
0001564943	-	Argon UHP	220	Cubic Feet(CF)	03-Apr-19
0001564944	-	Argon UHP	220	Cubic Feet(CF)	03-Apr-19
0001564942	-	Argon UHP	220	Cubic Feet(CF)	03-Apr-19
0001564955	-	Argon UHP	220	Cubic Feet(CF)	03-Apr-19
0001564948	-	Argon UHP	220	Cubic Feet(CF)	03-Apr-19
0001564946	-	Argon UHP	220	Cubic Feet(CF)	03-Apr-19
0001564947	-	Argon UHP	220	Cubic Feet(CF)	03-Apr-19
0001564945	-	Argon UHP	220	Cubic Feet(CF)	03-Apr-19
0001488247	-	STAY SILV FLUX	1	Pounds(LB)	03-Apr-19
0001488249	-	STAY SILV FLUX	1	Pounds(LB)	03-Apr-19
0001488251	-	STAY SILV FLUX	1	Pounds(LB)	03-Apr-19
0001488259	-	STAY SILV FLUX	1	Pounds(LB)	03-Apr-19
0001488248	-	STAY SILV FLUX	1	Pounds(LB)	03-Apr-19
0001488250	-	STAY SILV FLUX	1	Pounds(LB)	03-Apr-19
0001488253	-	STAY SILV FLUX	1	Pounds(LB)	03-Apr-19
0001488254	-	STAY SILV FLUX	1	Pounds(LB)	03-Apr-19
0001488255	-	STAY SILV FLUX	1	Pounds(LB)	03-Apr-19
0001488256	-	STAY SILV FLUX	1	Pounds(LB)	03-Apr-19
0001488258	-	STAY SILV FLUX	1	Pounds(LB)	03-Apr-19
0001488257	-	STAY SILV FLUX	1	Pounds(LB)	03-Apr-19
0001488260	-	STAY SILV FLUX	1	Pounds(LB)	03-Apr-19
0001488261	-	STAY SILV FLUX	1	Pounds(LB)	03-Apr-19
0001488252	-	STAY SILV FLUX	1	Pounds(LB)	03-Apr-19
0001488285	-	26BR High Temp RTV Red Silicone Gasket Maker	3	Ounces(OZ)	03-Apr-19
0001488292	-	26BR High Temp RTV Red Silicone Gasket Maker	3	Ounces(OZ)	03-Apr-19
0001488286	-	26BR High Temp RTV Red Silicone Gasket Maker	3	Ounces(OZ)	03-Apr-19
0001488287	-	26BR High Temp RTV Red Silicone Gasket Maker	3	Ounces(OZ)	03-Apr-19
0001488288	-	26BR High Temp RTV Red Silicone Gasket Maker	3	Ounces(OZ)	03-Apr-19
0001488289	-	26BR High Temp RTV Red Silicone Gasket Maker	3	Ounces(OZ)	03-Apr-19
0001488290	-	26BR High Temp RTV Red Silicone Gasket Maker	3	Ounces(OZ)	03-Apr-19
0001488291	-	26BR High Temp RTV Red Silicone Gasket Maker	3	Ounces(OZ)	03-Apr-19
0001488294	-	26BR High Temp RTV Red Silicone Gasket Maker	3	Ounces(OZ)	03-Apr-19
0001488293	-	26BR High Temp RTV Red Silicone Gasket Maker	3	Ounces(OZ)	03-Apr-19
0001564956	-	AIR COMPRESSED	220	Cubic Feet(CF)	03-Apr-19
0001564957	74-98-6	PROPANE	11	Gallon(GAL)	03-Apr-19
0001564964	74-98-6	PROPANE	11	Gallon(GAL)	03-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001564963	74-98-6	PROPANE	11	Gallon(GAL)	03-Apr-19
0001564962	74-98-6	PROPANE	11	Gallon(GAL)	03-Apr-19
0001564961	74-98-6	PROPANE	11	Gallon(GAL)	03-Apr-19
0001564960	74-98-6	PROPANE	11	Gallon(GAL)	03-Apr-19
0001564959	74-98-6	PROPANE	11	Gallon(GAL)	03-Apr-19
0001564958	74-98-6	PROPANE	11	Gallon(GAL)	03-Apr-19
0001564965	74-98-6	PROPANE	11	Gallon(GAL)	03-Apr-19
0001488130	-	LOCTITE 242 THREADLOCKER	50	Milliliter(ML)	03-Apr-19
0001488131	-	LOCTITE 242 THREADLOCKER	50	Milliliter(ML)	03-Apr-19
0001488132	-	5-MINUTE EPOXY	25	Milliliter(ML)	03-Apr-19
0001488138	-	5-MINUTE EPOXY	25	Milliliter(ML)	03-Apr-19
0001488134	-	5-MINUTE EPOXY	25	Milliliter(ML)	03-Apr-19
0001488135	-	5-MINUTE EPOXY	25	Milliliter(ML)	03-Apr-19
0001488136	-	5-MINUTE EPOXY	25	Milliliter(ML)	03-Apr-19
0001488137	-	5-MINUTE EPOXY	25	Milliliter(ML)	03-Apr-19
0001488139	-	5-MINUTE EPOXY	25	Milliliter(ML)	03-Apr-19
0001488140	-	5-MINUTE EPOXY	25	Milliliter(ML)	03-Apr-19
0001488141	-	5-MINUTE EPOXY	25	Milliliter(ML)	03-Apr-19
0001488142	-	5-MINUTE EPOXY	25	Milliliter(ML)	03-Apr-19
0001488133	-	5-MINUTE EPOXY	25	Milliliter(ML)	03-Apr-19
0001488143	-	5-MINUTE EPOXY	25	Milliliter(ML)	03-Apr-19
0001488223	-	FS-One Max	10	Ounces(OZ)	03-Apr-19
0001488232	-	FS-One Max	10	Ounces(OZ)	03-Apr-19
0001488245	-	FS-One Max	10	Ounces(OZ)	03-Apr-19
0001488244	-	FS-One Max	10	Ounces(OZ)	03-Apr-19
0001488243	-	FS-One Max	10	Ounces(OZ)	03-Apr-19
0001488241	-	FS-One Max	10	Ounces(OZ)	03-Apr-19
0001488239	-	FS-One Max	10	Ounces(OZ)	03-Apr-19
0001488238	-	FS-One Max	10	Ounces(OZ)	03-Apr-19
0001488237	-	FS-One Max	10	Ounces(OZ)	03-Apr-19
0001488236	-	FS-One Max	10	Ounces(OZ)	03-Apr-19
0001488235	-	FS-One Max	10	Ounces(OZ)	03-Apr-19
0001488246	-	FS-One Max	10	Ounces(OZ)	03-Apr-19
0001488233	-	FS-One Max	10	Ounces(OZ)	03-Apr-19
0001488242	-	FS-One Max	10	Ounces(OZ)	03-Apr-19
0001488231	-	FS-One Max	10	Ounces(OZ)	03-Apr-19
0001488230	-	FS-One Max	10	Ounces(OZ)	03-Apr-19
0001488229	-	FS-One Max	10	Ounces(OZ)	03-Apr-19
0001488228	-	FS-One Max	10	Ounces(OZ)	03-Apr-19
0001488227	-	FS-One Max	10	Ounces(OZ)	03-Apr-19
0001488226	-	FS-One Max	10	Ounces(OZ)	03-Apr-19
0001488225	-	FS-One Max	10	Ounces(OZ)	03-Apr-19
0001488224	-	FS-One Max	10	Ounces(OZ)	03-Apr-19
0001488234	-	FS-One Max	10	Ounces(OZ)	03-Apr-19
0001488240	-	FS-One Max	10	Ounces(OZ)	03-Apr-19
0001488220	-	TAP MAGIC #1 GOLD CUTTING FLUID	11	Ounces(OZ)	03-Apr-19
0001488221	-	TAP MAGIC #1 GOLD CUTTING FLUID	11	Ounces(OZ)	03-Apr-19
0001488218	-	TAP MAGIC PROTAP CUTTING FLUID	16	Ounces(OZ)	03-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001488219	-	TAP MAGIC PROTAP CUTTING FLUID	16	Ounces(OZ)	03-Apr-19
0001488216	-	Tap Magic EP-Xtra Cutting Fluid	4	Ounces(OZ)	03-Apr-19
0001488217	-	Tap Magic EP-Xtra Cutting Fluid	4	Ounces(OZ)	03-Apr-19
0001488214	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488215	-	WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10.1	Ounces(OZ)	03-Apr-19
0001488211	-	Hilti HIT-HY 200-R	11	Ounces(OZ)	03-Apr-19
0001488212	-	Hilti HIT-HY 200-R	11	Ounces(OZ)	03-Apr-19
0001488213	-	Hilti HIT-HY 200-R	11	Ounces(OZ)	03-Apr-19
0001488793	-	Reprorubber Putty	720	Milliliter(ML)	03-Apr-19
0001488794	-	Reprorubber Putty	720	Milliliter(ML)	03-Apr-19
0001488795	-	FLEXBAR REPRORUBBER THIN POUR MATERIAL	130	Milliliter(ML)	03-Apr-19
0001488796	-	FLEXBAR REPRORUBBER THIN POUR MATERIAL	130	Milliliter(ML)	03-Apr-19
0001564544	-	WATER 250PPM IN HELIUM	80	Cubic Feet(CF)	03-Apr-19
0001564545	-	WATER 250PPM IN HELIUM	80	Cubic Feet(CF)	03-Apr-19
0001457047	-	XEROX 1090 PRINTER	3.6	Kilograms(KG)	03-Apr-19
0001457049	-	XEROX 1090 PRINTER	3.6	Kilograms(KG)	03-Apr-19
0001457048	-	XEROX 1090 PRINTER	3.6	Kilograms(KG)	03-Apr-19
0001457050	-	XEROX 1090 PRINTER	3.6	Kilograms(KG)	03-Apr-19
0001457051	-	XEROX 1090 PRINTER	3.6	Kilograms(KG)	03-Apr-19
0001457052	-	XEROX 1090 PRINTER	3.6	Kilograms(KG)	03-Apr-19
0001457065	-	XEROX 1090 PRINTER	3.6	Kilograms(KG)	03-Apr-19
0001457068	-	XEROX 1090 PRINTER	3.6	Kilograms(KG)	03-Apr-19
0001457070	-	XEROX 1090 PRINTER	3.6	Kilograms(KG)	03-Apr-19
0001457067	-	XEROX 1090 PRINTER	3.6	Kilograms(KG)	03-Apr-19
0001457066	-	XEROX 1090 PRINTER	3.6	Kilograms(KG)	03-Apr-19
0001457069	-	XEROX 1090 PRINTER	3.6	Kilograms(KG)	03-Apr-19
0001457074	-	XEROX 1090 PRINTER	3.6	Kilograms(KG)	03-Apr-19
0001457078	-	XEROX 1090 PRINTER	3.6	Kilograms(KG)	03-Apr-19
0001457077	-	XEROX 1090 PRINTER	3.6	Kilograms(KG)	03-Apr-19
0001457076	-	XEROX 1090 PRINTER	3.6	Kilograms(KG)	03-Apr-19
0001457075	-	XEROX 1090 PRINTER	3.6	Kilograms(KG)	03-Apr-19
0001266110	-	RUST-OLEUM JADE PAINTERS TOUCH SPRAY	12	Ounces(OZ)	03-Apr-19
0001266111	-	CLASSIC CARE HAIRSPRAY	11	Ounces(OZ)	03-Apr-19
0001514787	1668-00-4	ARSENAZO III	5	Gram(GM)	04-Apr-19
0001594872	57-57-8	BETA-PROPIOLACTONE	5	Gram(GM)	04-Apr-19
0001594873	-	MOBIL DTE 25	55	Gallon(GAL)	04-Apr-19
0001594874	110-86-1	PYRIDINE (PYRIDINE ANHYDROUS)	1	Liters(L)	04-Apr-19
0001594876	110-86-1	PYRIDINE (PYRIDINE ANHYDROUS)	1	Liters(L)	04-Apr-19
0001594878	110-86-1	PYRIDINE (PYRIDINE ANHYDROUS)	1	Liters(L)	04-Apr-19
0001594877	110-86-1	PYRIDINE (PYRIDINE ANHYDROUS)	1	Liters(L)	04-Apr-19
0001594875	110-86-1	PYRIDINE (PYRIDINE ANHYDROUS)	1	Liters(L)	04-Apr-19
0001594879	110-86-1	PYRIDINE (PYRIDINE ANHYDROUS)	1	Liters(L)	04-Apr-19
0001594880	1310-73-2	SODIUM HYDROXIDE	4	Liters(L)	04-Apr-19
0001594881	1310-73-2	SODIUM HYDROXIDE	4	Liters(L)	04-Apr-19
0001594883	1310-73-2	SODIUM HYDROXIDE	4	Liters(L)	04-Apr-19
0001594882	1310-73-2	SODIUM HYDROXIDE	4	Liters(L)	04-Apr-19
0001595126	407-25-0	TRIFLUOROACETIC ANHYDRIDE	100	Gram(GM)	04-Apr-19
0001595127	16009-13-5	HEMIN	5	Gram(GM)	04-Apr-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001595128	-	Ceramic Resin Cartridge	1	Liters(L)	04-Apr-19
0001595129	7664-38-2	PHOSPHORIC ACID	100	Milliliter(ML)	04-Apr-19
0001595130	7439-94-3	LUTETIUM	5	Gram(GM)	04-Apr-19
0001595131	-	FOMBLIN PERFLUOROPOLYETHER VACUUM	5	Liters(L)	04-Apr-19
0001595132	7446-08-4	SELENIUM(IV) OXIDE	100	Gram(GM)	04-Apr-19
0001595133	506-59-2	DIMETHYLAMINE HYDROCHLORIDE	100	Gram(GM)	04-Apr-19
0001595134	10025-94-2	YTTRIUM(III) CHLORIDE HEXAHYDRATE	25	Gram(GM)	04-Apr-19
0001595135	112-88-9	1-OCTADECENE	1	Liters(L)	04-Apr-19
0001595136	124-30-1	OCTADECYLAMINE	25	Gram(GM)	04-Apr-19
0001595137	301-10-0	TIN (II) 2-ETHYLHEXANOATE	100	Gram(GM)	04-Apr-19
0001595139	301-10-0	TIN (II) 2-ETHYLHEXANOATE	100	Gram(GM)	04-Apr-19
0001595138	301-10-0	TIN (II) 2-ETHYLHEXANOATE	100	Gram(GM)	04-Apr-19
0001595140	7440-42-8	BORON POWDER	1	Gram(GM)	04-Apr-19
0001595142	1314-23-4	ZIRCONIUM(IV) OXIDE	100	Gram(GM)	04-Apr-19
0001595143	1314-23-4	ZIRCONIUM(IV) OXIDE	100	Gram(GM)	04-Apr-19
0001595144	67-63-0	ISOPROPYL ALCOHOL	4	Liters(L)	04-Apr-19
0001595145	-	Eichrom Ln Resin	50	Gram(GM)	04-Apr-19
0001595146	-	Eichrom Ln Resin	50	Gram(GM)	04-Apr-19
0001595147	3566-44-7	Variamine Blue B [Redox Indicator]	1	Gram(GM)	04-Apr-19
0001595746	10028-22-5	FERRIC SULFATE 50%	55	Gallon(GAL)	04-Apr-19
0001595748	10028-22-5	FERRIC SULFATE 50%	55	Gallon(GAL)	04-Apr-19
0001595749	10028-22-5	FERRIC SULFATE 50%	55	Gallon(GAL)	04-Apr-19
0001595747	10028-22-5	FERRIC SULFATE 50%	55	Gallon(GAL)	04-Apr-19
0001595750	26628-22-8	Normal Horse Serum	500	Milliliter(ML)	04-Apr-19
0001595752	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	1	Liters(L)	04-Apr-19
0001595753	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	1	Liters(L)	04-Apr-19
0001595754	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	1	Liters(L)	04-Apr-19
0001595755	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	1	Liters(L)	04-Apr-19
0001596070	373-44-4	1 8-DIAMINOOCTANE	25	Gram(GM)	04-Apr-19
0001596071	2834-05-1	11-BROMOUNDECANOIC ACID	25	Gram(GM)	04-Apr-19
0001596072	2834-05-1	11-BROMOUNDECANOIC ACID	25	Gram(GM)	04-Apr-19
0001596073	2834-05-1	11-BROMOUNDECANOIC ACID	25	Gram(GM)	04-Apr-19
0001596074	-	MULTI ELEMENT STANDARD	125	Milliliter(ML)	04-Apr-19
0001596075	-	MULTI ELEMENT STANDARD	125	Milliliter(ML)	04-Apr-19
0001564874	7440-59-7	HELIUM	100	Liters(L)	04-Apr-19
0001596076	630-76-2	TETRAPHENYLMETHANE	25	Gram(GM)	04-Apr-19
0001596077	60532-63-0	Tetrakis(4-aminophenyl)methane	5	Gram(GM)	04-Apr-19
0001596078	69272-50-0	3 6-Dibromobenzene-1 2-diamine	10	Gram(GM)	04-Apr-19
0001596079	128376-64-7	4-Formylphenylboronic acid pinacol ester	25	Gram(GM)	04-Apr-19
0001596080	25389-94-0	KANAMYCIN MONOSULFATE	50	Milligram(MG)	04-Apr-19
0001596081	-	GLUTAMAX I 100X	100	Milliliter(ML)	04-Apr-19
0001596082	376-27-2	Methyl perfluorooctanoate	25	Gram(GM)	04-Apr-19
0001596083	-	DULBECCO'S PHOSPHATE BUFF	500	Milliliter(ML)	04-Apr-19
0001596086	-	DULBECCO'S PHOSPHATE BUFF	500	Milliliter(ML)	04-Apr-19
0001596087	-	DULBECCO'S PHOSPHATE BUFF	500	Milliliter(ML)	04-Apr-19
0001596085	-	DULBECCO'S PHOSPHATE BUFF	500	Milliliter(ML)	04-Apr-19
0001596084	-	DULBECCO'S PHOSPHATE BUFF	500	Milliliter(ML)	04-Apr-19
0001596088	7758-09-0	POTASSIUM NITRITE	500	Gram(GM)	04-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001596089	14516-54-2	BROMOPENTACARBONYLMANGANESE	5	Gram(GM)	04-Apr-19
0001596090	7647-14-5	SODIUM CHLORIDE	25	Gram(GM)	04-Apr-19
0001596091	7447-40-7	POTASSIUM CHLORIDE	50	Gram(GM)	04-Apr-19
0001596092	7697-37-2	NITRIC ACID OPTIMA	250	Milliliter(ML)	04-Apr-19
0001596093	6153-56-6	OXALIC ACID DIHYDRATE	500	Gram(GM)	04-Apr-19
0001596094	16853-85-3	LITHIUM ALUMINUM HYDRIDE	10	Gram(GM)	04-Apr-19
0001596095	-	CYTEC EN 7 PART B QT	1	Gallon(GAL)	04-Apr-19
0001596096	301-10-0	TIN (II) 2-ETHYLHEXANOATE	1	Kilograms(KG)	04-Apr-19
0001596097	301-10-0	TIN (II) 2-ETHYLHEXANOATE	1	Kilograms(KG)	04-Apr-19
0001596098	301-10-0	TIN (II) 2-ETHYLHEXANOATE	1	Kilograms(KG)	04-Apr-19
0001596099	67-64-1	ACETONE REAGENT ACS	4	Liters(L)	04-Apr-19
0001596101	67-64-1	ACETONE REAGENT ACS	4	Liters(L)	04-Apr-19
0001596102	67-64-1	ACETONE REAGENT ACS	4	Liters(L)	04-Apr-19
0001596100	67-64-1	ACETONE REAGENT ACS	4	Liters(L)	04-Apr-19
0001596103	67-63-0	ISOPROPANOL (2-PROPANOL)	2.5	Liters(L)	04-Apr-19
0001596104	67-63-0	ISOPROPANOL (2-PROPANOL)	2.5	Liters(L)	04-Apr-19
0001596105	67-63-0	ISOPROPANOL (2-PROPANOL)	2.5	Liters(L)	04-Apr-19
0001596106	67-63-0	ISOPROPANOL (2-PROPANOL)	2.5	Liters(L)	04-Apr-19
0001596107	67-64-1	ACETONE REAGENT ACS	4	Liters(L)	04-Apr-19
0001596108	67-64-1	ACETONE REAGENT ACS	4	Liters(L)	04-Apr-19
0001596127	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	04-Apr-19
0001596132	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	04-Apr-19
0001596140	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	04-Apr-19
0001596128	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	04-Apr-19
0001596130	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	04-Apr-19
0001596131	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	04-Apr-19
0001596134	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	04-Apr-19
0001596135	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	04-Apr-19
0001596136	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	04-Apr-19
0001596139	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	04-Apr-19
0001596141	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	04-Apr-19
0001596138	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	04-Apr-19
0001596137	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	04-Apr-19
0001596129	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	04-Apr-19
0001596133	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	04-Apr-19
0001596142	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	04-Apr-19
0001596150	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	04-Apr-19
0001596149	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	04-Apr-19
0001596148	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	04-Apr-19
0001596147	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	04-Apr-19
0001596146	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	04-Apr-19
0001596145	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	04-Apr-19
0001596144	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	04-Apr-19
0001596143	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	04-Apr-19
0001488199	-	FS-One Max	10	Ounces(OZ)	04-Apr-19
0001488208	-	FS-One Max	10	Ounces(OZ)	04-Apr-19
0001488204	-	FS-One Max	10	Ounces(OZ)	04-Apr-19
0001488206	-	FS-One Max	10	Ounces(OZ)	04-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001488207	-	FS-One Max	10	Ounces(OZ)	04-Apr-19
0001488201	-	FS-One Max	10	Ounces(OZ)	04-Apr-19
0001488200	-	FS-One Max	10	Ounces(OZ)	04-Apr-19
0001488202	-	FS-One Max	10	Ounces(OZ)	04-Apr-19
0001488210	-	FS-One Max	10	Ounces(OZ)	04-Apr-19
0001488203	-	FS-One Max	10	Ounces(OZ)	04-Apr-19
0001488209	-	FS-One Max	10	Ounces(OZ)	04-Apr-19
0001488205	-	FS-One Max	10	Ounces(OZ)	04-Apr-19
0001502812	-	Smoke Sabre	2.6	Ounces(OZ)	04-Apr-19
0001502821	-	Smoke Sabre	2.6	Ounces(OZ)	04-Apr-19
0001502822	-	Smoke Sabre	2.6	Ounces(OZ)	04-Apr-19
0001502823	-	Smoke Sabre	2.6	Ounces(OZ)	04-Apr-19
0001502824	-	Smoke Sabre	2.6	Ounces(OZ)	04-Apr-19
0001502825	-	Smoke Sabre	2.6	Ounces(OZ)	04-Apr-19
0001502834	-	Smoke Sabre	2.6	Ounces(OZ)	04-Apr-19
0001502829	-	Smoke Sabre	2.6	Ounces(OZ)	04-Apr-19
0001502833	-	Smoke Sabre	2.6	Ounces(OZ)	04-Apr-19
0001502832	-	Smoke Sabre	2.6	Ounces(OZ)	04-Apr-19
0001502814	-	Smoke Sabre	2.6	Ounces(OZ)	04-Apr-19
0001502826	-	Smoke Sabre	2.6	Ounces(OZ)	04-Apr-19
0001502831	-	Smoke Sabre	2.6	Ounces(OZ)	04-Apr-19
0001502835	-	Smoke Sabre	2.6	Ounces(OZ)	04-Apr-19
0001502818	-	Smoke Sabre	2.6	Ounces(OZ)	04-Apr-19
0001502815	-	Smoke Sabre	2.6	Ounces(OZ)	04-Apr-19
0001502830	-	Smoke Sabre	2.6	Ounces(OZ)	04-Apr-19
0001502827	-	Smoke Sabre	2.6	Ounces(OZ)	04-Apr-19
0001502816	-	Smoke Sabre	2.6	Ounces(OZ)	04-Apr-19
0001502820	-	Smoke Sabre	2.6	Ounces(OZ)	04-Apr-19
0001502817	-	Smoke Sabre	2.6	Ounces(OZ)	04-Apr-19
0001502819	-	Smoke Sabre	2.6	Ounces(OZ)	04-Apr-19
0001502828	-	Smoke Sabre	2.6	Ounces(OZ)	04-Apr-19
0001502813	-	Smoke Sabre	2.6	Ounces(OZ)	04-Apr-19
0001514789	-	IRON PLASMA STANDARDS 1 000 PPM 10 000	500	Milliliter(ML)	04-Apr-19
0001514790	-	IRON PLASMA STANDARDS 1 000 PPM 10 000	500	Milliliter(ML)	04-Apr-19
0001595211	-	SIMPLE GREEN	32	Ounces(OZ)	04-Apr-19
0001595212	-	SIMPLE GREEN	32	Ounces(OZ)	04-Apr-19
0001595213	-	SIMPLE GREEN	32	Ounces(OZ)	04-Apr-19
0001595214	-	SIMPLE GREEN	32	Ounces(OZ)	04-Apr-19
0001596109	-	Bright Dyes FLT Yellow/Green Liquid	1	Gallon(GAL)	04-Apr-19
0001596110	-	Bright Dyes FLT Yellow/Green Liquid	1	Gallon(GAL)	04-Apr-19
0001596111	-	Bright Dyes FLT Yellow/Green Liquid	1	Gallon(GAL)	04-Apr-19
0001596112	1824-81-3	2-Amino-6-methylpyridine	100	Gram(GM)	05-Apr-19
0001596113	85-44-9	PHTHALIC ANHYDRIDE	500	Gram(GM)	05-Apr-19
0001596114	7757-82-6	SODIUM SULFATE	2.5	Kilograms(KG)	05-Apr-19
0001596115	7722-84-1	HYDROGEN PEROXIDE 30% SOLUTION	100	Milliliter(ML)	05-Apr-19
0001596116	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	05-Apr-19
0001596118	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	05-Apr-19
0001596117	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	05-Apr-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001596121	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	05-Apr-19
0001596120	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	05-Apr-19
0001596119	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	05-Apr-19
0001596122	71550-12-4	POLY(ALLYLAMINE HYDROCHLORIDE) AVG MN	10	Gram(GM)	05-Apr-19
0001596123	7787-69-1	CESIUM BROMIDE	250	Gram(GM)	05-Apr-19
0001596124	7787-69-1	CESIUM BROMIDE	250	Gram(GM)	05-Apr-19
0001596125	10377-48-7	LITHIUM SULFATE	1	Kilograms(KG)	05-Apr-19
0001596126	-	ALCOHOL 190	5	Gallon(GAL)	05-Apr-19
0001596199	Multi	Sylguard DC 186	8.8	Pounds(LB)	05-Apr-19
0001596200	Multi	Sylguard DC 186	8.8	Pounds(LB)	05-Apr-19
0001596201	1206711-16-1	DMH-1 Tocris Bioscience	10	Milligram(MG)	05-Apr-19
0001596202	7727-43-7	BARIUM SULFATE	100	Gram(GM)	05-Apr-19
0001596203	13775-53-6	SODIUM HEXAFLUOROALUMINATE	500	Gram(GM)	05-Apr-19
0001596204	14518-69-5	Tetrabutylphosphonium hydroxide	50	Milliliter(ML)	05-Apr-19
0001596205	-	Duralco 4461	2	Ounces(OZ)	05-Apr-19
0001596206	-	Duralco 4461	2	Ounces(OZ)	05-Apr-19
0001596207	107-21-1	ETHYLENE GLYCOL	1	Liters(L)	05-Apr-19
0001596271	7697-37-2	NITRIC ACID OPTIMA	1	Liters(L)	05-Apr-19
0001596289	7697-37-2	NITRIC ACID OPTIMA	1	Liters(L)	05-Apr-19
0001596273	7697-37-2	NITRIC ACID OPTIMA	1	Liters(L)	05-Apr-19
0001596274	7697-37-2	NITRIC ACID OPTIMA	1	Liters(L)	05-Apr-19
0001596275	7697-37-2	NITRIC ACID OPTIMA	1	Liters(L)	05-Apr-19
0001596276	7697-37-2	NITRIC ACID OPTIMA	1	Liters(L)	05-Apr-19
0001596277	7697-37-2	NITRIC ACID OPTIMA	1	Liters(L)	05-Apr-19
0001596278	7697-37-2	NITRIC ACID OPTIMA	1	Liters(L)	05-Apr-19
0001596279	7697-37-2	NITRIC ACID OPTIMA	1	Liters(L)	05-Apr-19
0001596280	7697-37-2	NITRIC ACID OPTIMA	1	Liters(L)	05-Apr-19
0001596272	7697-37-2	NITRIC ACID OPTIMA	1	Liters(L)	05-Apr-19
0001596282	7697-37-2	NITRIC ACID OPTIMA	1	Liters(L)	05-Apr-19
0001596283	7697-37-2	NITRIC ACID OPTIMA	1	Liters(L)	05-Apr-19
0001596286	7697-37-2	NITRIC ACID OPTIMA	1	Liters(L)	05-Apr-19
0001596287	7697-37-2	NITRIC ACID OPTIMA	1	Liters(L)	05-Apr-19
0001596288	7697-37-2	NITRIC ACID OPTIMA	1	Liters(L)	05-Apr-19
0001596284	7697-37-2	NITRIC ACID OPTIMA	1	Liters(L)	05-Apr-19
0001596281	7697-37-2	NITRIC ACID OPTIMA	1	Liters(L)	05-Apr-19
0001596285	7697-37-2	NITRIC ACID OPTIMA	1	Liters(L)	05-Apr-19
0001595751	7553-56-2	IODINE	25	Gram(GM)	08-Apr-19
0001595756	141-78-6	ETHYL ACETATE	4	Liters(L)	08-Apr-19
0001595757	141-78-6	ETHYL ACETATE	4	Liters(L)	08-Apr-19
0001595758	141-78-6	ETHYL ACETATE	4	Liters(L)	08-Apr-19
0001595759	141-78-6	ETHYL ACETATE	4	Liters(L)	08-Apr-19
0001595760	67-64-1	ACETONE	16	Liters(L)	08-Apr-19
0001595762	67-64-1	ACETONE	16	Liters(L)	08-Apr-19
0001595763	67-64-1	ACETONE	16	Liters(L)	08-Apr-19
0001595761	67-64-1	ACETONE	16	Liters(L)	08-Apr-19
0001595764	108-88-3	TOLUENE	2	Liters(L)	08-Apr-19
0001596151	25085-99-8	EpoxAcast 655	1	Gallon(GAL)	08-Apr-19
0001596174	25085-99-8	EpoxAcast 655	1	Gallon(GAL)	08-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001596152	25085-99-8	EpoxAcast 655	1	Gallon(GAL)	08-Apr-19
0001596154	25085-99-8	EpoxAcast 655	1	Gallon(GAL)	08-Apr-19
0001596165	25085-99-8	EpoxAcast 655	1	Gallon(GAL)	08-Apr-19
0001596166	25085-99-8	EpoxAcast 655	1	Gallon(GAL)	08-Apr-19
0001596167	25085-99-8	EpoxAcast 655	1	Gallon(GAL)	08-Apr-19
0001596168	25085-99-8	EpoxAcast 655	1	Gallon(GAL)	08-Apr-19
0001596169	25085-99-8	EpoxAcast 655	1	Gallon(GAL)	08-Apr-19
0001596170	25085-99-8	EpoxAcast 655	1	Gallon(GAL)	08-Apr-19
0001596171	25085-99-8	EpoxAcast 655	1	Gallon(GAL)	08-Apr-19
0001596153	25085-99-8	EpoxAcast 655	1	Gallon(GAL)	08-Apr-19
0001596173	25085-99-8	EpoxAcast 655	1	Gallon(GAL)	08-Apr-19
0001596163	25085-99-8	EpoxAcast 655	1	Gallon(GAL)	08-Apr-19
0001596164	25085-99-8	EpoxAcast 655	1	Gallon(GAL)	08-Apr-19
0001596155	25085-99-8	EpoxAcast 655	1	Gallon(GAL)	08-Apr-19
0001596156	25085-99-8	EpoxAcast 655	1	Gallon(GAL)	08-Apr-19
0001596157	25085-99-8	EpoxAcast 655	1	Gallon(GAL)	08-Apr-19
0001596158	25085-99-8	EpoxAcast 655	1	Gallon(GAL)	08-Apr-19
0001596159	25085-99-8	EpoxAcast 655	1	Gallon(GAL)	08-Apr-19
0001596160	25085-99-8	EpoxAcast 655	1	Gallon(GAL)	08-Apr-19
0001596161	25085-99-8	EpoxAcast 655	1	Gallon(GAL)	08-Apr-19
0001596162	25085-99-8	EpoxAcast 655	1	Gallon(GAL)	08-Apr-19
0001596172	25085-99-8	EpoxAcast 655	1	Gallon(GAL)	08-Apr-19
0001596175	269850-63-0	103 SLOW Hardnener	1	Quarts(QT)	08-Apr-19
0001596179	269850-63-0	103 SLOW Hardnener	1	Quarts(QT)	08-Apr-19
0001596191	269850-63-0	103 SLOW Hardnener	1	Quarts(QT)	08-Apr-19
0001596181	269850-63-0	103 SLOW Hardnener	1	Quarts(QT)	08-Apr-19
0001596192	269850-63-0	103 SLOW Hardnener	1	Quarts(QT)	08-Apr-19
0001596190	269850-63-0	103 SLOW Hardnener	1	Quarts(QT)	08-Apr-19
0001596189	269850-63-0	103 SLOW Hardnener	1	Quarts(QT)	08-Apr-19
0001596188	269850-63-0	103 SLOW Hardnener	1	Quarts(QT)	08-Apr-19
0001596187	269850-63-0	103 SLOW Hardnener	1	Quarts(QT)	08-Apr-19
0001596186	269850-63-0	103 SLOW Hardnener	1	Quarts(QT)	08-Apr-19
0001596184	269850-63-0	103 SLOW Hardnener	1	Quarts(QT)	08-Apr-19
0001596183	269850-63-0	103 SLOW Hardnener	1	Quarts(QT)	08-Apr-19
0001596182	269850-63-0	103 SLOW Hardnener	1	Quarts(QT)	08-Apr-19
0001596180	269850-63-0	103 SLOW Hardnener	1	Quarts(QT)	08-Apr-19
0001596178	269850-63-0	103 SLOW Hardnener	1	Quarts(QT)	08-Apr-19
0001596176	269850-63-0	103 SLOW Hardnener	1	Quarts(QT)	08-Apr-19
0001596177	269850-63-0	103 SLOW Hardnener	1	Quarts(QT)	08-Apr-19
0001596185	269850-63-0	103 SLOW Hardnener	1	Quarts(QT)	08-Apr-19
0001144715	-	Shredder Oil	12	Ounces(OZ)	08-Apr-19
0001144716	-	Shredder Oil	12	Ounces(OZ)	08-Apr-19
0001144714	-	Shredder Oil	12	Ounces(OZ)	08-Apr-19
0001596195	67-56-1	METHANOL HPLC	5	Gallon(GAL)	08-Apr-19
0001540638	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	2	Liters(L)	08-Apr-19
0001596197	67-56-1	METHANOL HPLC	5	Gallon(GAL)	08-Apr-19
0001596198	67-56-1	METHANOL HPLC	5	Gallon(GAL)	08-Apr-19
0001596196	67-56-1	METHANOL HPLC	5	Gallon(GAL)	08-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001596208	7681-65-4	COPPER(I) IODIDE	25	Gram(GM)	08-Apr-19
0001596209	7681-65-4	COPPER(I) IODIDE	25	Gram(GM)	08-Apr-19
0001596210	1310-58-3	POTASSIUM HYDROXIDE	500	Gram(GM)	08-Apr-19
0001596211	8042-47-5	Light Mineral Oil	1	Liters(L)	08-Apr-19
0001596212	98-13-5	PHENYLTRICHLOROSILANE	100	Gram(GM)	08-Apr-19
0001540590	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	2	Liters(L)	08-Apr-19
0001540592	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	2	Liters(L)	08-Apr-19
0001540591	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	2	Liters(L)	08-Apr-19
0001540593	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	2	Liters(L)	08-Apr-19
0001540599	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	2	Liters(L)	08-Apr-19
0001540602	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	2	Liters(L)	08-Apr-19
0001540601	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	2	Liters(L)	08-Apr-19
0001540600	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	2	Liters(L)	08-Apr-19
0001540610	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	2	Liters(L)	08-Apr-19
0001540608	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	2	Liters(L)	08-Apr-19
0001540609	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	2	Liters(L)	08-Apr-19
0001540611	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	2	Liters(L)	08-Apr-19
0001540617	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	2	Liters(L)	08-Apr-19
0001540620	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	2	Liters(L)	08-Apr-19
0001540619	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	2	Liters(L)	08-Apr-19
0001540618	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	2	Liters(L)	08-Apr-19
0001540629	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	2	Liters(L)	08-Apr-19
0001540628	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	2	Liters(L)	08-Apr-19
0001540627	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	2	Liters(L)	08-Apr-19
0001540626	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	2	Liters(L)	08-Apr-19
0001540636	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	2	Liters(L)	08-Apr-19
0001540635	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	2	Liters(L)	08-Apr-19
0001540637	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	2	Liters(L)	08-Apr-19
0001596213	-	DPD COMPOUND FOR FREE AND TOTAL	25	Gram(GM)	08-Apr-19
0001596217	-	DPD COMPOUND FOR FREE AND TOTAL	25	Gram(GM)	08-Apr-19
0001596214	-	DPD COMPOUND FOR FREE AND TOTAL	25	Gram(GM)	08-Apr-19
0001596215	-	DPD COMPOUND FOR FREE AND TOTAL	25	Gram(GM)	08-Apr-19
0001596218	-	DPD COMPOUND FOR FREE AND TOTAL	25	Gram(GM)	08-Apr-19
0001596216	-	DPD COMPOUND FOR FREE AND TOTAL	25	Gram(GM)	08-Apr-19
0001596219	-	TOTAL CHLORINE INDICATOR SOLUTION# 22634-	473	Milliliter(ML)	08-Apr-19
0001596220	-	TOTAL CHLORINE INDICATOR SOLUTION# 22634-	473	Milliliter(ML)	08-Apr-19
0001596221	-	TOTAL CHLORINE INDICATOR SOLUTION# 22634-	473	Milliliter(ML)	08-Apr-19
0001596222	-	TOTAL CHLORINE INDICATOR SOLUTION# 22634-	473	Milliliter(ML)	08-Apr-19
0001596223	-	TOTAL CHLORINE BUFFER SOLUTION # 22635-11	473	Milliliter(ML)	08-Apr-19
0001596224	-	TOTAL CHLORINE BUFFER SOLUTION # 22635-11	473	Milliliter(ML)	08-Apr-19
0001596225	-	SODIUM STANDARD	125	Milliliter(ML)	08-Apr-19
0001596226	60-25-3	Hexamethonium Chloride Dihydrate	25	Gram(GM)	08-Apr-19
0000744059	-	SEMI-GLOSS ENAMEL MEDIUM BASE	15	Ounces(OZ)	08-Apr-19
0000744060	-	SEMI-GLOSS ENAMEL MEDIUM BASE	15	Ounces(OZ)	08-Apr-19
0000744061	-	SEMI-GLOSS ENAMEL MEDIUM BASE	15	Ounces(OZ)	08-Apr-19
0000744062	-	SEMI-GLOSS ENAMEL MEDIUM BASE	15	Ounces(OZ)	08-Apr-19
0000744063	-	SEMI-GLOSS ENAMEL MEDIUM BASE	15	Ounces(OZ)	08-Apr-19
0000744064	-	SEMI-GLOSS ENAMEL MEDIUM BASE	15	Ounces(OZ)	08-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0000744065	-	SEMI-GLOSS ENAMEL MEDIUM BASE	15	Ounces(OZ)	08-Apr-19
0000744066	-	SEMI-GLOSS ENAMEL MEDIUM BASE	15	Ounces(OZ)	08-Apr-19
0000744067	-	SEMI-GLOSS ENAMEL MEDIUM BASE	15	Ounces(OZ)	08-Apr-19
0000744068	-	SEMI-GLOSS ENAMEL MEDIUM BASE	15	Ounces(OZ)	08-Apr-19
0000744069	-	SEMI-GLOSS ENAMEL MEDIUM BASE	15	Ounces(OZ)	08-Apr-19
0001596228	865-49-6	CHLOROFORM-D 99.8+ ATOM% D	250	Gram(GM)	08-Apr-19
0001596229	112926-00-8	SILICA GEL (GRADE 12)	500	Gram(GM)	08-Apr-19
0000744072	-	SEMI-GLOSS ENAMEL MEDIUM BASE	15	Ounces(OZ)	08-Apr-19
0000744071	-	SEMI-GLOSS ENAMEL MEDIUM BASE	15	Ounces(OZ)	08-Apr-19
0000744073	-	SEMI-GLOSS ENAMEL MEDIUM BASE	15	Ounces(OZ)	08-Apr-19
0000744074	-	SEMI-GLOSS ENAMEL MEDIUM BASE	15	Ounces(OZ)	08-Apr-19
0000744070	-	SEMI-GLOSS ENAMEL MEDIUM BASE	15	Ounces(OZ)	08-Apr-19
0001596230	930-30-3	2-CYCLOPENTENONE	100	Gram(GM)	08-Apr-19
0001596231	-	CONATHANE EN-4 PART A URETHANE	1	Gallon(GAL)	08-Apr-19
0001596232	71-36-3	1-BUTANOL	1	Liters(L)	08-Apr-19
0001596233	10025-77-1	FERRIC CHLORIDE HEXAHYDRATE	100	Gram(GM)	08-Apr-19
0000744075	-	LIGHT GRAY ALL PURPOSE PRIMER	15	Ounces(OZ)	08-Apr-19
0000744076	-	LIGHT GRAY ALL PURPOSE PRIMER	15	Ounces(OZ)	08-Apr-19
0000744077	-	LIGHT GRAY ALL PURPOSE PRIMER	15	Ounces(OZ)	08-Apr-19
0000744078	-	LIGHT GRAY ALL PURPOSE PRIMER	15	Ounces(OZ)	08-Apr-19
0000744079	-	LIGHT GRAY ALL PURPOSE PRIMER	15	Ounces(OZ)	08-Apr-19
0001596234	107-93-7	trans-Crotonic acid	25	Gram(GM)	08-Apr-19
0000744080	-	SVS8 GRAY PRIMER SPRAY ENAMEL	12	Ounces(OZ)	08-Apr-19
0000744081	-	SVS8 GRAY PRIMER SPRAY ENAMEL	12	Ounces(OZ)	08-Apr-19
0000744082	-	SVS8 GRAY PRIMER SPRAY ENAMEL	12	Ounces(OZ)	08-Apr-19
0001596235	70131-67-8	PLY-7609 SILICONE FLUID	1	Gallon(GAL)	08-Apr-19
0001596236	68-12-2	N N-DIMETHYLFORMAMIDE	4	Liters(L)	08-Apr-19
0001596239	68-12-2	N N-DIMETHYLFORMAMIDE	4	Liters(L)	08-Apr-19
0001596238	68-12-2	N N-DIMETHYLFORMAMIDE	4	Liters(L)	08-Apr-19
0001596237	68-12-2	N N-DIMETHYLFORMAMIDE	4	Liters(L)	08-Apr-19
0001596240	7664-93-9	SULFURIC ACID	250	Milliliter(ML)	08-Apr-19
0001596259	4724-47-4	N-OCTADECYLPHOSPHONIC ACID	25	Gram(GM)	08-Apr-19
0001596260	83-67-0	Theobromine	500	Gram(GM)	08-Apr-19
0001596261	605-71-0	1 5-DINITRONAPHTHALENE	500	Gram(GM)	08-Apr-19
0001596262	80-09-1	Bis(4-hydroxyphenyl) Sulfone	1000	Gram(GM)	08-Apr-19
0001421232	-	Shell Gadus S3 V100 2	14.1	Ounces(OZ)	08-Apr-19
0001421249	-	Shell Gadus S3 V100 2	14.1	Ounces(OZ)	08-Apr-19
0001421258	-	Shell Gadus S3 V100 2	14.1	Ounces(OZ)	08-Apr-19
0001596263	935-16-0	1 4-PHENYLENE DIISOCYANIDE	1	Gram(GM)	08-Apr-19
0001596264	928-49-4	3-HEXYNE	25	Gram(GM)	08-Apr-19
0001596265	1314-13-2	ZINC OXIDE	500	Gram(GM)	08-Apr-19
0001596266	83-56-7	1 5-DIHYDROXY-NAPHTHALENE	1	Kilograms(KG)	08-Apr-19
0001596267	102-07-8	N N'-DIPHENYLUREA	500	Gram(GM)	08-Apr-19
0001596290	7697-37-2	NITRIC ACID	2.5	Liters(L)	08-Apr-19
0001596309	7697-37-2	NITRIC ACID	2.5	Liters(L)	08-Apr-19
0001596311	7697-37-2	NITRIC ACID	2.5	Liters(L)	08-Apr-19
0001596307	7697-37-2	NITRIC ACID	2.5	Liters(L)	08-Apr-19
0001596291	7697-37-2	NITRIC ACID	2.5	Liters(L)	08-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001596321	7697-37-2	NITRIC ACID	2.5	Liters(L)	08-Apr-19
0001596320	7697-37-2	NITRIC ACID	2.5	Liters(L)	08-Apr-19
0001596319	7697-37-2	NITRIC ACID	2.5	Liters(L)	08-Apr-19
0001596318	7697-37-2	NITRIC ACID	2.5	Liters(L)	08-Apr-19
0001596317	7697-37-2	NITRIC ACID	2.5	Liters(L)	08-Apr-19
0001596316	7697-37-2	NITRIC ACID	2.5	Liters(L)	08-Apr-19
0001596315	7697-37-2	NITRIC ACID	2.5	Liters(L)	08-Apr-19
0001596314	7697-37-2	NITRIC ACID	2.5	Liters(L)	08-Apr-19
0001596312	7697-37-2	NITRIC ACID	2.5	Liters(L)	08-Apr-19
0001596310	7697-37-2	NITRIC ACID	2.5	Liters(L)	08-Apr-19
0001596308	7697-37-2	NITRIC ACID	2.5	Liters(L)	08-Apr-19
0001596306	7697-37-2	NITRIC ACID	2.5	Liters(L)	08-Apr-19
0001596297	7697-37-2	NITRIC ACID	2.5	Liters(L)	08-Apr-19
0001596292	7697-37-2	NITRIC ACID	2.5	Liters(L)	08-Apr-19
0001596293	7697-37-2	NITRIC ACID	2.5	Liters(L)	08-Apr-19
0001596294	7697-37-2	NITRIC ACID	2.5	Liters(L)	08-Apr-19
0001596313	7697-37-2	NITRIC ACID	2.5	Liters(L)	08-Apr-19
0001596296	7697-37-2	NITRIC ACID	2.5	Liters(L)	08-Apr-19
0001596305	7697-37-2	NITRIC ACID	2.5	Liters(L)	08-Apr-19
0001596298	7697-37-2	NITRIC ACID	2.5	Liters(L)	08-Apr-19
0001596299	7697-37-2	NITRIC ACID	2.5	Liters(L)	08-Apr-19
0001596301	7697-37-2	NITRIC ACID	2.5	Liters(L)	08-Apr-19
0001596302	7697-37-2	NITRIC ACID	2.5	Liters(L)	08-Apr-19
0001596303	7697-37-2	NITRIC ACID	2.5	Liters(L)	08-Apr-19
0001596300	7697-37-2	NITRIC ACID	2.5	Liters(L)	08-Apr-19
0001596295	7697-37-2	NITRIC ACID	2.5	Liters(L)	08-Apr-19
0001596304	7697-37-2	NITRIC ACID	2.5	Liters(L)	08-Apr-19
0001596343	6153-56-6	OXALIC ACID DIHYDRATE	500	Gram(GM)	08-Apr-19
0001596359	6153-56-6	OXALIC ACID DIHYDRATE	500	Gram(GM)	08-Apr-19
0001596354	6153-56-6	OXALIC ACID DIHYDRATE	500	Gram(GM)	08-Apr-19
0001596355	6153-56-6	OXALIC ACID DIHYDRATE	500	Gram(GM)	08-Apr-19
0001596356	6153-56-6	OXALIC ACID DIHYDRATE	500	Gram(GM)	08-Apr-19
0001596357	6153-56-6	OXALIC ACID DIHYDRATE	500	Gram(GM)	08-Apr-19
0001596358	6153-56-6	OXALIC ACID DIHYDRATE	500	Gram(GM)	08-Apr-19
0001596346	6153-56-6	OXALIC ACID DIHYDRATE	500	Gram(GM)	08-Apr-19
0001596353	6153-56-6	OXALIC ACID DIHYDRATE	500	Gram(GM)	08-Apr-19
0001596360	6153-56-6	OXALIC ACID DIHYDRATE	500	Gram(GM)	08-Apr-19
0001596351	6153-56-6	OXALIC ACID DIHYDRATE	500	Gram(GM)	08-Apr-19
0001596350	6153-56-6	OXALIC ACID DIHYDRATE	500	Gram(GM)	08-Apr-19
0001596349	6153-56-6	OXALIC ACID DIHYDRATE	500	Gram(GM)	08-Apr-19
0001596347	6153-56-6	OXALIC ACID DIHYDRATE	500	Gram(GM)	08-Apr-19
0001596345	6153-56-6	OXALIC ACID DIHYDRATE	500	Gram(GM)	08-Apr-19
0001596344	6153-56-6	OXALIC ACID DIHYDRATE	500	Gram(GM)	08-Apr-19
0001596348	6153-56-6	OXALIC ACID DIHYDRATE	500	Gram(GM)	08-Apr-19
0001596352	6153-56-6	OXALIC ACID DIHYDRATE	500	Gram(GM)	08-Apr-19
0001421267	-	Shell Gadus S3 V100 2	14.1	Ounces(OZ)	08-Apr-19
0001596361	-	AMMONIA PH ADJUST. ISA	1	Pint(PT)	08-Apr-19
0001596362	-	AMMONIA PH ADJUST. ISA	1	Pint(PT)	08-Apr-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001596363	-	AMMONIA PH ADJUST. ISA	1	Pint(PT)	08-Apr-19
0001596364	-	AMMONIA PH ADJUST. ISA	1	Pint(PT)	08-Apr-19
0001421276	-	Shell Gadus S3 V100 2	14.1	Ounces(OZ)	08-Apr-19
0001596415	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	08-Apr-19
0001596424	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	08-Apr-19
0001596416	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	08-Apr-19
0001596431	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	08-Apr-19
0001596432	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	08-Apr-19
0001596429	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	08-Apr-19
0001596427	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	08-Apr-19
0001596426	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	08-Apr-19
0001596425	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	08-Apr-19
0001596423	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	08-Apr-19
0001596422	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	08-Apr-19
0001596421	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	08-Apr-19
0001596420	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	08-Apr-19
0001596419	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	08-Apr-19
0001596417	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	08-Apr-19
0001596428	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	08-Apr-19
0001596418	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	08-Apr-19
0001596430	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	08-Apr-19
0001421277	-	Shell Gadus S3 V100 2	14.1	Ounces(OZ)	08-Apr-19
0001421285	-	Shell Gadus S3 V100 2	14.1	Ounces(OZ)	08-Apr-19
0001421286	-	Shell Gadus S3 V100 2	14.1	Ounces(OZ)	08-Apr-19
0001421294	-	Shell Gadus S3 V100 2	14.1	Ounces(OZ)	08-Apr-19
0001421295	-	Shell Gadus S3 V100 2	14.1	Ounces(OZ)	08-Apr-19
0001596227	-	ARC i-CON-7	1	Liters(L)	08-Apr-19
0001596487	497-19-8	SODIUM CARBONATE	1	Liters(L)	08-Apr-19
0001596494	497-19-8	SODIUM CARBONATE	1	Liters(L)	08-Apr-19
0001596493	497-19-8	SODIUM CARBONATE	1	Liters(L)	08-Apr-19
0001596492	497-19-8	SODIUM CARBONATE	1	Liters(L)	08-Apr-19
0001596491	497-19-8	SODIUM CARBONATE	1	Liters(L)	08-Apr-19
0001596490	497-19-8	SODIUM CARBONATE	1	Liters(L)	08-Apr-19
0001596489	497-19-8	SODIUM CARBONATE	1	Liters(L)	08-Apr-19
0001596488	497-19-8	SODIUM CARBONATE	1	Liters(L)	08-Apr-19
0001596193	-	Thermo200 Treated Water Solution with Nalco	5	Gallon(GAL)	09-Apr-19
0001596194	-	Thermo200 Treated Water Solution with Nalco	5	Gallon(GAL)	09-Apr-19
0001516800	64-17-5	ETHANOL 200 PROOF	4	Gallon(GAL)	09-Apr-19
0001516801	64-17-5	ETHANOL 200 PROOF	4	Gallon(GAL)	09-Apr-19
0001516802	64-17-5	ETHANOL 200 PROOF	4	Gallon(GAL)	09-Apr-19
0001516803	64-17-5	ETHANOL 200 PROOF	4	Gallon(GAL)	09-Apr-19
0001596269	10035-06-0	BISMUTH(III) NITRATE PENTAHYDRATE	100	Gram(GM)	09-Apr-19
0001596270	19357-86-9	Ytterbium(II) iodide	1	Gram(GM)	09-Apr-19
0001596365	26023-84-7	HYDROGEN HEXACHLOROPLATINATE (IV)	5	Gram(GM)	09-Apr-19
0001596366	13478-10-9	IRON(II) CHLORIDE TETRAHYDRATE (FERROUS	25	Gram(GM)	09-Apr-19
0001596367	16454-60-7	NEODYMIUM (III) NITRATE HEXHYDRATE	25	Gram(GM)	09-Apr-19
0001596368	13759-83-6	SAMARIUM (III) NITRATE HEXAHYDRATE	25	Gram(GM)	09-Apr-19
0001596369	10099-67-9	Lutetium (III) nitrate hydrate	5	Gram(GM)	09-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001596370	36548-87-5	Thulium(III) nitrate hexahydrate	5	Gram(GM)	09-Apr-19
0001596371	35725-34-9	YTTERBIUM(III) NITRATE PENTAHYDRATE	25	Gram(GM)	09-Apr-19
0001596372	76-03-9	TRICHLOROACETIC ACID	25	Gram(GM)	09-Apr-19
0001596373	64-18-6	FORMIC ACID	10	Milliliter(ML)	09-Apr-19
0001596374	64-18-6	FORMIC ACID	250	Milliliter(ML)	09-Apr-19
0001596375	75-05-8	ACETONITRILE ANHYDROUS	100	Milliliter(ML)	09-Apr-19
0001596376	75-05-8	ACETONITRILE ANHYDROUS	100	Milliliter(ML)	09-Apr-19
0001596377	108-88-3	TOLUENE ANHYDROUS	100	Milliliter(ML)	09-Apr-19
0001596378	108-88-3	TOLUENE ANHYDROUS	100	Milliliter(ML)	09-Apr-19
0001596379	50-00-0	FORMALDEHYDE SOLUTION	100	Milliliter(ML)	09-Apr-19
0001596380	99-56-9	4-NITRO-1 2-DIAMINOBENZENE	5	Gram(GM)	09-Apr-19
0001596381	-	QIAamp DNA Micro Kit	200	Milliliter(ML)	09-Apr-19
V000002969	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	09-Apr-19
V00000296A	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	09-Apr-19
0001596382	301-10-0	TIN (II) 2-ETHYLHEXANOATE	100	Gram(GM)	09-Apr-19
0001596383	301-10-0	TIN (II) 2-ETHYLHEXANOATE	100	Gram(GM)	09-Apr-19
0001596384	301-10-0	TIN (II) 2-ETHYLHEXANOATE	100	Gram(GM)	09-Apr-19
V00000296B	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	09-Apr-19
V00000296C	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	09-Apr-19
0001596385	2358-29-4	2 3 6-Trifluorobenzoic acid	1	Gram(GM)	09-Apr-19
0001596389	2358-29-4	2 3 6-Trifluorobenzoic acid	1	Gram(GM)	09-Apr-19
0001596386	2358-29-4	2 3 6-Trifluorobenzoic acid	1	Gram(GM)	09-Apr-19
0001596388	2358-29-4	2 3 6-Trifluorobenzoic acid	1	Gram(GM)	09-Apr-19
0001596387	2358-29-4	2 3 6-Trifluorobenzoic acid	1	Gram(GM)	09-Apr-19
0001596390	10294-41-4	CERIUM(III) NITRATE HEXAHYDRATE	500	Gram(GM)	09-Apr-19
V00000296D	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	09-Apr-19
0001596396	10294-41-4	CERIUM(III) NITRATE HEXAHYDRATE	500	Gram(GM)	09-Apr-19
0001596393	10294-41-4	CERIUM(III) NITRATE HEXAHYDRATE	500	Gram(GM)	09-Apr-19
0001596392	10294-41-4	CERIUM(III) NITRATE HEXAHYDRATE	500	Gram(GM)	09-Apr-19
0001596391	10294-41-4	CERIUM(III) NITRATE HEXAHYDRATE	500	Gram(GM)	09-Apr-19
0001596395	10294-41-4	CERIUM(III) NITRATE HEXAHYDRATE	500	Gram(GM)	09-Apr-19
0001596394	10294-41-4	CERIUM(III) NITRATE HEXAHYDRATE	500	Gram(GM)	09-Apr-19
0001573405	-	Parts Plus Type F ATF	1	Quarts(QT)	09-Apr-19
0001573406	-	Parts Plus Type F ATF	1	Quarts(QT)	09-Apr-19
0001573407	-	Parts Plus Type F ATF	1	Quarts(QT)	09-Apr-19
0001573408	-	Parts Plus Type F ATF	1	Quarts(QT)	09-Apr-19
0001596397	-	n-alkane B5 mixture sealed under argon	0.5	Milliliter(ML)	09-Apr-19
0001596398	68-12-2	N N-DIMETHYLFORMAMIDE	1	Liters(L)	09-Apr-19
0001596403	68-12-2	N N-DIMETHYLFORMAMIDE	1	Liters(L)	09-Apr-19
0001596400	68-12-2	N N-DIMETHYLFORMAMIDE	1	Liters(L)	09-Apr-19
0001596402	68-12-2	N N-DIMETHYLFORMAMIDE	1	Liters(L)	09-Apr-19
0001596399	68-12-2	N N-DIMETHYLFORMAMIDE	1	Liters(L)	09-Apr-19
0001596401	68-12-2	N N-DIMETHYLFORMAMIDE	1	Liters(L)	09-Apr-19
0001596404	108-80-5	CYANURIC ACID	100	Gram(GM)	09-Apr-19
0001573409	-	POWER STEERING FLUID	12	Ounces(OZ)	09-Apr-19
0001573410	-	KRYLON ColorMaster with Covermax Technology	12	Ounces(OZ)	09-Apr-19
0001573411	-	KRYLON ColorMaster with Covermax Technology	12	Ounces(OZ)	09-Apr-19
0001573412	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	09-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001573413	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	09-Apr-19
V00000296E	-	DUPLI-COLOR 2-in-1 Filler & Sandable Primer	12	Ounces(OZ)	09-Apr-19
0001573414	-	Promatch Forklift Truck Lube	11	Ounces(OZ)	09-Apr-19
0001596405	1137-41-3	4-Aminobenzophenone	25	Gram(GM)	09-Apr-19
0001596408	5970-45-6	ZINC ACETATE DIHYDRATE	250	Gram(GM)	09-Apr-19
0001573416	-	Promatch Forklift Truck Lube	11	Ounces(OZ)	09-Apr-19
0001573424	-	Promatch Forklift Truck Lube	11	Ounces(OZ)	09-Apr-19
0001573425	-	Promatch Forklift Truck Lube	11	Ounces(OZ)	09-Apr-19
0001573417	-	Promatch Forklift Truck Lube	11	Ounces(OZ)	09-Apr-19
0001573418	-	Promatch Forklift Truck Lube	11	Ounces(OZ)	09-Apr-19
0001573419	-	Promatch Forklift Truck Lube	11	Ounces(OZ)	09-Apr-19
0001573420	-	Promatch Forklift Truck Lube	11	Ounces(OZ)	09-Apr-19
0001573421	-	Promatch Forklift Truck Lube	11	Ounces(OZ)	09-Apr-19
0001573422	-	Promatch Forklift Truck Lube	11	Ounces(OZ)	09-Apr-19
0001573423	-	Promatch Forklift Truck Lube	11	Ounces(OZ)	09-Apr-19
0001573415	-	Promatch Forklift Truck Lube	11	Ounces(OZ)	09-Apr-19
0001596409	-	SCANDIUM (III) NITRATE HYDRATE	1	Gram(GM)	09-Apr-19
0001596410	492-97-7	2 2'-BITHIOPHENE	10	Gram(GM)	09-Apr-19
V00000298C	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V00000298D	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V00000298E	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V00000298F	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V000002990	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V000002991	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V000002992	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V000002993	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V000002994	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V000002995	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V000002996	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V000002998	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V00000299A	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V00000299B	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V00000299C	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V00000299D	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V00000299E	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V00000299F	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V0000029A0	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V0000029A1	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V0000029A2	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V0000029A3	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V00000298B	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V0000029A4	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V00000297D	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V000002999	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V00000297A	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V000002979	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V000002978	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V000002977	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002976	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V000002975	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V000002974	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V000002973	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V000002972	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V000002971	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V000002970	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V00000297C	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V00000297B	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V00000298A	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V00000297E	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V00000297F	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V000002980	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V000002981	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V000002982	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V000002983	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V000002984	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V000002985	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V000002986	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V000002987	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V000002988	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V000002989	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V00000296F	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
V000002997	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	09-Apr-19
0001596411	2206-27-1	DIMETHYLSULFOXIDE-D6	50	Gram(GM)	09-Apr-19
0001596412	1163733-25-2	Aquivion D83-24B	25	Milliliter(ML)	09-Apr-19
V0000029C0	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Apr-19
V0000029B5	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Apr-19
V0000029B7	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Apr-19
V0000029B9	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Apr-19
V0000029BA	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Apr-19
V0000029BB	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Apr-19
V0000029BC	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Apr-19
V0000029BD	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Apr-19
V0000029B4	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Apr-19
V0000029BF	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Apr-19
V0000029B6	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Apr-19
V0000029C1	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Apr-19
V0000029C2	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Apr-19
V0000029C3	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Apr-19
V0000029C4	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Apr-19
V0000029BE	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Apr-19
V0000029A9	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Apr-19
V0000029A5	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Apr-19
V0000029A6	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Apr-19
V0000029B8	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Apr-19
V0000029A8	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Apr-19
V0000029B3	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V0000029AA	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Apr-19
V0000029AB	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Apr-19
V0000029AC	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Apr-19
V0000029B2	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Apr-19
V0000029AE	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Apr-19
V0000029AF	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Apr-19
V0000029B0	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Apr-19
V0000029B1	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Apr-19
V0000029AD	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Apr-19
V0000029A7	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	09-Apr-19
0001596413	6132-04-3	Sodium citrate tribasic dihydrate	500	Gram(GM)	09-Apr-19
V0000029CB	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029CA	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029C9	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029C8	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029C7	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029C5	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029CE	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029CD	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029C6	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029DA	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029CC	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029DB	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029D9	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029D8	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029D7	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029D6	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029D4	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029D3	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029D2	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029D1	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029D0	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029CF	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029D5	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029DC	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029F3	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029EB	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029EC	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029ED	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029EE	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029EF	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029F0	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029F2	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029F4	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029EA	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029E3	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029F1	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029E0	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	09-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V0000029DD	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029E5	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029DF	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029E9	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029E1	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029E2	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029E4	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029E6	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029E7	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029E8	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	09-Apr-19
V0000029DE	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	09-Apr-19
0001573450	-	MOBIL 1 5W-50	1	Quarts(QT)	09-Apr-19
0001573451	-	MOBIL 1 5W-50	1	Quarts(QT)	09-Apr-19
0001573452	-	MOBIL 1 5W-50	1	Quarts(QT)	09-Apr-19
0001573453	-	MOBIL 1 5W-50	1	Quarts(QT)	09-Apr-19
0001573455	-	MOBIL 1 5W-50	1	Quarts(QT)	09-Apr-19
0001573454	-	MOBIL 1 5W-50	1	Quarts(QT)	09-Apr-19
0001573457	-	MOBIL 1 5W-50	1	Quarts(QT)	09-Apr-19
0001573426	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	09-Apr-19
0001573438	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	09-Apr-19
0001573428	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	09-Apr-19
0001573429	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	09-Apr-19
0001573449	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	09-Apr-19
0001573448	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	09-Apr-19
0001573430	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	09-Apr-19
0001573431	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	09-Apr-19
0001573432	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	09-Apr-19
0001573433	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	09-Apr-19
0001573434	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	09-Apr-19
0001573435	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	09-Apr-19
0001573447	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	09-Apr-19
0001573427	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	09-Apr-19
0001573436	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	09-Apr-19
0001573439	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	09-Apr-19
0001573440	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	09-Apr-19
0001573441	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	09-Apr-19
0001573442	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	09-Apr-19
0001573443	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	09-Apr-19
0001573444	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	09-Apr-19
0001573445	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	09-Apr-19
0001573446	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	09-Apr-19
0001573437	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	09-Apr-19
0001573456	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	09-Apr-19
V0000029F8	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	09-Apr-19
V0000029F5	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	09-Apr-19
V0000029F6	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	09-Apr-19
V0000029F7	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	09-Apr-19
V0000029F9	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	09-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V0000029FA	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	09-Apr-19
V0000029FF	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	09-Apr-19
V0000029FD	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	09-Apr-19
V0000029FE	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	09-Apr-19
V0000029FB	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	09-Apr-19
V0000029FC	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	09-Apr-19
V000002A00	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Apr-19
V000002A03	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Apr-19
V000002A04	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Apr-19
V000002A05	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Apr-19
V000002A06	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Apr-19
V000002A02	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Apr-19
V000002A01	-	RV ANTIFREEZE	1	Gallon(GAL)	09-Apr-19
V000002A09	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	09-Apr-19
V000002A08	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	09-Apr-19
V000002A0A	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	09-Apr-19
V000002A07	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	09-Apr-19
V000002A0B	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	09-Apr-19
V000002A0E	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	09-Apr-19
V000002A0C	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	09-Apr-19
V000002A0F	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	09-Apr-19
V000002A12	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	09-Apr-19
V000002A11	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	09-Apr-19
V000002A10	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	09-Apr-19
V000002A0D	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	09-Apr-19
0001573458	-	Brakleen Brake Parts Cleaner	14	Ounces(OZ)	09-Apr-19
0001573459	-	Brakleen Brake Parts Cleaner	14	Ounces(OZ)	09-Apr-19
0001573460	-	Pentofrost A3	1	Gallon(GAL)	09-Apr-19
0001573461	-	Pentofrost A3	1	Gallon(GAL)	09-Apr-19
0001502839	-	CLEAR SILICONE WINDOW & DOOR SEALANT	9.8	Ounces(OZ)	09-Apr-19
0001502847	-	CLEAR SILICONE WINDOW & DOOR SEALANT	9.8	Ounces(OZ)	09-Apr-19
0001502850	-	CLEAR SILICONE WINDOW & DOOR SEALANT	9.8	Ounces(OZ)	09-Apr-19
0001502849	-	CLEAR SILICONE WINDOW & DOOR SEALANT	9.8	Ounces(OZ)	09-Apr-19
0001502848	-	CLEAR SILICONE WINDOW & DOOR SEALANT	9.8	Ounces(OZ)	09-Apr-19
0001502846	-	CLEAR SILICONE WINDOW & DOOR SEALANT	9.8	Ounces(OZ)	09-Apr-19
0001502844	-	CLEAR SILICONE WINDOW & DOOR SEALANT	9.8	Ounces(OZ)	09-Apr-19
0001502843	-	CLEAR SILICONE WINDOW & DOOR SEALANT	9.8	Ounces(OZ)	09-Apr-19
0001502842	-	CLEAR SILICONE WINDOW & DOOR SEALANT	9.8	Ounces(OZ)	09-Apr-19
0001502841	-	CLEAR SILICONE WINDOW & DOOR SEALANT	9.8	Ounces(OZ)	09-Apr-19
0001502840	-	CLEAR SILICONE WINDOW & DOOR SEALANT	9.8	Ounces(OZ)	09-Apr-19
0001502845	-	CLEAR SILICONE WINDOW & DOOR SEALANT	9.8	Ounces(OZ)	09-Apr-19
0001502851	-	CLEAR SILICONE WINDOW & DOOR SEALANT	9.8	Ounces(OZ)	09-Apr-19
0001502854	-	CLEAR SILICONE WINDOW & DOOR SEALANT	9.8	Ounces(OZ)	09-Apr-19
0001502861	-	CLEAR SILICONE WINDOW & DOOR SEALANT	9.8	Ounces(OZ)	09-Apr-19
0001502852	-	CLEAR SILICONE WINDOW & DOOR SEALANT	9.8	Ounces(OZ)	09-Apr-19
0001502853	-	CLEAR SILICONE WINDOW & DOOR SEALANT	9.8	Ounces(OZ)	09-Apr-19
0001502866	-	CLEAR SILICONE WINDOW & DOOR SEALANT	9.8	Ounces(OZ)	09-Apr-19
0001502874	-	CLEAR SILICONE WINDOW & DOOR SEALANT	9.8	Ounces(OZ)	09-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001502873	-	CLEAR SILICONE WINDOW & DOOR SEALANT	9.8	Ounces(OZ)	09-Apr-19
0001502872	-	CLEAR SILICONE WINDOW & DOOR SEALANT	9.8	Ounces(OZ)	09-Apr-19
0001502871	-	CLEAR SILICONE WINDOW & DOOR SEALANT	9.8	Ounces(OZ)	09-Apr-19
0001502870	-	CLEAR SILICONE WINDOW & DOOR SEALANT	9.8	Ounces(OZ)	09-Apr-19
0001502869	-	CLEAR SILICONE WINDOW & DOOR SEALANT	9.8	Ounces(OZ)	09-Apr-19
0001502859	-	CLEAR SILICONE WINDOW & DOOR SEALANT	9.8	Ounces(OZ)	09-Apr-19
0001502867	-	CLEAR SILICONE WINDOW & DOOR SEALANT	9.8	Ounces(OZ)	09-Apr-19
0001502855	-	CLEAR SILICONE WINDOW & DOOR SEALANT	9.8	Ounces(OZ)	09-Apr-19
0001502865	-	CLEAR SILICONE WINDOW & DOOR SEALANT	9.8	Ounces(OZ)	09-Apr-19
0001502864	-	CLEAR SILICONE WINDOW & DOOR SEALANT	9.8	Ounces(OZ)	09-Apr-19
0001502863	-	CLEAR SILICONE WINDOW & DOOR SEALANT	9.8	Ounces(OZ)	09-Apr-19
0001502862	-	CLEAR SILICONE WINDOW & DOOR SEALANT	9.8	Ounces(OZ)	09-Apr-19
0001502860	-	CLEAR SILICONE WINDOW & DOOR SEALANT	9.8	Ounces(OZ)	09-Apr-19
0001502858	-	CLEAR SILICONE WINDOW & DOOR SEALANT	9.8	Ounces(OZ)	09-Apr-19
0001502857	-	CLEAR SILICONE WINDOW & DOOR SEALANT	9.8	Ounces(OZ)	09-Apr-19
0001502856	-	CLEAR SILICONE WINDOW & DOOR SEALANT	9.8	Ounces(OZ)	09-Apr-19
0001502868	-	CLEAR SILICONE WINDOW & DOOR SEALANT	9.8	Ounces(OZ)	09-Apr-19
V000002A17	-	Avalon Premium 100% Acrylic Interior Satin W/B	30.4	Ounces(OZ)	09-Apr-19
V000002A16	-	Avalon Premium 100% Acrylic Interior Satin W/B	30.4	Ounces(OZ)	09-Apr-19
V000002A15	-	Avalon Premium 100% Acrylic Interior Satin W/B	30.4	Ounces(OZ)	09-Apr-19
V000002A14	-	Avalon Premium 100% Acrylic Interior Satin W/B	30.4	Ounces(OZ)	09-Apr-19
V000002A13	-	Avalon Premium 100% Acrylic Interior Satin W/B	30.4	Ounces(OZ)	09-Apr-19
0001502808	-	PSX 700 CURE	0.2	Gallon(GAL)	09-Apr-19
0001502809	-	PSX 700 CURE	0.2	Gallon(GAL)	09-Apr-19
0001502811	-	PSX 700 CURE	0.2	Gallon(GAL)	09-Apr-19
0001502810	-	PSX 700 CURE	0.2	Gallon(GAL)	09-Apr-19
0001502875	-	PSX 700 CURE	0.2	Gallon(GAL)	09-Apr-19
0001502876	-	PSX 700 CURE	0.2	Gallon(GAL)	09-Apr-19
0001502877	-	WHITE SOLVENTLESS SILICONE	5	Gallon(GAL)	09-Apr-19
0001502887	-	WHITE SOLVENTLESS SILICONE	5	Gallon(GAL)	09-Apr-19
0001502878	-	WHITE SOLVENTLESS SILICONE	5	Gallon(GAL)	09-Apr-19
0001502879	-	WHITE SOLVENTLESS SILICONE	5	Gallon(GAL)	09-Apr-19
0001502880	-	WHITE SOLVENTLESS SILICONE	5	Gallon(GAL)	09-Apr-19
0001502881	-	WHITE SOLVENTLESS SILICONE	5	Gallon(GAL)	09-Apr-19
0001502882	-	WHITE SOLVENTLESS SILICONE	5	Gallon(GAL)	09-Apr-19
0001502883	-	WHITE SOLVENTLESS SILICONE	5	Gallon(GAL)	09-Apr-19
0001502884	-	WHITE SOLVENTLESS SILICONE	5	Gallon(GAL)	09-Apr-19
0001502886	-	WHITE SOLVENTLESS SILICONE	5	Gallon(GAL)	09-Apr-19
0001502888	-	WHITE SOLVENTLESS SILICONE	5	Gallon(GAL)	09-Apr-19
0001502889	-	WHITE SOLVENTLESS SILICONE	5	Gallon(GAL)	09-Apr-19
0001502885	-	WHITE SOLVENTLESS SILICONE	5	Gallon(GAL)	09-Apr-19
0001502890	64742-54-7	QuinCip-ISO 100	5	Gallon(GAL)	09-Apr-19
0001502892	-	Cote All D/B	1	Gallon(GAL)	09-Apr-19
0001502893	-	Cote All D/B	1	Gallon(GAL)	09-Apr-19
0001502894	-	Cote All D/B	1	Gallon(GAL)	09-Apr-19
0001502895	-	Cote All D/B	1	Gallon(GAL)	09-Apr-19
0001502896	-	Cote All D/B	1	Gallon(GAL)	09-Apr-19
V000002A30	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	09-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002A2F	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	09-Apr-19
V000002A2C	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	09-Apr-19
V000002A35	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	09-Apr-19
V000002A2B	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	09-Apr-19
V000002A2E	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	09-Apr-19
V000002A2D	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	09-Apr-19
V000002A31	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	09-Apr-19
V000002A32	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	09-Apr-19
V000002A29	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	09-Apr-19
V000002A34	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	09-Apr-19
V000002A28	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	09-Apr-19
V000002A36	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	09-Apr-19
V000002A37	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	09-Apr-19
V000002A38	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	09-Apr-19
V000002A39	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	09-Apr-19
V000002A3A	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	09-Apr-19
V000002A3B	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	09-Apr-19
V000002A26	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	09-Apr-19
V000002A25	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	09-Apr-19
V000002A33	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	09-Apr-19
V000002A1E	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	09-Apr-19
V000002A27	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	09-Apr-19
V000002A18	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	09-Apr-19
V000002A19	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	09-Apr-19
V000002A1A	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	09-Apr-19
V000002A1B	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	09-Apr-19
V000002A1C	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	09-Apr-19
V000002A2A	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	09-Apr-19
V000002A1D	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	09-Apr-19
V000002A1F	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	09-Apr-19
V000002A20	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	09-Apr-19
V000002A21	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	09-Apr-19
V000002A22	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	09-Apr-19
V000002A23	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	09-Apr-19
V000002A24	-	SKID-TEX ST30 ANTI SLIP	1	Pounds(LB)	09-Apr-19
V000002A41	-	ARDEX FEATHER FINISH	10	Pounds(LB)	09-Apr-19
V000002A54	-	ARDEX FEATHER FINISH	10	Pounds(LB)	09-Apr-19
V000002A51	-	ARDEX FEATHER FINISH	10	Pounds(LB)	09-Apr-19
V000002A52	-	ARDEX FEATHER FINISH	10	Pounds(LB)	09-Apr-19
V000002A53	-	ARDEX FEATHER FINISH	10	Pounds(LB)	09-Apr-19
V000002A3D	-	ARDEX FEATHER FINISH	10	Pounds(LB)	09-Apr-19
V000002A3E	-	ARDEX FEATHER FINISH	10	Pounds(LB)	09-Apr-19
V000002A4D	-	ARDEX FEATHER FINISH	10	Pounds(LB)	09-Apr-19
V000002A40	-	ARDEX FEATHER FINISH	10	Pounds(LB)	09-Apr-19
V000002A4B	-	ARDEX FEATHER FINISH	10	Pounds(LB)	09-Apr-19
V000002A49	-	ARDEX FEATHER FINISH	10	Pounds(LB)	09-Apr-19
V000002A57	-	ARDEX FEATHER FINISH	10	Pounds(LB)	09-Apr-19
V000002A3C	-	ARDEX FEATHER FINISH	10	Pounds(LB)	09-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002A4F	-	ARDEX FEATHER FINISH	10	Pounds(LB)	09-Apr-19
V000002A4E	-	ARDEX FEATHER FINISH	10	Pounds(LB)	09-Apr-19
V000002A56	-	ARDEX FEATHER FINISH	10	Pounds(LB)	09-Apr-19
V000002A55	-	ARDEX FEATHER FINISH	10	Pounds(LB)	09-Apr-19
V000002A3F	-	ARDEX FEATHER FINISH	10	Pounds(LB)	09-Apr-19
V000002A47	-	ARDEX FEATHER FINISH	10	Pounds(LB)	09-Apr-19
V000002A43	-	ARDEX FEATHER FINISH	10	Pounds(LB)	09-Apr-19
V000002A44	-	ARDEX FEATHER FINISH	10	Pounds(LB)	09-Apr-19
V000002A45	-	ARDEX FEATHER FINISH	10	Pounds(LB)	09-Apr-19
V000002A4A	-	ARDEX FEATHER FINISH	10	Pounds(LB)	09-Apr-19
V000002A42	-	ARDEX FEATHER FINISH	10	Pounds(LB)	09-Apr-19
V000002A46	-	ARDEX FEATHER FINISH	10	Pounds(LB)	09-Apr-19
V000002A4C	-	ARDEX FEATHER FINISH	10	Pounds(LB)	09-Apr-19
V000002A48	-	ARDEX FEATHER FINISH	10	Pounds(LB)	09-Apr-19
V000002A50	-	ARDEX FEATHER FINISH	10	Pounds(LB)	09-Apr-19
0001331310	7681-52-9	SODIUM HYPOCHLORITE	3.57	Liters(L)	10-Apr-19
0001331312	7681-52-9	SODIUM HYPOCHLORITE	3.57	Liters(L)	10-Apr-19
0001331313	7681-52-9	SODIUM HYPOCHLORITE	3.57	Liters(L)	10-Apr-19
0001331311	7681-52-9	SODIUM HYPOCHLORITE	3.57	Liters(L)	10-Apr-19
0001595215	53320-86-8	Laponite RD	25	Kilograms(KG)	10-Apr-19
0001596433	67-63-0	2-PROPANOL	4	Liters(L)	10-Apr-19
0001596435	67-63-0	2-PROPANOL	4	Liters(L)	10-Apr-19
0001596436	67-63-0	2-PROPANOL	4	Liters(L)	10-Apr-19
0001596434	67-63-0	2-PROPANOL	4	Liters(L)	10-Apr-19
0001596437	67-64-1	ACETONE	4	Liters(L)	10-Apr-19
0001596438	67-64-1	ACETONE	4	Liters(L)	10-Apr-19
0001596439	67-64-1	ACETONE	4	Liters(L)	10-Apr-19
0001596440	67-64-1	ACETONE	4	Liters(L)	10-Apr-19
0001596441	67-63-0	2-PROPANOL	4	Liters(L)	10-Apr-19
0001596444	67-63-0	2-PROPANOL	4	Liters(L)	10-Apr-19
0001596443	67-63-0	2-PROPANOL	4	Liters(L)	10-Apr-19
0001596442	67-63-0	2-PROPANOL	4	Liters(L)	10-Apr-19
0001596445	67-63-0	2-PROPANOL	4	Liters(L)	10-Apr-19
0001596447	67-63-0	2-PROPANOL	4	Liters(L)	10-Apr-19
0001596446	67-63-0	2-PROPANOL	4	Liters(L)	10-Apr-19
0001596448	67-63-0	2-PROPANOL	4	Liters(L)	10-Apr-19
0001596559	493-52-7	METHYL RED	25	Gram(GM)	10-Apr-19
0001596560	76-59-5	BROMOTHYMOL BLUE	25	Gram(GM)	10-Apr-19
0001596561	76-61-9	THYMOL BLUE	25	Gram(GM)	10-Apr-19
0001596562	-	FULLCURE 705	1	Kilograms(KG)	10-Apr-19
0001596563	-	FULLCURE 705	1	Kilograms(KG)	10-Apr-19
0001596564	-	FULLCURE 835 VEROWHITE PLUS MODEL RESIN	1	Kilograms(KG)	10-Apr-19
0001596565	-	FULLCURE 835 VEROWHITE PLUS MODEL RESIN	1	Kilograms(KG)	10-Apr-19
0001596566	7761-88-8	SILVER NITRATE	500	Gram(GM)	10-Apr-19
0001596567	7761-88-8	SILVER NITRATE	500	Gram(GM)	10-Apr-19
0001596568	-	SHELL EPON RESIN 815C	1	Pint(PT)	10-Apr-19
0001596569	-	SHELL EPON RESIN 815C	1	Pint(PT)	10-Apr-19
0001596570	25034-58-6	BIO-GEL GEL	100	Gram(GM)	10-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001596414	669087-46-1	N N N' N'-Tetra(2-ethylhexyl)diglycolamide	5	Gram(GM)	10-Apr-19
0001596571	-	SAR-GEL PASTE	1	Ounces(OZ)	10-Apr-19
0001596576	-	SAR-GEL PASTE	1	Ounces(OZ)	10-Apr-19
0001596579	-	SAR-GEL PASTE	1	Ounces(OZ)	10-Apr-19
0001596582	-	SAR-GEL PASTE	1	Ounces(OZ)	10-Apr-19
0001596580	-	SAR-GEL PASTE	1	Ounces(OZ)	10-Apr-19
0001596578	-	SAR-GEL PASTE	1	Ounces(OZ)	10-Apr-19
0001596577	-	SAR-GEL PASTE	1	Ounces(OZ)	10-Apr-19
0001596575	-	SAR-GEL PASTE	1	Ounces(OZ)	10-Apr-19
0001596573	-	SAR-GEL PASTE	1	Ounces(OZ)	10-Apr-19
0001596581	-	SAR-GEL PASTE	1	Ounces(OZ)	10-Apr-19
0001596572	-	SAR-GEL PASTE	1	Ounces(OZ)	10-Apr-19
0001596574	-	SAR-GEL PASTE	1	Ounces(OZ)	10-Apr-19
0001596583	109-99-9	TETRAHYDROFURAN	1	Liters(L)	10-Apr-19
0001596588	109-99-9	TETRAHYDROFURAN	1	Liters(L)	10-Apr-19
0001596587	109-99-9	TETRAHYDROFURAN	1	Liters(L)	10-Apr-19
0001596586	109-99-9	TETRAHYDROFURAN	1	Liters(L)	10-Apr-19
0001596584	109-99-9	TETRAHYDROFURAN	1	Liters(L)	10-Apr-19
0001596585	109-99-9	TETRAHYDROFURAN	1	Liters(L)	10-Apr-19
0001596589	1487-49-6	Methyl 3-hydroxybutyrate	1	Gram(GM)	10-Apr-19
0001596590	60-29-7	ETHYL ETHER ANHYDROUS	1	Liters(L)	10-Apr-19
0001596591	60-29-7	ETHYL ETHER ANHYDROUS	1	Liters(L)	10-Apr-19
0001596592	75-05-8	ACETONITRILE ANHYDROUS	1	Liters(L)	10-Apr-19
0001596593	75-05-8	ACETONITRILE ANHYDROUS	1	Liters(L)	10-Apr-19
0001596594	7440-17-7	RUBIDIUM	125	Milliliter(ML)	10-Apr-19
0001596595	-	POTASSIUM STANDARD 1000MG/L	125	Milliliter(ML)	10-Apr-19
0001596596	-	HYDROGEN PEROXIDE OPTIMA	500	Milliliter(ML)	10-Apr-19
0001596597	-	HYDROGEN PEROXIDE OPTIMA	500	Milliliter(ML)	10-Apr-19
0001596598	78-10-4	TETRAETHOXYSILANE (DISTILLED IN QUARTZ)	2	Kilograms(KG)	10-Apr-19
0001596599	78-10-4	TETRAETHOXYSILANE (DISTILLED IN QUARTZ)	2	Kilograms(KG)	10-Apr-19
0001596600	111-66-0	1-OCTENE	250	Milliliter(ML)	10-Apr-19
0001596601	75-09-2	METHYLENE CHLORIDE	1	Liters(L)	10-Apr-19
0001596602	67-63-0	ISOPROPYL ALCOHOL	4	Liters(L)	10-Apr-19
0001596603	67-63-0	ISOPROPYL ALCOHOL	4	Liters(L)	10-Apr-19
0001596604	67-63-0	ISOPROPYL ALCOHOL	4	Liters(L)	10-Apr-19
0001596605	67-63-0	ISOPROPYL ALCOHOL	4	Liters(L)	10-Apr-19
0001596606	67-63-0	2-PROPANOL	4	Liters(L)	10-Apr-19
0001596609	67-63-0	2-PROPANOL	4	Liters(L)	10-Apr-19
0001596608	67-63-0	2-PROPANOL	4	Liters(L)	10-Apr-19
0001596607	67-63-0	2-PROPANOL	4	Liters(L)	10-Apr-19
0001596610	-	Negative Resist NR78-500P	16	Ounces(OZ)	10-Apr-19
0001596611	-	Resist Developer RD6	4	Liters(L)	10-Apr-19
0001596612	-	STANDBY V-100 EPOXY GROUT X22	22	Pounds(LB)	10-Apr-19
0001596613	-	STANDBY V-100 EPOXY GROUT X22	22	Pounds(LB)	10-Apr-19
0001596614	-	STANDBY V-100 EPOXY GROUT X22	22	Pounds(LB)	10-Apr-19
0001596615	-	STANDBY V-100 EPOXY GROUT X22	22	Pounds(LB)	10-Apr-19
0001596616	-	SILICONE ELASTOMER	1.1	Kilograms(KG)	10-Apr-19
0001596617	143-07-7	LAURIC ACID	1	Kilograms(KG)	10-Apr-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001502786	-	DURABAK 18 PROTECTIVE COATING	1	Gallon(GAL)	10-Apr-19
0001502788	-	DURABAK 18 PROTECTIVE COATING	1	Gallon(GAL)	10-Apr-19
0001502791	-	DURABAK 18 PROTECTIVE COATING	1	Gallon(GAL)	10-Apr-19
0001502792	-	DURABAK 18 PROTECTIVE COATING	1	Gallon(GAL)	10-Apr-19
0001502793	-	DURABAK 18 PROTECTIVE COATING	1	Gallon(GAL)	10-Apr-19
0001502789	-	DURABAK 18 PROTECTIVE COATING	1	Gallon(GAL)	10-Apr-19
0001502790	-	DURABAK 18 PROTECTIVE COATING	1	Gallon(GAL)	10-Apr-19
0001502787	-	DURABAK 18 PROTECTIVE COATING	1	Gallon(GAL)	10-Apr-19
0001502794	-	XIM PRIMER SEALER BONDER	3.81	Quarts(QT)	10-Apr-19
0001502803	-	XIM PRIMER SEALER BONDER	3.81	Quarts(QT)	10-Apr-19
0001502802	-	XIM PRIMER SEALER BONDER	3.81	Quarts(QT)	10-Apr-19
0001502801	-	XIM PRIMER SEALER BONDER	3.81	Quarts(QT)	10-Apr-19
0001502800	-	XIM PRIMER SEALER BONDER	3.81	Quarts(QT)	10-Apr-19
0001502798	-	XIM PRIMER SEALER BONDER	3.81	Quarts(QT)	10-Apr-19
0001502797	-	XIM PRIMER SEALER BONDER	3.81	Quarts(QT)	10-Apr-19
0001502796	-	XIM PRIMER SEALER BONDER	3.81	Quarts(QT)	10-Apr-19
0001502795	-	XIM PRIMER SEALER BONDER	3.81	Quarts(QT)	10-Apr-19
0001502799	-	XIM PRIMER SEALER BONDER	3.81	Quarts(QT)	10-Apr-19
0001502804	-	PSX 700 LIGHT TINT RESIN	0.64	Gallon(GAL)	10-Apr-19
0001502806	-	PSX 700 LIGHT TINT RESIN	0.64	Gallon(GAL)	10-Apr-19
0001502805	-	PSX 700 LIGHT TINT RESIN	0.64	Gallon(GAL)	10-Apr-19
0001502807	-	PSX 700 LIGHT TINT RESIN	0.64	Gallon(GAL)	10-Apr-19
0001502897	-	XIM PRIMER SEALER BONDER	1	Gallon(GAL)	10-Apr-19
0001502898	-	XIM PRIMER SEALER BONDER	1	Gallon(GAL)	10-Apr-19
0001502900	-	XIM PRIMER SEALER BONDER	1	Gallon(GAL)	10-Apr-19
0001502899	-	XIM PRIMER SEALER BONDER	1	Gallon(GAL)	10-Apr-19
0001502891	-	QUINSYN-PLUS	5	Gallon(GAL)	10-Apr-19
0001595765	144-55-8	SODIUM BICARBONATE	12	Kilograms(KG)	11-Apr-19
0001595766	144-55-8	SODIUM BICARBONATE	12	Kilograms(KG)	11-Apr-19
0001596449	109-99-9	TETRAHYDROFURAN HPLC GRADE	1	Liters(L)	11-Apr-19
0001596451	109-99-9	TETRAHYDROFURAN HPLC GRADE	1	Liters(L)	11-Apr-19
0001596453	109-99-9	TETRAHYDROFURAN HPLC GRADE	1	Liters(L)	11-Apr-19
0001596452	109-99-9	TETRAHYDROFURAN HPLC GRADE	1	Liters(L)	11-Apr-19
0001596454	109-99-9	TETRAHYDROFURAN HPLC GRADE	1	Liters(L)	11-Apr-19
0001596450	109-99-9	TETRAHYDROFURAN HPLC GRADE	1	Liters(L)	11-Apr-19
0001596456	67-63-0	ISOPROPYL ALCOHOL	4	Liters(L)	11-Apr-19
0001596457	67-63-0	ISOPROPYL ALCOHOL	4	Liters(L)	11-Apr-19
0001596458	67-63-0	ISOPROPYL ALCOHOL	4	Liters(L)	11-Apr-19
0001596459	67-63-0	ISOPROPYL ALCOHOL	4	Liters(L)	11-Apr-19
0001596460	67-63-0	ISOPROPYL ALCOHOL	4	Liters(L)	11-Apr-19
0001596461	67-63-0	ISOPROPYL ALCOHOL	4	Liters(L)	11-Apr-19
0001596462	7040-58-6	Dipinacolyl methylphosphonate	2	Gram(GM)	11-Apr-19
0001564966	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Liters(L)	11-Apr-19
0001564968	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Liters(L)	11-Apr-19
0001564967	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Liters(L)	11-Apr-19
0001564969	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	11-Apr-19
0001564972	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	11-Apr-19
0001564970	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	11-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001564973	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	11-Apr-19
0001564971	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	11-Apr-19
0001564974	74-98-6	PROPANE	11	Gallon(GAL)	11-Apr-19
0001564975	74-98-6	PROPANE	11	Gallon(GAL)	11-Apr-19
0001564977	74-98-6	PROPANE	11	Gallon(GAL)	11-Apr-19
0001564979	74-98-6	PROPANE	11	Gallon(GAL)	11-Apr-19
0001564976	74-98-6	PROPANE	11	Gallon(GAL)	11-Apr-19
0001564978	74-98-6	PROPANE	11	Gallon(GAL)	11-Apr-19
0001564981	74-98-6	PROPANE	5	Gallon(GAL)	11-Apr-19
0001564980	74-98-6	PROPANE	5	Gallon(GAL)	11-Apr-19
0001564982	1333-74-0	HYDROGEN	20	Cubic Feet(CF)	11-Apr-19
0001564983	-	95% NITROGEN/5% HYDROGEN	200	Cubic Feet(CF)	11-Apr-19
0001564984	-	5% HYDROGEN/95% ARGON	200	Cubic Feet(CF)	11-Apr-19
0001564985	-	5% HYDROGEN/95% ARGON	200	Cubic Feet(CF)	11-Apr-19
0001564986	-	5% HYDROGEN/95% ARGON	200	Cubic Feet(CF)	11-Apr-19
0001564987	-	5% HYDROGEN/95% ARGON	200	Cubic Feet(CF)	11-Apr-19
0001564988	-	5% HYDROGEN/95% ARGON	200	Cubic Feet(CF)	11-Apr-19
0001564989	-	5% HYDROGEN/95% ARGON	200	Cubic Feet(CF)	11-Apr-19
0001564991	-	5% HYDROGEN/95% ARGON	200	Cubic Feet(CF)	11-Apr-19
0001564990	-	5% HYDROGEN/95% ARGON	200	Cubic Feet(CF)	11-Apr-19
0001564992	-	5% HYDROGEN/95% ARGON	200	Cubic Feet(CF)	11-Apr-19
0001564993	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	11-Apr-19
0001565011	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	11-Apr-19
0001565004	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	11-Apr-19
0001565016	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	11-Apr-19
0001565015	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	11-Apr-19
0001565014	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	11-Apr-19
0001565010	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	11-Apr-19
0001565012	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	11-Apr-19
0001565003	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	11-Apr-19
0001565005	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	11-Apr-19
0001565006	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	11-Apr-19
0001565007	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	11-Apr-19
0001565008	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	11-Apr-19
0001565009	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	11-Apr-19
0001565013	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	11-Apr-19
0001564995	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	11-Apr-19
0001565018	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	11-Apr-19
0001565019	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	11-Apr-19
0001565017	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	11-Apr-19
0001565020	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	11-Apr-19
0001565002	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	11-Apr-19
0001564996	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	11-Apr-19
0001564997	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	11-Apr-19
0001565021	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	11-Apr-19
0001564998	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	11-Apr-19
0001564999	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	11-Apr-19
0001565000	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	11-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001565001	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	11-Apr-19
0001564994	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	11-Apr-19
0001565022	-	Argon UHP	220	Cubic Feet(CF)	11-Apr-19
0001573462	-	266 Threadlocker High Strength	0.32	Ounces(OZ)	11-Apr-19
0001573468	-	266 Threadlocker High Strength	0.32	Ounces(OZ)	11-Apr-19
0001573467	-	266 Threadlocker High Strength	0.32	Ounces(OZ)	11-Apr-19
0001573469	-	266 Threadlocker High Strength	0.32	Ounces(OZ)	11-Apr-19
0001573465	-	266 Threadlocker High Strength	0.32	Ounces(OZ)	11-Apr-19
0001573464	-	266 Threadlocker High Strength	0.32	Ounces(OZ)	11-Apr-19
0001573463	-	266 Threadlocker High Strength	0.32	Ounces(OZ)	11-Apr-19
0001573466	-	266 Threadlocker High Strength	0.32	Ounces(OZ)	11-Apr-19
0001573470	-	266 Threadlocker High Strength	0.32	Ounces(OZ)	11-Apr-19
0001573471	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	11-Apr-19
0001573472	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	11-Apr-19
0001573474	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	11-Apr-19
0001573473	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	11-Apr-19
0001573475	-	LUBRIPLATE CHAIN AND CABLE FLUID	11	Ounces(OZ)	11-Apr-19
0001573477	-	LUBRIPLATE CHAIN AND CABLE FLUID	11	Ounces(OZ)	11-Apr-19
0001573476	-	LUBRIPLATE CHAIN AND CABLE FLUID	11	Ounces(OZ)	11-Apr-19
0001573478	-	Brakleen Brake Parts Cleaner - Non-chlorinated	14	Ounces(OZ)	11-Apr-19
0001573481	-	Brakleen Brake Parts Cleaner - Non-chlorinated	14	Ounces(OZ)	11-Apr-19
0001573490	-	Brakleen Brake Parts Cleaner - Non-chlorinated	14	Ounces(OZ)	11-Apr-19
0001573486	-	Brakleen Brake Parts Cleaner - Non-chlorinated	14	Ounces(OZ)	11-Apr-19
0001573489	-	Brakleen Brake Parts Cleaner - Non-chlorinated	14	Ounces(OZ)	11-Apr-19
0001573485	-	Brakleen Brake Parts Cleaner - Non-chlorinated	14	Ounces(OZ)	11-Apr-19
0001573484	-	Brakleen Brake Parts Cleaner - Non-chlorinated	14	Ounces(OZ)	11-Apr-19
0001573482	-	Brakleen Brake Parts Cleaner - Non-chlorinated	14	Ounces(OZ)	11-Apr-19
0001573480	-	Brakleen Brake Parts Cleaner - Non-chlorinated	14	Ounces(OZ)	11-Apr-19
0001573479	-	Brakleen Brake Parts Cleaner - Non-chlorinated	14	Ounces(OZ)	11-Apr-19
0001573487	-	Brakleen Brake Parts Cleaner - Non-chlorinated	14	Ounces(OZ)	11-Apr-19
0001573488	-	Brakleen Brake Parts Cleaner - Non-chlorinated	14	Ounces(OZ)	11-Apr-19
0001573483	-	Brakleen Brake Parts Cleaner - Non-chlorinated	14	Ounces(OZ)	11-Apr-19
V000002A5D	-	Parts Plus SAE 80W-90 GEAR OIL	1	Quarts(QT)	11-Apr-19
V000002A5C	-	Parts Plus SAE 80W-90 GEAR OIL	1	Quarts(QT)	11-Apr-19
V000002A5B	-	Parts Plus SAE 80W-90 GEAR OIL	1	Quarts(QT)	11-Apr-19
V000002A5A	-	Parts Plus SAE 80W-90 GEAR OIL	1	Quarts(QT)	11-Apr-19
V000002A59	-	Parts Plus SAE 80W-90 GEAR OIL	1	Quarts(QT)	11-Apr-19
V000002A5E	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	11-Apr-19
V000002A5F	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	11-Apr-19
V000002A60	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	11-Apr-19
0001596464	-	HQ Silver	45	Milliliter(ML)	11-Apr-19
V000002A61	-	WD-40 MULTI-USE PRODUCT - [Non-Aerosol]	20	Ounces(OZ)	11-Apr-19
0001573491	-	LOCTITE 242 THREADLOCKER	10	Milliliter(ML)	11-Apr-19
0001573492	-	MOBIL 1 5W-50	1	Quarts(QT)	11-Apr-19
0001573493	-	MOBIL 1 5W-50	1	Quarts(QT)	11-Apr-19
0001573494	-	MOBIL 1 5W-50	1	Quarts(QT)	11-Apr-19
0001565028	-	Argon UHP	220	Cubic Feet(CF)	11-Apr-19
0001565030	-	Argon UHP	220	Cubic Feet(CF)	11-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001565031	-	Argon UHP	220	Cubic Feet(CF)	11-Apr-19
0001565032	-	Argon UHP	220	Cubic Feet(CF)	11-Apr-19
0001565033	-	Argon UHP	220	Cubic Feet(CF)	11-Apr-19
0001565034	-	Argon UHP	220	Cubic Feet(CF)	11-Apr-19
0001565035	-	Argon UHP	220	Cubic Feet(CF)	11-Apr-19
0001565036	-	Argon UHP	220	Cubic Feet(CF)	11-Apr-19
0001565029	-	Argon UHP	220	Cubic Feet(CF)	11-Apr-19
0001565027	-	Argon UHP	220	Cubic Feet(CF)	11-Apr-19
0001565026	-	Argon UHP	220	Cubic Feet(CF)	11-Apr-19
0001565023	-	Argon UHP	220	Cubic Feet(CF)	11-Apr-19
0001565025	-	Argon UHP	220	Cubic Feet(CF)	11-Apr-19
0001565024	-	Argon UHP	220	Cubic Feet(CF)	11-Apr-19
0001596465	-	GoldEnhance EM Plus	48	Milliliter(ML)	11-Apr-19
0001596466	-	GoldEnhance EM Plus	48	Milliliter(ML)	11-Apr-19
0001596467	-	AmpliScribe T7 High Yield Transcription Kit Biotin-	100	Milliliter(ML)	11-Apr-19
0001565037	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	11-Apr-19
0001565046	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	11-Apr-19
0001565040	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	11-Apr-19
0001565045	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	11-Apr-19
0001565044	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	11-Apr-19
0001565038	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	11-Apr-19
0001565039	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	11-Apr-19
0001565043	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	11-Apr-19
0001565042	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	11-Apr-19
0001565041	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	11-Apr-19
0001596469	7697-37-2	NITRIC ACID	2.5	Liters(L)	11-Apr-19
0001596470	7697-37-2	NITRIC ACID	2.5	Liters(L)	11-Apr-19
0001596471	7697-37-2	NITRIC ACID	2.5	Liters(L)	11-Apr-19
0001596472	7697-37-2	NITRIC ACID	2.5	Liters(L)	11-Apr-19
0001596473	7697-37-2	NITRIC ACID	2.5	Liters(L)	11-Apr-19
0001596474	7697-37-2	NITRIC ACID	2.5	Liters(L)	11-Apr-19
0001596475	7697-37-2	NITRIC ACID	2.5	Liters(L)	11-Apr-19
0001596476	7697-37-2	NITRIC ACID	2.5	Liters(L)	11-Apr-19
0001596495	-	DGA Resin Normal	2	Milliliter(ML)	11-Apr-19
0001596496	-	NITRAVER TEST N TUBE REAGENT SET	100	Milliliter(ML)	11-Apr-19
0001565047	-	21% OXYGEN/BAL. HELIUM	220	Cubic Feet(CF)	11-Apr-19
0001596498	-	NITRAVER TEST N TUBE REAGENT SET	100	Milliliter(ML)	11-Apr-19
0001596497	-	NITRAVER TEST N TUBE REAGENT SET	100	Milliliter(ML)	11-Apr-19
0001596499	-	NITRAVER TEST N TUBE REAGENT SET	100	Milliliter(ML)	11-Apr-19
0001596500	-	NITRAVER TEST N TUBE REAGENT SET	100	Milliliter(ML)	11-Apr-19
0001596501	-	NITRAVER TEST N TUBE REAGENT SET	100	Milliliter(ML)	11-Apr-19
0001565049	-	21% OXYGEN/BAL. HELIUM	220	Cubic Feet(CF)	11-Apr-19
0001565048	-	21% OXYGEN/BAL. HELIUM	220	Cubic Feet(CF)	11-Apr-19
0001596502	67-56-1	METHANOL (METHYL ALCOHOL)	4	Liters(L)	11-Apr-19
0001596505	67-56-1	METHANOL (METHYL ALCOHOL)	4	Liters(L)	11-Apr-19
0001596504	67-56-1	METHANOL (METHYL ALCOHOL)	4	Liters(L)	11-Apr-19
0001596503	67-56-1	METHANOL (METHYL ALCOHOL)	4	Liters(L)	11-Apr-19
0001596506	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	11-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001596510	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	11-Apr-19
0001596508	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	11-Apr-19
0001596509	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	11-Apr-19
0001596507	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	11-Apr-19
0001596511	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	11-Apr-19
0001565050	-	AIR COMPRESSED	220	Cubic Feet(CF)	11-Apr-19
0001565051	-	AIR COMPRESSED	220	Cubic Feet(CF)	11-Apr-19
0001565057	-	AIR COMPRESSED	220	Cubic Feet(CF)	11-Apr-19
0001565052	-	AIR COMPRESSED	220	Cubic Feet(CF)	11-Apr-19
0001565053	-	AIR COMPRESSED	220	Cubic Feet(CF)	11-Apr-19
0001565054	-	AIR COMPRESSED	220	Cubic Feet(CF)	11-Apr-19
0001565055	-	AIR COMPRESSED	220	Cubic Feet(CF)	11-Apr-19
0001565056	-	AIR COMPRESSED	220	Cubic Feet(CF)	11-Apr-19
0001565058	-	AIR COMPRESSED	220	Cubic Feet(CF)	11-Apr-19
0001565059	-	AIR COMPRESSED	220	Cubic Feet(CF)	11-Apr-19
0001596512	108-69-0	3 5-Dimethylaniline	25	Milliliter(ML)	11-Apr-19
0015655060	7727-37-9	NITROGEN COMPRESSED GAS	20	Cubic Feet(CF)	11-Apr-19
0001565063	7727-37-9	NITROGEN COMPRESSED GAS	20	Cubic Feet(CF)	11-Apr-19
0001565061	7727-37-9	NITROGEN COMPRESSED GAS	20	Cubic Feet(CF)	11-Apr-19
0001565062	7727-37-9	NITROGEN COMPRESSED GAS	20	Cubic Feet(CF)	11-Apr-19
V000002A62	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	11-Apr-19
V000002A6C	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	11-Apr-19
V000002A6B	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	11-Apr-19
V000002A6A	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	11-Apr-19
V000002A69	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	11-Apr-19
V000002A68	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	11-Apr-19
V000002A67	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	11-Apr-19
V000002A66	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	11-Apr-19
V000002A65	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	11-Apr-19
V000002A63	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	11-Apr-19
V000002A70	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	11-Apr-19
V000002A72	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	11-Apr-19
V000002A73	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	11-Apr-19
V000002A74	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	11-Apr-19
V000002A75	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	11-Apr-19
V000002A6E	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	11-Apr-19
V000002A76	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	11-Apr-19
V000002A77	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	11-Apr-19
V000002A64	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	11-Apr-19
V000002A6D	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	11-Apr-19
V000002A71	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	11-Apr-19
V000002A6F	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	11-Apr-19
V000002A79	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	11-Apr-19
V000002A7B	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	11-Apr-19
V000002A7C	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	11-Apr-19
V000002A85	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	11-Apr-19
V000002A83	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	11-Apr-19
V000002A7D	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	11-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002A7E	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	11-Apr-19
V000002A8F	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	11-Apr-19
V000002A8E	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	11-Apr-19
V000002A7F	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	11-Apr-19
V000002A7A	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	11-Apr-19
V000002A80	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	11-Apr-19
V000002A78	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	11-Apr-19
V000002A81	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	11-Apr-19
V000002A8D	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	11-Apr-19
V000002A8C	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	11-Apr-19
V000002A8B	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	11-Apr-19
V000002A8A	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	11-Apr-19
V000002A89	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	11-Apr-19
V000002A86	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	11-Apr-19
V000002A87	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	11-Apr-19
V000002A82	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	11-Apr-19
V000002A88	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	11-Apr-19
V000002A84	-	SAE 15W-40 MOTOR OIL	1	Quarts(QT)	11-Apr-19
V000002A92	-	Mobil 1 5W-40	1	Gallon(GAL)	11-Apr-19
V000002A99	-	Mobil 1 5W-40	1	Gallon(GAL)	11-Apr-19
V000002A9A	-	Mobil 1 5W-40	1	Gallon(GAL)	11-Apr-19
V000002A90	-	Mobil 1 5W-40	1	Gallon(GAL)	11-Apr-19
V000002A93	-	Mobil 1 5W-40	1	Gallon(GAL)	11-Apr-19
V000002A94	-	Mobil 1 5W-40	1	Gallon(GAL)	11-Apr-19
V000002A95	-	Mobil 1 5W-40	1	Gallon(GAL)	11-Apr-19
V000002A96	-	Mobil 1 5W-40	1	Gallon(GAL)	11-Apr-19
V000002A91	-	Mobil 1 5W-40	1	Gallon(GAL)	11-Apr-19
V000002A98	-	Mobil 1 5W-40	1	Gallon(GAL)	11-Apr-19
V000002A97	-	Mobil 1 5W-40	1	Gallon(GAL)	11-Apr-19
0001565064	-	FORANE 407 C	25	Pounds(LB)	11-Apr-19
0001565067	-	FORANE 407 C	25	Pounds(LB)	11-Apr-19
0001565066	-	FORANE 407 C	25	Pounds(LB)	11-Apr-19
0001565065	-	FORANE 407 C	25	Pounds(LB)	11-Apr-19
0001596618	433-53-4	Methyl difluoroacetate	25	Gram(GM)	11-Apr-19
0001565068	-	R 410A	25	Cubic Feet(CF)	11-Apr-19
V000002A9D	-	RV ANTIFREEZE	1	Gallon(GAL)	11-Apr-19
V000002A9C	-	RV ANTIFREEZE	1	Gallon(GAL)	11-Apr-19
V000002A9B	-	RV ANTIFREEZE	1	Gallon(GAL)	11-Apr-19
0001565069	-	R 410A	25	Cubic Feet(CF)	11-Apr-19
0001565070	-	R 410A	25	Cubic Feet(CF)	11-Apr-19
0001596619	1514-87-0	Methyl chlorodifluoroacetate	100	Gram(GM)	11-Apr-19
0001565071	-	Refrigerant R22	25	Pounds(LB)	11-Apr-19
0001596620	68951-96-2	VINYL TERMINATED (4-6% DIPHENYLSILOXANE)-	100	Gram(GM)	11-Apr-19
0001573495	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	11-Apr-19
0001596624	68951-96-2	VINYL TERMINATED (4-6% DIPHENYLSILOXANE)-	100	Gram(GM)	11-Apr-19
0001596622	68951-96-2	VINYL TERMINATED (4-6% DIPHENYLSILOXANE)-	100	Gram(GM)	11-Apr-19
0001596623	68951-96-2	VINYL TERMINATED (4-6% DIPHENYLSILOXANE)-	100	Gram(GM)	11-Apr-19
0001596621	68951-96-2	VINYL TERMINATED (4-6% DIPHENYLSILOXANE)-	100	Gram(GM)	11-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001573497	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	11-Apr-19
0001573496	-	Krystal Kleer -25 degree Windshield Washer Fluid	1	Gallon(GAL)	11-Apr-19
0001596625	12047-27-7	BARIUM TITANIUM OXIDE	25	Gram(GM)	11-Apr-19
0001596626	71-36-3	1-BUTANOL	2.5	Liters(L)	11-Apr-19
0001596628	71-36-3	1-BUTANOL	2.5	Liters(L)	11-Apr-19
0001596629	71-36-3	1-BUTANOL	2.5	Liters(L)	11-Apr-19
0001596627	71-36-3	1-BUTANOL	2.5	Liters(L)	11-Apr-19
V000002AA4	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	11-Apr-19
V000002AA1	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	11-Apr-19
V000002AA0	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	11-Apr-19
V000002A9F	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	11-Apr-19
V000002AA6	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	11-Apr-19
V000002A9E	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	11-Apr-19
V000002AA2	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	11-Apr-19
V000002AA3	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	11-Apr-19
V000002AA5	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	11-Apr-19
V000002AAB	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	11-Apr-19
V000002AAA	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	11-Apr-19
V000002AA9	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	11-Apr-19
V000002AA8	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	11-Apr-19
V000002AA7	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	11-Apr-19
V000002AAD	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	11-Apr-19
V000002AAC	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	11-Apr-19
V000002AAE	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	11-Apr-19
V000002AAF	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	11-Apr-19
V000002AB1	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	11-Apr-19
V000002AB9	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	11-Apr-19
V000002AB8	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	11-Apr-19
V000002AB7	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	11-Apr-19
V000002AB6	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	11-Apr-19
V000002AB5	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	11-Apr-19
V000002AB4	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	11-Apr-19
V000002AB2	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	11-Apr-19
V000002AB0	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	11-Apr-19
V000002AB3	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	11-Apr-19
0001573498	-	LUBRIPLATE CHAIN AND CABLE FLUID	11	Ounces(OZ)	11-Apr-19
0001573499	-	ANTI SEIZE LUBRICANT	1	Pounds(LB)	11-Apr-19
0001596630	527-07-1	D-Gluconic acid sodium salt	500	Gram(GM)	11-Apr-19
0001573500	-	ANTI SEIZE LUBRICANT	1	Pounds(LB)	11-Apr-19
0001596631	67-63-0	2-PROPANOL	4	Liters(L)	11-Apr-19
0001596632	67-63-0	2-PROPANOL	4	Liters(L)	11-Apr-19
0001596633	67-63-0	2-PROPANOL	4	Liters(L)	11-Apr-19
0001596634	67-63-0	2-PROPANOL	4	Liters(L)	11-Apr-19
0001596635	7664-93-9	SULFURIC ACID	250	Milliliter(ML)	11-Apr-19
0001573501	-	DIESEL FUEL SUPPLEMENT	32	Ounces(OZ)	11-Apr-19
0001573502	-	DIESEL FUEL SUPPLEMENT	32	Ounces(OZ)	11-Apr-19
0001596636	146462-25-1	Methyl 6-(bromomethyl)picolinate	5	Gram(GM)	11-Apr-19
0001596637	69365-72-6	GALLIUM(III)NITRATE	25	Gram(GM)	11-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001596638	7440-66-6	ZINC POWDER	10	Gram(GM)	11-Apr-19
0001596639	7664-39-3	HYDROFLUORIC ACID	1	Liters(L)	11-Apr-19
0001596640	7664-39-3	HYDROFLUORIC ACID	1	Liters(L)	11-Apr-19
0001596641	64-19-7	ACETIC ACID GLACIAL	500	Milliliter(ML)	11-Apr-19
0001596645	64-19-7	ACETIC ACID GLACIAL	500	Milliliter(ML)	11-Apr-19
0001596642	64-19-7	ACETIC ACID GLACIAL	500	Milliliter(ML)	11-Apr-19
0001596643	64-19-7	ACETIC ACID GLACIAL	500	Milliliter(ML)	11-Apr-19
0001596644	64-19-7	ACETIC ACID GLACIAL	500	Milliliter(ML)	11-Apr-19
0001596646	64-19-7	ACETIC ACID GLACIAL	500	Milliliter(ML)	11-Apr-19
0001596647	14516-54-2	BROMOPENTACARBONYLMANGANESE	5	Gram(GM)	11-Apr-19
0001596648	1070-70-8	1 4-Butanediol Diacrylate	100	Milliliter(ML)	11-Apr-19
0001596649	68-12-2	N N-DIMETHYLFORMAMIDE	1	Liters(L)	11-Apr-19
0001596652	68-12-2	N N-DIMETHYLFORMAMIDE	1	Liters(L)	11-Apr-19
0001596650	68-12-2	N N-DIMETHYLFORMAMIDE	1	Liters(L)	11-Apr-19
0001596653	68-12-2	N N-DIMETHYLFORMAMIDE	1	Liters(L)	11-Apr-19
0001596654	68-12-2	N N-DIMETHYLFORMAMIDE	1	Liters(L)	11-Apr-19
0001596651	68-12-2	N N-DIMETHYLFORMAMIDE	1	Liters(L)	11-Apr-19
0001596655	70942-24-4	3-(TRIHYDROXYSILYL)-1-PROPANESULFONIC ACID	25	Gram(GM)	11-Apr-19
0001596656	16940-66-2	SODIUM BOROHYDRIDE	100	Gram(GM)	11-Apr-19
0001596657	143-15-7	1-Bromododecane	100	Gram(GM)	11-Apr-19
0001596658	-	PLY-7608	1	Pint(PT)	11-Apr-19
0001596659	-	PLY-7608	1	Pint(PT)	11-Apr-19
0001596663	-	PLY-7608	1	Pint(PT)	11-Apr-19
0001596662	-	PLY-7608	1	Pint(PT)	11-Apr-19
0001596661	-	PLY-7608	1	Pint(PT)	11-Apr-19
0001596660	-	PLY-7608	1	Pint(PT)	11-Apr-19
0001596664	7761-88-8	SILVER NITRATE	10	Gram(GM)	11-Apr-19
0001385713	-	GORILLA GLUE	8	Ounces(OZ)	11-Apr-19
0001459114	-	3M Scotchcast Electrical Resin 281 Part A	1	Pounds(LB)	11-Apr-19
0001459120	-	3M Scotchcast Electrical Resin 281 Part A	1	Pounds(LB)	11-Apr-19
0001459117	-	3M Scotchcast Electrical Resin 281 Part A	1	Pounds(LB)	11-Apr-19
0001459118	-	3M Scotchcast Electrical Resin 281 Part A	1	Pounds(LB)	11-Apr-19
0001459119	-	3M Scotchcast Electrical Resin 281 Part A	1	Pounds(LB)	11-Apr-19
0001459115	-	3M Scotchcast Electrical Resin 281 Part A	1	Pounds(LB)	11-Apr-19
0001459116	-	3M Scotchcast Electrical Resin 281 Part A	1	Pounds(LB)	11-Apr-19
0001459121	-	3M Scotchcast Electrical Resin 281 Part B	1	Pounds(LB)	11-Apr-19
0001459135	-	3M Scotchcast Electrical Resin 281 Part A	1	Pounds(LB)	11-Apr-19
0001459139	-	3M Scotchcast Electrical Resin 281 Part A	1	Pounds(LB)	11-Apr-19
0001459140	-	3M Scotchcast Electrical Resin 281 Part A	1	Pounds(LB)	11-Apr-19
0001459138	-	3M Scotchcast Electrical Resin 281 Part A	1	Pounds(LB)	11-Apr-19
0001459137	-	3M Scotchcast Electrical Resin 281 Part A	1	Pounds(LB)	11-Apr-19
0001459136	-	3M Scotchcast Electrical Resin 281 Part A	1	Pounds(LB)	11-Apr-19
0001596669	1241390-29-3	DFHBI	5	Milligram(MG)	11-Apr-19
0001596671	4235-95-4	L-ALPHA-PHOSPHATIDYL CHOLINE DIOLEOYL	25	Milligram(MG)	11-Apr-19
0001596672	4235-95-4	L-ALPHA-PHOSPHATIDYL CHOLINE DIOLEOYL	25	Milligram(MG)	11-Apr-19
0001596703	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596737	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596775	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001596735	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596764	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596765	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596766	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596767	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596768	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596769	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596770	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596771	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596772	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596762	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596774	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596761	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596776	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596777	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596778	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596779	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596780	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596781	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596782	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596783	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596733	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596736	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596773	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596750	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596738	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596739	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596740	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596741	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596742	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596743	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596744	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596745	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596746	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596747	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596763	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596749	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596734	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596751	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596752	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596753	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596754	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596755	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596756	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596757	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596758	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596759	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596760	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001596748	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596715	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596784	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596726	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596725	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596724	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596723	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596722	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596721	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596720	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596719	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596718	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596728	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596716	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596729	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596714	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596713	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596712	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596711	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596710	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596709	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596708	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596707	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596706	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596705	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596717	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596797	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596785	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596786	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596787	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596788	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596789	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596790	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596791	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596792	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596793	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596794	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596727	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596796	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596704	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596798	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596799	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596800	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596801	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596802	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596732	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596731	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596730	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001596795	-	AngstromBond 9110LV	2.5	Gram(GM)	11-Apr-19
0001596803	16940-66-2	SODIUM BOROHYDRIDE	25	Gram(GM)	11-Apr-19
0001596804	78-95-5	CHLOROACETONE	100	Gram(GM)	11-Apr-19
0001596805	106-93-4	1 2-DIBROMOETHANE	250	Gram(GM)	11-Apr-19
0001459141	-	3M Scotchcast Electrical Resin 281 Part A	1	Pounds(LB)	11-Apr-19
0001595037	877-24-7	BUFFER PH 4 (RED BUFFER)	500	Milliliter(ML)	15-Apr-19
0001595038	877-24-7	BUFFER PH 4 (RED BUFFER)	500	Milliliter(ML)	15-Apr-19
0001595042	877-24-7	BUFFER PH 4 (RED BUFFER)	500	Milliliter(ML)	15-Apr-19
0001595041	877-24-7	BUFFER PH 4 (RED BUFFER)	500	Milliliter(ML)	15-Apr-19
0001595039	877-24-7	BUFFER PH 4 (RED BUFFER)	500	Milliliter(ML)	15-Apr-19
0001595040	877-24-7	BUFFER PH 4 (RED BUFFER)	500	Milliliter(ML)	15-Apr-19
0001596477	7697-37-2	NITRIC ACID	2.5	Liters(L)	15-Apr-19
0001596482	7697-37-2	NITRIC ACID	2.5	Liters(L)	15-Apr-19
0001596480	7697-37-2	NITRIC ACID	2.5	Liters(L)	15-Apr-19
0001596479	7697-37-2	NITRIC ACID	2.5	Liters(L)	15-Apr-19
0001596478	7697-37-2	NITRIC ACID	2.5	Liters(L)	15-Apr-19
0001596481	7697-37-2	NITRIC ACID	2.5	Liters(L)	15-Apr-19
0001596463	-	Cy3-CTP	10	Milliliter(ML)	15-Apr-19
0001596665	50-81-7	L-ASCORBIC ACID	100	Gram(GM)	15-Apr-19
0001596666	27988-77-8	GOLD (III) CHLORIDE HYDRATE	500	Milligram(MG)	15-Apr-19
0001596667	25322-68-3	POLYETHYLENE GLYCOL	250	Gram(GM)	15-Apr-19
0001596668	1271-19-8	Bis(cyclopentadienyl)titanium(IV) dichloride	10	Gram(GM)	15-Apr-19
0001596673	930-68-7	2-CYCLOHEXEN-1-ONE	100	Milliliter(ML)	15-Apr-19
0001596674	100-39-0	BENZYL BROMIDE	100	Gram(GM)	15-Apr-19
0001596675	7439-93-2	LITHIUM DRY GRANULAR	25	Gram(GM)	15-Apr-19
0001596676	25322-68-3	POLYETHYLENE GLYCOL	500	Gram(GM)	15-Apr-19
0001596677	-	LEAK DETECTOR SNOOP 8OZ	8	Ounces(OZ)	15-Apr-19
0001596678	-	LEAK DETECTOR SNOOP 8OZ	8	Ounces(OZ)	15-Apr-19
0001596679	7722-84-1	HYDROGEN PEROXIDE 3%	1	Gallon(GAL)	15-Apr-19
0001596680	7722-84-1	HYDROGEN PEROXIDE 3%	1	Gallon(GAL)	15-Apr-19
0001596681	107-22-2	Glyaxal 40%	100	Gram(GM)	15-Apr-19
0001596682	102-86-3	TRIHEXYLAMINE	100	Gram(GM)	15-Apr-19
0001596683	-	FMOC-TRP-OH	50	Gram(GM)	15-Apr-19
0001596684	16774-21-3	AMMONIUM CERIUM(IV)NITRATE (CERIC	500	Gram(GM)	15-Apr-19
0001596685	9002-18-0	AGAR GRANULATED	500	Gram(GM)	15-Apr-19
0001596686	9002-18-0	AGAR GRANULATED	500	Gram(GM)	15-Apr-19
0001596687	121-44-8	TRIETHYLAMINE	500	Milliliter(ML)	15-Apr-19
0001596688	1330-20-7	XYLENES	2.5	Liters(L)	15-Apr-19
0001596689	1330-20-7	XYLENES	2.5	Liters(L)	15-Apr-19
0001596690	26042-63-7	SILVER HEXAFLUOROPHOSPHATE	10	Gram(GM)	15-Apr-19
0001596691	7188-38-7	tert-Butyl isocyanide	5	Gram(GM)	15-Apr-19
0001596692	7188-38-7	tert-Butyl isocyanide	5	Gram(GM)	15-Apr-19
0001596693	100-02-7	4-NITROPHENOL	50	Gram(GM)	15-Apr-19
0001596694	9050-68-4	SEPHADEX G-10	50	Gram(GM)	15-Apr-19
0001596695	27072-45-3	Fluorescein 5(6)-isothiocyanate	100	Milligram(MG)	15-Apr-19
0001596696	27072-45-3	Fluorescein 5(6)-isothiocyanate	100	Milligram(MG)	15-Apr-19
0001596697	27072-45-3	Fluorescein 5(6)-isothiocyanate	100	Milligram(MG)	15-Apr-19
0001596698	631-61-8	AMMONIUM ACETATE	100	Gram(GM)	15-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001596699	-	ETHANOL 200 PROOF	4	Gallon(GAL)	15-Apr-19
0001596702	-	ETHANOL 200 PROOF	4	Gallon(GAL)	15-Apr-19
0001596701	-	ETHANOL 200 PROOF	4	Gallon(GAL)	15-Apr-19
0001596700	-	ETHANOL 200 PROOF	4	Gallon(GAL)	15-Apr-19
0001596847	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	15-Apr-19
0001596865	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	15-Apr-19
0001596857	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	15-Apr-19
0001596867	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	15-Apr-19
0001596869	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	15-Apr-19
0001596868	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	15-Apr-19
0001596866	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	15-Apr-19
0001596864	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	15-Apr-19
0001596863	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	15-Apr-19
0001596862	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	15-Apr-19
0001596861	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	15-Apr-19
0001596860	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	15-Apr-19
0001596858	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	15-Apr-19
0001596870	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	15-Apr-19
0001596856	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	15-Apr-19
0001596855	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	15-Apr-19
0001596854	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	15-Apr-19
0001596853	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	15-Apr-19
0001596852	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	15-Apr-19
0001596851	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	15-Apr-19
0001596850	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	15-Apr-19
0001596849	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	15-Apr-19
0001596848	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	15-Apr-19
0001596859	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	15-Apr-19
0001596883	7697-37-2	NITRIC ACID OPTIMA	500	Milliliter(ML)	15-Apr-19
0001596885	7697-37-2	NITRIC ACID OPTIMA	500	Milliliter(ML)	15-Apr-19
0001596886	7697-37-2	NITRIC ACID OPTIMA	500	Milliliter(ML)	15-Apr-19
0001596887	7697-37-2	NITRIC ACID OPTIMA	500	Milliliter(ML)	15-Apr-19
0001596884	7697-37-2	NITRIC ACID OPTIMA	500	Milliliter(ML)	15-Apr-19
0001596919	69011-17-2	DOWEX 66 ION-EXCHANGE RESIN	500	Gram(GM)	15-Apr-19
0001596920	69011-17-2	DOWEX 66 ION-EXCHANGE RESIN	500	Gram(GM)	15-Apr-19
0001596921	69011-17-2	DOWEX 66 ION-EXCHANGE RESIN	500	Gram(GM)	15-Apr-19
0001516804	7697-37-2	NITRIC ACID OPTIMA	1	Liters(L)	15-Apr-19
0001596483	7697-37-2	NITRIC ACID	500	Milliliter(ML)	15-Apr-19
0001596888	-	B-27 Plus Supplement (50X)	10	Milliliter(ML)	15-Apr-19
0001596889	-	HYDROBROMIC ACID OPTIMA	1	Liters(L)	15-Apr-19
0001596890	-	HYDROBROMIC ACID OPTIMA	1	Liters(L)	15-Apr-19
0001596892	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	Milliliter(ML)	15-Apr-19
0001596896	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	Milliliter(ML)	15-Apr-19
0001596895	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	Milliliter(ML)	15-Apr-19
0001596893	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	Milliliter(ML)	15-Apr-19
0001596897	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	Milliliter(ML)	15-Apr-19
0001596894	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	Milliliter(ML)	15-Apr-19
0001596898	67-63-0	2-PROPANOL	4	Liters(L)	15-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001596902	67-63-0	2-PROPANOL	4	Liters(L)	15-Apr-19
0001596903	67-63-0	2-PROPANOL	4	Liters(L)	15-Apr-19
0001596904	67-63-0	2-PROPANOL	4	Liters(L)	15-Apr-19
0001596905	67-63-0	2-PROPANOL	4	Liters(L)	15-Apr-19
0001596901	67-63-0	2-PROPANOL	4	Liters(L)	15-Apr-19
0001596900	67-63-0	2-PROPANOL	4	Liters(L)	15-Apr-19
0001596899	67-63-0	2-PROPANOL	4	Liters(L)	15-Apr-19
0001596910	-	HYDROBROMIC ACID OPTIMA	1	Liters(L)	15-Apr-19
0001596915	-	HYDROBROMIC ACID OPTIMA	1	Liters(L)	15-Apr-19
0001596911	-	HYDROBROMIC ACID OPTIMA	1	Liters(L)	15-Apr-19
0001596912	-	HYDROBROMIC ACID OPTIMA	1	Liters(L)	15-Apr-19
0001596913	-	HYDROBROMIC ACID OPTIMA	1	Liters(L)	15-Apr-19
0001596914	-	HYDROBROMIC ACID OPTIMA	1	Liters(L)	15-Apr-19
0001596922	126-73-8	TRIBUTYL PHOSPHATE	500	Milliliter(ML)	15-Apr-19
0001596923	126-73-8	TRIBUTYL PHOSPHATE	500	Milliliter(ML)	15-Apr-19
0001596929	112-90-3	OLEYLAMINE	500	Gram(GM)	15-Apr-19
0001596930	7439-93-2	LITHIUM RIBBON	25	Gram(GM)	15-Apr-19
0001596931	10125-13-0	COPPER(II) CHLORIDE DIHYDRATE	2.5	Kilograms(KG)	15-Apr-19
0001596932	630-18-2	TRIMETHYLACETONITRILE	25	Gram(GM)	15-Apr-19
0001596933	5369-16-4	3-Isopropylaniline	25	Milliliter(ML)	15-Apr-19
0001596934	7447-40-7	Kalium Mixture (Potassium Chloride and Calcium)	10	Milligram(MG)	15-Apr-19
0001596935	7447-40-7	Kalium Mixture (Potassium Chloride and Calcium)	10	Milligram(MG)	15-Apr-19
0001596936	112-90-3	OLEYLAMINE	500	Gram(GM)	15-Apr-19
0001596937	12598-61-7	Potassium Bismuth Alloy	25	Milligram(MG)	15-Apr-19
0001596941	12598-61-7	Potassium Bismuth Alloy	25	Milligram(MG)	15-Apr-19
0001596938	12598-61-7	Potassium Bismuth Alloy	25	Milligram(MG)	15-Apr-19
0001596939	12598-61-7	Potassium Bismuth Alloy	25	Milligram(MG)	15-Apr-19
0001596940	12598-61-7	Potassium Bismuth Alloy	25	Milligram(MG)	15-Apr-19
0001596942	26780-50-7	Resomer RG 752 H; Poly(D L-lactide-co-glycolide)	5	Gram(GM)	15-Apr-19
0001596943	26780-50-7	Resomer RG 752 H; Poly(D L-lactide-co-glycolide)	5	Gram(GM)	15-Apr-19
0001596944	616-38-6	DIMETHYL CARBONATE	100	Milliliter(ML)	15-Apr-19
0001596946	67-68-5	DIMETHYL SULFOXIDE	25	Milliliter(ML)	15-Apr-19
0001596947	67-68-5	DIMETHYL SULFOXIDE	25	Milliliter(ML)	15-Apr-19
0001596948	67-68-5	DIMETHYL SULFOXIDE	25	Milliliter(ML)	15-Apr-19
0001596949	67-68-5	DIMETHYL SULFOXIDE	25	Milliliter(ML)	15-Apr-19
0001596950	67-68-5	DIMETHYL SULFOXIDE	25	Milliliter(ML)	15-Apr-19
0001596951	97-51-8	2-HYDROXY-5-NITROBENZALDEHYDE	25	Gram(GM)	15-Apr-19
0001596952	97-51-8	2-HYDROXY-5-NITROBENZALDEHYDE	25	Gram(GM)	15-Apr-19
0001596953	97-51-8	2-HYDROXY-5-NITROBENZALDEHYDE	25	Gram(GM)	15-Apr-19
0001596991	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	15-Apr-19
0001597020	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	15-Apr-19
0001597028	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	15-Apr-19
0001597027	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	15-Apr-19
0001597026	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	15-Apr-19
0001597025	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	15-Apr-19
0001597024	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	15-Apr-19
0001597023	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	15-Apr-19
0001596995	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	15-Apr-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001597021	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	15-Apr-19
0001597019	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	15-Apr-19
0001597018	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	15-Apr-19
0001596994	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	15-Apr-19
0001596993	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	15-Apr-19
0001597030	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	15-Apr-19
0001596996	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	15-Apr-19
0001596992	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	15-Apr-19
0001597029	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	15-Apr-19
0001597022	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	15-Apr-19
0001597005	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	15-Apr-19
0001596997	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	15-Apr-19
0001596998	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	15-Apr-19
0001596999	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	15-Apr-19
0001597000	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	15-Apr-19
0001597001	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	15-Apr-19
0001597002	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	15-Apr-19
0001597004	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	15-Apr-19
0001597006	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	15-Apr-19
0001597007	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	15-Apr-19
0001597008	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	15-Apr-19
0001597014	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	15-Apr-19
0001597010	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	15-Apr-19
0001597011	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	15-Apr-19
0001597012	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	15-Apr-19
0001597015	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	15-Apr-19
0001597013	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	15-Apr-19
0001597017	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	15-Apr-19
0001597003	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	15-Apr-19
0001597009	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	15-Apr-19
0001597016	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	15-Apr-19
0001597031	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	15-Apr-19
0001597037	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	15-Apr-19
0001597048	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	15-Apr-19
0001597054	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	15-Apr-19
0001597039	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	15-Apr-19
0001597034	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	15-Apr-19
0001597033	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	15-Apr-19
0001597047	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	15-Apr-19
0001597032	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	15-Apr-19
0001597040	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	15-Apr-19
0001597045	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	15-Apr-19
0001597036	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	15-Apr-19
0001597049	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	15-Apr-19
0001597050	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	15-Apr-19
0001597046	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	15-Apr-19
0001597052	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	15-Apr-19
0001597051	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	15-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001597043	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	15-Apr-19
0001597038	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	15-Apr-19
0001597041	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	15-Apr-19
0001597053	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	15-Apr-19
0001597035	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	15-Apr-19
0001597042	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	15-Apr-19
0001597044	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	15-Apr-19
0001596515	109-72-8	N-BUTYLLITHIUM	100	Milliliter(ML)	15-Apr-19
0001596522	109-72-8	N-BUTYLLITHIUM	100	Milliliter(ML)	15-Apr-19
0001596521	109-72-8	N-BUTYLLITHIUM	100	Milliliter(ML)	15-Apr-19
0001596520	109-72-8	N-BUTYLLITHIUM	100	Milliliter(ML)	15-Apr-19
0001596519	109-72-8	N-BUTYLLITHIUM	100	Milliliter(ML)	15-Apr-19
0001596518	109-72-8	N-BUTYLLITHIUM	100	Milliliter(ML)	15-Apr-19
0001596517	109-72-8	N-BUTYLLITHIUM	100	Milliliter(ML)	15-Apr-19
0001596516	109-72-8	N-BUTYLLITHIUM	100	Milliliter(ML)	15-Apr-19
0001596523	7681-57-4	SODIUM METABISULFITE	10000	Gram(GM)	15-Apr-19
0001596527	7681-57-4	SODIUM METABISULFITE	10000	Gram(GM)	15-Apr-19
0001596524	7681-57-4	SODIUM METABISULFITE	10000	Gram(GM)	15-Apr-19
0001596525	7681-57-4	SODIUM METABISULFITE	10000	Gram(GM)	15-Apr-19
0001596526	7681-57-4	SODIUM METABISULFITE	10000	Gram(GM)	15-Apr-19
0001596528	75-05-8	ACETONITRILE ANHYDROUS	2	Liters(L)	15-Apr-19
0001596945	95-45-4	DIMETHYLGLYOXIME	50	Gram(GM)	15-Apr-19
0001596954	-	GORILLA GLUE	15	Gram(GM)	15-Apr-19
0001596955	-	GORILLA GLUE	15	Gram(GM)	15-Apr-19
0001596956	-	GORILLA GLUE	15	Gram(GM)	15-Apr-19
0001596957	-	SOLDER FLUX PEN 186	10	Milliliter(ML)	15-Apr-19
0001596958	25068-38-6	EPON 828	1	Quarts(QT)	15-Apr-19
0001596959	110-54-3	HEXANE CERTIFIED ACS	4	Liters(L)	15-Apr-19
0001596960	110-54-3	HEXANE CERTIFIED ACS	4	Liters(L)	15-Apr-19
0001596961	110-54-3	HEXANE CERTIFIED ACS	4	Liters(L)	15-Apr-19
0001596962	110-54-3	HEXANE CERTIFIED ACS	4	Liters(L)	15-Apr-19
0001596963	75-09-2	DICHLOROMETHANE	4	Liters(L)	15-Apr-19
0001596966	75-09-2	DICHLOROMETHANE	4	Liters(L)	15-Apr-19
0001596965	75-09-2	DICHLOROMETHANE	4	Liters(L)	15-Apr-19
0001596964	75-09-2	DICHLOROMETHANE	4	Liters(L)	15-Apr-19
0001596967	-	ALL-IN-ONE STANDARD PH BUFFER	60	Milliliter(ML)	15-Apr-19
0001596968	7697-37-2	NITRIC ACID TRACEMETAL	2.5	Liters(L)	15-Apr-19
0001596969	64-18-6	FORMIC ACID	1	Milliliter(ML)	15-Apr-19
0001596970	7664-93-9	SULFURIC ACID	500	Milliliter(ML)	15-Apr-19
0001596971	67-64-1	ACETONE REAGENT ACS	4	Liters(L)	15-Apr-19
0001596972	57-13-6	UREA	5	Kilograms(KG)	15-Apr-19
0001596973	57-13-6	UREA	5	Kilograms(KG)	15-Apr-19
0001596974	57-13-6	UREA	5	Kilograms(KG)	15-Apr-19
0001596975	7693-26-7	POTASSIUM HYDRIDE 30% WT IN MINERAL OIL	75	Gram(GM)	15-Apr-19
0001596976	79-10-7	ACRYLIC ACID	3	Kilograms(KG)	15-Apr-19
V000002AC1	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	15-Apr-19
V000002AC8	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	15-Apr-19
V000002AC7	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	15-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002AC6	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	15-Apr-19
V000002AC5	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	15-Apr-19
V000002AC4	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	15-Apr-19
V000002AC0	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	15-Apr-19
V000002ABF	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	15-Apr-19
V000002ABE	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	15-Apr-19
V000002ABD	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	15-Apr-19
V000002AC3	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	15-Apr-19
V000002AC2	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	15-Apr-19
0001573503	-	CRC QD ELECTRONIC CLEANER	11	Ounces(OZ)	15-Apr-19
0001573504	-	CRC QD ELECTRONIC CLEANER	11	Ounces(OZ)	15-Apr-19
0001573505	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	15-Apr-19
0001573507	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	15-Apr-19
0001573506	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	15-Apr-19
0001418652	-	Solder Plus T4	85	Gram(GM)	15-Apr-19
0001418655	-	Solder Plus T4	85	Gram(GM)	15-Apr-19
0001418656	-	Solder Plus T4	85	Gram(GM)	15-Apr-19
0001418659	-	Solder Plus T4	85	Gram(GM)	15-Apr-19
0001418658	-	Solder Plus T4	85	Gram(GM)	15-Apr-19
0001418654	-	Solder Plus T4	85	Gram(GM)	15-Apr-19
0001418660	-	Solder Plus T4	85	Gram(GM)	15-Apr-19
0001418653	-	Solder Plus T4	85	Gram(GM)	15-Apr-19
0001418657	-	Solder Plus T4	85	Gram(GM)	15-Apr-19
0001418661	-	Solder Plus T4	85	Gram(GM)	15-Apr-19
0001418642	-	Solder Plus T6	10	Gram(GM)	15-Apr-19
0001418646	-	Solder Plus T6	10	Gram(GM)	15-Apr-19
0001418645	-	Solder Plus T6	10	Gram(GM)	15-Apr-19
0001418648	-	Solder Plus T6	10	Gram(GM)	15-Apr-19
0001418649	-	Solder Plus T6	10	Gram(GM)	15-Apr-19
0001418651	-	Solder Plus T6	10	Gram(GM)	15-Apr-19
0001418644	-	Solder Plus T6	10	Gram(GM)	15-Apr-19
0001418643	-	Solder Plus T6	10	Gram(GM)	15-Apr-19
0001418647	-	Solder Plus T6	10	Gram(GM)	15-Apr-19
0001418650	-	Solder Plus T6	10	Gram(GM)	15-Apr-19
V000002AE6	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002AE0	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002AE3	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002AE2	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002AE1	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002AE7	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002AE8	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002AE9	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002ADE	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002AEB	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002AD	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002AEC	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002AEA	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002AD4	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002AE5	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002AE4	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002AD1	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002ADF	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002AD3	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002AD5	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002AD6	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002AD7	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002AD8	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002AD9	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002ADA	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002ADB	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002ADC	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002AD2	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
0001503008	-	Rando HD 32 46 68	5	Gallon(GAL)	15-Apr-19
0001503010	-	Rando HD 32 46 68	5	Gallon(GAL)	15-Apr-19
0001503011	-	Rando HD 32 46 68	5	Gallon(GAL)	15-Apr-19
0001503009	-	Rando HD 32 46 68	5	Gallon(GAL)	15-Apr-19
V000002B00	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002AED	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002AF4	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002AEF	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002AF1	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002AF2	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002AF3	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002AFF	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002B08	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002B07	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002B06	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002B05	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002B04	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002B03	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002B02	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002AFE	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002AEE	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002AF5	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002AFD	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002AFC	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002AFB	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002AFA	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002AF9	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002AF8	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002AF7	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002AF6	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002B01	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002AF0	-	ARDEX FEATHER FINISH	10	Pounds(LB)	15-Apr-19
V000002B0D	-	Cote All 340 J.D. (Safety) Yellow	1	Gallon(GAL)	15-Apr-19
V000002B0C	-	Cote All 340 J.D. (Safety) Yellow	1	Gallon(GAL)	15-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002B0B	-	Cote All 340 J.D. (Safety) Yellow	1	Gallon(GAL)	15-Apr-19
V000002B0A	-	Cote All 340 J.D. (Safety) Yellow	1	Gallon(GAL)	15-Apr-19
V000002B09	-	Cote All 340 J.D. (Safety) Yellow	1	Gallon(GAL)	15-Apr-19
0001503018	-	BIN PRIMER SEALER	1	Gallon(GAL)	15-Apr-19
0001503020	-	BIN PRIMER SEALER	1	Gallon(GAL)	15-Apr-19
0001503025	-	BIN PRIMER SEALER	1	Gallon(GAL)	15-Apr-19
0001503024	-	BIN PRIMER SEALER	1	Gallon(GAL)	15-Apr-19
0001503023	-	BIN PRIMER SEALER	1	Gallon(GAL)	15-Apr-19
0001503021	-	BIN PRIMER SEALER	1	Gallon(GAL)	15-Apr-19
0001503019	-	BIN PRIMER SEALER	1	Gallon(GAL)	15-Apr-19
0001503022	-	BIN PRIMER SEALER	1	Gallon(GAL)	15-Apr-19
V000002B17	-	Zinsser BULLS EYE 1-2-3	1	Gallon(GAL)	15-Apr-19
V000002B16	-	Zinsser BULLS EYE 1-2-3	1	Gallon(GAL)	15-Apr-19
V000002B15	-	Zinsser BULLS EYE 1-2-3	1	Gallon(GAL)	15-Apr-19
V000002B14	-	Zinsser BULLS EYE 1-2-3	1	Gallon(GAL)	15-Apr-19
V000002B13	-	Zinsser BULLS EYE 1-2-3	1	Gallon(GAL)	15-Apr-19
V000002B12	-	Zinsser BULLS EYE 1-2-3	1	Gallon(GAL)	15-Apr-19
V000002B11	-	Zinsser BULLS EYE 1-2-3	1	Gallon(GAL)	15-Apr-19
V000002B10	-	Zinsser BULLS EYE 1-2-3	1	Gallon(GAL)	15-Apr-19
V000002B0E	-	Zinsser BULLS EYE 1-2-3	1	Gallon(GAL)	15-Apr-19
V000002B0F	-	Zinsser BULLS EYE 1-2-3	1	Gallon(GAL)	15-Apr-19
V000002B18	-	Cote All Gloss Jet Black	1	Gallon(GAL)	15-Apr-19
V000002B19	-	Cote All Gloss Jet Black	1	Gallon(GAL)	15-Apr-19
V000002B1A	-	Cote All Gloss Jet Black	1	Gallon(GAL)	15-Apr-19
V000002B1B	-	Cote All Gloss Jet Black	1	Gallon(GAL)	15-Apr-19
V000002B1C	-	Cote All Gloss Jet Black	1	Gallon(GAL)	15-Apr-19
0001422733	-	DCA-4 SUPPLEMENTAL COOLANT ADDITIVE	16	Ounces(OZ)	15-Apr-19
0001422734	-	DCA-4 SUPPLEMENTAL COOLANT ADDITIVE	16	Ounces(OZ)	15-Apr-19
0001422736	-	DCA-4 SUPPLEMENTAL COOLANT ADDITIVE	16	Ounces(OZ)	15-Apr-19
0001422735	-	DCA-4 SUPPLEMENTAL COOLANT ADDITIVE	16	Ounces(OZ)	15-Apr-19
V000002B26	-	PSX 700 pearl gray resin	1	Gallon(GAL)	15-Apr-19
V000002B36	-	PSX 700 pearl gray resin	1	Gallon(GAL)	15-Apr-19
V000002B1D	-	PSX 700 pearl gray resin	1	Gallon(GAL)	15-Apr-19
V000002B1E	-	PSX 700 pearl gray resin	1	Gallon(GAL)	15-Apr-19
V000002B1F	-	PSX 700 pearl gray resin	1	Gallon(GAL)	15-Apr-19
V000002B20	-	PSX 700 pearl gray resin	1	Gallon(GAL)	15-Apr-19
V000002B21	-	PSX 700 pearl gray resin	1	Gallon(GAL)	15-Apr-19
V000002B22	-	PSX 700 pearl gray resin	1	Gallon(GAL)	15-Apr-19
V000002B23	-	PSX 700 pearl gray resin	1	Gallon(GAL)	15-Apr-19
V000002B2C	-	PSX 700 pearl gray resin	1	Gallon(GAL)	15-Apr-19
V000002B33	-	PSX 700 pearl gray resin	1	Gallon(GAL)	15-Apr-19
V000002B32	-	PSX 700 pearl gray resin	1	Gallon(GAL)	15-Apr-19
V000002B31	-	PSX 700 pearl gray resin	1	Gallon(GAL)	15-Apr-19
V000002B30	-	PSX 700 pearl gray resin	1	Gallon(GAL)	15-Apr-19
V000002B2F	-	PSX 700 pearl gray resin	1	Gallon(GAL)	15-Apr-19
V000002B24	-	PSX 700 pearl gray resin	1	Gallon(GAL)	15-Apr-19
V000002B2D	-	PSX 700 pearl gray resin	1	Gallon(GAL)	15-Apr-19
V000002B25	-	PSX 700 pearl gray resin	1	Gallon(GAL)	15-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002B2B	-	PSX 700 pearl gray resin	1	Gallon(GAL)	15-Apr-19
V000002B2A	-	PSX 700 pearl gray resin	1	Gallon(GAL)	15-Apr-19
V000002B29	-	PSX 700 pearl gray resin	1	Gallon(GAL)	15-Apr-19
V000002B28	-	PSX 700 pearl gray resin	1	Gallon(GAL)	15-Apr-19
V000002B27	-	PSX 700 pearl gray resin	1	Gallon(GAL)	15-Apr-19
V000002B38	-	PSX 700 pearl gray resin	1	Gallon(GAL)	15-Apr-19
V000002B2E	-	PSX 700 pearl gray resin	1	Gallon(GAL)	15-Apr-19
V000002B35	-	PSX 700 pearl gray resin	1	Gallon(GAL)	15-Apr-19
V000002B37	-	PSX 700 pearl gray resin	1	Gallon(GAL)	15-Apr-19
V000002B34	-	PSX 700 pearl gray resin	1	Gallon(GAL)	15-Apr-19
0001422729	-	50/50 PREDILLUTED ANTI-FREEZE COOLANT	1	Gallon(GAL)	15-Apr-19
0001422732	-	50/50 PREDILLUTED ANTI-FREEZE COOLANT	1	Gallon(GAL)	15-Apr-19
0001422731	-	50/50 PREDILLUTED ANTI-FREEZE COOLANT	1	Gallon(GAL)	15-Apr-19
0001422730	-	50/50 PREDILLUTED ANTI-FREEZE COOLANT	1	Gallon(GAL)	15-Apr-19
0001422727	-	VALVOLINE PREMIUM BLUE HD DIESEL OIL 15W-	1	Gallon(GAL)	15-Apr-19
0001422726	-	VALVOLINE PREMIUM BLUE HD DIESEL OIL 15W-	1	Gallon(GAL)	15-Apr-19
0001422725	-	VALVOLINE PREMIUM BLUE HD DIESEL OIL 15W-	1	Gallon(GAL)	15-Apr-19
0001422728	-	VALVOLINE PREMIUM BLUE HD DIESEL OIL 15W-	1	Gallon(GAL)	15-Apr-19
0001502954	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502927	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502928	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502929	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502930	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502931	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502932	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502933	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502935	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502924	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502936	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502937	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502934	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502938	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502925	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502943	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502923	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502922	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502921	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502920	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502919	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502918	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502917	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502916	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502915	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502914	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502926	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502912	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502913	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502902	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001502903	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502904	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502905	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502906	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502907	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502908	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502909	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502941	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502911	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502939	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502952	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502951	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502950	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502949	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502948	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502947	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502946	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502945	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502944	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502942	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502940	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502910	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001503002	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502994	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502982	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502983	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502984	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502985	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502986	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502987	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502988	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502989	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502990	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502991	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502981	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502993	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001503003	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502995	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502996	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502997	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502998	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502999	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001503001	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502955	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001503004	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001503000	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001503006	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001503007	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001502992	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502964	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001503005	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502957	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502958	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502959	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502960	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502961	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502980	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502963	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502956	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502965	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502966	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502967	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502976	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502979	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502962	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502977	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502968	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502975	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502974	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502973	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502972	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502971	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502970	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502969	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001502978	497-19-8	SODIUM CARBONATE (SODA ASH)	50	Pounds(LB)	16-Apr-19
0001433488	-	NOKORODE AQUA FLUX	16	Ounces(OZ)	16-Apr-19
0001433489	-	NOKORODE AQUA FLUX	16	Ounces(OZ)	16-Apr-19
0001433490	-	NOKORODE REGULAR PASTE FLUX	16	Ounces(OZ)	16-Apr-19
0001433491	-	NOKORODE REGULAR PASTE FLUX	16	Ounces(OZ)	16-Apr-19
0001433492	-	silvabrite 100	1	Pounds(LB)	16-Apr-19
0001433495	-	silvabrite 100	1	Pounds(LB)	16-Apr-19
0001433496	-	silvabrite 100	1	Pounds(LB)	16-Apr-19
0001433493	-	silvabrite 100	1	Pounds(LB)	16-Apr-19
0001433494	-	silvabrite 100	1	Pounds(LB)	16-Apr-19
0001433479	-	ELECTRODE STORAGE SOLUTION	500	Milliliter(ML)	16-Apr-19
0001433481	-	ELECTRODE STORAGE SOLUTION	500	Milliliter(ML)	16-Apr-19
0001433482	-	ELECTRODE STORAGE SOLUTION	500	Milliliter(ML)	16-Apr-19
0001433483	-	ELECTRODE STORAGE SOLUTION	500	Milliliter(ML)	16-Apr-19
0001433484	-	ELECTRODE STORAGE SOLUTION	500	Milliliter(ML)	16-Apr-19
0001433485	-	ELECTRODE STORAGE SOLUTION	500	Milliliter(ML)	16-Apr-19
0001433486	-	ELECTRODE STORAGE SOLUTION	500	Milliliter(ML)	16-Apr-19
0001433480	-	ELECTRODE STORAGE SOLUTION	500	Milliliter(ML)	16-Apr-19
0001433475	-	ELECTRODE STORAGE SOLUTION	500	Milliliter(ML)	16-Apr-19
0001433477	-	ELECTRODE STORAGE SOLUTION	500	Milliliter(ML)	16-Apr-19
0001433478	-	ELECTRODE STORAGE SOLUTION	500	Milliliter(ML)	16-Apr-19
0001433476	-	ELECTRODE STORAGE SOLUTION	500	Milliliter(ML)	16-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001433540	-	MOLYBDOVANADATE REAGENT	1	Liters(L)	16-Apr-19
0001433541	-	MOLYBDOVANADATE REAGENT	1	Liters(L)	16-Apr-19
0001433542	-	MOLYBDOVANADATE REAGENT	1	Liters(L)	16-Apr-19
0001433545	-	MOLYBDOVANADATE REAGENT	1	Liters(L)	16-Apr-19
0001433544	-	MOLYBDOVANADATE REAGENT	1	Liters(L)	16-Apr-19
0001433543	-	MOLYBDOVANADATE REAGENT	1	Liters(L)	16-Apr-19
0001433487	-	Megaloc	0.5	Pint(PT)	16-Apr-19
0001433515	-	HERCULES CRYOTEK	5	Gallon(GAL)	16-Apr-19
0001433518	-	HERCULES CRYOTEK	5	Gallon(GAL)	16-Apr-19
0001433524	-	HERCULES CRYOTEK	5	Gallon(GAL)	16-Apr-19
0001433523	-	HERCULES CRYOTEK	5	Gallon(GAL)	16-Apr-19
0001433522	-	HERCULES CRYOTEK	5	Gallon(GAL)	16-Apr-19
0001433521	-	HERCULES CRYOTEK	5	Gallon(GAL)	16-Apr-19
0001433516	-	HERCULES CRYOTEK	5	Gallon(GAL)	16-Apr-19
0001433520	-	HERCULES CRYOTEK	5	Gallon(GAL)	16-Apr-19
0001433517	-	HERCULES CRYOTEK	5	Gallon(GAL)	16-Apr-19
0001433519	-	HERCULES CRYOTEK	5	Gallon(GAL)	16-Apr-19
0001433497	-	PURPLE PRIMER	1	Liters(L)	16-Apr-19
0001433498	-	Hercules PVC plastic pipe cement (clear med	1	Quarts(QT)	16-Apr-19
0001433499	-	silvabrite 100	1	Pounds(LB)	16-Apr-19
0001433500	-	silvabrite 100	1	Pounds(LB)	16-Apr-19
0001433501	-	silvabrite 100	1	Pounds(LB)	16-Apr-19
0001433502	-	silvabrite 100	1	Pounds(LB)	16-Apr-19
0001433503	-	NOKORODE REGULAR PASTE FLUX	1.7	Ounces(OZ)	16-Apr-19
0001433513	-	NOKORODE REGULAR PASTE FLUX	1.7	Ounces(OZ)	16-Apr-19
0001433504	-	NOKORODE REGULAR PASTE FLUX	1.7	Ounces(OZ)	16-Apr-19
0001433509	-	NOKORODE REGULAR PASTE FLUX	1.7	Ounces(OZ)	16-Apr-19
0001433508	-	NOKORODE REGULAR PASTE FLUX	1.7	Ounces(OZ)	16-Apr-19
0001433507	-	NOKORODE REGULAR PASTE FLUX	1.7	Ounces(OZ)	16-Apr-19
0001433506	-	NOKORODE REGULAR PASTE FLUX	1.7	Ounces(OZ)	16-Apr-19
0001433514	-	NOKORODE REGULAR PASTE FLUX	1.7	Ounces(OZ)	16-Apr-19
0001433505	-	NOKORODE REGULAR PASTE FLUX	1.7	Ounces(OZ)	16-Apr-19
0001433510	-	NOKORODE REGULAR PASTE FLUX	1.7	Ounces(OZ)	16-Apr-19
0001433511	-	NOKORODE REGULAR PASTE FLUX	1.7	Ounces(OZ)	16-Apr-19
0001433512	-	NOKORODE REGULAR PASTE FLUX	1.7	Ounces(OZ)	16-Apr-19
0001433525	-	HERCULES PURPLE PVC PRIMER	1	Pint(PT)	16-Apr-19
0001433526	-	Hercules PVC plastic pipe cement (clear med	1	Quarts(QT)	16-Apr-19
0001433531	-	silvabrite 100	1	Pounds(LB)	16-Apr-19
0001433532	-	silvabrite 100	1	Pounds(LB)	16-Apr-19
0001433533	-	NOKORODE REGULAR PASTE FLUX	1	Pint(PT)	16-Apr-19
0001433527	-	Mainline Purple Low VOC Primer for PVC and	1	Quarts(QT)	16-Apr-19
0001433528	-	HERCULES PLASTIC PIPE CEMENT (ABS LOW VOC)	1	Quarts(QT)	16-Apr-19
0001433529	-	C-3S	1	Gallon(GAL)	16-Apr-19
0001433530	-	C-3S	1	Gallon(GAL)	16-Apr-19
0001433546	-	Bridgit Lead Free Solder	1	Pounds(LB)	16-Apr-19
0001433547	-	Bridgit Lead Free Solder	1	Pounds(LB)	16-Apr-19
0001433534	-	FOAM SEALANT	50	Milliliter(ML)	16-Apr-19
0001433536	-	FOAM SEALANT	50	Milliliter(ML)	16-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001433535	-	FOAM SEALANT	50	Milliliter(ML)	16-Apr-19
0001433537	-	FOAM SEALANT	50	Milliliter(ML)	16-Apr-19
0001433538	-	FOAM SEALANT	50	Milliliter(ML)	16-Apr-19
0001433539	-	FOAM SEALANT	50	Milliliter(ML)	16-Apr-19
0001433612	-	Tru-Blue Thread Sealant	1.75	Ounces(OZ)	16-Apr-19
0001433616	-	Tru-Blue Thread Sealant	1.75	Ounces(OZ)	16-Apr-19
0001433615	-	Tru-Blue Thread Sealant	1.75	Ounces(OZ)	16-Apr-19
0001433614	-	Tru-Blue Thread Sealant	1.75	Ounces(OZ)	16-Apr-19
0001433613	-	Tru-Blue Thread Sealant	1.75	Ounces(OZ)	16-Apr-19
0001433548	-	Oatey All Purpose Cement	1	Pint(PT)	16-Apr-19
0001433549	-	Oatey All Purpose Cement	1	Pint(PT)	16-Apr-19
0001433550	-	Oatey Industrial Grade Clear Primer	1	Pint(PT)	16-Apr-19
0001433554	-	Oatey Industrial Grade Clear Primer	1	Pint(PT)	16-Apr-19
0001433563	-	Oatey Industrial Grade Clear Primer	1	Pint(PT)	16-Apr-19
0001433556	-	Oatey Industrial Grade Clear Primer	1	Pint(PT)	16-Apr-19
0001433564	-	Oatey Industrial Grade Clear Primer	1	Pint(PT)	16-Apr-19
0001433557	-	Oatey Industrial Grade Clear Primer	1	Pint(PT)	16-Apr-19
0001433565	-	Oatey Industrial Grade Clear Primer	1	Pint(PT)	16-Apr-19
0001433566	-	Oatey Industrial Grade Clear Primer	1	Pint(PT)	16-Apr-19
0001433558	-	Oatey Industrial Grade Clear Primer	1	Pint(PT)	16-Apr-19
0001433559	-	Oatey Industrial Grade Clear Primer	1	Pint(PT)	16-Apr-19
0001433560	-	Oatey Industrial Grade Clear Primer	1	Pint(PT)	16-Apr-19
0001433555	-	Oatey Industrial Grade Clear Primer	1	Pint(PT)	16-Apr-19
0001433567	-	Oatey Industrial Grade Clear Primer	1	Pint(PT)	16-Apr-19
0001433553	-	Oatey Industrial Grade Clear Primer	1	Pint(PT)	16-Apr-19
0001433562	-	Oatey Industrial Grade Clear Primer	1	Pint(PT)	16-Apr-19
0001433552	-	Oatey Industrial Grade Clear Primer	1	Pint(PT)	16-Apr-19
0001433573	-	Oatey Industrial Grade Clear Primer	1	Pint(PT)	16-Apr-19
0001433570	-	Oatey Industrial Grade Clear Primer	1	Pint(PT)	16-Apr-19
0001433568	-	Oatey Industrial Grade Clear Primer	1	Pint(PT)	16-Apr-19
0001433569	-	Oatey Industrial Grade Clear Primer	1	Pint(PT)	16-Apr-19
0001433551	-	Oatey Industrial Grade Clear Primer	1	Pint(PT)	16-Apr-19
0001433572	-	Oatey Industrial Grade Clear Primer	1	Pint(PT)	16-Apr-19
0001433571	-	Oatey Industrial Grade Clear Primer	1	Pint(PT)	16-Apr-19
0001433561	-	Oatey Industrial Grade Clear Primer	1	Pint(PT)	16-Apr-19
0001433574	-	Oatey EP42 Lo VOC CPVC Heavy Duty Industrial	1	Pint(PT)	16-Apr-19
0001433590	-	Oatey EP42 Lo VOC CPVC Heavy Duty Industrial	1	Pint(PT)	16-Apr-19
0001433591	-	Oatey EP42 Lo VOC CPVC Heavy Duty Industrial	1	Pint(PT)	16-Apr-19
0001433593	-	Oatey EP42 Lo VOC CPVC Heavy Duty Industrial	1	Pint(PT)	16-Apr-19
0001433578	-	Oatey EP42 Lo VOC CPVC Heavy Duty Industrial	1	Pint(PT)	16-Apr-19
0001433594	-	Oatey EP42 Lo VOC CPVC Heavy Duty Industrial	1	Pint(PT)	16-Apr-19
0001433595	-	Oatey EP42 Lo VOC CPVC Heavy Duty Industrial	1	Pint(PT)	16-Apr-19
0001433596	-	Oatey EP42 Lo VOC CPVC Heavy Duty Industrial	1	Pint(PT)	16-Apr-19
0001433597	-	Oatey EP42 Lo VOC CPVC Heavy Duty Industrial	1	Pint(PT)	16-Apr-19
0001433592	-	Oatey EP42 Lo VOC CPVC Heavy Duty Industrial	1	Pint(PT)	16-Apr-19
0001433583	-	Oatey EP42 Lo VOC CPVC Heavy Duty Industrial	1	Pint(PT)	16-Apr-19
0001433576	-	Oatey EP42 Lo VOC CPVC Heavy Duty Industrial	1	Pint(PT)	16-Apr-19
0001433588	-	Oatey EP42 Lo VOC CPVC Heavy Duty Industrial	1	Pint(PT)	16-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001433587	-	Oatey EP42 Lo VOC CPVC Heavy Duty Industrial	1	Pint(PT)	16-Apr-19
0001433586	-	Oatey EP42 Lo VOC CPVC Heavy Duty Industrial	1	Pint(PT)	16-Apr-19
0001433575	-	Oatey EP42 Lo VOC CPVC Heavy Duty Industrial	1	Pint(PT)	16-Apr-19
0001433584	-	Oatey EP42 Lo VOC CPVC Heavy Duty Industrial	1	Pint(PT)	16-Apr-19
0001433589	-	Oatey EP42 Lo VOC CPVC Heavy Duty Industrial	1	Pint(PT)	16-Apr-19
0001433582	-	Oatey EP42 Lo VOC CPVC Heavy Duty Industrial	1	Pint(PT)	16-Apr-19
0001433581	-	Oatey EP42 Lo VOC CPVC Heavy Duty Industrial	1	Pint(PT)	16-Apr-19
0001433580	-	Oatey EP42 Lo VOC CPVC Heavy Duty Industrial	1	Pint(PT)	16-Apr-19
0001433579	-	Oatey EP42 Lo VOC CPVC Heavy Duty Industrial	1	Pint(PT)	16-Apr-19
0001433577	-	Oatey EP42 Lo VOC CPVC Heavy Duty Industrial	1	Pint(PT)	16-Apr-19
0001433585	-	Oatey EP42 Lo VOC CPVC Heavy Duty Industrial	1	Pint(PT)	16-Apr-19
0001433598	-	Hercules PVC plastic pipe cement (clear med	1	Pint(PT)	16-Apr-19
0001433599	-	Hercules PVC plastic pipe cement (clear med	1	Pint(PT)	16-Apr-19
0001433600	-	Hercules PVC plastic pipe cement (clear med	1	Pint(PT)	16-Apr-19
0001433601	-	HERCULES PURPLE PVC PRIMER	1	Pint(PT)	16-Apr-19
0001433602	-	HERCULES PURPLE PVC PRIMER	1	Pint(PT)	16-Apr-19
0001433603	-	HERCULES PURPLE PVC PRIMER	1	Pint(PT)	16-Apr-19
0001433604	-	NOKORODE REGULAR PASTE FLUX	1	Pint(PT)	16-Apr-19
0001433606	-	NOKORODE REGULAR PASTE FLUX	1	Pint(PT)	16-Apr-19
0001433607	-	NOKORODE REGULAR PASTE FLUX	1	Pint(PT)	16-Apr-19
0001433605	-	NOKORODE REGULAR PASTE FLUX	1	Pint(PT)	16-Apr-19
0001433608	-	NOKORODE AQUA FLUX	1	Pint(PT)	16-Apr-19
0001433611	-	NOKORODE AQUA FLUX	1	Pint(PT)	16-Apr-19
0001433610	-	NOKORODE AQUA FLUX	1	Pint(PT)	16-Apr-19
0001433609	-	NOKORODE AQUA FLUX	1	Pint(PT)	16-Apr-19
0001596322	-	XIAMETER AFE-1510	5	Gallon(GAL)	16-Apr-19
0001596323	-	XIAMETER AFE-1510	5	Gallon(GAL)	16-Apr-19
0001596324	-	XIAMETER AFE-1510	5	Gallon(GAL)	16-Apr-19
0001596325	-	XIAMETER AFE-1510	5	Gallon(GAL)	16-Apr-19
0001596326	-	XIAMETER AFE-1510	5	Gallon(GAL)	16-Apr-19
0001596532	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	Milliliter(ML)	16-Apr-19
0001596539	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	Milliliter(ML)	16-Apr-19
0001596538	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	Milliliter(ML)	16-Apr-19
0001596537	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	Milliliter(ML)	16-Apr-19
0001596536	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	Milliliter(ML)	16-Apr-19
0001596540	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	Milliliter(ML)	16-Apr-19
0001596534	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	Milliliter(ML)	16-Apr-19
0001596541	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	Milliliter(ML)	16-Apr-19
0001596533	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	Milliliter(ML)	16-Apr-19
0001596535	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	Milliliter(ML)	16-Apr-19
0001596542	7778-74-7	POTASSIUM PERCHLORATE	1	Pounds(LB)	16-Apr-19
0001596544	7778-74-7	POTASSIUM PERCHLORATE	1	Pounds(LB)	16-Apr-19
0001596545	7778-74-7	POTASSIUM PERCHLORATE	1	Pounds(LB)	16-Apr-19
0001596546	7778-74-7	POTASSIUM PERCHLORATE	1	Pounds(LB)	16-Apr-19
0001596543	7778-74-7	POTASSIUM PERCHLORATE	1	Pounds(LB)	16-Apr-19
0001596977	1070-89-9	SODIUM (BISTRIMETHYLSILYL) AMIDE	100	Milliliter(ML)	16-Apr-19
0001596978	1070-89-9	SODIUM (BISTRIMETHYLSILYL) AMIDE	100	Milliliter(ML)	16-Apr-19
0001596979	13814-96-5	Lead(II) tetrafluoroborate solution	1	Kilograms(KG)	16-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001596980	16872-11-0	TETRAFLUOROBORIC ACID LIQUID 48%	500	Gram(GM)	16-Apr-19
0001596981	15878-77-0	PRASEODYMIUM(III) NITRATE HEXHYDRATE	10	Gram(GM)	16-Apr-19
0001596982	94219-55-33	Gadolinium Nitrate	25	Gram(GM)	16-Apr-19
0001596983	10031-49-9	Dysprosium(III) nitrate pentahydrate	25	Gram(GM)	16-Apr-19
0001596984	14483-18-2	HOLMIUM(III) NITRATE PENTAHYDRATE	10	Gram(GM)	16-Apr-19
0001596985	-	TEVA RESIN	100	Milliliter(ML)	16-Apr-19
0001596986	13813-45-1	LUTETIUM(III) IODIDE	1	Gram(GM)	16-Apr-19
0001596987	67-64-1	ACETONE REAGENT ACS	4	Liters(L)	16-Apr-19
0001596988	67-64-1	ACETONE REAGENT ACS	4	Liters(L)	16-Apr-19
0001596989	143-10-2	N-DECYL MERCAPTAN	500	Milliliter(ML)	16-Apr-19
0001596990	-	STRONTIUM STANDARD 10 000	125	Milliliter(ML)	16-Apr-19
0001597063	57-13-6	UREA REAGENT ACS	500	Gram(GM)	16-Apr-19
0001597067	57-13-6	UREA REAGENT ACS	500	Gram(GM)	16-Apr-19
0001597066	57-13-6	UREA REAGENT ACS	500	Gram(GM)	16-Apr-19
0001597065	57-13-6	UREA REAGENT ACS	500	Gram(GM)	16-Apr-19
0001597064	57-13-6	UREA REAGENT ACS	500	Gram(GM)	16-Apr-19
0001597068	2984-50-1	1 2-EPOXYOCTANE	25	Milliliter(ML)	16-Apr-19
0001597069	2984-50-1	1 2-EPOXYOCTANE	25	Milliliter(ML)	16-Apr-19
0001597070	67-63-0	ISOPROPANOL (2-PROPANOL)	1	Liters(L)	16-Apr-19
0001597071	67-63-0	ISOPROPANOL (2-PROPANOL)	1	Liters(L)	16-Apr-19
0001597072	108-88-3	TOLUENE	1	Liters(L)	16-Apr-19
0001597073	937-14-4	3-CHLOROPEROXYBENZOIC ACID	100	Gram(GM)	16-Apr-19
0001503026	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	16-Apr-19
0001503027	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	16-Apr-19
0001503030	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	16-Apr-19
0001503028	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	16-Apr-19
0001503029	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	16-Apr-19
0001503031	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	16-Apr-19
0001503032	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	16-Apr-19
0001503033	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	16-Apr-19
0001503035	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	16-Apr-19
0001503036	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	16-Apr-19
0001503037	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	16-Apr-19
0001503034	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	16-Apr-19
0001503092	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503096	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503101	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503094	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503102	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503100	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503099	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503098	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503097	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503095	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503093	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503103	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
V000002B51	-	ARDEX FEATHER FINISH	10	Pounds(LB)	16-Apr-19
V000002B4A	-	ARDEX FEATHER FINISH	10	Pounds(LB)	16-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002B4B	-	ARDEX FEATHER FINISH	10	Pounds(LB)	16-Apr-19
V000002B4C	-	ARDEX FEATHER FINISH	10	Pounds(LB)	16-Apr-19
V000002B4D	-	ARDEX FEATHER FINISH	10	Pounds(LB)	16-Apr-19
V000002B4E	-	ARDEX FEATHER FINISH	10	Pounds(LB)	16-Apr-19
V000002B4F	-	ARDEX FEATHER FINISH	10	Pounds(LB)	16-Apr-19
V000002B50	-	ARDEX FEATHER FINISH	10	Pounds(LB)	16-Apr-19
V000002B52	-	ARDEX FEATHER FINISH	10	Pounds(LB)	16-Apr-19
V000002B53	-	ARDEX FEATHER FINISH	10	Pounds(LB)	16-Apr-19
V000002B49	-	ARDEX FEATHER FINISH	10	Pounds(LB)	16-Apr-19
V000002B54	-	ARDEX FEATHER FINISH	10	Pounds(LB)	16-Apr-19
V000002B56	-	HENRY 440 Cove Base Adhesive	4	Gallon(GAL)	16-Apr-19
V000002B55	-	HENRY 440 Cove Base Adhesive	4	Gallon(GAL)	16-Apr-19
V000002B57	-	HENRY 440 Cove Base Adhesive	4	Gallon(GAL)	16-Apr-19
V000002B58	-	HENRY 440 Cove Base Adhesive	4	Gallon(GAL)	16-Apr-19
V000002B59	-	HENRY 440 Cove Base Adhesive	4	Gallon(GAL)	16-Apr-19
0001503109	-	PLAZA PLUS Sealer/Finish	5	Gallon(GAL)	16-Apr-19
0001503110	-	PLAZA PLUS Sealer/Finish	5	Gallon(GAL)	16-Apr-19
0001503111	-	PLAZA PLUS Sealer/Finish	5	Gallon(GAL)	16-Apr-19
0001503112	-	PLAZA PLUS Sealer/Finish	5	Gallon(GAL)	16-Apr-19
0001503113	-	PLAZA PLUS Sealer/Finish	5	Gallon(GAL)	16-Apr-19
0001503114	-	PLAZA PLUS Sealer/Finish	5	Gallon(GAL)	16-Apr-19
0001503115	-	PLAZA PLUS Sealer/Finish	5	Gallon(GAL)	16-Apr-19
0001597074	-	EGC III MSA EluGen Methanesulfonic Acid	1	Liters(L)	16-Apr-19
0001597075	-	EGC III MSA EluGen Methanesulfonic Acid	1	Liters(L)	16-Apr-19
V000002BBB	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BB6	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B91	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B90	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B8F	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B8E	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B8D	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B8C	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B8B	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BB7	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BB8	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B93	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BBA	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B94	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BBC	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BBD	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BAE	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BAF	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BB0	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B5E	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BB1	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B5F	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BB2	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BB9	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002BA0	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BAC	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BAB	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BAA	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BA9	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BA8	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BA7	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BA6	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BA5	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BA4	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BA3	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B92	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BA1	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B5D	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B9F	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B9E	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B9D	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B9C	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B9B	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B9A	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B99	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B98	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B97	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B96	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B95	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BA2	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B71	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B60	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B7C	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B7B	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B7A	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B79	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B78	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B77	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B76	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B75	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B74	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B7E	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B72	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B7F	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B70	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B6F	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B6E	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B6D	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B6C	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B6B	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B6A	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B69	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002B68	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B67	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B73	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B8A	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B66	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BB4	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B61	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BAD	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B62	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BB5	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B63	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B64	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B65	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B5A	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B7D	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B5C	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BB3	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B89	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B88	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B87	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B86	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B85	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B84	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B83	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B82	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B81	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B80	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002B5B	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BC5	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BC4	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BC3	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BC2	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BC1	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BBF	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BBE	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BD1	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BC0	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BCF	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BD0	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BC6	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BCE	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BCD	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BCC	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BCB	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BCA	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BC9	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BC8	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19
V000002BC7	-	RAPID ROAD REPAIR	50	Pounds(LB)	16-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002BD3	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	16-Apr-19
V000002BD6	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	16-Apr-19
V000002BD7	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	16-Apr-19
V000002BDB	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	16-Apr-19
V000002BD2	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	16-Apr-19
V000002BDA	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	16-Apr-19
V000002BD9	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	16-Apr-19
V000002BD8	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	16-Apr-19
V000002BD5	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	16-Apr-19
V000002BD4	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	16-Apr-19
0001597077	-	1650°C (3000°F) Hi-Purity Alumina Adhesive for	6	Ounces(OZ)	16-Apr-19
0001597078	-	1650°C (3000°F) Hi-Purity Alumina Adhesive for	6	Ounces(OZ)	16-Apr-19
0001503078	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	16-Apr-19
0001503089	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	16-Apr-19
0001503079	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	16-Apr-19
0001503080	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	16-Apr-19
0001503081	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	16-Apr-19
0001503082	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	16-Apr-19
0001503083	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	16-Apr-19
0001503084	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	16-Apr-19
0001503085	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	16-Apr-19
0001503086	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	16-Apr-19
0001503088	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	16-Apr-19
0001503090	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	16-Apr-19
0001503091	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	16-Apr-19
0001503087	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	16-Apr-19
0001503038	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503060	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503070	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503061	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503062	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503063	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503064	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503065	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503066	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503067	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503059	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503039	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503069	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503058	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503072	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503073	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503074	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503075	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503076	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503077	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503068	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503047	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001503057	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503040	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503041	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503042	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503043	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503044	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503071	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503046	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503048	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503049	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503050	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503051	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503052	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503053	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503054	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503055	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503056	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503045	-	PSX 700 CURE	0.2	Gallon(GAL)	16-Apr-19
0001503104	-	HENRY 430	4	Gallon(GAL)	16-Apr-19
0001503105	-	HENRY 430	4	Gallon(GAL)	16-Apr-19
0001503108	-	HENRY 430	4	Gallon(GAL)	16-Apr-19
0001503106	-	HENRY 430	4	Gallon(GAL)	16-Apr-19
0001503107	-	HENRY 430	4	Gallon(GAL)	16-Apr-19
0001386727	-	Cool 3	1	Liters(L)	17-Apr-19
0001488613	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001488614	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001488435	-	MOBIL DTE 26 HYDRAULIC OIL	5	Gallon(GAL)	17-Apr-19
0001488355	-	TRI-FLOW INDUSTRIAL LUBRICANT WITH TEFLON	3	Ounces(OZ)	17-Apr-19
0001488358	-	TRI-FLOW INDUSTRIAL LUBRICANT WITH TEFLON	3	Ounces(OZ)	17-Apr-19
0001488366	-	TRI-FLOW INDUSTRIAL LUBRICANT WITH TEFLON	3	Ounces(OZ)	17-Apr-19
0001488365	-	TRI-FLOW INDUSTRIAL LUBRICANT WITH TEFLON	3	Ounces(OZ)	17-Apr-19
0001488364	-	TRI-FLOW INDUSTRIAL LUBRICANT WITH TEFLON	3	Ounces(OZ)	17-Apr-19
0001488363	-	TRI-FLOW INDUSTRIAL LUBRICANT WITH TEFLON	3	Ounces(OZ)	17-Apr-19
0001488362	-	TRI-FLOW INDUSTRIAL LUBRICANT WITH TEFLON	3	Ounces(OZ)	17-Apr-19
0001488361	-	TRI-FLOW INDUSTRIAL LUBRICANT WITH TEFLON	3	Ounces(OZ)	17-Apr-19
0001488359	-	TRI-FLOW INDUSTRIAL LUBRICANT WITH TEFLON	3	Ounces(OZ)	17-Apr-19
0001488357	-	TRI-FLOW INDUSTRIAL LUBRICANT WITH TEFLON	3	Ounces(OZ)	17-Apr-19
0001488356	-	TRI-FLOW INDUSTRIAL LUBRICANT WITH TEFLON	3	Ounces(OZ)	17-Apr-19
0001488360	-	TRI-FLOW INDUSTRIAL LUBRICANT WITH TEFLON	3	Ounces(OZ)	17-Apr-19
0001488612	-	Ridgid Nu-Clear Thread Cutting Oil	1	Gallon(GAL)	17-Apr-19
0001488598	-	BLASOCUT 2000 Universal	5	Gallon(GAL)	17-Apr-19
0001488599	-	BLASOCUT 2000 Universal	5	Gallon(GAL)	17-Apr-19
0001488593	-	HIT-RE 500 V3	11.1	Ounces(OZ)	17-Apr-19
0001488483	-	SP-400 CORROSION INHIBITOR	16	Ounces(OZ)	17-Apr-19
0001488484	-	SP-400 CORROSION INHIBITOR	16	Ounces(OZ)	17-Apr-19
0001488594	-	HIT-RE 500 V3	11.1	Ounces(OZ)	17-Apr-19
0001488595	-	HIT-RE 500 V3	11.1	Ounces(OZ)	17-Apr-19
0001488596	-	HIT-RE 500 V3	11.1	Ounces(OZ)	17-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001488597	-	HIT-RE 500 V3	11.1	Ounces(OZ)	17-Apr-19
0001488479	-	MOBIL DTE 24 HYDRAULIC OIL	5	Gallon(GAL)	17-Apr-19
0001488480	-	MOBIL DTE 24 HYDRAULIC OIL	5	Gallon(GAL)	17-Apr-19
0001488481	-	MOBIL VELOCITE OIL NO. 3	5	Gallon(GAL)	17-Apr-19
0001488482	-	MOBIL VELOCITE OIL NO. 3	5	Gallon(GAL)	17-Apr-19
0001488583	-	MOBILUX EP-1	14	Ounces(OZ)	17-Apr-19
0001488584	-	MOBILUX EP-1	14	Ounces(OZ)	17-Apr-19
0001488589	-	MOBILUX EP-1	14	Ounces(OZ)	17-Apr-19
0001488585	-	MOBILUX EP-1	14	Ounces(OZ)	17-Apr-19
0001488586	-	MOBILUX EP-1	14	Ounces(OZ)	17-Apr-19
0001488588	-	MOBILUX EP-1	14	Ounces(OZ)	17-Apr-19
0001488590	-	MOBILUX EP-1	14	Ounces(OZ)	17-Apr-19
0001488591	-	MOBILUX EP-1	14	Ounces(OZ)	17-Apr-19
0001488592	-	MOBILUX EP-1	14	Ounces(OZ)	17-Apr-19
0001488587	-	MOBILUX EP-1	14	Ounces(OZ)	17-Apr-19
0001488485	-	Stick-Kut	15	Ounces(OZ)	17-Apr-19
0001488475	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001488477	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001488476	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001488478	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001488471	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001488474	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001488473	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001488472	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001422737	-	LUBRICANT SPRAY (WD-40)	8	Ounces(OZ)	17-Apr-19
0001422738	-	LUBRICANT SPRAY (WD-40)	8	Ounces(OZ)	17-Apr-19
0001516805	7705-08-0	FERRIC CHLORIDE	55	Gallon(GAL)	17-Apr-19
0001516806	7705-08-0	FERRIC CHLORIDE	55	Gallon(GAL)	17-Apr-19
0001596529	7440-55-3	GALLIUM METAL 99.99%	500	Gram(GM)	17-Apr-19
0001597076	350-67-4	3 5-Dichlorophenyldiazonium tetrafluoroborate	5	Gram(GM)	17-Apr-19
0001597084	3473-63-0	FORMAMIDINE ACETATE (FORMAMIDINE ACETIC	100	Gram(GM)	17-Apr-19
0001597085	3473-63-0	FORMAMIDINE ACETATE (FORMAMIDINE ACETIC	100	Gram(GM)	17-Apr-19
0001597086	112-80-1	OLEIC ACID TECHNICAL GRADE 90%	1	Liters(L)	17-Apr-19
0001503014	-	Cabot Australian Timber Oil Natural	1	Gallon(GAL)	17-Apr-19
0001503015	-	Cabot Australian Timber Oil Natural	1	Gallon(GAL)	17-Apr-19
0001597087	13114-72-2	3-METHYL-1 1-DIPHENYLUREA	5	Gram(GM)	17-Apr-19
0001503016	-	Penetrating Stain Cedar	1	Gallon(GAL)	17-Apr-19
0001503017	-	Penetrating Stain Cedar	1	Gallon(GAL)	17-Apr-19
0001597088	-	OBJET VEROBLACKPLUS RGD875	3.6	Kilograms(KG)	17-Apr-19
0001597089	-	OBJET VEROBLACKPLUS RGD875	3.6	Kilograms(KG)	17-Apr-19
0001597090	7722-84-1	SODIUM HYDROXIDE 30% SOLUTION	250	Milliliter(ML)	17-Apr-19
0001597091	5470-22-4	4-Chloropicolinic acid	100	Gram(GM)	17-Apr-19
0001597092	-	ESD Free First Contact Deluxe Kit	116	Milliliter(ML)	17-Apr-19
0001597093	-	Colorless first Contact Thinner Kit	174	Milliliter(ML)	17-Apr-19
0001597094	-	CONATHANE® EN-4 Part A Urethane Prepolymer	1	Gallon(GAL)	17-Apr-19
0001597095	-	CYTEC EN 7 PART B QT	1	Quarts(QT)	17-Apr-19
0001597096	154445-77-9	Fmoc-Arg(Pbf)-OH	500	Gram(GM)	17-Apr-19
0001597097	-	FMOC-ASN(TRT)-OH	500	Gram(GM)	17-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001597098	71989-14-5	Fmoc-Asp(OBut)-OH	500	Gram(GM)	17-Apr-19
0001597099	-	FMOC-SER(BUT)-ODHBT	500	Gram(GM)	17-Apr-19
0001597100	-	FMOC-TYR(TBU)-OH	250	Gram(GM)	17-Apr-19
0001597101	7601-90-3	PERCHLORIC ACID OPTIMA	1	Liters(L)	17-Apr-19
0001597102	7601-90-3	PERCHLORIC ACID OPTIMA	1	Liters(L)	17-Apr-19
0001597103	-	HARDMAN EXTRA-FAST SETTING EPOXY KIT	4	Ounces(OZ)	17-Apr-19
0001597104	7664-39-3	HYDROFLUORIC ACID 48%	100	Milliliter(ML)	17-Apr-19
0001597105	7664-39-3	HYDROFLUORIC ACID 48%	100	Milliliter(ML)	17-Apr-19
0055555555	-	WD-40 NON-AEROSOL	2.5	Ounces(OZ)	17-Apr-19
0001597106	62-53-3	ANILINE	100	Milliliter(ML)	17-Apr-19
0001597107	62-53-3	ANILINE	100	Milliliter(ML)	17-Apr-19
0001597108	60-24-2	2-MERCAPTOETHANOL	250	Milliliter(ML)	17-Apr-19
0001597109	7601-90-3	PERCHLORIC ACID OPTIMA	1	Liters(L)	17-Apr-19
0001597112	7601-90-3	PERCHLORIC ACID OPTIMA	1	Liters(L)	17-Apr-19
0001597111	7601-90-3	PERCHLORIC ACID OPTIMA	1	Liters(L)	17-Apr-19
0001597110	7601-90-3	PERCHLORIC ACID OPTIMA	1	Liters(L)	17-Apr-19
0001597113	26628-22-8	SODIUM AZIDE	100	Gram(GM)	17-Apr-19
0001597114	26628-22-8	SODIUM AZIDE	100	Gram(GM)	17-Apr-19
0001597115	504-29-0	2-AMINOPYRIDINE	25	Gram(GM)	17-Apr-19
0001597116	504-29-0	2-AMINOPYRIDINE	25	Gram(GM)	17-Apr-19
0001597117	7647-01-0	HYDROCHLORIC ACID (HCL HYDROGEN	500	Milliliter(ML)	17-Apr-19
0001597135	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597197	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597203	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597204	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597205	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597202	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597206	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597207	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597212	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597208	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597209	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597214	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597179	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597213	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597198	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597199	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597235	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597200	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597189	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597201	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597182	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597181	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597193	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597187	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597186	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597185	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597184	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001597183	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597180	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597224	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597232	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597231	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597211	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597192	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597210	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597229	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597234	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597230	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597153	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597188	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597228	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597227	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597221	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597225	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597215	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597223	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597191	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597196	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597195	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597194	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597233	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597222	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597220	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597219	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597218	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597217	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597216	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597226	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597145	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597149	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597164	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597163	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597162	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597161	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597160	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597159	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597158	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597157	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597156	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597155	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597150	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597147	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597148	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597144	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597143	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001597142	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597141	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597140	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597139	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597138	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597137	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597136	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597178	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597190	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597154	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597169	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597177	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597146	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597151	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597176	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597175	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597174	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597173	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597172	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597171	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597170	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597168	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597152	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597165	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597166	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597167	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597238	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597236	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597241	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597237	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597239	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597240	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001597242	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	17-Apr-19
0001422743	-	POLYREX EM ELECTRIC MOTOR BEARING GREASE	13.7	Ounces(OZ)	17-Apr-19
0001422745	-	POLYREX EM ELECTRIC MOTOR BEARING GREASE	13.7	Ounces(OZ)	17-Apr-19
0001422746	-	POLYREX EM ELECTRIC MOTOR BEARING GREASE	13.7	Ounces(OZ)	17-Apr-19
0001422747	-	POLYREX EM ELECTRIC MOTOR BEARING GREASE	13.7	Ounces(OZ)	17-Apr-19
0001422749	-	POLYREX EM ELECTRIC MOTOR BEARING GREASE	13.7	Ounces(OZ)	17-Apr-19
0001422750	-	POLYREX EM ELECTRIC MOTOR BEARING GREASE	13.7	Ounces(OZ)	17-Apr-19
0001422751	-	POLYREX EM ELECTRIC MOTOR BEARING GREASE	13.7	Ounces(OZ)	17-Apr-19
0001422752	-	POLYREX EM ELECTRIC MOTOR BEARING GREASE	13.7	Ounces(OZ)	17-Apr-19
0001422744	-	POLYREX EM ELECTRIC MOTOR BEARING GREASE	13.7	Ounces(OZ)	17-Apr-19
0001422748	-	POLYREX EM ELECTRIC MOTOR BEARING GREASE	13.7	Ounces(OZ)	17-Apr-19
0001596530	-	IQ SYBR GREEN SUPERMIX	50	Microliter	18-Apr-19
0001596554	-	EGC III KOH	970	Milliliter(ML)	18-Apr-19
0001596556	-	EGC III KOH	970	Milliliter(ML)	18-Apr-19
0001596557	-	EGC III KOH	970	Milliliter(ML)	18-Apr-19
0001596555	-	EGC III KOH	970	Milliliter(ML)	18-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001596558	-	EGC III KOH	970	Milliliter(ML)	18-Apr-19
0001597118	1155-00-6	Bis(2-nitrophenyl) disulfide	25	Gram(GM)	18-Apr-19
0001597119	603-35-0	TRIPHENYLPHOSPHINE	250	Gram(GM)	18-Apr-19
0001597120	88-75-5	2-NITROPHENOL	100	Gram(GM)	18-Apr-19
0001597121	-	STYCAST 2850FT BLACK	3	Pounds(LB)	18-Apr-19
0001597122	-	CATALYST 23LV	1	Pounds(LB)	18-Apr-19
0001597123	-	CONATHANE EN-4 PART A URETHANE	1	Gallon(GAL)	18-Apr-19
0001597124	-	CONATHANE EN-7 PART B CURATIVE	1	Quarts(QT)	18-Apr-19
0001597125	-	THREAD SEALANT W/PTFE	16	Ounces(OZ)	18-Apr-19
0001597128	-	THREAD SEALANT W/PTFE	16	Ounces(OZ)	18-Apr-19
0001597134	-	THREAD SEALANT W/PTFE	16	Ounces(OZ)	18-Apr-19
0001597126	-	THREAD SEALANT W/PTFE	16	Ounces(OZ)	18-Apr-19
0001597127	-	THREAD SEALANT W/PTFE	16	Ounces(OZ)	18-Apr-19
0001597133	-	THREAD SEALANT W/PTFE	16	Ounces(OZ)	18-Apr-19
0001597132	-	THREAD SEALANT W/PTFE	16	Ounces(OZ)	18-Apr-19
0001597131	-	THREAD SEALANT W/PTFE	16	Ounces(OZ)	18-Apr-19
0001597129	-	THREAD SEALANT W/PTFE	16	Ounces(OZ)	18-Apr-19
0001597130	-	THREAD SEALANT W/PTFE	16	Ounces(OZ)	18-Apr-19
0001597279	-	Super Lube Multi-Purpose Synthetic Grease with	0.5	Ounces(OZ)	18-Apr-19
0001597284	-	Super Lube Multi-Purpose Synthetic Grease with	0.5	Ounces(OZ)	18-Apr-19
0001597283	-	Super Lube Multi-Purpose Synthetic Grease with	0.5	Ounces(OZ)	18-Apr-19
0001597282	-	Super Lube Multi-Purpose Synthetic Grease with	0.5	Ounces(OZ)	18-Apr-19
0001597281	-	Super Lube Multi-Purpose Synthetic Grease with	0.5	Ounces(OZ)	18-Apr-19
0001597280	-	Super Lube Multi-Purpose Synthetic Grease with	0.5	Ounces(OZ)	18-Apr-19
0001597285	5188-07-8	SODIUM THIOMETHOXIDE	5	Gram(GM)	18-Apr-19
0001597286	-	XP PriElex SU-8	125	Milliliter(ML)	18-Apr-19
0001597287	10450-60-9	PERIODIC ACID (HYDRATED)	25	Gram(GM)	18-Apr-19
0001597288	-	INSTRUMENT CHECK STANDARD 6	100	Milliliter(ML)	18-Apr-19
0001597289	-	INSTRUMENT CHECK STANDARD 6	100	Milliliter(ML)	18-Apr-19
0001597290	598-82-3	DL-LACTIC ACID	100	Gram(GM)	18-Apr-19
0001597291	12125-02-9	AMMONIUM CHLORIDE	300	Gram(GM)	18-Apr-19
0001597292	-	2-TON CLEAR EPOXY	25	Milliliter(ML)	18-Apr-19
0001597293	-	2-TON CLEAR EPOXY	25	Milliliter(ML)	18-Apr-19
0001597294	-	2-TON CLEAR EPOXY	25	Milliliter(ML)	18-Apr-19
0001597297	7664-39-3	HYDROFLUORIC ACID OPTIMA	500	Milliliter(ML)	18-Apr-19
0001597302	7664-39-3	HYDROFLUORIC ACID OPTIMA	500	Milliliter(ML)	18-Apr-19
0001597301	7664-39-3	HYDROFLUORIC ACID OPTIMA	500	Milliliter(ML)	18-Apr-19
0001597298	7664-39-3	HYDROFLUORIC ACID OPTIMA	500	Milliliter(ML)	18-Apr-19
0001597299	7664-39-3	HYDROFLUORIC ACID OPTIMA	500	Milliliter(ML)	18-Apr-19
0001597300	7664-39-3	HYDROFLUORIC ACID OPTIMA	500	Milliliter(ML)	18-Apr-19
0001597306	67-64-1	ACETONE FOR HPLC	4	Liters(L)	18-Apr-19
0001597307	40949-94-8	POTASSIUM BIS(TRIMETHYLSILYL)AMIDE	25	Gram(GM)	18-Apr-19
0001597308	-	DURALCO ULTRA TEMP EPOXY	0.5	Pint(PT)	18-Apr-19
0001597309	106-42-3	P-XYLENE	1	Liters(L)	18-Apr-19
0001597310	7722-64-7	POTASSIUM PERMANGANATE	500	Gram(GM)	18-Apr-19
0001597311	7580-67-8	LITHIUM HYDRIDE	5	Gram(GM)	18-Apr-19
0001597312	13587-16-1	LITHIUM DEUTERIDE	10	Gram(GM)	18-Apr-19
0001597313	71-36-3	1-BUTANOL	500	Milliliter(ML)	18-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001597314	10031-22-8	Lead(II) bromide	25	Gram(GM)	18-Apr-19
0001597315	10031-22-8	Lead(II) bromide	25	Gram(GM)	18-Apr-19
0001597316	1336-21-6	AMMONIUM HYDROXIDE	2.5	Liters(L)	18-Apr-19
0001597317	78-50-2	TRIOCTYLPHOSPHINE OXIDE	200	Gram(GM)	18-Apr-19
0001597318	1310-65-2	LITHIUM HYDROXIDE	500	Gram(GM)	18-Apr-19
0001597319	5036-48-6	1-(3-Aminopropyl)imidazole	50	Gram(GM)	18-Apr-19
0001597320	1493-13-6	TRIFLUOROMETHANE SULFONIC ACID	1	Milliliter(ML)	18-Apr-19
0001597321	78-50-2	TRIOCTYLPHOSPHINE OXIDE	100	Gram(GM)	18-Apr-19
0001597322	78-50-2	TRIOCTYLPHOSPHINE OXIDE	100	Gram(GM)	18-Apr-19
0001597323	598-02-7	Diethyl hydrogen phosphate	1	Gram(GM)	18-Apr-19
0001453592	-	ISOPROPYL ALCOHOL 91%	473	Milliliter(ML)	19-Apr-19
0001565074	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	22-Apr-19
0001565075	-	Argon UHP	220	Cubic Feet(CF)	22-Apr-19
0001565078	-	Argon UHP	220	Cubic Feet(CF)	22-Apr-19
0001565087	-	Argon UHP	220	Cubic Feet(CF)	22-Apr-19
0001565086	-	Argon UHP	220	Cubic Feet(CF)	22-Apr-19
0001565085	-	Argon UHP	220	Cubic Feet(CF)	22-Apr-19
0001565083	-	Argon UHP	220	Cubic Feet(CF)	22-Apr-19
0001565081	-	Argon UHP	220	Cubic Feet(CF)	22-Apr-19
0001565088	-	Argon UHP	220	Cubic Feet(CF)	22-Apr-19
0001565079	-	Argon UHP	220	Cubic Feet(CF)	22-Apr-19
0001565084	-	Argon UHP	220	Cubic Feet(CF)	22-Apr-19
0001565077	-	Argon UHP	220	Cubic Feet(CF)	22-Apr-19
0001565076	-	Argon UHP	220	Cubic Feet(CF)	22-Apr-19
0001565080	-	Argon UHP	220	Cubic Feet(CF)	22-Apr-19
0001565082	-	Argon UHP	220	Cubic Feet(CF)	22-Apr-19
0001565089	-	Oxygen UHP	220	Cubic Feet(CF)	22-Apr-19
0001565098	-	Oxygen UHP	220	Cubic Feet(CF)	22-Apr-19
0001565093	-	Oxygen UHP	220	Cubic Feet(CF)	22-Apr-19
0001565094	-	Oxygen UHP	220	Cubic Feet(CF)	22-Apr-19
0001565092	-	Oxygen UHP	220	Cubic Feet(CF)	22-Apr-19
0001565095	-	Oxygen UHP	220	Cubic Feet(CF)	22-Apr-19
0001565096	-	Oxygen UHP	220	Cubic Feet(CF)	22-Apr-19
0001565097	-	Oxygen UHP	220	Cubic Feet(CF)	22-Apr-19
0001565091	-	Oxygen UHP	220	Cubic Feet(CF)	22-Apr-19
0001565099	-	Oxygen UHP	220	Cubic Feet(CF)	22-Apr-19
0001565100	-	Oxygen UHP	220	Cubic Feet(CF)	22-Apr-19
0001565102	-	Oxygen UHP	220	Cubic Feet(CF)	22-Apr-19
0001565103	-	Oxygen UHP	220	Cubic Feet(CF)	22-Apr-19
0001565090	-	Oxygen UHP	220	Cubic Feet(CF)	22-Apr-19
0001565101	-	Oxygen UHP	220	Cubic Feet(CF)	22-Apr-19
0001565104	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	22-Apr-19
0001565127	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	22-Apr-19
0001565121	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	22-Apr-19
0001565122	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	22-Apr-19
0001565131	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	22-Apr-19
0001565123	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	22-Apr-19
0001565132	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	22-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001565124	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	22-Apr-19
0001565129	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	22-Apr-19
0001565126	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	22-Apr-19
0001565128	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	22-Apr-19
0001565133	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	22-Apr-19
0001565113	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	22-Apr-19
0001565120	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	22-Apr-19
0001565130	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	22-Apr-19
0001565125	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	22-Apr-19
0001565109	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	22-Apr-19
0001565105	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	22-Apr-19
0001565106	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	22-Apr-19
0001565107	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	22-Apr-19
0001565115	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	22-Apr-19
0001565119	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	22-Apr-19
0001565108	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	22-Apr-19
0001565110	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	22-Apr-19
0001565111	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	22-Apr-19
0001565112	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	22-Apr-19
0001565114	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	22-Apr-19
0001565116	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	22-Apr-19
0001565117	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	22-Apr-19
0001565118	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	22-Apr-19
0001565134	74-98-6	PROPANE	50	Cubic Feet(CF)	22-Apr-19
0001565136	74-98-6	PROPANE	50	Cubic Feet(CF)	22-Apr-19
0001565137	74-98-6	PROPANE	50	Cubic Feet(CF)	22-Apr-19
0001565139	74-98-6	PROPANE	50	Cubic Feet(CF)	22-Apr-19
0001565135	74-98-6	PROPANE	50	Cubic Feet(CF)	22-Apr-19
0001565138	74-98-6	PROPANE	50	Cubic Feet(CF)	22-Apr-19
0001565072	-	CARBON DIOXIDE IN NITROGEN	220	Cubic Feet(CF)	22-Apr-19
0001565140	7440-59-7	HELIUM	220	Cubic Feet(CF)	22-Apr-19
0001565141	7440-59-7	HELIUM	220	Cubic Feet(CF)	22-Apr-19
0001565142	7440-59-7	HELIUM	220	Cubic Feet(CF)	22-Apr-19
0001565143	-	AIR COMPRESSED	220	Cubic Feet(CF)	22-Apr-19
0001565144	7727-37-9	NITROGEN COMPRESSED GAS	20	Cubic Feet(CF)	22-Apr-19
0001565145	7727-37-9	NITROGEN COMPRESSED GAS	20	Cubic Feet(CF)	22-Apr-19
0001565153	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Apr-19
0001565151	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Apr-19
0001565150	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Apr-19
0001565149	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Apr-19
0001565148	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Apr-19
0001565146	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Apr-19
0001565155	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Apr-19
0001565154	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Apr-19
0001565147	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Apr-19
0001565169	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Apr-19
0001565156	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Apr-19
0001565157	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001565158	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Apr-19
0001565159	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Apr-19
0001565160	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Apr-19
0001565161	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Apr-19
0001565162	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Apr-19
0001565163	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Apr-19
0001565164	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Apr-19
0001565165	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Apr-19
0001565166	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Apr-19
0001565167	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Apr-19
0001565168	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Apr-19
0001565152	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	22-Apr-19
0001565170	-	Isobutane .9%/Balance Air	105	Liters(L)	22-Apr-19
0001565171	-	Isobutane .9%/Balance Air	105	Liters(L)	22-Apr-19
0001503012	-	STARTEX PAINT THINNER	1	Gallon(GAL)	22-Apr-19
0001503013	-	STARTEX PAINT THINNER	1	Gallon(GAL)	22-Apr-19
0001596550	67-64-1	ACETONE OPTIMA	4	Liters(L)	22-Apr-19
0001596551	67-64-1	ACETONE OPTIMA	4	Liters(L)	22-Apr-19
0001596552	67-64-1	ACETONE OPTIMA	4	Liters(L)	22-Apr-19
0001596553	67-64-1	ACETONE OPTIMA	4	Liters(L)	22-Apr-19
0001596806	141-78-6	ETHYL ACETATE	4	Liters(L)	22-Apr-19
0001596809	141-78-6	ETHYL ACETATE	4	Liters(L)	22-Apr-19
0001596808	141-78-6	ETHYL ACETATE	4	Liters(L)	22-Apr-19
0001596807	141-78-6	ETHYL ACETATE	4	Liters(L)	22-Apr-19
0001596810	110-54-3	HEXANES (CERTIFIED ACS)	4	Liters(L)	22-Apr-19
0001596815	110-54-3	HEXANES (CERTIFIED ACS)	4	Liters(L)	22-Apr-19
0001596811	110-54-3	HEXANES (CERTIFIED ACS)	4	Liters(L)	22-Apr-19
0001596812	110-54-3	HEXANES (CERTIFIED ACS)	4	Liters(L)	22-Apr-19
0001596813	110-54-3	HEXANES (CERTIFIED ACS)	4	Liters(L)	22-Apr-19
0001596814	110-54-3	HEXANES (CERTIFIED ACS)	4	Liters(L)	22-Apr-19
0001596816	110-54-3	HEXANES (CERTIFIED ACS)	4	Liters(L)	22-Apr-19
0001596817	110-54-3	HEXANES (CERTIFIED ACS)	4	Liters(L)	22-Apr-19
0001596818	109-99-9	TETRAHYDROFURAN	4	Liters(L)	22-Apr-19
0001596819	109-99-9	TETRAHYDROFURAN	4	Liters(L)	22-Apr-19
0001596820	109-99-9	TETRAHYDROFURAN	4	Liters(L)	22-Apr-19
0001596821	109-99-9	TETRAHYDROFURAN	4	Liters(L)	22-Apr-19
0001596906	64-19-7	ACETIC ACID GLACIAL	2.5	Liters(L)	22-Apr-19
0001596907	26628-22-8	SODIUM AZIDE	100	Gram(GM)	22-Apr-19
0001596908	112-88-9	1-OCTADECENE	1	Liters(L)	22-Apr-19
0001596916	75-09-2	METHYLENE CHLORIDE	4	Liters(L)	22-Apr-19
0001596917	75-09-2	METHYLENE CHLORIDE	4	Liters(L)	22-Apr-19
0001596918	67-56-1	METHANOL	4	Liters(L)	22-Apr-19
0001597055	7697-37-2	NITRIC ACID OPTIMA	500	Milliliter(ML)	22-Apr-19
0001597056	7697-37-2	NITRIC ACID OPTIMA	500	Milliliter(ML)	22-Apr-19
0001597243	7722-84-1	HYDROGEN PEROXIDE 30%	500	Milliliter(ML)	22-Apr-19
0001597251	7722-84-1	HYDROGEN PEROXIDE 30%	500	Milliliter(ML)	22-Apr-19
0001597250	7722-84-1	HYDROGEN PEROXIDE 30%	500	Milliliter(ML)	22-Apr-19
0001597249	7722-84-1	HYDROGEN PEROXIDE 30%	500	Milliliter(ML)	22-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001597248	7722-84-1	HYDROGEN PEROXIDE 30%	500	Milliliter(ML)	22-Apr-19
0001597247	7722-84-1	HYDROGEN PEROXIDE 30%	500	Milliliter(ML)	22-Apr-19
0001597246	7722-84-1	HYDROGEN PEROXIDE 30%	500	Milliliter(ML)	22-Apr-19
0001597245	7722-84-1	HYDROGEN PEROXIDE 30%	500	Milliliter(ML)	22-Apr-19
0001597244	7722-84-1	HYDROGEN PEROXIDE 30%	500	Milliliter(ML)	22-Apr-19
0001597264	7722-84-1	HYDROGEN PEROXIDE 30%	500	Milliliter(ML)	22-Apr-19
0001597266	7722-84-1	HYDROGEN PEROXIDE 30%	500	Milliliter(ML)	22-Apr-19
0001597259	7722-84-1	HYDROGEN PEROXIDE 30%	500	Milliliter(ML)	22-Apr-19
0001597265	7722-84-1	HYDROGEN PEROXIDE 30%	500	Milliliter(ML)	22-Apr-19
0001597253	7722-84-1	HYDROGEN PEROXIDE 30%	500	Milliliter(ML)	22-Apr-19
0001597254	7722-84-1	HYDROGEN PEROXIDE 30%	500	Milliliter(ML)	22-Apr-19
0001597255	7722-84-1	HYDROGEN PEROXIDE 30%	500	Milliliter(ML)	22-Apr-19
0001597256	7722-84-1	HYDROGEN PEROXIDE 30%	500	Milliliter(ML)	22-Apr-19
0001597257	7722-84-1	HYDROGEN PEROXIDE 30%	500	Milliliter(ML)	22-Apr-19
0001597258	7722-84-1	HYDROGEN PEROXIDE 30%	500	Milliliter(ML)	22-Apr-19
0001597252	7722-84-1	HYDROGEN PEROXIDE 30%	500	Milliliter(ML)	22-Apr-19
0001597263	7722-84-1	HYDROGEN PEROXIDE 30%	500	Milliliter(ML)	22-Apr-19
0001597262	7722-84-1	HYDROGEN PEROXIDE 30%	500	Milliliter(ML)	22-Apr-19
0001597261	7722-84-1	HYDROGEN PEROXIDE 30%	500	Milliliter(ML)	22-Apr-19
0001597260	7722-84-1	HYDROGEN PEROXIDE 30%	500	Milliliter(ML)	22-Apr-19
0001597267	67-63-0	2-PROPANOL	4	Liters(L)	22-Apr-19
0001597271	67-63-0	2-PROPANOL	4	Liters(L)	22-Apr-19
0001597268	67-63-0	2-PROPANOL	4	Liters(L)	22-Apr-19
0001597272	67-63-0	2-PROPANOL	4	Liters(L)	22-Apr-19
0001597269	67-63-0	2-PROPANOL	4	Liters(L)	22-Apr-19
0001597270	67-63-0	2-PROPANOL	4	Liters(L)	22-Apr-19
0001597273	67-63-0	2-PROPANOL	4	Liters(L)	22-Apr-19
0001597274	67-63-0	2-PROPANOL	4	Liters(L)	22-Apr-19
0001597275	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	500	Milliliter(ML)	22-Apr-19
0001597278	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	500	Milliliter(ML)	22-Apr-19
0001597276	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	500	Milliliter(ML)	22-Apr-19
0001597277	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	500	Milliliter(ML)	22-Apr-19
0001597325	9003-53-6	POLYSTYRENE	25	Gram(GM)	22-Apr-19
0001597328	9003-53-6	POLYSTYRENE	25	Gram(GM)	22-Apr-19
0001597329	9003-53-6	POLYSTYRENE	25	Gram(GM)	22-Apr-19
0001597327	9003-53-6	POLYSTYRENE	25	Gram(GM)	22-Apr-19
0001597326	9003-53-6	POLYSTYRENE	25	Gram(GM)	22-Apr-19
0001597330	462-06-6	FLUOROBENZENE	250	Gram(GM)	22-Apr-19
0001597331	-	TUNE UP SOLUTION	250	Milliliter(ML)	22-Apr-19
0001597332	7440-21-3	SILICON	100	Gram(GM)	22-Apr-19
0001597333	7647-01-0	HYDROGEN CHLORIDE	100	Milliliter(ML)	22-Apr-19
0001597334	67969-82-8	TETRAFLUOROBORIC ACID ETHER COMPLEX	25	Milliliter(ML)	22-Apr-19
0001597335	13813-45-1	LUTETIUM(III) IODIDE	5	Gram(GM)	22-Apr-19
0001597336	67-63-0	2-PROPANOL	1	Liters(L)	22-Apr-19
0001597340	67-63-0	2-PROPANOL	1	Liters(L)	22-Apr-19
0001597343	67-63-0	2-PROPANOL	1	Liters(L)	22-Apr-19
0001597341	67-63-0	2-PROPANOL	1	Liters(L)	22-Apr-19
0001597339	67-63-0	2-PROPANOL	1	Liters(L)	22-Apr-19

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001597338	67-63-0	2-PROPANOL	1	Liters(L)	22-Apr-19
0001597337	67-63-0	2-PROPANOL	1	Liters(L)	22-Apr-19
0001597342	67-63-0	2-PROPANOL	1	Liters(L)	22-Apr-19
0001597344	67-63-0	2-PROPANOL	500	Milliliter(ML)	22-Apr-19
0001597345	7647-14-5	SODIUM CHLORIDE GR (CRYSTALS)	500	Gram(GM)	22-Apr-19
0001597346	7697-37-2	NITRIC ACID TRACEMETAL	500	Milliliter(ML)	22-Apr-19
0001597347	7697-37-2	NITRIC ACID TRACEMETAL	500	Milliliter(ML)	22-Apr-19
0001597348	127-19-5	N N-DIMETHYLACETAMIDE	1	Liters(L)	22-Apr-19
0001597349	112-88-9	1-OCTADECENE	1	Liters(L)	22-Apr-19
0001597359	471-25-0	PROPIOLIC ACID	100	Gram(GM)	22-Apr-19
0001597360	471-25-0	PROPIOLIC ACID	100	Gram(GM)	22-Apr-19
0001597361	7664-93-9	SULFURIC ACID	2.5	Liters(L)	22-Apr-19
0001597362	7664-93-9	SULFURIC ACID	2.5	Liters(L)	22-Apr-19
0001597363	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597418	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597417	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597416	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597419	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597420	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597414	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597422	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597388	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597421	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597378	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597370	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597371	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597372	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597394	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597393	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597392	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597373	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597374	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597375	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597415	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597377	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597367	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597379	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597380	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597391	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597389	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597387	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597386	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597385	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597384	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597383	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597382	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597376	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597402	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001597413	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597364	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597412	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597411	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597410	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597409	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597408	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597407	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597406	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597405	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597369	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597403	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597368	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597401	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597400	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597399	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597398	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597365	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597366	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597397	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597396	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597395	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597381	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597404	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597390	811-97-2	SUPER FREINDLY AIR IT	11	Ounces(OZ)	22-Apr-19
0001597423	75-05-8	ACETONITRILE ANHYDROUS	1	Liters(L)	22-Apr-19
0001597427	75-05-8	ACETONITRILE ANHYDROUS	1	Liters(L)	22-Apr-19
0001597426	75-05-8	ACETONITRILE ANHYDROUS	1	Liters(L)	22-Apr-19
0001597425	75-05-8	ACETONITRILE ANHYDROUS	1	Liters(L)	22-Apr-19
0001597424	75-05-8	ACETONITRILE ANHYDROUS	1	Liters(L)	22-Apr-19
V000002BF5	-	PSX 700 pearl gray resin	1	Gallon(GAL)	22-Apr-19
V000002BEE	-	PSX 700 pearl gray resin	1	Gallon(GAL)	22-Apr-19
V000002BEF	-	PSX 700 pearl gray resin	1	Gallon(GAL)	22-Apr-19
V000002BF0	-	PSX 700 pearl gray resin	1	Gallon(GAL)	22-Apr-19
V000002BF1	-	PSX 700 pearl gray resin	1	Gallon(GAL)	22-Apr-19
V000002BF2	-	PSX 700 pearl gray resin	1	Gallon(GAL)	22-Apr-19
V000002BED	-	PSX 700 pearl gray resin	1	Gallon(GAL)	22-Apr-19
V000002BF4	-	PSX 700 pearl gray resin	1	Gallon(GAL)	22-Apr-19
V000002BEC	-	PSX 700 pearl gray resin	1	Gallon(GAL)	22-Apr-19
V000002BF6	-	PSX 700 pearl gray resin	1	Gallon(GAL)	22-Apr-19
V000002BF7	-	PSX 700 pearl gray resin	1	Gallon(GAL)	22-Apr-19
V000002BF8	-	PSX 700 pearl gray resin	1	Gallon(GAL)	22-Apr-19
V000002BF9	-	PSX 700 pearl gray resin	1	Gallon(GAL)	22-Apr-19
V000002BFA	-	PSX 700 pearl gray resin	1	Gallon(GAL)	22-Apr-19
V000002BFB	-	PSX 700 pearl gray resin	1	Gallon(GAL)	22-Apr-19
V000002BFC	-	PSX 700 pearl gray resin	1	Gallon(GAL)	22-Apr-19
V000002BFD	-	PSX 700 pearl gray resin	1	Gallon(GAL)	22-Apr-19
V000002BFE	-	PSX 700 pearl gray resin	1	Gallon(GAL)	22-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002BFF	-	PSX 700 pearl gray resin	1	Gallon(GAL)	22-Apr-19
V000002C00	-	PSX 700 pearl gray resin	1	Gallon(GAL)	22-Apr-19
V000002BF3	-	PSX 700 pearl gray resin	1	Gallon(GAL)	22-Apr-19
V000002BE9	-	PSX 700 pearl gray resin	1	Gallon(GAL)	22-Apr-19
V000002BEA	-	PSX 700 pearl gray resin	1	Gallon(GAL)	22-Apr-19
V000002BEB	-	PSX 700 pearl gray resin	1	Gallon(GAL)	22-Apr-19
V000002C01	-	Cote All Gloss Jet Black	1	Gallon(GAL)	22-Apr-19
V000002C03	-	Cote All Gloss Jet Black	1	Gallon(GAL)	22-Apr-19
V000002C02	-	Cote All Gloss Jet Black	1	Gallon(GAL)	22-Apr-19
V000002C08	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	22-Apr-19
V000002C09	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	22-Apr-19
V000002C07	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	22-Apr-19
V000002C06	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	22-Apr-19
V000002C05	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	22-Apr-19
V000002C04	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	22-Apr-19
0001565060	7727-37-9	NITROGEN COMPRESSED GAS	20	Cubic Feet(CF)	22-Apr-19
0001564694	74-86-2	ACETYLENE STABILIZED	230	Cubic Feet(CF)	22-Apr-19
0001597350	7647-18-9	ANTIMONY(V)-PENTACHLORIDE ANHYDROUS	50	Gram(GM)	23-Apr-19
0001597428	630-17-1	1-BROMO-2 2-DIMETHYLPROPANE	25	Gram(GM)	23-Apr-19
0001597429	920-66-1	1 1 1 3 3 3-HEXAFLUORO-2-PROPANOL	500	Gram(GM)	23-Apr-19
0001597430	7440-22-4	SILVER	25	Gram(GM)	23-Apr-19
0001597431	7440-22-4	SILVER	25	Gram(GM)	23-Apr-19
0001597432	79060-88-1	SODIUM TETRAKIS[3 5 BIS(TRIFLUOMETHYL)	100	Gram(GM)	23-Apr-19
0001597433	132705-51-2	Bromo-tris-pyrrolidino-phosphonium	100	Gram(GM)	23-Apr-19
0001597434	10031-22-8	Lead(II) bromide	25	Gram(GM)	23-Apr-19
0001597437	10031-22-8	Lead(II) bromide	25	Gram(GM)	23-Apr-19
0001597436	10031-22-8	Lead(II) bromide	25	Gram(GM)	23-Apr-19
0001597438	10031-22-8	Lead(II) bromide	25	Gram(GM)	23-Apr-19
0001597439	10031-22-8	Lead(II) bromide	25	Gram(GM)	23-Apr-19
0001597435	10031-22-8	Lead(II) bromide	25	Gram(GM)	23-Apr-19
0001597440	7447-40-7	POTASSIUM CHLORIDE CRYSTAL	500	Gram(GM)	23-Apr-19
0001597441	162881-26-7	VisiJet M3-X Plastic Material	2	Kilograms(KG)	23-Apr-19
0001597442	162881-26-7	VisiJet M3-X Plastic Material	2	Kilograms(KG)	23-Apr-19
0001597445	3296-90-0	2 2-BIS(BROMOMETHYL)-1 3-PROPANEDIOL	25	Gram(GM)	23-Apr-19
0001597446	50-81-7	L-ASCORBIC ACID	500	Gram(GM)	23-Apr-19
0001597447	7758-99-8	COPPER(II) SULFATE PENTAHYDRATE	500	Gram(GM)	23-Apr-19
0001544056	-	QUINSYN-PLUS	5	Gallon(GAL)	23-Apr-19
0001544055	-	SULLUBE COMPRESSOR FLUID	5	Gallon(GAL)	23-Apr-19
0001503116	-	Rando HD 32 46 68	5	Gallon(GAL)	23-Apr-19
0001503117	-	Rando HD 32 46 68	5	Gallon(GAL)	23-Apr-19
0001503118	-	Rando HD 32 46 68	5	Gallon(GAL)	23-Apr-19
0001503121	-	Rando HD 32 46 68	5	Gallon(GAL)	23-Apr-19
0001503120	-	Rando HD 32 46 68	5	Gallon(GAL)	23-Apr-19
0001503119	-	Rando HD 32 46 68	5	Gallon(GAL)	23-Apr-19
0001597448	460-37-7	1 1 1-Trifluoro-3-iodopropane	5	Gram(GM)	23-Apr-19
0001597449	8042-47-5	MINERAL OIL	500	Milliliter(ML)	23-Apr-19
0001597450	8042-47-5	MINERAL OIL	500	Milliliter(ML)	23-Apr-19
0001503170	-	COTE ALL WHITE BASE	1	Gallon(GAL)	23-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001503173	-	COTE ALL WHITE BASE	1	Gallon(GAL)	23-Apr-19
0001503172	-	COTE ALL WHITE BASE	1	Gallon(GAL)	23-Apr-19
0001503171	-	COTE ALL WHITE BASE	1	Gallon(GAL)	23-Apr-19
0001503174	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	23-Apr-19
0001503175	-	PSX 700 CURE US	0.2	Gallon(GAL)	23-Apr-19
0001503195	-	PSX 700 CURE US	0.2	Gallon(GAL)	23-Apr-19
0001503194	-	PSX 700 CURE US	0.2	Gallon(GAL)	23-Apr-19
0001503193	-	PSX 700 CURE US	0.2	Gallon(GAL)	23-Apr-19
0001503196	-	PSX 700 CURE US	0.2	Gallon(GAL)	23-Apr-19
0001503182	-	PSX 700 CURE US	0.2	Gallon(GAL)	23-Apr-19
0001503192	-	PSX 700 CURE US	0.2	Gallon(GAL)	23-Apr-19
0001503185	-	PSX 700 CURE US	0.2	Gallon(GAL)	23-Apr-19
0001503197	-	PSX 700 CURE US	0.2	Gallon(GAL)	23-Apr-19
0001503198	-	PSX 700 CURE US	0.2	Gallon(GAL)	23-Apr-19
0001503190	-	PSX 700 CURE US	0.2	Gallon(GAL)	23-Apr-19
0001503189	-	PSX 700 CURE US	0.2	Gallon(GAL)	23-Apr-19
0001503188	-	PSX 700 CURE US	0.2	Gallon(GAL)	23-Apr-19
0001503187	-	PSX 700 CURE US	0.2	Gallon(GAL)	23-Apr-19
0001503186	-	PSX 700 CURE US	0.2	Gallon(GAL)	23-Apr-19
0001503177	-	PSX 700 CURE US	0.2	Gallon(GAL)	23-Apr-19
0001503183	-	PSX 700 CURE US	0.2	Gallon(GAL)	23-Apr-19
0001503191	-	PSX 700 CURE US	0.2	Gallon(GAL)	23-Apr-19
0001503181	-	PSX 700 CURE US	0.2	Gallon(GAL)	23-Apr-19
0001503180	-	PSX 700 CURE US	0.2	Gallon(GAL)	23-Apr-19
0001503179	-	PSX 700 CURE US	0.2	Gallon(GAL)	23-Apr-19
0001503176	-	PSX 700 CURE US	0.2	Gallon(GAL)	23-Apr-19
0001503178	-	PSX 700 CURE US	0.2	Gallon(GAL)	23-Apr-19
0001503184	-	PSX 700 CURE US	0.2	Gallon(GAL)	23-Apr-19
0001543999	-	PSX 700 CURE US	0.2	Gallon(GAL)	23-Apr-19
0001544020	-	Cote All N/B	1	Gallon(GAL)	23-Apr-19
0001544021	-	Cote All N/B	1	Gallon(GAL)	23-Apr-19
0001544022	-	Cote All N/B	1	Gallon(GAL)	23-Apr-19
0001544023	-	Cote All N/B	1	Gallon(GAL)	23-Apr-19
0001597451	-	Mold Bomb Fogger	8	Ounces(OZ)	23-Apr-19
0001597452	-	Mold Bomb Fogger	8	Ounces(OZ)	23-Apr-19
0001597453	110-54-3	HEXANES (CERTIFIED ACS)	4	Liters(L)	23-Apr-19
0001146501	7732-18-5	Hydrochloric Acid 30-31%	3000	Pounds(LB)	23-Apr-19
0001146591	7732-18-5	Hydrochloric Acid 30-31%	3000	Pounds(LB)	23-Apr-19
V000002C22	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C23	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C20	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C2A	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C21	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C24	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C25	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C26	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C27	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C2B	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002C29	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C1F	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C14	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C28	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C17	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C4D	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C2C	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C12	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C13	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C4E	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C16	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C11	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C1E	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C18	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C19	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C1A	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C1B	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C1C	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C1D	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C15	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C3C	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C46	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C45	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C44	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C43	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C2D	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C47	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C3B	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C38	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C3D	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C3E	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C3F	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C42	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C40	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C41	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C39	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C37	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C48	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C31	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C32	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C33	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C34	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C3A	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C2F	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C30	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C36	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C2E	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C4C	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002C4B	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C4A	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C49	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
V000002C35	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	23-Apr-19
0001544024	-	GACO SF2000 SEAM SEALER	5	Gallon(GAL)	23-Apr-19
0001544025	-	GACO SF2000 SEAM SEALER	5	Gallon(GAL)	23-Apr-19
0001544046	-	GACO E5320 EPOXY PRIMER PART A	5	Gallon(GAL)	23-Apr-19
0001596327	-	THOMAS ANTIFOAM SPRAY 8OZ	8	Ounces(OZ)	23-Apr-19
0001596329	-	THOMAS ANTIFOAM SPRAY 8OZ	8	Ounces(OZ)	23-Apr-19
0001596330	-	THOMAS ANTIFOAM SPRAY 8OZ	8	Ounces(OZ)	23-Apr-19
0001596331	-	THOMAS ANTIFOAM SPRAY 8OZ	8	Ounces(OZ)	23-Apr-19
0001596332	-	THOMAS ANTIFOAM SPRAY 8OZ	8	Ounces(OZ)	23-Apr-19
0001596333	-	THOMAS ANTIFOAM SPRAY 8OZ	8	Ounces(OZ)	23-Apr-19
0001596334	-	THOMAS ANTIFOAM SPRAY 8OZ	8	Ounces(OZ)	23-Apr-19
0001596335	-	THOMAS ANTIFOAM SPRAY 8OZ	8	Ounces(OZ)	23-Apr-19
0001596336	-	THOMAS ANTIFOAM SPRAY 8OZ	8	Ounces(OZ)	23-Apr-19
0001596328	-	THOMAS ANTIFOAM SPRAY 8OZ	8	Ounces(OZ)	23-Apr-19
0001597060	-	FORMULA 60	5	Gallon(GAL)	23-Apr-19
0001597061	-	FORMULA 60	5	Gallon(GAL)	23-Apr-19
0001597062	-	FORMULA 60	5	Gallon(GAL)	23-Apr-19
0001597454	-	PTFE RELEASE AGENT DRY LU	14	Ounces(OZ)	23-Apr-19
0001597468	-	PTFE RELEASE AGENT DRY LU	14	Ounces(OZ)	23-Apr-19
0001597467	-	PTFE RELEASE AGENT DRY LU	14	Ounces(OZ)	23-Apr-19
0001597477	-	PTFE RELEASE AGENT DRY LU	14	Ounces(OZ)	23-Apr-19
0001597476	-	PTFE RELEASE AGENT DRY LU	14	Ounces(OZ)	23-Apr-19
0001597475	-	PTFE RELEASE AGENT DRY LU	14	Ounces(OZ)	23-Apr-19
0001597474	-	PTFE RELEASE AGENT DRY LU	14	Ounces(OZ)	23-Apr-19
0001597473	-	PTFE RELEASE AGENT DRY LU	14	Ounces(OZ)	23-Apr-19
0001597472	-	PTFE RELEASE AGENT DRY LU	14	Ounces(OZ)	23-Apr-19
0001597471	-	PTFE RELEASE AGENT DRY LU	14	Ounces(OZ)	23-Apr-19
0001597470	-	PTFE RELEASE AGENT DRY LU	14	Ounces(OZ)	23-Apr-19
0001597455	-	PTFE RELEASE AGENT DRY LU	14	Ounces(OZ)	23-Apr-19
0001597466	-	PTFE RELEASE AGENT DRY LU	14	Ounces(OZ)	23-Apr-19
0001597465	-	PTFE RELEASE AGENT DRY LU	14	Ounces(OZ)	23-Apr-19
0001597464	-	PTFE RELEASE AGENT DRY LU	14	Ounces(OZ)	23-Apr-19
0001597463	-	PTFE RELEASE AGENT DRY LU	14	Ounces(OZ)	23-Apr-19
0001597462	-	PTFE RELEASE AGENT DRY LU	14	Ounces(OZ)	23-Apr-19
0001597461	-	PTFE RELEASE AGENT DRY LU	14	Ounces(OZ)	23-Apr-19
0001597460	-	PTFE RELEASE AGENT DRY LU	14	Ounces(OZ)	23-Apr-19
0001597459	-	PTFE RELEASE AGENT DRY LU	14	Ounces(OZ)	23-Apr-19
0001597458	-	PTFE RELEASE AGENT DRY LU	14	Ounces(OZ)	23-Apr-19
0001597457	-	PTFE RELEASE AGENT DRY LU	14	Ounces(OZ)	23-Apr-19
0001597456	-	PTFE RELEASE AGENT DRY LU	14	Ounces(OZ)	23-Apr-19
0001597469	-	PTFE RELEASE AGENT DRY LU	14	Ounces(OZ)	23-Apr-19
0001597478	-	Elastic Resin	1	Liters(L)	23-Apr-19
0001544026	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	23-Apr-19
0001544034	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	23-Apr-19
0001544027	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	23-Apr-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001544032	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	23-Apr-19
0001544028	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	23-Apr-19
0001544031	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	23-Apr-19
0001544030	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	23-Apr-19
0001544029	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	23-Apr-19
0001544033	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	23-Apr-19
0001544035	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	23-Apr-19
0001544036	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	23-Apr-19
0001544037	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	23-Apr-19
0001544038	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	23-Apr-19
0001544039	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	23-Apr-19
0001544040	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	23-Apr-19
0001544041	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	23-Apr-19
0001544042	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	23-Apr-19
0001544043	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	23-Apr-19
0001544044	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	23-Apr-19
0001544045	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	23-Apr-19
0001597479	-	Testors 9146XT Promotional Enamel Paint Set	7.4	Milliliter(ML)	23-Apr-19
0001544047	-	GACO E5320 EPOXY PRIMER PART B	5	Gallon(GAL)	23-Apr-19
0001597480	-	Buehler Epothin 2 Hardener / SDS# 9130500	1.9	Liters(L)	23-Apr-19
0001597481	-	Buehler Epothin 2 Hardener / SDS# 9130500	1.9	Liters(L)	23-Apr-19
0001597482	557-05-1	STRUERS ANTISTICK	8	Gram(GM)	23-Apr-19
0001457104	-	VEROCLEAR RGD810	1	Kilograms(KG)	23-Apr-19
0001457106	-	VEROCLEAR RGD810	1	Kilograms(KG)	23-Apr-19
0001457105	-	VEROCLEAR RGD810	1	Kilograms(KG)	23-Apr-19
0001457114	-	VEROCLEAR RGD810	1	Kilograms(KG)	23-Apr-19
0001457110	-	VEROCLEAR RGD810	1	Kilograms(KG)	23-Apr-19
0001457111	-	VEROCLEAR RGD810	1	Kilograms(KG)	23-Apr-19
0001457113	-	VEROCLEAR RGD810	1	Kilograms(KG)	23-Apr-19
0001457115	-	VEROCLEAR RGD810	1	Kilograms(KG)	23-Apr-19
0001457112	-	VEROCLEAR RGD810	1	Kilograms(KG)	23-Apr-19
0001597484	7697-37-2	NITRIC ACID OPTIMA	500	Milliliter(ML)	24-Apr-19
0001597492	7697-37-2	NITRIC ACID OPTIMA	500	Milliliter(ML)	24-Apr-19
0001597493	7697-37-2	NITRIC ACID OPTIMA	500	Milliliter(ML)	24-Apr-19
0001597491	7697-37-2	NITRIC ACID OPTIMA	500	Milliliter(ML)	24-Apr-19
0001597490	7697-37-2	NITRIC ACID OPTIMA	500	Milliliter(ML)	24-Apr-19
0001597488	7697-37-2	NITRIC ACID OPTIMA	500	Milliliter(ML)	24-Apr-19
0001597487	7697-37-2	NITRIC ACID OPTIMA	500	Milliliter(ML)	24-Apr-19
0001597486	7697-37-2	NITRIC ACID OPTIMA	500	Milliliter(ML)	24-Apr-19
0001597485	7697-37-2	NITRIC ACID OPTIMA	500	Milliliter(ML)	24-Apr-19
0001597489	7697-37-2	NITRIC ACID OPTIMA	500	Milliliter(ML)	24-Apr-19
0001597494	7697-37-2	NITRIC ACID OPTIMA	500	Milliliter(ML)	24-Apr-19
0001597495	-	Hocut Sym-C	5	Gallon(GAL)	24-Apr-19
0001597496	-	Hocut Sym-C	5	Gallon(GAL)	24-Apr-19
0001597501	-	Hocut Sym-C	5	Gallon(GAL)	24-Apr-19
0001597500	-	Hocut Sym-C	5	Gallon(GAL)	24-Apr-19
0001597499	-	Hocut Sym-C	5	Gallon(GAL)	24-Apr-19
0001597497	-	Hocut Sym-C	5	Gallon(GAL)	24-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001597498	-	Hocut Sym-C	5	Gallon(GAL)	24-Apr-19
0001597502	-	ETHANOL ANHYDROUS	20	Liters(L)	24-Apr-19
0001597505	-	ETHANOL ANHYDROUS	20	Liters(L)	24-Apr-19
0001597506	-	ETHANOL ANHYDROUS	20	Liters(L)	24-Apr-19
0001597503	-	ETHANOL ANHYDROUS	20	Liters(L)	24-Apr-19
0001597504	-	ETHANOL ANHYDROUS	20	Liters(L)	24-Apr-19
0001597507	64-17-5	ALCOHOL (ANHYDROUS)	4	Liters(L)	24-Apr-19
0001597508	64-17-5	ALCOHOL (ANHYDROUS)	4	Liters(L)	24-Apr-19
0001597509	64-17-5	ALCOHOL (ANHYDROUS)	4	Liters(L)	24-Apr-19
0001597510	64-17-5	ALCOHOL (ANHYDROUS)	4	Liters(L)	24-Apr-19
0001597511	64-17-5	ALCOHOL (ANHYDROUS)	4	Liters(L)	24-Apr-19
0001597512	64-17-5	ALCOHOL (ANHYDROUS)	4	Liters(L)	24-Apr-19
0001597567	110-54-3	N-HEXANE	4	Liters(L)	24-Apr-19
0001597568	110-54-3	N-HEXANE	4	Liters(L)	24-Apr-19
0001597569	-	TITRAVER (EDTA) HARDNESS TITRANT	100	Milliliter(ML)	24-Apr-19
0001597579	-	TITRAVER (EDTA) HARDNESS TITRANT	100	Milliliter(ML)	24-Apr-19
0001597586	-	TITRAVER (EDTA) HARDNESS TITRANT	100	Milliliter(ML)	24-Apr-19
0001597583	-	TITRAVER (EDTA) HARDNESS TITRANT	100	Milliliter(ML)	24-Apr-19
0001597584	-	TITRAVER (EDTA) HARDNESS TITRANT	100	Milliliter(ML)	24-Apr-19
0001597588	-	TITRAVER (EDTA) HARDNESS TITRANT	100	Milliliter(ML)	24-Apr-19
0001597582	-	TITRAVER (EDTA) HARDNESS TITRANT	100	Milliliter(ML)	24-Apr-19
0001597581	-	TITRAVER (EDTA) HARDNESS TITRANT	100	Milliliter(ML)	24-Apr-19
0001597580	-	TITRAVER (EDTA) HARDNESS TITRANT	100	Milliliter(ML)	24-Apr-19
0001597587	-	TITRAVER (EDTA) HARDNESS TITRANT	100	Milliliter(ML)	24-Apr-19
0001597577	-	TITRAVER (EDTA) HARDNESS TITRANT	100	Milliliter(ML)	24-Apr-19
0001597576	-	TITRAVER (EDTA) HARDNESS TITRANT	100	Milliliter(ML)	24-Apr-19
0001597575	-	TITRAVER (EDTA) HARDNESS TITRANT	100	Milliliter(ML)	24-Apr-19
0001597574	-	TITRAVER (EDTA) HARDNESS TITRANT	100	Milliliter(ML)	24-Apr-19
0001597573	-	TITRAVER (EDTA) HARDNESS TITRANT	100	Milliliter(ML)	24-Apr-19
0001597572	-	TITRAVER (EDTA) HARDNESS TITRANT	100	Milliliter(ML)	24-Apr-19
0001597571	-	TITRAVER (EDTA) HARDNESS TITRANT	100	Milliliter(ML)	24-Apr-19
0001597570	-	TITRAVER (EDTA) HARDNESS TITRANT	100	Milliliter(ML)	24-Apr-19
0001597585	-	TITRAVER (EDTA) HARDNESS TITRANT	100	Milliliter(ML)	24-Apr-19
0001597578	-	TITRAVER (EDTA) HARDNESS TITRANT	100	Milliliter(ML)	24-Apr-19
0001597589	-	Aluminum Reagent Set Aluminon	100	Gram(GM)	24-Apr-19
0001597590	-	SILICA REAGENT KIT	10	Milliliter(ML)	24-Apr-19
0001597602	-	SILICA REAGENT KIT	10	Milliliter(ML)	24-Apr-19
0001597608	-	SILICA REAGENT KIT	10	Milliliter(ML)	24-Apr-19
0001597607	-	SILICA REAGENT KIT	10	Milliliter(ML)	24-Apr-19
0001597606	-	SILICA REAGENT KIT	10	Milliliter(ML)	24-Apr-19
0001597593	-	SILICA REAGENT KIT	10	Milliliter(ML)	24-Apr-19
0001597605	-	SILICA REAGENT KIT	10	Milliliter(ML)	24-Apr-19
0001597604	-	SILICA REAGENT KIT	10	Milliliter(ML)	24-Apr-19
0001597603	-	SILICA REAGENT KIT	10	Milliliter(ML)	24-Apr-19
0001597609	-	SILICA REAGENT KIT	10	Milliliter(ML)	24-Apr-19
0001597600	-	SILICA REAGENT KIT	10	Milliliter(ML)	24-Apr-19
0001597598	-	SILICA REAGENT KIT	10	Milliliter(ML)	24-Apr-19
0001597597	-	SILICA REAGENT KIT	10	Milliliter(ML)	24-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001597596	-	SILICA REAGENT KIT	10	Milliliter(ML)	24-Apr-19
0001597594	-	SILICA REAGENT KIT	10	Milliliter(ML)	24-Apr-19
0001597592	-	SILICA REAGENT KIT	10	Milliliter(ML)	24-Apr-19
0001597591	-	SILICA REAGENT KIT	10	Milliliter(ML)	24-Apr-19
0001597599	-	SILICA REAGENT KIT	10	Milliliter(ML)	24-Apr-19
0001597595	-	SILICA REAGENT KIT	10	Milliliter(ML)	24-Apr-19
0001597601	-	SILICA REAGENT KIT	10	Milliliter(ML)	24-Apr-19
0001597610	67-64-1	ACETONE	4	Liters(L)	24-Apr-19
0001597612	67-64-1	ACETONE	4	Liters(L)	24-Apr-19
0001597613	67-64-1	ACETONE	4	Liters(L)	24-Apr-19
0001597611	67-64-1	ACETONE	4	Liters(L)	24-Apr-19
0001146592	1310-73-2	SODIUM HYDROXIDE 50% SOLUTION	2500	Gallon(GAL)	24-Apr-19
0001565369	7440-59-7	Helium UHP	220	Cubic Feet(CF)	24-Apr-19
0001565368	7440-59-7	Helium UHP	220	Cubic Feet(CF)	24-Apr-19
0001565367	7440-59-7	Helium UHP	220	Cubic Feet(CF)	24-Apr-19
0001565374	7440-59-7	Helium UHP	220	Cubic Feet(CF)	24-Apr-19
0001565370	7440-59-7	Helium UHP	220	Cubic Feet(CF)	24-Apr-19
0001565371	7440-59-7	Helium UHP	220	Cubic Feet(CF)	24-Apr-19
0001565373	7440-59-7	Helium UHP	220	Cubic Feet(CF)	24-Apr-19
0001565375	7440-59-7	Helium UHP	220	Cubic Feet(CF)	24-Apr-19
0001565376	7440-59-7	Helium UHP	220	Cubic Feet(CF)	24-Apr-19
0001565377	7440-59-7	Helium UHP	220	Cubic Feet(CF)	24-Apr-19
0001565378	7440-59-7	Helium UHP	220	Cubic Feet(CF)	24-Apr-19
0001565372	7440-59-7	Helium UHP	220	Cubic Feet(CF)	24-Apr-19
0001565379	-	CARBON MONOXIDE IN NITROGEN	150	Cubic Feet(CF)	24-Apr-19
0001565380	-	CARBON MONOXIDE IN NITROGEN	150	Cubic Feet(CF)	24-Apr-19
0001565381	74-98-6	PROPANE	50	Cubic Feet(CF)	24-Apr-19
0001565386	74-98-6	PROPANE	50	Cubic Feet(CF)	24-Apr-19
0001565382	74-98-6	PROPANE	50	Cubic Feet(CF)	24-Apr-19
0001565383	74-98-6	PROPANE	50	Cubic Feet(CF)	24-Apr-19
0001565385	74-98-6	PROPANE	50	Cubic Feet(CF)	24-Apr-19
0001565387	74-98-6	PROPANE	50	Cubic Feet(CF)	24-Apr-19
0001565388	74-98-6	PROPANE	50	Cubic Feet(CF)	24-Apr-19
0001565389	74-98-6	PROPANE	50	Cubic Feet(CF)	24-Apr-19
0001565384	74-98-6	PROPANE	50	Cubic Feet(CF)	24-Apr-19
0001565390	7440-59-7	HELIUM	100	Liters(L)	24-Apr-19
0001565391	7440-59-7	HELIUM	100	Liters(L)	24-Apr-19
0001565392	7440-59-7	HELIUM	100	Liters(L)	24-Apr-19
0001565393	7440-59-7	HELIUM	100	Liters(L)	24-Apr-19
0001565394	-	30ppm Refrigerant R123/Balance Nitrogen	103	Liters(L)	24-Apr-19
0001540580	-	CITRISTRIP	32	Ounces(OZ)	24-Apr-19
0001540589	64742-47-8	PETROLEUM SOLVENT	10	Ounces(OZ)	24-Apr-19
0001565362	74-86-2	ACETYLENE STABILIZED	180	Cubic Feet(CF)	24-Apr-19
0001565363	74-86-2	ACETYLENE STABILIZED	180	Cubic Feet(CF)	24-Apr-19
0001565361	74-86-2	ACETYLENE STABILIZED	240	Cubic Feet(CF)	24-Apr-19
0001565364	74-82-8	METHANE	50	Cubic Feet(CF)	24-Apr-19
0001565365	74-86-2	ACETYLENE STABILIZED	40	Cubic Feet(CF)	24-Apr-19
0001565366	74-86-2	ACETYLENE STABILIZED	10	Cubic Feet(CF)	24-Apr-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001565296	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565301	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565297	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565298	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565300	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565302	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565303	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565304	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565305	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565306	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565307	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565299	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565308	-	Argon UHP	220	Cubic Feet(CF)	24-Apr-19
0001565312	-	Argon UHP	220	Cubic Feet(CF)	24-Apr-19
0001565323	-	Argon UHP	220	Cubic Feet(CF)	24-Apr-19
0001565338	-	Argon UHP	220	Cubic Feet(CF)	24-Apr-19
0001565336	-	Argon UHP	220	Cubic Feet(CF)	24-Apr-19
0001565334	-	Argon UHP	220	Cubic Feet(CF)	24-Apr-19
0001565333	-	Argon UHP	220	Cubic Feet(CF)	24-Apr-19
0001565332	-	Argon UHP	220	Cubic Feet(CF)	24-Apr-19
0001565331	-	Argon UHP	220	Cubic Feet(CF)	24-Apr-19
0001565330	-	Argon UHP	220	Cubic Feet(CF)	24-Apr-19
0001565329	-	Argon UHP	220	Cubic Feet(CF)	24-Apr-19
0001565328	-	Argon UHP	220	Cubic Feet(CF)	24-Apr-19
0001565327	-	Argon UHP	220	Cubic Feet(CF)	24-Apr-19
0001565326	-	Argon UHP	220	Cubic Feet(CF)	24-Apr-19
0001565339	-	Argon UHP	220	Cubic Feet(CF)	24-Apr-19
0001565324	-	Argon UHP	220	Cubic Feet(CF)	24-Apr-19
0001565337	-	Argon UHP	220	Cubic Feet(CF)	24-Apr-19
0001565322	-	Argon UHP	220	Cubic Feet(CF)	24-Apr-19
0001565321	-	Argon UHP	220	Cubic Feet(CF)	24-Apr-19
0001565320	-	Argon UHP	220	Cubic Feet(CF)	24-Apr-19
0001565319	-	Argon UHP	220	Cubic Feet(CF)	24-Apr-19
0001565318	-	Argon UHP	220	Cubic Feet(CF)	24-Apr-19
0001565317	-	Argon UHP	220	Cubic Feet(CF)	24-Apr-19
0001565316	-	Argon UHP	220	Cubic Feet(CF)	24-Apr-19
0001565315	-	Argon UHP	220	Cubic Feet(CF)	24-Apr-19
0001565313	-	Argon UHP	220	Cubic Feet(CF)	24-Apr-19
0001565311	-	Argon UHP	220	Cubic Feet(CF)	24-Apr-19
0001565310	-	Argon UHP	220	Cubic Feet(CF)	24-Apr-19
0001565309	-	Argon UHP	220	Cubic Feet(CF)	24-Apr-19
0001565325	-	Argon UHP	220	Cubic Feet(CF)	24-Apr-19
0001565345	-	Argon UHP	220	Cubic Feet(CF)	24-Apr-19
0001565349	-	Argon UHP	220	Cubic Feet(CF)	24-Apr-19
0001565348	-	Argon UHP	220	Cubic Feet(CF)	24-Apr-19
0001565340	-	Argon UHP	220	Cubic Feet(CF)	24-Apr-19
0001565346	-	Argon UHP	220	Cubic Feet(CF)	24-Apr-19
0001565344	-	Argon UHP	220	Cubic Feet(CF)	24-Apr-19

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001565343	-	Argon UHP	220	Cubic Feet(CF)	24-Apr-19
0001565335	-	Argon UHP	220	Cubic Feet(CF)	24-Apr-19
0001565342	-	Argon UHP	220	Cubic Feet(CF)	24-Apr-19
0001565314	-	Argon UHP	220	Cubic Feet(CF)	24-Apr-19
0001565341	-	Argon UHP	220	Cubic Feet(CF)	24-Apr-19
0001565347	-	Argon UHP	220	Cubic Feet(CF)	24-Apr-19
0001565350	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	24-Apr-19
0001565351	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	24-Apr-19
0001565352	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	24-Apr-19
0001565353	-	Oxygen Argon	450	Cubic Feet(CF)	24-Apr-19
0001565354	-	Oxygen Argon	450	Cubic Feet(CF)	24-Apr-19
0001565355	1333-74-0	HYDROGEN	220	Cubic Feet(CF)	24-Apr-19
0001565356	1333-74-0	HYDROGEN	220	Cubic Feet(CF)	24-Apr-19
0001565357	1333-74-0	HYDROGEN	220	Cubic Feet(CF)	24-Apr-19
0001565358	1333-74-0	HYDROGEN	220	Cubic Feet(CF)	24-Apr-19
0001565359	1333-74-0	HYDROGEN	220	Cubic Feet(CF)	24-Apr-19
0001565360	1333-74-0	HYDROGEN	220	Cubic Feet(CF)	24-Apr-19
0001565276	7440-59-7	HELIUM	20	Cubic Feet(CF)	24-Apr-19
0001565278	7440-59-7	HELIUM	40	Cubic Feet(CF)	24-Apr-19
0001565279	7782-44-7	OXYGEN COMPRESSED GAS	40	Cubic Feet(CF)	24-Apr-19
0015655280	7440-37-1	ARGON COMPRESSED	10	Cubic Feet(CF)	24-Apr-19
0001565281	7440-59-7	HELIUM	220	Cubic Feet(CF)	24-Apr-19
0001565282	7440-59-7	HELIUM	220	Cubic Feet(CF)	24-Apr-19
0001565288	7440-59-7	HELIUM	220	Cubic Feet(CF)	24-Apr-19
0001565291	7440-59-7	HELIUM	220	Cubic Feet(CF)	24-Apr-19
0001565283	7440-59-7	HELIUM	220	Cubic Feet(CF)	24-Apr-19
0001565284	7440-59-7	HELIUM	220	Cubic Feet(CF)	24-Apr-19
0001565285	7440-59-7	HELIUM	220	Cubic Feet(CF)	24-Apr-19
0001565286	7440-59-7	HELIUM	220	Cubic Feet(CF)	24-Apr-19
0001565287	7440-59-7	HELIUM	220	Cubic Feet(CF)	24-Apr-19
0001565289	7440-59-7	HELIUM	220	Cubic Feet(CF)	24-Apr-19
0001565290	7440-59-7	HELIUM	220	Cubic Feet(CF)	24-Apr-19
0001565292	7440-59-7	HELIUM	220	Cubic Feet(CF)	24-Apr-19
0001565293	7440-59-7	HELIUM	220	Cubic Feet(CF)	24-Apr-19
0001565294	7440-59-7	HELIUM	220	Cubic Feet(CF)	24-Apr-19
0001565295	7440-59-7	HELIUM	220	Cubic Feet(CF)	24-Apr-19
0001565172	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565204	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565203	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565202	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565201	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565200	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565205	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565198	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565210	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565196	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565199	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565206	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001565207	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565195	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565209	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565211	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565212	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565213	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565214	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565215	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565216	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565217	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565208	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565180	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565177	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565176	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565175	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565174	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565173	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565197	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565179	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565194	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565181	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565182	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565183	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565191	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565178	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565192	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565193	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565190	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565189	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565188	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565187	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565186	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565185	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565184	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	24-Apr-19
0001565218	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565222	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565225	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565224	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565223	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565221	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565220	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565219	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565226	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565259	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565265	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565252	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565253	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565254	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001565255	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565258	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565257	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565260	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565261	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565262	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565251	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565264	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565256	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565266	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565267	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565268	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565269	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565270	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565271	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565272	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565273	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565274	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565275	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565263	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565249	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565248	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565247	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001565250	-	Nitrogen UHP	220	Cubic Feet(CF)	24-Apr-19
0001595197	-	SAMARIUM POWDER	50	Gram(GM)	24-Apr-19
0001565227	-	Oxygen UHP	220	Cubic Feet(CF)	24-Apr-19
0001596547	756-79-6	DIMETHYL METHYLPHOSPHONATE	500	Gram(GM)	24-Apr-19
0001565228	-	AIR COMPRESSED	220	Cubic Feet(CF)	24-Apr-19
0001565234	-	AIR COMPRESSED	220	Cubic Feet(CF)	24-Apr-19
0001565229	-	AIR COMPRESSED	220	Cubic Feet(CF)	24-Apr-19
0001565230	-	AIR COMPRESSED	220	Cubic Feet(CF)	24-Apr-19
0001565231	-	AIR COMPRESSED	220	Cubic Feet(CF)	24-Apr-19
0001565233	-	AIR COMPRESSED	220	Cubic Feet(CF)	24-Apr-19
0001565235	-	AIR COMPRESSED	220	Cubic Feet(CF)	24-Apr-19
0001565236	-	AIR COMPRESSED	220	Cubic Feet(CF)	24-Apr-19
0001565237	-	AIR COMPRESSED	220	Cubic Feet(CF)	24-Apr-19
0001565239	-	AIR COMPRESSED	220	Cubic Feet(CF)	24-Apr-19
0001565240	-	AIR COMPRESSED	220	Cubic Feet(CF)	24-Apr-19
0001565241	-	AIR COMPRESSED	220	Cubic Feet(CF)	24-Apr-19
0001565242	-	AIR COMPRESSED	220	Cubic Feet(CF)	24-Apr-19
0001565232	-	AIR COMPRESSED	220	Cubic Feet(CF)	24-Apr-19
0001565243	-	AIR COMPRESSED	220	Cubic Feet(CF)	24-Apr-19
0001565244	-	AIR COMPRESSED	220	Cubic Feet(CF)	24-Apr-19
0001565245	-	AIR COMPRESSED	220	Cubic Feet(CF)	24-Apr-19
0001565246	-	AIR COMPRESSED	220	Cubic Feet(CF)	24-Apr-19
0001565238	-	AIR COMPRESSED	220	Cubic Feet(CF)	24-Apr-19
0001596548	756-79-6	DIMETHYL METHYLPHOSPHONATE	500	Gram(GM)	24-Apr-19
0001596549	756-79-6	DIMETHYL METHYLPHOSPHONATE	500	Gram(GM)	24-Apr-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001596822	7440-69-9	BISMUTH GRANULES	100	Gram(GM)	24-Apr-19
0001596823	7440-42-8	BORON POWDER	10	Gram(GM)	24-Apr-19
0001596824	7440-45-1	CERIUM INGOT	250	Gram(GM)	24-Apr-19
0001596825	7440-48-4	COBALT POWDER	100	Gram(GM)	24-Apr-19
0001596826	7440-53-1	EUROPIUM	5	Gram(GM)	24-Apr-19
0001596827	7440-10-0	PRASEODYMIUM	10	Gram(GM)	24-Apr-19
0001596828	7439-95-4	MAGNESIUM TURNINGS	25	Gram(GM)	24-Apr-19
0001596829	7439-92-1	LEAD SHOT	250	Gram(GM)	24-Apr-19
0001596830	7440-20-2	SCANDIUM POWDER	2	Gram(GM)	24-Apr-19
0001596831	-	THULIUM PIECES	5	Gram(GM)	24-Apr-19
0001596832	-	Tin ingot	1	Kilograms(KG)	24-Apr-19
0001597513	1405-41-0	GENTAMICIN SULFATE	5	Gram(GM)	24-Apr-19
0001597514	7786-30-3	MAGNESIUM CHLORIDE ANHYDROUS	1	Kilograms(KG)	24-Apr-19
0001597523	7786-30-3	MAGNESIUM CHLORIDE ANHYDROUS	1	Kilograms(KG)	24-Apr-19
0001597521	7786-30-3	MAGNESIUM CHLORIDE ANHYDROUS	1	Kilograms(KG)	24-Apr-19
0001597522	7786-30-3	MAGNESIUM CHLORIDE ANHYDROUS	1	Kilograms(KG)	24-Apr-19
0001597520	7786-30-3	MAGNESIUM CHLORIDE ANHYDROUS	1	Kilograms(KG)	24-Apr-19
0001597519	7786-30-3	MAGNESIUM CHLORIDE ANHYDROUS	1	Kilograms(KG)	24-Apr-19
0001597518	7786-30-3	MAGNESIUM CHLORIDE ANHYDROUS	1	Kilograms(KG)	24-Apr-19
0001597517	7786-30-3	MAGNESIUM CHLORIDE ANHYDROUS	1	Kilograms(KG)	24-Apr-19
0001597515	7786-30-3	MAGNESIUM CHLORIDE ANHYDROUS	1	Kilograms(KG)	24-Apr-19
0001597516	7786-30-3	MAGNESIUM CHLORIDE ANHYDROUS	1	Kilograms(KG)	24-Apr-19
0001597524	7487-88-9	MAGNESIUM SULFATE	500	Gram(GM)	24-Apr-19
0001597525	407-25-0	TRIFLUOROACETIC ANHYDRIDE	500	Gram(GM)	24-Apr-19
0001597526	407-25-0	TRIFLUOROACETIC ANHYDRIDE	500	Gram(GM)	24-Apr-19
0001597527	67-64-1	ACETONE	1	Gallon(GAL)	24-Apr-19
0001597532	67-64-1	ACETONE	1	Gallon(GAL)	24-Apr-19
0001597531	67-64-1	ACETONE	1	Gallon(GAL)	24-Apr-19
0001597529	67-64-1	ACETONE	1	Gallon(GAL)	24-Apr-19
0001597530	67-64-1	ACETONE	1	Gallon(GAL)	24-Apr-19
0001597528	67-64-1	ACETONE	1	Gallon(GAL)	24-Apr-19
0001597533	67-64-1	ACETONE	1	Gallon(GAL)	24-Apr-19
0001597536	67-64-1	ACETONE	1	Gallon(GAL)	24-Apr-19
0001597534	67-64-1	ACETONE	1	Gallon(GAL)	24-Apr-19
0001597535	67-64-1	ACETONE	1	Gallon(GAL)	24-Apr-19
0001597537	67-64-1	ACETONE	1	Gallon(GAL)	24-Apr-19
0001597538	67-64-1	ACETONE	1	Gallon(GAL)	24-Apr-19
0001597539	7647-01-0	HYDROCHLORIC ACID (HCL HYDROGEN	1	Liters(L)	24-Apr-19
0001597540	7647-01-0	HYDROCHLORIC ACID (HCL HYDROGEN	1	Liters(L)	24-Apr-19
0001597541	7647-01-0	HYDROCHLORIC ACID (HCL HYDROGEN	1	Liters(L)	24-Apr-19
0001597542	7647-01-0	HYDROCHLORIC ACID (HCL HYDROGEN	1	Liters(L)	24-Apr-19
0001597543	109-99-9	TETRAHYDROFURAN	4	Liters(L)	24-Apr-19
0001597544	109-99-9	TETRAHYDROFURAN	4	Liters(L)	24-Apr-19
0001597545	109-99-9	TETRAHYDROFURAN	4	Liters(L)	24-Apr-19
0001597546	109-99-9	TETRAHYDROFURAN	4	Liters(L)	24-Apr-19
0001597547	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	24-Apr-19
0001597554	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	24-Apr-19
0001597558	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	24-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001597557	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	24-Apr-19
0001597555	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	24-Apr-19
0001597553	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	24-Apr-19
0001597552	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	24-Apr-19
0001597551	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	24-Apr-19
0001597550	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	24-Apr-19
0001597549	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	24-Apr-19
0001597548	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	24-Apr-19
0001597556	-	FANTASTIK ALL PURPOSE CLEANER	32	Ounces(OZ)	24-Apr-19
0001597614	7429-90-5	ALUMINUM SHOT	250	Gram(GM)	24-Apr-19
0001597615	7440-36-0	ANTIMONY PIECES	50	Gram(GM)	24-Apr-19
0001597616	7440-43-9	CADMIUM SHOT	50	Gram(GM)	24-Apr-19
0001597617	7440-50-8	COPPER POWDER	50	Gram(GM)	24-Apr-19
0001597618	7439-94-3	LUTETIUM	5	Gram(GM)	24-Apr-19
0001597619	7440-56-4	GERMANIUM PIECES	25	Gram(GM)	24-Apr-19
0001597620	7439-98-7	MOLYBDENUM POWDER	100	Gram(GM)	24-Apr-19
0001597621	-	Hafnium pieces	10	Gram(GM)	24-Apr-19
0001597623	-	YTTERBIUM INGOT	25	Gram(GM)	24-Apr-19
0001597624	7440-66-6	ZINC SHOT	50	Gram(GM)	24-Apr-19
0001597625	7440-62-2	VANADIUM	10	Gram(GM)	24-Apr-19
0001597626	1849-27-0	1 4-BIS(PHENYLETHYNYL)BENZENE	25	Gram(GM)	24-Apr-19
0001597627	7647-01-0	HYDROCHLORIC ACID (HCL HYDROGEN	1	Liters(L)	24-Apr-19
0001597628	7647-01-0	HYDROCHLORIC ACID (HCL HYDROGEN	1	Liters(L)	24-Apr-19
0001597630	7647-01-0	HYDROCHLORIC ACID (HCL HYDROGEN	1	Liters(L)	24-Apr-19
0001597631	7647-01-0	HYDROCHLORIC ACID (HCL HYDROGEN	1	Liters(L)	24-Apr-19
0001597632	7647-01-0	HYDROCHLORIC ACID (HCL HYDROGEN	1	Liters(L)	24-Apr-19
0001597629	7647-01-0	HYDROCHLORIC ACID (HCL HYDROGEN	1	Liters(L)	24-Apr-19
0001565395	-	Nitrogen UHP	103	Cubic Feet(CF)	24-Apr-19
0001565396	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Liters(L)	24-Apr-19
0001565398	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Liters(L)	24-Apr-19
0001565397	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Liters(L)	24-Apr-19
0001597633	2189-60-8	1-PHENYLOCTANE	25	Gram(GM)	24-Apr-19
0001597634	2189-60-8	1-PHENYLOCTANE	25	Gram(GM)	24-Apr-19
0001597635	72287-26-4	(1 1'-BIS(DIPHENYLPHOSPHINO)FERROCENE)-	5	Gram(GM)	24-Apr-19
0001597636	72287-26-4	(1 1'-BIS(DIPHENYLPHOSPHINO)FERROCENE)-	5	Gram(GM)	24-Apr-19
0001597637	534-17-8	CESIUM CARBONATE	50	Gram(GM)	24-Apr-19
0001597638	138715-82-9	Methyl 2-Acetylpyridine-4-carboxylate	10	Gram(GM)	24-Apr-19
0001597639	69011-17-2	AG MP-1M Anion Exchange Resin	500	Gram(GM)	24-Apr-19
0001597640	69011-17-2	AG MP-1M Anion Exchange Resin	500	Gram(GM)	24-Apr-19
0001597641	69011-17-2	AG MP-1M Anion Exchange Resin	500	Gram(GM)	24-Apr-19
0001597642	69011-17-2	AG MP-1M Anion Exchange Resin	500	Gram(GM)	24-Apr-19
0001597643	60177-39-1	AG1-8-X RESIN	500	Milliliter(ML)	24-Apr-19
0001597644	60177-39-1	AG1-8-X RESIN	500	Milliliter(ML)	24-Apr-19
0001597645	69011-20-7	AG 50W-X8 RESIN	100	Gram(GM)	24-Apr-19
0001597647	69011-20-7	AG 50W-X8 RESIN	100	Gram(GM)	24-Apr-19
0001597646	69011-20-7	AG 50W-X8 RESIN	100	Gram(GM)	24-Apr-19
0001597648	67-63-0	ISOPROPYL ALCOHOL	1	Liters(L)	24-Apr-19
0001597649	67-63-0	ISOPROPYL ALCOHOL	1	Liters(L)	24-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001597650	67-63-0	ISOPROPYL ALCOHOL	1	Liters(L)	24-Apr-19
0001597651	67-63-0	ISOPROPYL ALCOHOL	1	Liters(L)	24-Apr-19
0001597652	67-63-0	ISOPROPYL ALCOHOL	1	Liters(L)	24-Apr-19
0001597653	67-63-0	ISOPROPYL ALCOHOL	1	Liters(L)	24-Apr-19
0001597654	67-63-0	ISOPROPYL ALCOHOL	1	Liters(L)	24-Apr-19
0001597655	67-63-0	ISOPROPYL ALCOHOL	1	Liters(L)	24-Apr-19
0001597656	67-63-0	ISOPROPYL ALCOHOL	1	Liters(L)	24-Apr-19
0001597657	67-63-0	ISOPROPYL ALCOHOL	1	Liters(L)	24-Apr-19
0001597658	1344-28-1	ALUMINA POWDER	1	Kilograms(KG)	24-Apr-19
0001597659	1344-28-1	ALUMINA POWDER	1	Kilograms(KG)	24-Apr-19
0001597660	7758-02-3	POTASSIUM BROMIDE 99+%	25	Gram(GM)	24-Apr-19
0001597661	61128-46-9	POLYETHERIMIDE	1	Kilograms(KG)	24-Apr-19
0001597663	7647-01-0	HYDROCHLORIC ACID (HCL HYDROGEN	500	Milliliter(ML)	24-Apr-19
0001597664	10519-96-7	POTASSIUM TRIMETHYLSILANOATE	10	Gram(GM)	24-Apr-19
0001597665	5919-26-6	2-Nitro-1H-pyrrole	1	Gram(GM)	24-Apr-19
0001597666	3592-25-4	1 5-Dichloropentan-3-one	5	Gram(GM)	24-Apr-19
0001597667	920-66-1	1 1 1 3 3 3-hexafluoro-2-propanol	1	Kilograms(KG)	24-Apr-19
0001597668	-	Scribe-Enhancing Marking Fluid - Blue	16	Ounces(OZ)	24-Apr-19
0001597669	-	Scribe-Enhancing Marking Fluid - Blue	16	Ounces(OZ)	24-Apr-19
0015976701	-	Scribe-Enhancing Marking Fluid - Blue	8	Ounces(OZ)	24-Apr-19
0001597671	-	Scribe-Enhancing Marking Fluid - Blue	8	Ounces(OZ)	24-Apr-19
0001597672	-	Scribe-Enhancing Marking Fluid - Blue	1	Quarts(QT)	24-Apr-19
0001597673	-	Scribe-Enhancing Marking Fluid - Blue	1	Quarts(QT)	24-Apr-19
0001597674	-	LINT AND DUST REMOVER (CONTAINS	12	Ounces(OZ)	24-Apr-19
0001597677	-	LINT AND DUST REMOVER (CONTAINS	12	Ounces(OZ)	24-Apr-19
0001597676	-	LINT AND DUST REMOVER (CONTAINS	12	Ounces(OZ)	24-Apr-19
0001597675	-	LINT AND DUST REMOVER (CONTAINS	12	Ounces(OZ)	24-Apr-19
0001540598	-	APIEZON GREASE TYPE L	25	Gram(GM)	24-Apr-19
0001423194	-	EPOXY GLUE	3.64	Gram(GM)	25-Apr-19
0001597678	603-32-7	TRIPHENYLARSINE	25	Gram(GM)	25-Apr-19
0001597679	1445-69-8	Phthalhydrazide	25	Gram(GM)	25-Apr-19
0001597680	13465-09-3	INDIUM(III) BROMIDE	5	Gram(GM)	25-Apr-19
0001597681	100641-16-5	LUTETIUM(III) NITRATE HYDRATE	5	Gram(GM)	25-Apr-19
0001597682	5060-65-1	naphthalene-2 6-dicarbaldehyde	10000	Milligram(MG)	25-Apr-19
0001565399	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Cubic Feet(CF)	25-Apr-19
0001565400	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Cubic Feet(CF)	25-Apr-19
0001597683	32692-19-6	5-Nitroindoline	25	Gram(GM)	25-Apr-19
0001597684	19727-83-4	6-Nitroindoline	25	Gram(GM)	25-Apr-19
0001597685	-	ULTRAGRADE 19 PUMP OIL	1	Liters(L)	25-Apr-19
0001597686	-	ULTRAGRADE 19 PUMP OIL	1	Liters(L)	25-Apr-19
0001597687	-	ULTRAGRADE 19 PUMP OIL	1	Liters(L)	25-Apr-19
0001597688	-	Durable Resin	1	Liters(L)	25-Apr-19
0001597689	-	Durable Resin	1	Liters(L)	25-Apr-19
0001597690	-	Tough Resin	1	Liters(L)	25-Apr-19
0001597691	460-40-2	3 3 3-Trifluoropropanal Contains condensation	5	Gram(GM)	25-Apr-19
0001597692	7647-17-8	CESIUM CHLORIDE	50	Gram(GM)	25-Apr-19
0001597693	1450-14-2	HEXAMETHYLDISILANE	5	Kilograms(KG)	25-Apr-19
0001597443	-	EZRinse-C	2	Gallon(GAL)	25-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001597444	-	EZRinse-C	2	Gallon(GAL)	25-Apr-19
0001573508	-	Brakleen Brake Parts Cleaner - Non-chlorinated	14	Ounces(OZ)	25-Apr-19
0001573509	-	Brakleen Brake Parts Cleaner - Non-chlorinated	14	Ounces(OZ)	25-Apr-19
0001503122	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503155	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503160	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503145	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503146	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503148	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503150	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503151	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503152	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503154	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503156	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503157	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503144	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503159	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503147	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503161	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503162	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503163	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503164	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503165	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503166	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503167	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503168	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503169	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503158	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503130	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503153	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503123	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503124	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503125	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503126	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503127	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503149	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503129	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503143	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503131	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503132	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503133	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503140	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503142	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503128	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503141	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503134	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503139	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503138	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001503137	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503136	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001503135	-	Mule-Hide Helix - Part A and Part B	5.1	Liters(L)	25-Apr-19
0001544000	65997-15-1	PORTLAND CEMENT	60	Pounds(LB)	26-Apr-19
0001544009	65997-15-1	PORTLAND CEMENT	60	Pounds(LB)	26-Apr-19
0001544013	65997-15-1	PORTLAND CEMENT	60	Pounds(LB)	26-Apr-19
0001544018	65997-15-1	PORTLAND CEMENT	60	Pounds(LB)	26-Apr-19
0001544017	65997-15-1	PORTLAND CEMENT	60	Pounds(LB)	26-Apr-19
0001544016	65997-15-1	PORTLAND CEMENT	60	Pounds(LB)	26-Apr-19
0001544014	65997-15-1	PORTLAND CEMENT	60	Pounds(LB)	26-Apr-19
0001544012	65997-15-1	PORTLAND CEMENT	60	Pounds(LB)	26-Apr-19
0001544011	65997-15-1	PORTLAND CEMENT	60	Pounds(LB)	26-Apr-19
0001544010	65997-15-1	PORTLAND CEMENT	60	Pounds(LB)	26-Apr-19
0001544019	65997-15-1	PORTLAND CEMENT	60	Pounds(LB)	26-Apr-19
0001544002	65997-15-1	PORTLAND CEMENT	60	Pounds(LB)	26-Apr-19
0001544015	65997-15-1	PORTLAND CEMENT	60	Pounds(LB)	26-Apr-19
0001544008	65997-15-1	PORTLAND CEMENT	60	Pounds(LB)	26-Apr-19
0001544001	65997-15-1	PORTLAND CEMENT	60	Pounds(LB)	26-Apr-19
0001544003	65997-15-1	PORTLAND CEMENT	60	Pounds(LB)	26-Apr-19
0001544004	65997-15-1	PORTLAND CEMENT	60	Pounds(LB)	26-Apr-19
0001544005	65997-15-1	PORTLAND CEMENT	60	Pounds(LB)	26-Apr-19
0001544006	65997-15-1	PORTLAND CEMENT	60	Pounds(LB)	26-Apr-19
0001544007	65997-15-1	PORTLAND CEMENT	60	Pounds(LB)	26-Apr-19
0001502836	-	Roofing Granules C93	60	Pounds(LB)	26-Apr-19
0001502837	-	Roofing Granules C93	60	Pounds(LB)	26-Apr-19
0001502838	-	Roofing Granules C93	60	Pounds(LB)	26-Apr-19
0001544054	-	Roofing Granules C93	60	Pounds(LB)	26-Apr-19
0001544048	-	Roofing Granules C93	60	Pounds(LB)	26-Apr-19
0001544049	-	Roofing Granules C93	60	Pounds(LB)	26-Apr-19
0001544050	-	Roofing Granules C93	60	Pounds(LB)	26-Apr-19
0001544051	-	Roofing Granules C93	60	Pounds(LB)	26-Apr-19
0001544052	-	Roofing Granules C93	60	Pounds(LB)	26-Apr-19
0001544053	-	Roofing Granules C93	60	Pounds(LB)	26-Apr-19
V000002C67	-	ARDEX FEATHER FINISH	10	Pounds(LB)	26-Apr-19
V000002C61	-	ARDEX FEATHER FINISH	10	Pounds(LB)	26-Apr-19
V000002C62	-	ARDEX FEATHER FINISH	10	Pounds(LB)	26-Apr-19
V000002C63	-	ARDEX FEATHER FINISH	10	Pounds(LB)	26-Apr-19
V000002C64	-	ARDEX FEATHER FINISH	10	Pounds(LB)	26-Apr-19
V000002C6D	-	ARDEX FEATHER FINISH	10	Pounds(LB)	26-Apr-19
V000002C65	-	ARDEX FEATHER FINISH	10	Pounds(LB)	26-Apr-19
V000002C66	-	ARDEX FEATHER FINISH	10	Pounds(LB)	26-Apr-19
V000002C69	-	ARDEX FEATHER FINISH	10	Pounds(LB)	26-Apr-19
V000002C6A	-	ARDEX FEATHER FINISH	10	Pounds(LB)	26-Apr-19
V000002C6C	-	ARDEX FEATHER FINISH	10	Pounds(LB)	26-Apr-19
V000002C6E	-	ARDEX FEATHER FINISH	10	Pounds(LB)	26-Apr-19
V000002C6F	-	ARDEX FEATHER FINISH	10	Pounds(LB)	26-Apr-19
V000002C70	-	ARDEX FEATHER FINISH	10	Pounds(LB)	26-Apr-19
V000002C6B	-	ARDEX FEATHER FINISH	10	Pounds(LB)	26-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002C68	-	ARDEX FEATHER FINISH	10	Pounds(LB)	26-Apr-19
0001544057	-	STRIPE WHITE TRAFFIC MARKER	18	Ounces(OZ)	26-Apr-19
0001544084	-	STRIPE WHITE TRAFFIC MARKER	18	Ounces(OZ)	26-Apr-19
0001544072	-	STRIPE WHITE TRAFFIC MARKER	18	Ounces(OZ)	26-Apr-19
0001544078	-	STRIPE WHITE TRAFFIC MARKER	18	Ounces(OZ)	26-Apr-19
0001544079	-	STRIPE WHITE TRAFFIC MARKER	18	Ounces(OZ)	26-Apr-19
0001544080	-	STRIPE WHITE TRAFFIC MARKER	18	Ounces(OZ)	26-Apr-19
0001544081	-	STRIPE WHITE TRAFFIC MARKER	18	Ounces(OZ)	26-Apr-19
0001544092	-	STRIPE WHITE TRAFFIC MARKER	18	Ounces(OZ)	26-Apr-19
0001544083	-	STRIPE WHITE TRAFFIC MARKER	18	Ounces(OZ)	26-Apr-19
0001544077	-	STRIPE WHITE TRAFFIC MARKER	18	Ounces(OZ)	26-Apr-19
0001544085	-	STRIPE WHITE TRAFFIC MARKER	18	Ounces(OZ)	26-Apr-19
0001544086	-	STRIPE WHITE TRAFFIC MARKER	18	Ounces(OZ)	26-Apr-19
0001544087	-	STRIPE WHITE TRAFFIC MARKER	18	Ounces(OZ)	26-Apr-19
0001544088	-	STRIPE WHITE TRAFFIC MARKER	18	Ounces(OZ)	26-Apr-19
0001544089	-	STRIPE WHITE TRAFFIC MARKER	18	Ounces(OZ)	26-Apr-19
0001544090	-	STRIPE WHITE TRAFFIC MARKER	18	Ounces(OZ)	26-Apr-19
0001544091	-	STRIPE WHITE TRAFFIC MARKER	18	Ounces(OZ)	26-Apr-19
0001544082	-	STRIPE WHITE TRAFFIC MARKER	18	Ounces(OZ)	26-Apr-19
0001544060	-	STRIPE WHITE TRAFFIC MARKER	18	Ounces(OZ)	26-Apr-19
0001544074	-	STRIPE WHITE TRAFFIC MARKER	18	Ounces(OZ)	26-Apr-19
0001544059	-	STRIPE WHITE TRAFFIC MARKER	18	Ounces(OZ)	26-Apr-19
0001544076	-	STRIPE WHITE TRAFFIC MARKER	18	Ounces(OZ)	26-Apr-19
0001544061	-	STRIPE WHITE TRAFFIC MARKER	18	Ounces(OZ)	26-Apr-19
0001544062	-	STRIPE WHITE TRAFFIC MARKER	18	Ounces(OZ)	26-Apr-19
0001544063	-	STRIPE WHITE TRAFFIC MARKER	18	Ounces(OZ)	26-Apr-19
0001544064	-	STRIPE WHITE TRAFFIC MARKER	18	Ounces(OZ)	26-Apr-19
0001544065	-	STRIPE WHITE TRAFFIC MARKER	18	Ounces(OZ)	26-Apr-19
0001544075	-	STRIPE WHITE TRAFFIC MARKER	18	Ounces(OZ)	26-Apr-19
0001544067	-	STRIPE WHITE TRAFFIC MARKER	18	Ounces(OZ)	26-Apr-19
0001544068	-	STRIPE WHITE TRAFFIC MARKER	18	Ounces(OZ)	26-Apr-19
0001544069	-	STRIPE WHITE TRAFFIC MARKER	18	Ounces(OZ)	26-Apr-19
0001544070	-	STRIPE WHITE TRAFFIC MARKER	18	Ounces(OZ)	26-Apr-19
0001544071	-	STRIPE WHITE TRAFFIC MARKER	18	Ounces(OZ)	26-Apr-19
0001544073	-	STRIPE WHITE TRAFFIC MARKER	18	Ounces(OZ)	26-Apr-19
0001544058	-	STRIPE WHITE TRAFFIC MARKER	18	Ounces(OZ)	26-Apr-19
0001544066	-	STRIPE WHITE TRAFFIC MARKER	18	Ounces(OZ)	26-Apr-19
V000002C74	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	26-Apr-19
V000002C75	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	26-Apr-19
V000002C73	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	26-Apr-19
V000002C72	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	26-Apr-19
V000002C71	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	26-Apr-19
V000002C76	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	26-Apr-19
V000002C77	-	Zinsser BULLS EYE 1-2-3	1	Gallon(GAL)	26-Apr-19
V000002C78	-	Zinsser BULLS EYE 1-2-3	1	Gallon(GAL)	26-Apr-19
V000002C79	-	Zinsser BULLS EYE 1-2-3	1	Gallon(GAL)	26-Apr-19
0001544093	-	Startex Lacquer Thinner	5	Gallon(GAL)	26-Apr-19
0001544112	-	Startex Lacquer Thinner	5	Gallon(GAL)	26-Apr-19

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0001544109	-	Startex Lacquer Thinner	5	Gallon(GAL)	26-Apr-19
0001544099	-	Startex Lacquer Thinner	5	Gallon(GAL)	26-Apr-19
0001544110	-	Startex Lacquer Thinner	5	Gallon(GAL)	26-Apr-19
0001544111	-	Startex Lacquer Thinner	5	Gallon(GAL)	26-Apr-19
0001544108	-	Startex Lacquer Thinner	5	Gallon(GAL)	26-Apr-19
0001544113	-	Startex Lacquer Thinner	5	Gallon(GAL)	26-Apr-19
0001544114	-	Startex Lacquer Thinner	5	Gallon(GAL)	26-Apr-19
0001544115	-	Startex Lacquer Thinner	5	Gallon(GAL)	26-Apr-19
0001544117	-	Startex Lacquer Thinner	5	Gallon(GAL)	26-Apr-19
0001544107	-	Startex Lacquer Thinner	5	Gallon(GAL)	26-Apr-19
0001544116	-	Startex Lacquer Thinner	5	Gallon(GAL)	26-Apr-19
0001544098	-	Startex Lacquer Thinner	5	Gallon(GAL)	26-Apr-19
0001544101	-	Startex Lacquer Thinner	5	Gallon(GAL)	26-Apr-19
0001544097	-	Startex Lacquer Thinner	5	Gallon(GAL)	26-Apr-19
0001544106	-	Startex Lacquer Thinner	5	Gallon(GAL)	26-Apr-19
0001544094	-	Startex Lacquer Thinner	5	Gallon(GAL)	26-Apr-19
0001544100	-	Startex Lacquer Thinner	5	Gallon(GAL)	26-Apr-19
0001544095	-	Startex Lacquer Thinner	5	Gallon(GAL)	26-Apr-19
0001544102	-	Startex Lacquer Thinner	5	Gallon(GAL)	26-Apr-19
0001544103	-	Startex Lacquer Thinner	5	Gallon(GAL)	26-Apr-19
0001544104	-	Startex Lacquer Thinner	5	Gallon(GAL)	26-Apr-19
0001544105	-	Startex Lacquer Thinner	5	Gallon(GAL)	26-Apr-19
0001544096	-	Startex Lacquer Thinner	5	Gallon(GAL)	26-Apr-19
0001544118	-	White Traffic L/F Regular Dry	5	Gallon(GAL)	26-Apr-19
0001544141	-	White Traffic L/F Regular Dry	5	Gallon(GAL)	26-Apr-19
0001544136	-	White Traffic L/F Regular Dry	5	Gallon(GAL)	26-Apr-19
0001544138	-	White Traffic L/F Regular Dry	5	Gallon(GAL)	26-Apr-19
0001544139	-	White Traffic L/F Regular Dry	5	Gallon(GAL)	26-Apr-19
0001544140	-	White Traffic L/F Regular Dry	5	Gallon(GAL)	26-Apr-19
0001544142	-	White Traffic L/F Regular Dry	5	Gallon(GAL)	26-Apr-19
0001544143	-	White Traffic L/F Regular Dry	5	Gallon(GAL)	26-Apr-19
0001544144	-	White Traffic L/F Regular Dry	5	Gallon(GAL)	26-Apr-19
0001544145	-	White Traffic L/F Regular Dry	5	Gallon(GAL)	26-Apr-19
0001544134	-	White Traffic L/F Regular Dry	5	Gallon(GAL)	26-Apr-19
0001544147	-	White Traffic L/F Regular Dry	5	Gallon(GAL)	26-Apr-19
0001544135	-	White Traffic L/F Regular Dry	5	Gallon(GAL)	26-Apr-19
0001544146	-	White Traffic L/F Regular Dry	5	Gallon(GAL)	26-Apr-19
0001544125	-	White Traffic L/F Regular Dry	5	Gallon(GAL)	26-Apr-19
0001544137	-	White Traffic L/F Regular Dry	5	Gallon(GAL)	26-Apr-19
0001544133	-	White Traffic L/F Regular Dry	5	Gallon(GAL)	26-Apr-19
0001544120	-	White Traffic L/F Regular Dry	5	Gallon(GAL)	26-Apr-19
0001544121	-	White Traffic L/F Regular Dry	5	Gallon(GAL)	26-Apr-19
0001544122	-	White Traffic L/F Regular Dry	5	Gallon(GAL)	26-Apr-19
0001544124	-	White Traffic L/F Regular Dry	5	Gallon(GAL)	26-Apr-19
0001544126	-	White Traffic L/F Regular Dry	5	Gallon(GAL)	26-Apr-19
0001544127	-	White Traffic L/F Regular Dry	5	Gallon(GAL)	26-Apr-19
0001544128	-	White Traffic L/F Regular Dry	5	Gallon(GAL)	26-Apr-19
0001544129	-	White Traffic L/F Regular Dry	5	Gallon(GAL)	26-Apr-19

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001544130	-	White Traffic L/F Regular Dry	5	Gallon(GAL)	26-Apr-19
0001544131	-	White Traffic L/F Regular Dry	5	Gallon(GAL)	26-Apr-19
0001544119	-	White Traffic L/F Regular Dry	5	Gallon(GAL)	26-Apr-19
0001544132	-	White Traffic L/F Regular Dry	5	Gallon(GAL)	26-Apr-19
0001544123	-	White Traffic L/F Regular Dry	5	Gallon(GAL)	26-Apr-19
0001544148	-	Yellow Traffic L/F Regular Dry	5	Gallon(GAL)	26-Apr-19
0001544154	-	Yellow Traffic L/F Regular Dry	5	Gallon(GAL)	26-Apr-19
0001544157	-	Yellow Traffic L/F Regular Dry	5	Gallon(GAL)	26-Apr-19
0001544156	-	Yellow Traffic L/F Regular Dry	5	Gallon(GAL)	26-Apr-19
0001544155	-	Yellow Traffic L/F Regular Dry	5	Gallon(GAL)	26-Apr-19
0001544153	-	Yellow Traffic L/F Regular Dry	5	Gallon(GAL)	26-Apr-19
0001544152	-	Yellow Traffic L/F Regular Dry	5	Gallon(GAL)	26-Apr-19
0001544151	-	Yellow Traffic L/F Regular Dry	5	Gallon(GAL)	26-Apr-19
0001544149	-	Yellow Traffic L/F Regular Dry	5	Gallon(GAL)	26-Apr-19
0001544150	-	Yellow Traffic L/F Regular Dry	5	Gallon(GAL)	26-Apr-19
0001544158	-	CLEAR RTV SILICONE ADH. SLNT	3	Ounces(OZ)	26-Apr-19
0001544159	-	CLEAR RTV SILICONE ADH. SLNT	3	Ounces(OZ)	26-Apr-19
0001544160	-	CLEAR RTV SILICONE ADH. SLNT	3	Ounces(OZ)	26-Apr-19
0001596337	-	DEVCON 5-MINUTE EPOXY (resin bisphenyl and	25	Milliliter(ML)	29-Apr-19
0001596342	-	DEVCON 5-MINUTE EPOXY (resin bisphenyl and	25	Milliliter(ML)	29-Apr-19
0001596341	-	DEVCON 5-MINUTE EPOXY (resin bisphenyl and	25	Milliliter(ML)	29-Apr-19
0001596340	-	DEVCON 5-MINUTE EPOXY (resin bisphenyl and	25	Milliliter(ML)	29-Apr-19
0001596339	-	DEVCON 5-MINUTE EPOXY (resin bisphenyl and	25	Milliliter(ML)	29-Apr-19
0001596338	-	DEVCON 5-MINUTE EPOXY (resin bisphenyl and	25	Milliliter(ML)	29-Apr-19
0001597559	-	CELL PROLIFERATION REAGENT KIT	8	Milliliter(ML)	29-Apr-19
0001597560	-	CELL PROLIFERATION REAGENT KIT	8	Milliliter(ML)	29-Apr-19
0001597694	7447-41-8	LITHIUM CHLORIDE	50	Gram(GM)	29-Apr-19
0001597695	13465-61-7	Scandium(III) sulfate hydrate REacton	5	Gram(GM)	29-Apr-19
0001597696	20662-14-0	SCANDIUM CHLORIDE HEXAHYDRATE	5	Gram(GM)	29-Apr-19
0001597698	20662-14-0	SCANDIUM CHLORIDE HEXAHYDRATE	5	Gram(GM)	29-Apr-19
0001597699	20662-14-0	SCANDIUM CHLORIDE HEXAHYDRATE	5	Gram(GM)	29-Apr-19
0001597697	20662-14-0	SCANDIUM CHLORIDE HEXAHYDRATE	5	Gram(GM)	29-Apr-19
0001597700	12060-08-1	SCANDIUM(III) OXIDE	5	Gram(GM)	29-Apr-19
0001597701	12060-08-1	SCANDIUM(III) OXIDE	5	Gram(GM)	29-Apr-19
0001597703	12060-08-1	SCANDIUM(III) OXIDE	5	Gram(GM)	29-Apr-19
0001597702	12060-08-1	SCANDIUM(III) OXIDE	5	Gram(GM)	29-Apr-19
0001597704	-	TORR SEAL	135	Gram(GM)	29-Apr-19
0001597705	-	TORR SEAL	135	Gram(GM)	29-Apr-19
0001597706	15529-49-4	DICHLORO-TRIS TRIPHENYLPHOSPHINE	5	Gram(GM)	29-Apr-19
0001597707	-	LANL-2 Custom Solution	125	Milliliter(ML)	29-Apr-19
0001597708	-	LANL-2 Custom Solution	125	Milliliter(ML)	29-Apr-19
0001597709	-	LANL-16 Custom Solution	125	Milliliter(ML)	29-Apr-19
0001597710	-	LANL-16 Custom Solution	125	Milliliter(ML)	29-Apr-19
0001597711	-	1A:1B polyurethane compound	50	Milliliter(ML)	29-Apr-19
0001597713	-	1A:1B polyurethane compound	50	Milliliter(ML)	29-Apr-19
0001597724	-	1A:1B polyurethane compound	50	Milliliter(ML)	29-Apr-19
0001597723	-	1A:1B polyurethane compound	50	Milliliter(ML)	29-Apr-19
0001597722	-	1A:1B polyurethane compound	50	Milliliter(ML)	29-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001597721	-	1A:1B polyurethane compound	50	Milliliter(ML)	29-Apr-19
0001597720	-	1A:1B polyurethane compound	50	Milliliter(ML)	29-Apr-19
0001597719	-	1A:1B polyurethane compound	50	Milliliter(ML)	29-Apr-19
0001597718	-	1A:1B polyurethane compound	50	Milliliter(ML)	29-Apr-19
0001597725	-	1A:1B polyurethane compound	50	Milliliter(ML)	29-Apr-19
0001597715	-	1A:1B polyurethane compound	50	Milliliter(ML)	29-Apr-19
0001597716	-	1A:1B polyurethane compound	50	Milliliter(ML)	29-Apr-19
0001597712	-	1A:1B polyurethane compound	50	Milliliter(ML)	29-Apr-19
0001597717	-	1A:1B polyurethane compound	50	Milliliter(ML)	29-Apr-19
0001597714	-	1A:1B polyurethane compound	50	Milliliter(ML)	29-Apr-19
0001597726	372-09-8	CYANOACETIC ACID	500	Gram(GM)	29-Apr-19
0001597727	7647-14-5	SODIUM CHLORIDE CRYSTAL	10	Kilograms(KG)	29-Apr-19
0001597728	107-06-2	1 2-DICHLOROETHANE (ETHYLENE DICHLORIDE	4	Liters(L)	29-Apr-19
0001597729	64-17-5	ETHYL ALCOHOL	1	Pint(PT)	29-Apr-19
0001597738	64-17-5	ETHYL ALCOHOL	1	Pint(PT)	29-Apr-19
0001597751	64-17-5	ETHYL ALCOHOL	1	Pint(PT)	29-Apr-19
0001597749	64-17-5	ETHYL ALCOHOL	1	Pint(PT)	29-Apr-19
0001597747	64-17-5	ETHYL ALCOHOL	1	Pint(PT)	29-Apr-19
0001597746	64-17-5	ETHYL ALCOHOL	1	Pint(PT)	29-Apr-19
0001597745	64-17-5	ETHYL ALCOHOL	1	Pint(PT)	29-Apr-19
0001597744	64-17-5	ETHYL ALCOHOL	1	Pint(PT)	29-Apr-19
0001597743	64-17-5	ETHYL ALCOHOL	1	Pint(PT)	29-Apr-19
0001597742	64-17-5	ETHYL ALCOHOL	1	Pint(PT)	29-Apr-19
0001597741	64-17-5	ETHYL ALCOHOL	1	Pint(PT)	29-Apr-19
0001597752	64-17-5	ETHYL ALCOHOL	1	Pint(PT)	29-Apr-19
0001597739	64-17-5	ETHYL ALCOHOL	1	Pint(PT)	29-Apr-19
0001597750	64-17-5	ETHYL ALCOHOL	1	Pint(PT)	29-Apr-19
0001597737	64-17-5	ETHYL ALCOHOL	1	Pint(PT)	29-Apr-19
0001597736	64-17-5	ETHYL ALCOHOL	1	Pint(PT)	29-Apr-19
0001597735	64-17-5	ETHYL ALCOHOL	1	Pint(PT)	29-Apr-19
0001597734	64-17-5	ETHYL ALCOHOL	1	Pint(PT)	29-Apr-19
0001597733	64-17-5	ETHYL ALCOHOL	1	Pint(PT)	29-Apr-19
0001597732	64-17-5	ETHYL ALCOHOL	1	Pint(PT)	29-Apr-19
0001597731	64-17-5	ETHYL ALCOHOL	1	Pint(PT)	29-Apr-19
0001597730	64-17-5	ETHYL ALCOHOL	1	Pint(PT)	29-Apr-19
0001597740	64-17-5	ETHYL ALCOHOL	1	Pint(PT)	29-Apr-19
0001597748	64-17-5	ETHYL ALCOHOL	1	Pint(PT)	29-Apr-19
0001597753	107-06-2	1 2-DICHLOROETHANE	2	Liters(L)	29-Apr-19
0001597754	-	5-MINUTE EPOXY	25	Milliliter(ML)	29-Apr-19
0001597758	-	5-MINUTE EPOXY	25	Milliliter(ML)	29-Apr-19
0001597763	-	5-MINUTE EPOXY	25	Milliliter(ML)	29-Apr-19
0001597762	-	5-MINUTE EPOXY	25	Milliliter(ML)	29-Apr-19
0001597761	-	5-MINUTE EPOXY	25	Milliliter(ML)	29-Apr-19
0001597759	-	5-MINUTE EPOXY	25	Milliliter(ML)	29-Apr-19
0001597757	-	5-MINUTE EPOXY	25	Milliliter(ML)	29-Apr-19
0001597756	-	5-MINUTE EPOXY	25	Milliliter(ML)	29-Apr-19
0001597755	-	5-MINUTE EPOXY	25	Milliliter(ML)	29-Apr-19
0001597760	-	5-MINUTE EPOXY	25	Milliliter(ML)	29-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001597764	18820-29-6	MANGANESE (II) SULFIDE	25	Gram(GM)	29-Apr-19
0001597765	7440-02-0	NICKEL -325 MESH	25	Gram(GM)	29-Apr-19
0001597766	71-41-0	N-AMYL ALCOHOL	500	Milliliter(ML)	29-Apr-19
0001597767	28314-80-9	2 4 6-Trifluorobenzoic Acid	1	Gram(GM)	29-Apr-19
0001597768	28314-80-9	2 4 6-Trifluorobenzoic Acid	1	Gram(GM)	29-Apr-19
0001597769	7664-93-9	SULFURIC ACID	1	Liters(L)	29-Apr-19
0001597774	7664-93-9	SULFURIC ACID	1	Liters(L)	29-Apr-19
0001597770	7664-93-9	SULFURIC ACID	1	Liters(L)	29-Apr-19
0001597771	7664-93-9	SULFURIC ACID	1	Liters(L)	29-Apr-19
0001597772	7664-93-9	SULFURIC ACID	1	Liters(L)	29-Apr-19
0001597773	7664-93-9	SULFURIC ACID	1	Liters(L)	29-Apr-19
0001597775	7699-41-4	Silicic Acid (Precipitated Powder/Certified)	500	Gram(GM)	29-Apr-19
0001597776	68-12-2	N N-DIMETHYLFORMAMIDE	500	Gram(GM)	29-Apr-19
0001597777	68-12-2	N N-DIMETHYLFORMAMIDE	500	Gram(GM)	29-Apr-19
0001597778	7440-02-0	NICKEL POWDER	500	Gram(GM)	29-Apr-19
0001269879	57-13-6	UREA REAGENT ACS	500	Gram(GM)	29-Apr-19
0001544161	-	MOLYKOTE G-0010 Grease	14.1	Ounces(OZ)	29-Apr-19
0001544162	-	MOLYKOTE G-0010 Grease	14.1	Ounces(OZ)	29-Apr-19
0001544163	-	MOLYKOTE G-0010 Grease	14.1	Ounces(OZ)	29-Apr-19
0001544164	-	DuPont Non-Stick Dry Film Lubricant with Teflon	14	Ounces(OZ)	29-Apr-19
0001544165	-	DuPont Non-Stick Dry Film Lubricant with Teflon	14	Ounces(OZ)	29-Apr-19
0001146608	-	HEAVY SCRATCH REMOVER	8	Ounces(OZ)	29-Apr-19
0001146617	-	HEAVY SCRATCH REMOVER	8	Ounces(OZ)	29-Apr-19
0001146609	-	HEAVY SCRATCH REMOVER	8	Ounces(OZ)	29-Apr-19
0001146610	-	HEAVY SCRATCH REMOVER	8	Ounces(OZ)	29-Apr-19
0001146611	-	HEAVY SCRATCH REMOVER	8	Ounces(OZ)	29-Apr-19
0001146612	-	HEAVY SCRATCH REMOVER	8	Ounces(OZ)	29-Apr-19
0001146613	-	HEAVY SCRATCH REMOVER	8	Ounces(OZ)	29-Apr-19
0001146614	-	HEAVY SCRATCH REMOVER	8	Ounces(OZ)	29-Apr-19
0001146616	-	HEAVY SCRATCH REMOVER	8	Ounces(OZ)	29-Apr-19
0001146615	-	HEAVY SCRATCH REMOVER	8	Ounces(OZ)	29-Apr-19
0001146598	-	FINE SCRATCH REMOVER	8	Ounces(OZ)	29-Apr-19
0001146605	-	FINE SCRATCH REMOVER	8	Ounces(OZ)	29-Apr-19
0001146604	-	FINE SCRATCH REMOVER	8	Ounces(OZ)	29-Apr-19
0001146603	-	FINE SCRATCH REMOVER	8	Ounces(OZ)	29-Apr-19
0001146602	-	FINE SCRATCH REMOVER	8	Ounces(OZ)	29-Apr-19
0001146601	-	FINE SCRATCH REMOVER	8	Ounces(OZ)	29-Apr-19
0001146600	-	FINE SCRATCH REMOVER	8	Ounces(OZ)	29-Apr-19
0001146607	-	FINE SCRATCH REMOVER	8	Ounces(OZ)	29-Apr-19
0001146599	-	FINE SCRATCH REMOVER	8	Ounces(OZ)	29-Apr-19
0001146606	-	FINE SCRATCH REMOVER	8	Ounces(OZ)	29-Apr-19
0001146593	-	NOVUS PLASTIC POLISH NO. 1	8	Ounces(OZ)	29-Apr-19
0001146596	-	NOVUS PLASTIC POLISH NO. 1	8	Ounces(OZ)	29-Apr-19
0001146595	-	NOVUS PLASTIC POLISH NO. 1	8	Ounces(OZ)	29-Apr-19
0001146597	-	NOVUS PLASTIC POLISH NO. 1	8	Ounces(OZ)	29-Apr-19
0001146594	-	NOVUS PLASTIC POLISH NO. 1	8	Ounces(OZ)	29-Apr-19
0001596891	7719-09-7	THIONYL CHLORIDE	1	Liters(L)	29-Apr-19
0001597563	-	PSC Cryopreservation Kit	50	Milliliter(ML)	29-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001597564	848301-69-9	Diala S4 ZX-I	209	Liters(L)	29-Apr-19
0001597779	7789-24-4	LITHIUM FLUORIDE	5	Gram(GM)	29-Apr-19
0001597781	69011-17-2	AG MP-1M Anion Exchange Resin	500	Gram(GM)	29-Apr-19
0001597782	7440-42-8	BORON POWDER	10	Gram(GM)	29-Apr-19
0001597783	-	MAGNALUBE-G	14.5	Ounces(OZ)	29-Apr-19
0001597784	-	MAGNALUBE-G	14.5	Ounces(OZ)	29-Apr-19
0001597785	-	Blocker BSA (10X) in PBS	200	Milliliter(ML)	29-Apr-19
0001597786	7789-24-4	LITHIUM FLUORIDE	100	Gram(GM)	29-Apr-19
0001597787	12007-60-2	LITHIUM TETRABORATE	25	Gram(GM)	29-Apr-19
V000002CA8	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CA0	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CA1	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CA2	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CA3	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CA4	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CA5	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002C9F	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CA7	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002C9B	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CA9	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CAA	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CAB	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CAC	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CAD	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CAE	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CAF	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CB0	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CD0	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CA6	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002C8D	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002C94	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002C96	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002C97	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002C98	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002C93	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002C92	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002C91	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002C90	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002C9D	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002C8E	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002C9E	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002C8C	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002C8B	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002C8A	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002C89	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002C99	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002C9A	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002C9C	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002CB1	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002C8F	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CC7	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002C95	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CCF	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CCE	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CCD	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CCC	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CCB	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CCA	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CC8	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CB2	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CC6	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CC5	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CC4	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CC3	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CC2	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CB5	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CB3	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CC9	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CB4	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CC1	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CB6	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CB7	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CB8	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CB9	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CBA	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CBB	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CBC	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CBD	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CBE	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CBF	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
V000002CC0	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	29-Apr-19
0001597788	7787-32-8	BARIUM FLUORIDE	50	Gram(GM)	29-Apr-19
0001597794	7787-32-8	BARIUM FLUORIDE	50	Gram(GM)	29-Apr-19
0001597789	7787-32-8	BARIUM FLUORIDE	50	Gram(GM)	29-Apr-19
0001597790	7787-32-8	BARIUM FLUORIDE	50	Gram(GM)	29-Apr-19
0001597791	7787-32-8	BARIUM FLUORIDE	50	Gram(GM)	29-Apr-19
0001597792	7787-32-8	BARIUM FLUORIDE	50	Gram(GM)	29-Apr-19
0001597793	7787-32-8	BARIUM FLUORIDE	50	Gram(GM)	29-Apr-19
0001597795	-	DIPHONIX RESIN	500	Gram(GM)	29-Apr-19
0001597796	7664-93-9	SULFURIC ACID SOLUTIONS 29.6-70.3%	1	Liters(L)	29-Apr-19
0001597798	7664-93-9	SULFURIC ACID SOLUTIONS 29.6-70.3%	1	Liters(L)	29-Apr-19
0001597797	7664-93-9	SULFURIC ACID SOLUTIONS 29.6-70.3%	1	Liters(L)	29-Apr-19
0001597799	3375-31-3	PALLADIUM(II) ACETATE	10	Gram(GM)	29-Apr-19
0001597800	74-39-5	Magneson	25	Gram(GM)	29-Apr-19
0001597801	7664-93-9	Sulfuric Acid (Optima)	500	Milliliter(ML)	29-Apr-19
0001597802	11-21-2	2-UNDECANONE	100	Milliliter(ML)	29-Apr-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001597803	13465-61-7	Scandium(III) sulfate hydrate REacton	5	Gram(GM)	29-Apr-19
0001597805	13465-61-7	Scandium(III) sulfate hydrate REacton	5	Gram(GM)	29-Apr-19
0001597804	13465-61-7	Scandium(III) sulfate hydrate REacton	5	Gram(GM)	29-Apr-19
0001597806	1310-58-3	POTASSIUM HYDROXIDE	1	Kilograms(KG)	29-Apr-19
0001597807	127985-74-4	p-SCN-Bn-DOTA	100	Milligram(MG)	29-Apr-19
0001597808	-	TUNE UP SOLUTION	250	Milliliter(ML)	29-Apr-19
0001146618	7732-18-5	Hydrochloric Acid 30-31%	3000	Pounds(LB)	29-Apr-19
0001146619	7732-18-5	Hydrochloric Acid 30-31%	3000	Pounds(LB)	29-Apr-19
0001386728	-	ELECTRODE FILLING SOLUTION	2	Ounces(OZ)	29-Apr-19
0001384716	-	MAGNALUBE-G	14.5	Ounces(OZ)	30-Apr-19
0001595674	-	FC-770 FLUORINERT Electronic Liquid	44	Pounds(LB)	30-Apr-19
0001595679	-	FC-770 FLUORINERT Electronic Liquid	44	Pounds(LB)	30-Apr-19
0001595675	-	FC-770 FLUORINERT Electronic Liquid	44	Pounds(LB)	30-Apr-19
0001595676	-	FC-770 FLUORINERT Electronic Liquid	44	Pounds(LB)	30-Apr-19
0001595677	-	FC-770 FLUORINERT Electronic Liquid	44	Pounds(LB)	30-Apr-19
0001595678	-	FC-770 FLUORINERT Electronic Liquid	44	Pounds(LB)	30-Apr-19
0001596833	-	Crystalbond 509	90	Gram(GM)	30-Apr-19
0001596834	-	Crystalbond 509	90	Gram(GM)	30-Apr-19
0001596835	-	Crystalbond 509	90	Gram(GM)	30-Apr-19
0001597566	-	Dyed Polymer Particles (Red)	0.5	Gram(GM)	30-Apr-19
0001597847	13476-99-8	Vanadium(III) acetylacetonate	25	Gram(GM)	30-Apr-19
0001597848	13476-99-8	Vanadium(III) acetylacetonate	25	Gram(GM)	30-Apr-19
0001597850	13476-99-8	Vanadium(III) acetylacetonate	25	Gram(GM)	30-Apr-19
0001597849	13476-99-8	Vanadium(III) acetylacetonate	25	Gram(GM)	30-Apr-19
0001597851	148893-10-1	O-(7-Aza-1H-benzotriazol-1-yl)-N N N' N'-	100	Gram(GM)	30-Apr-19
0001597852	76-61-9	THYMOL BLUE	5	Gram(GM)	30-Apr-19
0001597853	76-60-8	BROMOCRESOL GREEN	5	Gram(GM)	30-Apr-19
0001597854	260-94-6	ACRIDINE	5	Gram(GM)	30-Apr-19
0001597855	290-37-9	PYRAZINE	25	Gram(GM)	30-Apr-19
0001597856	66943-05-3	1-AZA-15-CROWN	1	Gram(GM)	30-Apr-19
0001597857	-	DUPONT KRYTOX LVP GREASE	2	Ounces(OZ)	30-Apr-19
0001597864	-	DUPONT KRYTOX LVP GREASE	2	Ounces(OZ)	30-Apr-19
0001597863	-	DUPONT KRYTOX LVP GREASE	2	Ounces(OZ)	30-Apr-19
0001597861	-	DUPONT KRYTOX LVP GREASE	2	Ounces(OZ)	30-Apr-19
0001597858	-	DUPONT KRYTOX LVP GREASE	2	Ounces(OZ)	30-Apr-19
0001597859	-	DUPONT KRYTOX LVP GREASE	2	Ounces(OZ)	30-Apr-19
0001597860	-	DUPONT KRYTOX LVP GREASE	2	Ounces(OZ)	30-Apr-19
0001597862	-	DUPONT KRYTOX LVP GREASE	2	Ounces(OZ)	30-Apr-19
0001597865	7440-42-8	BORON AMORPHOUS	250	Gram(GM)	30-Apr-19
0001597866	7440-42-8	BORON POWDER	5	Gram(GM)	30-Apr-19
0001597868	7440-42-8	BORON POWDER	5	Gram(GM)	30-Apr-19
0001597867	7440-42-8	BORON POWDER	5	Gram(GM)	30-Apr-19
0001597872	7440-42-8	BORON POWDER	5	Gram(GM)	30-Apr-19
0001597870	7440-42-8	BORON POWDER	5	Gram(GM)	30-Apr-19
0001597869	7440-42-8	BORON POWDER	5	Gram(GM)	30-Apr-19
0001597873	7440-42-8	BORON POWDER	5	Gram(GM)	30-Apr-19
0001597874	7440-42-8	BORON POWDER	5	Gram(GM)	30-Apr-19
0001597875	7440-42-8	BORON POWDER	5	Gram(GM)	30-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001597871	7440-42-8	BORON POWDER	5	Gram(GM)	30-Apr-19
0001597876	-	DIMETHYLAMINE 2.0M SOLUTION IN	100	Milliliter(ML)	30-Apr-19
0001597877	124-40-3	Dimethylamine	100	Milliliter(ML)	30-Apr-19
0001573519	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001597878	7440-69-9	BISMUTH	500	Gram(GM)	30-Apr-19
0001597879	7440-69-9	BISMUTH	500	Gram(GM)	30-Apr-19
0001573579	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573578	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573577	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573575	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573573	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573572	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573580	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573586	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573574	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573576	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573581	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573582	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573583	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573584	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573556	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573587	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573588	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573526	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573590	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573571	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573585	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573544	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573532	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573533	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573534	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573535	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573536	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573537	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573538	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573539	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573540	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573541	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573531	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573543	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573546	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573545	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573547	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573549	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573550	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573551	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573552	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573553	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001573554	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573524	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573570	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573542	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573562	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573568	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573569	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573548	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573530	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573567	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573566	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573565	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573563	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573561	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573560	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573559	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573558	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573589	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573528	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573564	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573557	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573525	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573529	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573527	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573555	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573523	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573522	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573521	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573520	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573633	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573640	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573641	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573642	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573638	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573637	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573639	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573636	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573629	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573634	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573632	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573643	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573656	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573631	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573630	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573635	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573652	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573662	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573602	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001573628	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573660	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573659	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573658	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573657	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573654	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573653	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573644	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573651	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573650	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573649	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573648	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573647	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573646	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573645	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573655	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573598	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573604	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573606	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573605	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573661	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573603	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573601	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573608	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573599	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573609	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573597	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573596	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573595	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573594	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573593	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573592	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573591	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573600	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573617	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573626	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573625	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573624	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573623	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573622	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573621	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573620	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573607	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573618	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573627	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573616	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573615	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573614	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001573613	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573612	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573611	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573610	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573619	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573687	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573708	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573716	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573715	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573714	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573713	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573712	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573711	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573701	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573709	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573719	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573707	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573706	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573705	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573704	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573703	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573685	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573710	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573726	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573734	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573733	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573732	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573731	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573730	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573729	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573717	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573727	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573718	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573725	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573724	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573723	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573722	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573721	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573720	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573700	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573728	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573671	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573702	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573678	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573677	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573676	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573675	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573674	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001573680	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573672	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573681	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573670	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573669	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573668	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573667	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573666	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573665	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573664	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573673	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573691	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573699	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573698	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573697	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573696	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573695	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573694	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573679	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573692	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573663	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573690	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573689	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573688	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573686	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573684	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573683	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573682	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573693	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001597927	937-14-4	3-CHLOROPEROXYBENZOIC ACID	25	Gram(GM)	30-Apr-19
0001573740	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573780	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573788	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573787	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573786	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573785	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573784	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573783	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573773	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573781	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573791	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573779	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573778	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573777	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573776	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573775	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573738	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573782	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001573798	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573806	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573805	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573804	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573803	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573802	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573801	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573789	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573799	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573790	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573797	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573796	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573795	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573794	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573793	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573792	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573772	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573800	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573743	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573751	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573750	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573749	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573748	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573747	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573746	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573774	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573744	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573754	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573742	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573741	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573759	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573739	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573737	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573736	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573745	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573763	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573771	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573770	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573769	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573768	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573767	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573766	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573752	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573764	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573753	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573762	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573760	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573758	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001573757	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573756	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573755	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573735	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573765	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573761	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573814	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573809	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573810	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573811	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573813	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573815	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573816	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573817	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573818	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573808	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573807	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001573812	-	FORMULA 316	1.2	Ounces(OZ)	30-Apr-19
0001597928	823-96-1	Trimethylboroxine	5	Gram(GM)	30-Apr-19
0001597929	-	Roots ISO-VG 150	1	Gallon(GAL)	30-Apr-19
0001459142	25068-38-6	EPOXY RESIN	1	Pint(PT)	01-May-19
0001459144	25068-38-6	EPOXY RESIN	1	Pint(PT)	01-May-19
0001459146	25068-38-6	EPOXY RESIN	1	Pint(PT)	01-May-19
0001459145	25068-38-6	EPOXY RESIN	1	Pint(PT)	01-May-19
0001459143	25068-38-6	EPOXY RESIN	1	Pint(PT)	01-May-19
0000931201	7758-02-3	POTASSIUM BROMIDE	6	Milligram(MG)	01-May-19
0000931202	7758-02-3	POTASSIUM BROMIDE	6	Milligram(MG)	01-May-19
0001386338	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	01-May-19
0001573510	-	MOBIL 1 5W-50	1	Quarts(QT)	01-May-19
0001573512	-	MOBIL 1 5W-50	1	Quarts(QT)	01-May-19
0001573513	-	MOBIL 1 5W-50	1	Quarts(QT)	01-May-19
0001573511	-	MOBIL 1 5W-50	1	Quarts(QT)	01-May-19
V000002CE8	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	01-May-19
V000002CED	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	01-May-19
V000002CE0	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	01-May-19
V000002CDF	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	01-May-19
V000002CDE	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	01-May-19
V000002CEE	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	01-May-19
V000002CDC	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	01-May-19
V000002CF0	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	01-May-19
V000002CEF	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	01-May-19
V000002CDD	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	01-May-19
V000002CE6	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	01-May-19
V000002CE2	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	01-May-19
V000002CDB	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	01-May-19
V000002CE1	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	01-May-19
V000002CDA	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	01-May-19
V000002CE5	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	01-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002CE3	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	01-May-19
V000002CE7	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	01-May-19
V000002CEC	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	01-May-19
V000002CEB	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	01-May-19
V000002CEA	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	01-May-19
V000002CE9	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	01-May-19
V000002CD9	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	01-May-19
V000002CE4	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	01-May-19
V000002CF2	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	01-May-19
V000002CF1	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	01-May-19
V000002CF3	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	01-May-19
V000002CF4	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	01-May-19
V000002CF5	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	01-May-19
V000002CF6	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	01-May-19
V000002CF7	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	01-May-19
0001418662	-	Kester EP256HA Solder Paste	500	Gram(GM)	01-May-19
V000002CF8	-	PARTS PLUS HD SAE 30 PREMIUM MOTOR OIL	1	Quarts(QT)	01-May-19
V000002CF9	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	01-May-19
V000002CFC	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	01-May-19
V000002CFA	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	01-May-19
V000002CFD	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	01-May-19
V000002CFB	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	01-May-19
V000002CFF	-	Pentofrost A3	1	Gallon(GAL)	01-May-19
V000002D00	-	Pentofrost A3	1	Gallon(GAL)	01-May-19
V000002CFE	-	Pentofrost A3	1	Gallon(GAL)	01-May-19
V000002D04	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	01-May-19
V000002D0D	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	01-May-19
V000002D0C	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	01-May-19
V000002D0B	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	01-May-19
V000002D0A	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	01-May-19
V000002D09	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	01-May-19
V000002D08	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	01-May-19
V000002D07	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	01-May-19
V000002D05	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	01-May-19
V000002D10	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	01-May-19
V000002D03	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	01-May-19
V000002D02	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	01-May-19
V000002D01	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	01-May-19
V000002D06	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	01-May-19
V000002D11	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	01-May-19
V000002D12	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	01-May-19
V000002D13	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	01-May-19
V000002D14	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	01-May-19
V000002D15	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	01-May-19
V000002D0F	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	01-May-19
V000002D0E	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	01-May-19
V000002D17	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	01-May-19
V000002D1B	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	01-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002D1C	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	01-May-19
V000002D20	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	01-May-19
V000002D1F	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	01-May-19
V000002D1E	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	01-May-19
V000002D19	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	01-May-19
V000002D1A	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	01-May-19
V000002D16	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	01-May-19
V000002D1D	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	01-May-19
V000002D18	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	01-May-19
V000002D2B	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	01-May-19
V000002D2A	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	01-May-19
V000002D29	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	01-May-19
V000002D28	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	01-May-19
V000002D27	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	01-May-19
V000002D26	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	01-May-19
V000002D25	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	01-May-19
V000002D24	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	01-May-19
V000002D23	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	01-May-19
V000002D22	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	01-May-19
V000002D21	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	01-May-19
V000002D2C	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	01-May-19
V000002D38	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	01-May-19
V000002D36	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	01-May-19
V000002D4A	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	01-May-19
V000002D49	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	01-May-19
V000002D48	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	01-May-19
V000002D2D	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	01-May-19
V000002D2E	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	01-May-19
V000002D2F	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	01-May-19
V000002D30	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	01-May-19
V000002D31	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	01-May-19
V000002D32	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	01-May-19
V000002D33	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	01-May-19
V000002D3A	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	01-May-19
V000002D35	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	01-May-19
V000002D42	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	01-May-19
V000002D37	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	01-May-19
V000002D3C	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	01-May-19
V000002D39	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	01-May-19
V000002D47	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	01-May-19
V000002D3B	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	01-May-19
V000002D3D	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	01-May-19
V000002D3E	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	01-May-19
V000002D3F	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	01-May-19
V000002D40	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	01-May-19
V000002D41	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	01-May-19
V000002D34	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	01-May-19
V000002D45	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	01-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002D43	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	01-May-19
V000002D44	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	01-May-19
V000002D46	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	01-May-19
0001573514	-	Parts Plus Power Steering Fld	12	Ounces(OZ)	01-May-19
V000002D4B	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	01-May-19
V000002D4C	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	01-May-19
V000002D4D	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	01-May-19
V000002D4E	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	01-May-19
V000002D4F	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	01-May-19
0001573515	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	01-May-19
0001573516	-	Pyroil CARB & THROTTLE BODY CLEANER PYC16	13	Ounces(OZ)	01-May-19
V000002D50	-	Parts Plus SAE 80W-90 GEAR OIL	1	Quarts(QT)	01-May-19
V000002D51	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	01-May-19
V000002D52	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	01-May-19
V000002D53	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	01-May-19
V000002D54	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	01-May-19
0001420737	-	TRI-FLOW SUPERIOR LUBRICANT	50	Milliliter(ML)	01-May-19
0001565401	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Liters(L)	03-May-19
0001565402	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565404	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565405	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565406	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565403	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565467	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565476	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565475	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565474	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565473	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565472	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565471	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565470	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565468	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565466	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565465	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565464	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565483	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565477	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565469	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565487	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565481	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565463	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565462	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565491	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565490	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565478	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565488	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565486	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565485	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001565484	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565482	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565480	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565479	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565489	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001457502	-	Hydro Force Stainless Steel Cleaner and Polish	18	Ounces(OZ)	03-May-19
0001596842	-	Hocut Sym-C	5	Gallon(GAL)	03-May-19
0001596843	-	Hocut Sym-C	5	Gallon(GAL)	03-May-19
0001596844	-	Hocut Sym-C	5	Gallon(GAL)	03-May-19
0001596845	1309-48-4	MAGNESIUM OXIDE	10	Kilograms(KG)	03-May-19
0001565407	7782-44-7	OXYGEN COMPRESSED GAS	220	Cubic Feet(CF)	03-May-19
0001565413	7782-44-7	OXYGEN COMPRESSED GAS	220	Cubic Feet(CF)	03-May-19
0001565418	7782-44-7	OXYGEN COMPRESSED GAS	220	Cubic Feet(CF)	03-May-19
0001565417	7782-44-7	OXYGEN COMPRESSED GAS	220	Cubic Feet(CF)	03-May-19
0001565416	7782-44-7	OXYGEN COMPRESSED GAS	220	Cubic Feet(CF)	03-May-19
0001565412	7782-44-7	OXYGEN COMPRESSED GAS	220	Cubic Feet(CF)	03-May-19
0001565411	7782-44-7	OXYGEN COMPRESSED GAS	220	Cubic Feet(CF)	03-May-19
0001565410	7782-44-7	OXYGEN COMPRESSED GAS	220	Cubic Feet(CF)	03-May-19
0001565409	7782-44-7	OXYGEN COMPRESSED GAS	220	Cubic Feet(CF)	03-May-19
0001565408	7782-44-7	OXYGEN COMPRESSED GAS	220	Cubic Feet(CF)	03-May-19
0001565414	7782-44-7	OXYGEN COMPRESSED GAS	220	Cubic Feet(CF)	03-May-19
0001565415	7782-44-7	OXYGEN COMPRESSED GAS	220	Cubic Feet(CF)	03-May-19
0001565419	-	AIR COMPRESSED	220	Cubic Feet(CF)	03-May-19
0001565422	-	AIR COMPRESSED	220	Cubic Feet(CF)	03-May-19
0001565427	-	AIR COMPRESSED	220	Cubic Feet(CF)	03-May-19
0001565426	-	AIR COMPRESSED	220	Cubic Feet(CF)	03-May-19
0001565425	-	AIR COMPRESSED	220	Cubic Feet(CF)	03-May-19
0001565424	-	AIR COMPRESSED	220	Cubic Feet(CF)	03-May-19
0001565423	-	AIR COMPRESSED	220	Cubic Feet(CF)	03-May-19
0001565421	-	AIR COMPRESSED	220	Cubic Feet(CF)	03-May-19
0001565420	-	AIR COMPRESSED	220	Cubic Feet(CF)	03-May-19
0001565428	-	25% CARBON DIOXIDE/75% ARGON	220	Cubic Feet(CF)	03-May-19
0001565429	-	25% CARBON DIOXIDE/75% ARGON	220	Cubic Feet(CF)	03-May-19
0001565430	-	25% CARBON DIOXIDE/75% ARGON	220	Cubic Feet(CF)	03-May-19
0001565431	-	25% CARBON DIOXIDE/75% ARGON	220	Cubic Feet(CF)	03-May-19
0001565432	-	Nitrogen UHP	220	Cubic Feet(CF)	03-May-19
0001565446	-	Nitrogen UHP	220	Cubic Feet(CF)	03-May-19
0001565442	-	Nitrogen UHP	220	Cubic Feet(CF)	03-May-19
0001565433	-	Nitrogen UHP	220	Cubic Feet(CF)	03-May-19
0001565445	-	Nitrogen UHP	220	Cubic Feet(CF)	03-May-19
0001565443	-	Nitrogen UHP	220	Cubic Feet(CF)	03-May-19
0001565441	-	Nitrogen UHP	220	Cubic Feet(CF)	03-May-19
0001565440	-	Nitrogen UHP	220	Cubic Feet(CF)	03-May-19
0001565439	-	Nitrogen UHP	220	Cubic Feet(CF)	03-May-19
0001565438	-	Nitrogen UHP	220	Cubic Feet(CF)	03-May-19
0001565437	-	Nitrogen UHP	220	Cubic Feet(CF)	03-May-19
0001565436	-	Nitrogen UHP	220	Cubic Feet(CF)	03-May-19
0001565435	-	Nitrogen UHP	220	Cubic Feet(CF)	03-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001565434	-	Nitrogen UHP	220	Cubic Feet(CF)	03-May-19
0001565444	-	Nitrogen UHP	220	Cubic Feet(CF)	03-May-19
0001596846	1309-48-4	MAGNESIUM OXIDE	10	Kilograms(KG)	03-May-19
0001565447	-	Argon UHP	220	Cubic Feet(CF)	03-May-19
0001565450	-	Argon UHP	220	Cubic Feet(CF)	03-May-19
0001565456	-	Argon UHP	220	Cubic Feet(CF)	03-May-19
0001565461	-	Argon UHP	220	Cubic Feet(CF)	03-May-19
0001565460	-	Argon UHP	220	Cubic Feet(CF)	03-May-19
0001565459	-	Argon UHP	220	Cubic Feet(CF)	03-May-19
0001565458	-	Argon UHP	220	Cubic Feet(CF)	03-May-19
0001565457	-	Argon UHP	220	Cubic Feet(CF)	03-May-19
0001565455	-	Argon UHP	220	Cubic Feet(CF)	03-May-19
0001565454	-	Argon UHP	220	Cubic Feet(CF)	03-May-19
0001565453	-	Argon UHP	220	Cubic Feet(CF)	03-May-19
0001565451	-	Argon UHP	220	Cubic Feet(CF)	03-May-19
0001565449	-	Argon UHP	220	Cubic Feet(CF)	03-May-19
0001565448	-	Argon UHP	220	Cubic Feet(CF)	03-May-19
0001565452	-	Argon UHP	220	Cubic Feet(CF)	03-May-19
0001565492	74-98-6	PROPANE	50	Pounds(LB)	03-May-19
0001565493	74-98-6	PROPANE	220	Cubic Feet(CF)	03-May-19
0001565494	74-98-6	PROPANE	220	Cubic Feet(CF)	03-May-19
0001565495	74-98-6	PROPANE	220	Cubic Feet(CF)	03-May-19
0001565496	74-98-6	PROPANE	220	Cubic Feet(CF)	03-May-19
0001565497	74-98-6	PROPANE	25	Pounds(LB)	03-May-19
0001565498	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	03-May-19
0001565509	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	03-May-19
0001565517	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	03-May-19
0001565516	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	03-May-19
0001565515	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	03-May-19
0001565514	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	03-May-19
0001565499	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	03-May-19
0001565512	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	03-May-19
0001565510	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	03-May-19
0001565513	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	03-May-19
0001565508	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	03-May-19
0001565507	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	03-May-19
0001565506	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	03-May-19
0001565505	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	03-May-19
0001565504	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	03-May-19
0001565503	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	03-May-19
0001565502	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	03-May-19
0001565501	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	03-May-19
0001565500	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	03-May-19
0001565511	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	03-May-19
0001565519	7727-37-9	NITROGEN COMPRESSED GAS	20	Cubic Feet(CF)	03-May-19
0001565518	7727-37-9	NITROGEN COMPRESSED GAS	20	Cubic Feet(CF)	03-May-19
0001565520	7727-37-9	NITROGEN COMPRESSED GAS	40	Cubic Feet(CF)	03-May-19
0001565521	7727-37-9	NITROGEN COMPRESSED GAS	40	Cubic Feet(CF)	03-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001541647	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541667	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541668	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541669	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541670	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541671	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541672	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541674	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541688	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541673	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541715	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541705	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541724	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541723	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541722	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541721	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541720	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541719	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541718	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541726	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541716	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541727	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541714	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541713	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541712	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541711	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541710	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541709	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541708	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541707	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541686	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541717	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541737	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541747	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541746	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541745	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541744	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541743	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541742	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541741	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541740	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541725	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541738	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541704	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541736	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541735	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541734	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541733	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001541732	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541731	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541730	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541729	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541728	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541739	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541656	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541706	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541677	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541648	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541649	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541650	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541651	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541652	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541653	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541679	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541655	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541680	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541657	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541658	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541659	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541660	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541661	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541662	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541663	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541664	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541665	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541654	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541693	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541703	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541702	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541701	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541700	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541699	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541698	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541697	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541696	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541678	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541694	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541666	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541691	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541689	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541690	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541687	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541685	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541684	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541683	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541682	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001541681	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541695	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541675	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541676	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541692	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541757	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541748	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541749	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541750	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541751	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541752	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541753	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541754	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541756	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541758	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541759	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541760	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541761	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541762	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541763	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541764	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541765	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001541755	-	EcoWorks Cleaning Agent	2	Ounces(OZ)	03-May-19
0001597906	-	GORILLA GLUE	15	Gram(GM)	03-May-19
0001597907	25068-38-6	Loctite Epoxy Instant Mix	0.47	Ounces(OZ)	03-May-19
0001597908	67-56-1	METHANOL	2	Liters(L)	03-May-19
0001597910	67-56-1	METHANOL	2	Liters(L)	03-May-19
0001597909	67-56-1	METHANOL	2	Liters(L)	03-May-19
0001597911	67-56-1	METHANOL	2	Liters(L)	03-May-19
0001597912	109-66-0	PENTANE ANHYDROUS	1	Liters(L)	03-May-19
0001597913	109-66-0	PENTANE ANHYDROUS	1	Liters(L)	03-May-19
0001597914	109-66-0	PENTANE ANHYDROUS	1	Liters(L)	03-May-19
0001597915	109-66-0	PENTANE ANHYDROUS	1	Liters(L)	03-May-19
0001597916	109-66-0	PENTANE ANHYDROUS	1	Liters(L)	03-May-19
0001597917	109-66-0	PENTANE ANHYDROUS	1	Liters(L)	03-May-19
0001597918	110-86-1	PYRIDINE (PYRIDINE ANHYDROUS)	1	Liters(L)	03-May-19
0001597923	110-86-1	PYRIDINE (PYRIDINE ANHYDROUS)	1	Liters(L)	03-May-19
0001597922	110-86-1	PYRIDINE (PYRIDINE ANHYDROUS)	1	Liters(L)	03-May-19
0001597920	110-86-1	PYRIDINE (PYRIDINE ANHYDROUS)	1	Liters(L)	03-May-19
0001597919	110-86-1	PYRIDINE (PYRIDINE ANHYDROUS)	1	Liters(L)	03-May-19
0001597921	110-86-1	PYRIDINE (PYRIDINE ANHYDROUS)	1	Liters(L)	03-May-19
0001597924	4249-10-9	TETRAMETHYLCYCLOPENTADIENE	5	Gram(GM)	03-May-19
0001597925	4249-10-9	TETRAMETHYLCYCLOPENTADIENE	5	Gram(GM)	03-May-19
0001597926	75-77-4	CHLOROTRIMETHYLSILANE	1	Liters(L)	03-May-19
0001597936	7601-90-3	PERCHLORIC ACID OPTIMA	500	Milliliter(ML)	03-May-19
0001597939	7601-90-3	PERCHLORIC ACID OPTIMA	500	Milliliter(ML)	03-May-19
0001597942	7601-90-3	PERCHLORIC ACID OPTIMA	500	Milliliter(ML)	03-May-19
0001597941	7601-90-3	PERCHLORIC ACID OPTIMA	500	Milliliter(ML)	03-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001597940	7601-90-3	PERCHLORIC ACID OPTIMA	500	Milliliter(ML)	03-May-19
0001597937	7601-90-3	PERCHLORIC ACID OPTIMA	500	Milliliter(ML)	03-May-19
0001597938	7601-90-3	PERCHLORIC ACID OPTIMA	500	Milliliter(ML)	03-May-19
0001598007	14335-33-2	PHOSPHORIC ACID D3	50	Gram(GM)	03-May-19
0001598008	2524-52-9	Ethyl Pyridine-2-carboxylate	25	Gram(GM)	03-May-19
0001598009	-	3M SODIUM ACETATE	100	Milliliter(ML)	03-May-19
0001598010	1271-19-8	BIS(CYCLOPENTADIENYL) TITANIUM DICHLORIDE	25	Gram(GM)	03-May-19
0001598011	10361-37-2	BARIUM CHLORIDE ANHYDROUS	100	Gram(GM)	03-May-19
0001598012	10361-37-2	BARIUM CHLORIDE ANHYDROUS	100	Gram(GM)	03-May-19
0001565277	7440-59-7	HELIUM	20	Cubic Feet(CF)	03-May-19
0001598013	-	Chloride TNTplus Vial Test	50	Milliliter(ML)	03-May-19
0001598015	-	Chloride TNTplus Vial Test	50	Milliliter(ML)	03-May-19
0001598016	-	Chloride TNTplus Vial Test	50	Milliliter(ML)	03-May-19
0001598017	-	Chloride TNTplus Vial Test	50	Milliliter(ML)	03-May-19
0001598014	-	Chloride TNTplus Vial Test	50	Milliliter(ML)	03-May-19
0001598018	-	Water Hardness TNTplus Vial Test	50	Milliliter(ML)	03-May-19
0001598020	-	Water Hardness TNTplus Vial Test	50	Milliliter(ML)	03-May-19
0001598019	-	Water Hardness TNTplus Vial Test	50	Milliliter(ML)	03-May-19
0001598022	-	Water Hardness TNTplus Vial Test	50	Milliliter(ML)	03-May-19
0001598021	-	Water Hardness TNTplus Vial Test	50	Milliliter(ML)	03-May-19
0001598023	7440-47-3	CHROMIUM METAL PURE ELECTROLYTIC	25	Gram(GM)	03-May-19
0001565280	7440-37-1	ARGON COMPRESSED	10	Cubic Feet(CF)	03-May-19
0001598024	-	Photoresist Remover	1	Gallon(GAL)	03-May-19
0001598025	-	Posistrip Positive Photoresist Remover	1	Gallon(GAL)	03-May-19
0001598026	76089-77-5	CERIUM (III) TRIFLUOROMETHANESULFONATE	5	Gram(GM)	03-May-19
0001598071	64742-65-0	FisherBrand 19 Mechanical Pump Oil.	1	Liters(L)	03-May-19
0001598075	64742-65-0	FisherBrand 19 Mechanical Pump Oil.	1	Liters(L)	03-May-19
0001598081	64742-65-0	FisherBrand 19 Mechanical Pump Oil.	1	Liters(L)	03-May-19
0001598080	64742-65-0	FisherBrand 19 Mechanical Pump Oil.	1	Liters(L)	03-May-19
0001598079	64742-65-0	FisherBrand 19 Mechanical Pump Oil.	1	Liters(L)	03-May-19
0001598078	64742-65-0	FisherBrand 19 Mechanical Pump Oil.	1	Liters(L)	03-May-19
0001598076	64742-65-0	FisherBrand 19 Mechanical Pump Oil.	1	Liters(L)	03-May-19
0001598074	64742-65-0	FisherBrand 19 Mechanical Pump Oil.	1	Liters(L)	03-May-19
0001598073	64742-65-0	FisherBrand 19 Mechanical Pump Oil.	1	Liters(L)	03-May-19
0001598072	64742-65-0	FisherBrand 19 Mechanical Pump Oil.	1	Liters(L)	03-May-19
0001598082	64742-65-0	FisherBrand 19 Mechanical Pump Oil.	1	Liters(L)	03-May-19
0001598077	64742-65-0	FisherBrand 19 Mechanical Pump Oil.	1	Liters(L)	03-May-19
0001598083	71-43-2	BENZENE	1	Liters(L)	03-May-19
0001598084	71-43-2	BENZENE	1	Liters(L)	03-May-19
0001598085	126-73-8	TRIBUTYL PHOSPHATE	500	Milliliter(ML)	03-May-19
0001598086	126-73-8	TRIBUTYL PHOSPHATE	500	Milliliter(ML)	03-May-19
0001598087	126-73-8	TRIBUTYL PHOSPHATE	500	Milliliter(ML)	03-May-19
0001598088	51-35-4	H-Hyp-OH	25	Gram(GM)	03-May-19
0001598089	88-05-1	2 4 6-TRIMETHYLANILINE	100	Milliliter(ML)	03-May-19
0001598090	88-05-1	2 4 6-TRIMETHYLANILINE	100	Milliliter(ML)	03-May-19
0001598091	75-03-6	IODOETHANE (ETHYL IODIDE)	100	Gram(GM)	03-May-19
0001598092	100-39-0	BENZYL BROMIDE	100	Gram(GM)	03-May-19
0001598093	103-63-9	(2-Bromoethyl)benzene	100	Gram(GM)	03-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001598094	32503-27-8	TETRABUTYLAMMONIUM HYDROGEN SULFATE	500	Gram(GM)	03-May-19
0001598095	-	SUPER 77 MULTIPURPOSE ADHESIVE	13.6	Ounces(OZ)	03-May-19
0001598098	-	SUPER 77 MULTIPURPOSE ADHESIVE	13.6	Ounces(OZ)	03-May-19
0001598096	-	SUPER 77 MULTIPURPOSE ADHESIVE	13.6	Ounces(OZ)	03-May-19
0001598097	-	SUPER 77 MULTIPURPOSE ADHESIVE	13.6	Ounces(OZ)	03-May-19
0001598099	-	SUPER 77 MULTIPURPOSE ADHESIVE	13.6	Ounces(OZ)	03-May-19
0001598100	-	SUPER 77 MULTIPURPOSE ADHESIVE	13.6	Ounces(OZ)	03-May-19
0001598106	-	SUPER 77 MULTIPURPOSE ADHESIVE	13.6	Ounces(OZ)	03-May-19
0001598102	-	SUPER 77 MULTIPURPOSE ADHESIVE	13.6	Ounces(OZ)	03-May-19
0001598103	-	SUPER 77 MULTIPURPOSE ADHESIVE	13.6	Ounces(OZ)	03-May-19
0001598104	-	SUPER 77 MULTIPURPOSE ADHESIVE	13.6	Ounces(OZ)	03-May-19
0001598101	-	SUPER 77 MULTIPURPOSE ADHESIVE	13.6	Ounces(OZ)	03-May-19
0001598105	-	SUPER 77 MULTIPURPOSE ADHESIVE	13.6	Ounces(OZ)	03-May-19
0001598107	57-55-6	1 2-PROPANEDIOL	5	Liters(L)	03-May-19
0001598108	67-64-1	ACETONE	2.5	Liters(L)	03-May-19
0001637644	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	03-May-19
0001637648	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	03-May-19
0001637649	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	03-May-19
0001637647	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	03-May-19
0001637646	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	03-May-19
0001637645	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	03-May-19
0001637633	-	Amplex Diamond Compound Type W522C	50	Milliliter(ML)	03-May-19
0001637637	-	Amplex Diamond Compound Type W522C	50	Milliliter(ML)	03-May-19
0001637636	-	Amplex Diamond Compound Type W522C	50	Milliliter(ML)	03-May-19
0001637635	-	Amplex Diamond Compound Type W522C	50	Milliliter(ML)	03-May-19
0001637634	-	Amplex Diamond Compound Type W522C	50	Milliliter(ML)	03-May-19
0001437628	-	OS	5	Gram(GM)	03-May-19
0001637631	-	OS	5	Gram(GM)	03-May-19
0001637632	-	OS	5	Gram(GM)	03-May-19
0001637629	-	OS	5	Gram(GM)	03-May-19
0001637630	-	OS	5	Gram(GM)	03-May-19
0001637623	-	OS	5	Gram(GM)	03-May-19
0001637626	-	OS	5	Gram(GM)	03-May-19
0001637624	-	OS	5	Gram(GM)	03-May-19
0001637625	-	OS	5	Gram(GM)	03-May-19
0001637627	-	OS	5	Gram(GM)	03-May-19
0001437638	-	Hilti HIT-HY 200-R	11.1	Ounces(OZ)	03-May-19
0001637640	-	Hilti HIT-HY 200-R	11.1	Ounces(OZ)	03-May-19
0001637641	-	Hilti HIT-HY 200-R	11.1	Ounces(OZ)	03-May-19
0001637642	-	Hilti HIT-HY 200-R	11.1	Ounces(OZ)	03-May-19
0001637643	-	Hilti HIT-HY 200-R	11.1	Ounces(OZ)	03-May-19
0001637639	-	Hilti HIT-HY 200-R	11.1	Ounces(OZ)	03-May-19
0001488644	-	Steel Reinforced Epoxy Resin	0.85	Ounces(OZ)	03-May-19
0001488645	-	Steel Reinforced Epoxy Resin	0.85	Ounces(OZ)	03-May-19
0001637599	-	Simple Green All-Purpose Cleaner	24	Ounces(OZ)	03-May-19
0001637613	-	Simple Green All-Purpose Cleaner	24	Ounces(OZ)	03-May-19
0001637615	-	Simple Green All-Purpose Cleaner	24	Ounces(OZ)	03-May-19
0001637600	-	Simple Green All-Purpose Cleaner	24	Ounces(OZ)	03-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001637601	-	Simple Green All-Purpose Cleaner	24	Ounces(OZ)	03-May-19
0001637616	-	Simple Green All-Purpose Cleaner	24	Ounces(OZ)	03-May-19
0001637617	-	Simple Green All-Purpose Cleaner	24	Ounces(OZ)	03-May-19
0001637618	-	Simple Green All-Purpose Cleaner	24	Ounces(OZ)	03-May-19
0001637602	-	Simple Green All-Purpose Cleaner	24	Ounces(OZ)	03-May-19
0001637620	-	Simple Green All-Purpose Cleaner	24	Ounces(OZ)	03-May-19
0001637621	-	Simple Green All-Purpose Cleaner	24	Ounces(OZ)	03-May-19
0001637622	-	Simple Green All-Purpose Cleaner	24	Ounces(OZ)	03-May-19
0001637619	-	Simple Green All-Purpose Cleaner	24	Ounces(OZ)	03-May-19
0001637606	-	Simple Green All-Purpose Cleaner	24	Ounces(OZ)	03-May-19
0001637614	-	Simple Green All-Purpose Cleaner	24	Ounces(OZ)	03-May-19
0001637603	-	Simple Green All-Purpose Cleaner	24	Ounces(OZ)	03-May-19
0001637605	-	Simple Green All-Purpose Cleaner	24	Ounces(OZ)	03-May-19
0001637607	-	Simple Green All-Purpose Cleaner	24	Ounces(OZ)	03-May-19
0001637608	-	Simple Green All-Purpose Cleaner	24	Ounces(OZ)	03-May-19
0001637609	-	Simple Green All-Purpose Cleaner	24	Ounces(OZ)	03-May-19
0001637611	-	Simple Green All-Purpose Cleaner	24	Ounces(OZ)	03-May-19
0001637604	-	Simple Green All-Purpose Cleaner	24	Ounces(OZ)	03-May-19
0001637612	-	Simple Green All-Purpose Cleaner	24	Ounces(OZ)	03-May-19
0001637610	-	Simple Green All-Purpose Cleaner	24	Ounces(OZ)	03-May-19
0001488615	-	TAPMATIC NATURAL CUTTING FLUID	16	Ounces(OZ)	03-May-19
0001488624	-	TAPMATIC NATURAL CUTTING FLUID	16	Ounces(OZ)	03-May-19
0001488625	-	TAPMATIC NATURAL CUTTING FLUID	16	Ounces(OZ)	03-May-19
0001488626	-	TAPMATIC NATURAL CUTTING FLUID	16	Ounces(OZ)	03-May-19
0001488623	-	TAPMATIC NATURAL CUTTING FLUID	16	Ounces(OZ)	03-May-19
0001488622	-	TAPMATIC NATURAL CUTTING FLUID	16	Ounces(OZ)	03-May-19
0001488621	-	TAPMATIC NATURAL CUTTING FLUID	16	Ounces(OZ)	03-May-19
0001488619	-	TAPMATIC NATURAL CUTTING FLUID	16	Ounces(OZ)	03-May-19
0001488618	-	TAPMATIC NATURAL CUTTING FLUID	16	Ounces(OZ)	03-May-19
0001488617	-	TAPMATIC NATURAL CUTTING FLUID	16	Ounces(OZ)	03-May-19
0001488616	-	TAPMATIC NATURAL CUTTING FLUID	16	Ounces(OZ)	03-May-19
0001488620	-	TAPMATIC NATURAL CUTTING FLUID	16	Ounces(OZ)	03-May-19
0001488634	-	RTV SEALANT CLEAR	3	Ounces(OZ)	03-May-19
0001488641	-	RTV SEALANT CLEAR	3	Ounces(OZ)	03-May-19
0001488640	-	RTV SEALANT CLEAR	3	Ounces(OZ)	03-May-19
0001488639	-	RTV SEALANT CLEAR	3	Ounces(OZ)	03-May-19
0001488638	-	RTV SEALANT CLEAR	3	Ounces(OZ)	03-May-19
0001488637	-	RTV SEALANT CLEAR	3	Ounces(OZ)	03-May-19
0001488643	-	RTV SEALANT CLEAR	3	Ounces(OZ)	03-May-19
0001488635	-	RTV SEALANT CLEAR	3	Ounces(OZ)	03-May-19
0001488642	-	RTV SEALANT CLEAR	3	Ounces(OZ)	03-May-19
0001488636	-	RTV SEALANT CLEAR	3	Ounces(OZ)	03-May-19
0001488627	-	Hilti HIT-HY-200-A	11	Ounces(OZ)	03-May-19
0001488628	-	Hilti HIT-HY-200-A	11	Ounces(OZ)	03-May-19
0001488629	-	Hilti HIT-HY-200-A	11	Ounces(OZ)	03-May-19
0001488655	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488666	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488678	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001488677	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488676	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488675	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488674	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488673	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488672	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488671	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488670	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488669	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488679	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488667	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488660	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488665	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488664	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488663	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488662	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488661	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488659	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488657	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488656	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488668	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488693	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488700	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488701	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488699	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488698	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488697	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488702	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488703	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488680	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488658	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488704	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488696	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488694	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488687	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488681	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488682	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488683	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488684	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488695	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488686	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488688	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488689	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488690	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488691	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488692	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001488685	-	5-MINUTE EPOXY	1	Ounces(OZ)	03-May-19
0001596837	8748301-69-9	Diala S4 ZX-1	209	Liters(L)	06-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001459148	-	Posistrip Positive Photoresist Remover	1	Gallon(GAL)	06-May-19
0001459151	-	Posistrip Positive Photoresist Remover	1	Gallon(GAL)	06-May-19
0001459152	-	Posistrip Positive Photoresist Remover	1	Gallon(GAL)	06-May-19
0001459149	-	Posistrip Positive Photoresist Remover	1	Gallon(GAL)	06-May-19
0001459147	-	Posistrip Positive Photoresist Remover	1	Gallon(GAL)	06-May-19
0001459150	-	Posistrip Positive Photoresist Remover	1	Gallon(GAL)	06-May-19
0001597943	-	Durabond 954	1	Pint(PT)	06-May-19
0001597944	6419-19-8	NITRILOTRIS(METHYLENE)TRIPHOSPHONIC ACID	500	Milliliter(ML)	06-May-19
0001597946	-	SKD-S2 Aerosol	16	Ounces(OZ)	06-May-19
0001597947	-	TORR SEAL EPOXY	118	Gram(GM)	06-May-19
0001597948	-	TORR SEAL EPOXY	118	Gram(GM)	06-May-19
0001597949	75-45-6	FALCON DUST-OFF	12	Ounces(OZ)	06-May-19
0001597952	75-45-6	FALCON DUST-OFF	12	Ounces(OZ)	06-May-19
0001597950	75-45-6	FALCON DUST-OFF	12	Ounces(OZ)	06-May-19
0001597951	75-45-6	FALCON DUST-OFF	12	Ounces(OZ)	06-May-19
0001597953	7439-89-6	IRON POWDER	500	Gram(GM)	06-May-19
0001574260	-	FORMULA 316	1.2	Ounces(OZ)	06-May-19
0001574283	-	FORMULA 316	1.2	Ounces(OZ)	06-May-19
0001574293	-	FORMULA 316	1.2	Ounces(OZ)	06-May-19
0001574292	-	FORMULA 316	1.2	Ounces(OZ)	06-May-19
0001574291	-	FORMULA 316	1.2	Ounces(OZ)	06-May-19
0001574274	-	FORMULA 316	1.2	Ounces(OZ)	06-May-19
0001574290	-	FORMULA 316	1.2	Ounces(OZ)	06-May-19
0001574289	-	FORMULA 316	1.2	Ounces(OZ)	06-May-19
0001574275	-	FORMULA 316	1.2	Ounces(OZ)	06-May-19
0001574279	-	FORMULA 316	1.2	Ounces(OZ)	06-May-19
0001574276	-	FORMULA 316	1.2	Ounces(OZ)	06-May-19
0001574282	-	FORMULA 316	1.2	Ounces(OZ)	06-May-19
0001574294	-	FORMULA 316	1.2	Ounces(OZ)	06-May-19
0001574280	-	FORMULA 316	1.2	Ounces(OZ)	06-May-19
0001574284	-	FORMULA 316	1.2	Ounces(OZ)	06-May-19
0001574285	-	FORMULA 316	1.2	Ounces(OZ)	06-May-19
0001574277	-	FORMULA 316	1.2	Ounces(OZ)	06-May-19
0001574288	-	FORMULA 316	1.2	Ounces(OZ)	06-May-19
0001574286	-	FORMULA 316	1.2	Ounces(OZ)	06-May-19
0001574265	-	FORMULA 316	1.2	Ounces(OZ)	06-May-19
0001574287	-	FORMULA 316	1.2	Ounces(OZ)	06-May-19
0001574278	-	FORMULA 316	1.2	Ounces(OZ)	06-May-19
0001574261	-	FORMULA 316	1.2	Ounces(OZ)	06-May-19
0001574299	-	FORMULA 316	1.2	Ounces(OZ)	06-May-19
0001574298	-	FORMULA 316	1.2	Ounces(OZ)	06-May-19
0001574297	-	FORMULA 316	1.2	Ounces(OZ)	06-May-19
0001574267	-	FORMULA 316	1.2	Ounces(OZ)	06-May-19
0001574273	-	FORMULA 316	1.2	Ounces(OZ)	06-May-19
0001574296	-	FORMULA 316	1.2	Ounces(OZ)	06-May-19
0001574295	-	FORMULA 316	1.2	Ounces(OZ)	06-May-19
0001574281	-	FORMULA 316	1.2	Ounces(OZ)	06-May-19
0001574262	-	FORMULA 316	1.2	Ounces(OZ)	06-May-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001574263	-	FORMULA 316	1.2	Ounces(OZ)	06-May-19
0001574264	-	FORMULA 316	1.2	Ounces(OZ)	06-May-19
0001574266	-	FORMULA 316	1.2	Ounces(OZ)	06-May-19
0001574268	-	FORMULA 316	1.2	Ounces(OZ)	06-May-19
0001574269	-	FORMULA 316	1.2	Ounces(OZ)	06-May-19
0001574272	-	FORMULA 316	1.2	Ounces(OZ)	06-May-19
0001574271	-	FORMULA 316	1.2	Ounces(OZ)	06-May-19
0001574270	-	FORMULA 316	1.2	Ounces(OZ)	06-May-19
0001597954	1313-82-2	SODIUM SULFIDE ANHYDROUS	5	Gram(GM)	06-May-19
0001597955	112-90-3	OLEYLAMINE	5	Gram(GM)	06-May-19
0001597956	15573-38-3	TRIS(TRIMETHYLSILYL)PHOSPHINE	5	Gram(GM)	06-May-19
0001597957	-	WINDEX GLASS CLEANER	32	Ounces(OZ)	06-May-19
0001597965	-	WINDEX GLASS CLEANER	32	Ounces(OZ)	06-May-19
0001597976	-	WINDEX GLASS CLEANER	32	Ounces(OZ)	06-May-19
0001597961	-	WINDEX GLASS CLEANER	32	Ounces(OZ)	06-May-19
0001597962	-	WINDEX GLASS CLEANER	32	Ounces(OZ)	06-May-19
0001597964	-	WINDEX GLASS CLEANER	32	Ounces(OZ)	06-May-19
0001597974	-	WINDEX GLASS CLEANER	32	Ounces(OZ)	06-May-19
0001597979	-	WINDEX GLASS CLEANER	32	Ounces(OZ)	06-May-19
0001597958	-	WINDEX GLASS CLEANER	32	Ounces(OZ)	06-May-19
0001597959	-	WINDEX GLASS CLEANER	32	Ounces(OZ)	06-May-19
0001597963	-	WINDEX GLASS CLEANER	32	Ounces(OZ)	06-May-19
0001597960	-	WINDEX GLASS CLEANER	32	Ounces(OZ)	06-May-19
0001597980	-	WINDEX GLASS CLEANER	32	Ounces(OZ)	06-May-19
0001597971	-	WINDEX GLASS CLEANER	32	Ounces(OZ)	06-May-19
0001597975	-	WINDEX GLASS CLEANER	32	Ounces(OZ)	06-May-19
0001597966	-	WINDEX GLASS CLEANER	32	Ounces(OZ)	06-May-19
0001597967	-	WINDEX GLASS CLEANER	32	Ounces(OZ)	06-May-19
0001597977	-	WINDEX GLASS CLEANER	32	Ounces(OZ)	06-May-19
0001597968	-	WINDEX GLASS CLEANER	32	Ounces(OZ)	06-May-19
0001597969	-	WINDEX GLASS CLEANER	32	Ounces(OZ)	06-May-19
0001597970	-	WINDEX GLASS CLEANER	32	Ounces(OZ)	06-May-19
0001597978	-	WINDEX GLASS CLEANER	32	Ounces(OZ)	06-May-19
0001597973	-	WINDEX GLASS CLEANER	32	Ounces(OZ)	06-May-19
0001597972	-	WINDEX GLASS CLEANER	32	Ounces(OZ)	06-May-19
0001597981	-	APIEZON N GREASE	25	Gram(GM)	06-May-19
0001597982	-	APIEZON N GREASE	25	Gram(GM)	06-May-19
0001597983	-	APIEZON N GREASE	25	Gram(GM)	06-May-19
0001597984	1809-19-4	DIBUTYL PHOSPHITE	100	Milliliter(ML)	06-May-19
0001597985	23147-58-2	GLYCOLALDEHYDE DIMER	5	Gram(GM)	06-May-19
0001597986	13537-18-3	THULIUM CHLORIDE ANHYDROUS	5	Gram(GM)	06-May-19
0001597987	10025-74-8	DYSPROSIUM CHLORIDE ANHYDROUS	5	Gram(GM)	06-May-19
0001597988	10024-93-8	NEODYMIUM (III) CHLORIDE	5	Gram(GM)	06-May-19
0001598109	-	DOW CORNING(R) HIGH VACUUM GREASE	150	Gram(GM)	06-May-19
0001598111	-	DOW CORNING(R) HIGH VACUUM GREASE	150	Gram(GM)	06-May-19
0001598110	-	DOW CORNING(R) HIGH VACUUM GREASE	150	Gram(GM)	06-May-19
V000002D6E	-	WD-40 MULTI-USE PRODUCT - [Non-Aerosol]	20	Ounces(OZ)	06-May-19
V000002D74	-	WD-40 MULTI-USE PRODUCT - [Non-Aerosol]	20	Ounces(OZ)	06-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002D73	-	WD-40 MULTI-USE PRODUCT - [Non-Aerosol]	20	Ounces(OZ)	06-May-19
V000002D76	-	WD-40 MULTI-USE PRODUCT - [Non-Aerosol]	20	Ounces(OZ)	06-May-19
V000002D71	-	WD-40 MULTI-USE PRODUCT - [Non-Aerosol]	20	Ounces(OZ)	06-May-19
V000002D70	-	WD-40 MULTI-USE PRODUCT - [Non-Aerosol]	20	Ounces(OZ)	06-May-19
V000002D6F	-	WD-40 MULTI-USE PRODUCT - [Non-Aerosol]	20	Ounces(OZ)	06-May-19
V000002D72	-	WD-40 MULTI-USE PRODUCT - [Non-Aerosol]	20	Ounces(OZ)	06-May-19
V000002D6A	-	WD-40 MULTI-USE PRODUCT - [Non-Aerosol]	20	Ounces(OZ)	06-May-19
V000002D75	-	WD-40 MULTI-USE PRODUCT - [Non-Aerosol]	20	Ounces(OZ)	06-May-19
V000002D6C	-	WD-40 MULTI-USE PRODUCT - [Non-Aerosol]	20	Ounces(OZ)	06-May-19
V000002D6B	-	WD-40 MULTI-USE PRODUCT - [Non-Aerosol]	20	Ounces(OZ)	06-May-19
V000002D69	-	WD-40 MULTI-USE PRODUCT - [Non-Aerosol]	20	Ounces(OZ)	06-May-19
V000002D68	-	WD-40 MULTI-USE PRODUCT - [Non-Aerosol]	20	Ounces(OZ)	06-May-19
V000002D65	-	WD-40 MULTI-USE PRODUCT - [Non-Aerosol]	20	Ounces(OZ)	06-May-19
V000002D66	-	WD-40 MULTI-USE PRODUCT - [Non-Aerosol]	20	Ounces(OZ)	06-May-19
V000002D67	-	WD-40 MULTI-USE PRODUCT - [Non-Aerosol]	20	Ounces(OZ)	06-May-19
V000002D6D	-	WD-40 MULTI-USE PRODUCT - [Non-Aerosol]	20	Ounces(OZ)	06-May-19
V000002D83	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	06-May-19
V000002D82	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	06-May-19
V000002D81	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	06-May-19
V000002D7D	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	06-May-19
V000002D7A	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	06-May-19
V000002D78	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	06-May-19
V000002D85	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	06-May-19
V000002D84	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	06-May-19
V000002D77	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	06-May-19
V000002D79	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	06-May-19
V000002D80	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	06-May-19
V000002D7F	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	06-May-19
V000002D7E	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	06-May-19
V000002D7B	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	06-May-19
V000002D7C	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	06-May-19
V000002D86	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	06-May-19
V000002D8A	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	06-May-19
V000002D8B	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	06-May-19
V000002D87	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	06-May-19
V000002D88	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	06-May-19
V000002D89	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	06-May-19
V000002D8C	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	06-May-19
V000002D8D	-	Parts Plus SAE 5W-20 SYNTHETIC MOTOR OIL	1	Quarts(QT)	06-May-19
0001573819	-	Brakleen Brake Parts Cleaner	14	Ounces(OZ)	06-May-19
0001573824	-	Brakleen Brake Parts Cleaner	14	Ounces(OZ)	06-May-19
0001573820	-	Brakleen Brake Parts Cleaner	14	Ounces(OZ)	06-May-19
0001573822	-	Brakleen Brake Parts Cleaner	14	Ounces(OZ)	06-May-19
0001573825	-	Brakleen Brake Parts Cleaner	14	Ounces(OZ)	06-May-19
0001573823	-	Brakleen Brake Parts Cleaner	14	Ounces(OZ)	06-May-19
0001573821	-	Brakleen Brake Parts Cleaner	14	Ounces(OZ)	06-May-19
0001573826	-	Brakleen Brake Parts Cleaner	14	Ounces(OZ)	06-May-19
0001597562	10034-85-2	HYDRIODIC ACID	50	Milliliter(ML)	06-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001597945	6009-70-7	AMMONIUM OXALATE MONOHYDRATE	100	Gram(GM)	06-May-19
V000002D95	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	06-May-19
V000002D8E	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	06-May-19
V000002D8F	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	06-May-19
V000002D93	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	06-May-19
V000002D96	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	06-May-19
V000002D94	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	06-May-19
V000002D90	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	06-May-19
V000002D91	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	06-May-19
V000002D92	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	06-May-19
0001573827	-	MOBIL 1 5W-50	1	Quarts(QT)	06-May-19
0001573828	-	MOBIL 1 5W-50	1	Quarts(QT)	06-May-19
0001573831	-	MOBIL 1 5W-50	1	Quarts(QT)	06-May-19
0001573830	-	MOBIL 1 5W-50	1	Quarts(QT)	06-May-19
0001573829	-	MOBIL 1 5W-50	1	Quarts(QT)	06-May-19
V000002D97	-	PARTS PLUS HD SAE 30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-May-19
V000002D9A	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	06-May-19
V000002D99	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	06-May-19
V000002D98	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	06-May-19
0001573517	-	POWER STEERING FLUID	32	Ounces(OZ)	06-May-19
0001573518	-	BRAKE FLUID DOT 3	1	Quarts(QT)	06-May-19
0001573832	-	KRYLON ColorMaster with Covermax Technology	12	Ounces(OZ)	06-May-19
0001573833	-	KRYLON ColorMaster with Covermax Technology	12	Ounces(OZ)	06-May-19
0001573834	-	LUBRIPLATE CHAIN AND CABLE FLUID	11	Ounces(OZ)	06-May-19
0001573835	-	LUBRIPLATE CHAIN AND CABLE FLUID	11	Ounces(OZ)	06-May-19
0001573836	-	DIELECTRIC GREASE	3.3	Ounces(OZ)	06-May-19
0001573837	-	HI TEMPERATURE DISC BRAKE WHEEL BEARING	14	Ounces(OZ)	06-May-19
0001573838	-	STA-BIL FUEL STABILIZER	8	Ounces(OZ)	06-May-19
V000002D9B	-	14AR THREAD SEALANT W/PTFE	1	Ounces(OZ)	06-May-19
0001573839	-	DOW CORNING HIGH VACUUM GREASE	5.3	Ounces(OZ)	06-May-19
0001573840	-	ULTRA BLACK GASKET MAKER	3.35	Ounces(OZ)	06-May-19
V000002D9C	-	Pentofrost A3	1	Gallon(GAL)	06-May-19
V000002D9D	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	06-May-19
V000002D9E	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	06-May-19
V000002D9F	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	06-May-19
0001597996	-	NanoDrop CF-1 Calibration Fluid	0.5	Microliter	06-May-19
0001597997	100068-60-8	DiR	25	Milligram(MG)	06-May-19
0001597998	-	XT Tricine Buffer Kit	5	Gram(GM)	06-May-19
0001598112	77-73-6	DICYCLOPENTADIENE	1	Kilograms(KG)	06-May-19
0001598143	67-63-0	ISOPROPYL ALCOHOL	3.8	Liters(L)	06-May-19
0001598146	67-63-0	ISOPROPYL ALCOHOL	3.8	Liters(L)	06-May-19
0001598145	67-63-0	ISOPROPYL ALCOHOL	3.8	Liters(L)	06-May-19
0001598147	67-63-0	ISOPROPYL ALCOHOL	3.8	Liters(L)	06-May-19
0001598148	67-63-0	ISOPROPYL ALCOHOL	3.8	Liters(L)	06-May-19
0001598149	67-63-0	ISOPROPYL ALCOHOL	3.8	Liters(L)	06-May-19
0001598150	67-63-0	ISOPROPYL ALCOHOL	3.8	Liters(L)	06-May-19
0001598144	67-63-0	ISOPROPYL ALCOHOL	3.8	Liters(L)	06-May-19
0001598151	-	Pierce LTQ ESI Positive Ion Calibration Solution	10	Milliliter(ML)	06-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001598152	114956-81-9	Laminin from Engelbreth-Holm-Swarm murine	1	Milligram(MG)	06-May-19
0001598153	67-63-0	ISOPROPANOL REAGENT ACS	4	Liters(L)	06-May-19
0001598155	67-63-0	ISOPROPANOL REAGENT ACS	4	Liters(L)	06-May-19
0001598156	67-63-0	ISOPROPANOL REAGENT ACS	4	Liters(L)	06-May-19
0001598154	67-63-0	ISOPROPANOL REAGENT ACS	4	Liters(L)	06-May-19
0001598157	67-56-1	METHANOL OPTIMA	4	Liters(L)	06-May-19
0001598158	67-56-1	METHANOL OPTIMA	4	Liters(L)	06-May-19
0001598159	67-56-1	METHANOL OPTIMA	4	Liters(L)	06-May-19
0001598160	67-56-1	METHANOL OPTIMA	4	Liters(L)	06-May-19
0001544246	-	QUIKRETE CONCRETE BONDING GLUE	1	Gallon(GAL)	06-May-19
0001598161	-	ANION EXCHANGE RESIN AG 1-X8 100-200 MESH	500	Gram(GM)	06-May-19
0001544255	-	QUIKRETE CONCRETE BONDING GLUE	1	Gallon(GAL)	06-May-19
0001544254	-	QUIKRETE CONCRETE BONDING GLUE	1	Gallon(GAL)	06-May-19
0001544247	-	QUIKRETE CONCRETE BONDING GLUE	1	Gallon(GAL)	06-May-19
0001544248	-	QUIKRETE CONCRETE BONDING GLUE	1	Gallon(GAL)	06-May-19
0001544249	-	QUIKRETE CONCRETE BONDING GLUE	1	Gallon(GAL)	06-May-19
0001544250	-	QUIKRETE CONCRETE BONDING GLUE	1	Gallon(GAL)	06-May-19
0001544251	-	QUIKRETE CONCRETE BONDING GLUE	1	Gallon(GAL)	06-May-19
0001544253	-	QUIKRETE CONCRETE BONDING GLUE	1	Gallon(GAL)	06-May-19
0001544252	-	QUIKRETE CONCRETE BONDING GLUE	1	Gallon(GAL)	06-May-19
0001598162	-	METADI II DIAMOND POLISHING COMPOUND 3	20	Gram(GM)	06-May-19
0001598163	-	METADI II DIAMOND POLISHING COMPOUND 3	20	Gram(GM)	06-May-19
V000002DA0	-	Pentofrost A3	1	Gallon(GAL)	06-May-19
0001598164	-	DIAMOND POLISHING COMPOUND (METADI) 1	20	Gram(GM)	06-May-19
0001598165	-	DIAMOND POLISHING COMPOUND (METADI) 1	20	Gram(GM)	06-May-19
0001573841	-	POWER STEERING FLUID	1	Quarts(QT)	06-May-19
0001598166	-	METADI DIAMOND POLISHING COMPOUND (0.25	20	Gram(GM)	06-May-19
0001598167	-	METADI DIAMOND POLISHING COMPOUND (0.25	20	Gram(GM)	06-May-19
0001573842	-	POWER STEERING FLUID	1	Quarts(QT)	06-May-19
0001573843	-	POWER STEERING FLUID	1	Quarts(QT)	06-May-19
0001598168	1076-43-3	BENZENE-D6	50	Gram(GM)	06-May-19
0001598170	7697-37-2	NITRIC ACID TRACEMETAL	2.5	Liters(L)	06-May-19
V000002DA1	-	DIESEL 911	80	Ounces(OZ)	06-May-19
0001598171	7697-37-2	NITRIC ACID TRACEMETAL	2.5	Liters(L)	06-May-19
0001598172	7697-37-2	NITRIC ACID TRACEMETAL	2.5	Liters(L)	06-May-19
0001598173	-	FLEXBAR REPRORUBBER THIN POUR MATERIAL	380	Milliliter(ML)	06-May-19
V000002DA2	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	06-May-19
0001598174	126-73-8	TRIBUTYL PHOSPHATE	500	Milliliter(ML)	06-May-19
V000002DA3	-	Parts Plus ATF - Dexron-III/Mercon	1	Quarts(QT)	06-May-19
0001598175	24544-04-5	2 6-DIISOPROPYLANILINE	500	Milliliter(ML)	06-May-19
0001598176	7758-05-6	POTASSIUM IODATE	5	Gram(GM)	06-May-19
0001598215	144026-79-9	SCANDIUM(III) TRIFLUOROMETHANESULFONATE	5	Gram(GM)	06-May-19
0001598218	144026-79-9	SCANDIUM(III) TRIFLUOROMETHANESULFONATE	5	Gram(GM)	06-May-19
0001598217	144026-79-9	SCANDIUM(III) TRIFLUOROMETHANESULFONATE	5	Gram(GM)	06-May-19
0001598216	144026-79-9	SCANDIUM(III) TRIFLUOROMETHANESULFONATE	5	Gram(GM)	06-May-19
0001598219	1643-19-2	TETRABUTYLAMMONIUM BROMIDE	25	Gram(GM)	06-May-19
0001598220	311-28-4	TETRABUTYLAMMONIUM IODIDE	25	Gram(GM)	06-May-19
0001598221	96-32-2	METHYL BROMOACETATE	25	Gram(GM)	06-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001597990	-	SYLTHERM XLT HEAT TRANSFER FLUID	5	Gallon(GAL)	06-May-19
0001597995	-	SYLTHERM XLT HEAT TRANSFER FLUID	5	Gallon(GAL)	06-May-19
0001597993	-	SYLTHERM XLT HEAT TRANSFER FLUID	5	Gallon(GAL)	06-May-19
0001597994	-	SYLTHERM XLT HEAT TRANSFER FLUID	5	Gallon(GAL)	06-May-19
0001597991	-	SYLTHERM XLT HEAT TRANSFER FLUID	5	Gallon(GAL)	06-May-19
0001597992	-	SYLTHERM XLT HEAT TRANSFER FLUID	5	Gallon(GAL)	06-May-19
0001565522	-	carbon dioxide 1000 ppm in air	3.7	Cubic Feet(CF)	06-May-19
0001598177	-	5-MINUTE EPOXY	25	Milliliter(ML)	07-May-19
0001598179	-	5-MINUTE EPOXY	25	Milliliter(ML)	07-May-19
0001598178	-	5-MINUTE EPOXY	25	Milliliter(ML)	07-May-19
0001598180	787-70-2	4 4-DIBENZOIC ACID	100	Gram(GM)	07-May-19
0001598181	540-80-7	TERT-BUTYL NITRATE	25	Milliliter(ML)	07-May-19
0001598182	-	MONOCRYSTALLINE DIAMOND POWDER	32	Ounces(OZ)	07-May-19
0001598183	-	MONOCRYSTALLINE DIAMOND POWDER	32	Ounces(OZ)	07-May-19
0001598184	-	MONOCRYSTALLINE DIAMOND POWDER	32	Ounces(OZ)	07-May-19
0001598185	80-62-6	METHYL METHACRYLATE	100	Milliliter(ML)	07-May-19
0001598186	-	LOCTITE ABLESTIK 2902	2.65	Gram(GM)	07-May-19
0001598188	-	LOCTITE ABLESTIK 2902	2.65	Gram(GM)	07-May-19
0001598189	-	LOCTITE ABLESTIK 2902	2.65	Gram(GM)	07-May-19
0001598187	-	LOCTITE ABLESTIK 2902	2.65	Gram(GM)	07-May-19
0001598190	-	LOCTITE ABLESTIK 2902	2.65	Gram(GM)	07-May-19
0001598191	71-43-2	BENZENE	1	Liters(L)	07-May-19
0001598192	7664-41-7	AMMONIA SOLUTION 0.5 M IN THF	100	Milliliter(ML)	07-May-19
0001598193	7664-41-7	AMMONIA SOLUTION 0.5 M IN THF	100	Milliliter(ML)	07-May-19
0001598194	1341-49-7	AMMONIUM HYDROGEN FLUORIDE	100	Gram(GM)	07-May-19
0001598195	1341-49-7	AMMONIUM HYDROGEN FLUORIDE	100	Gram(GM)	07-May-19
0001386729	-	Polyclear Mix 30	0.5	Gallon(GAL)	07-May-19
0001598196	10196-18-6	ZINC NITRATE HEXAHYDRATE	100	Gram(GM)	07-May-19
0001565523	-	Nitrogen UHP	220	Cubic Feet(CF)	07-May-19
0001598222	12069-32-8	Boron Carbide Powder	1	Kilograms(KG)	07-May-19
0001565552	-	Nitrogen UHP	220	Cubic Feet(CF)	07-May-19
0001565553	-	Nitrogen UHP	220	Cubic Feet(CF)	07-May-19
0001565546	-	Nitrogen UHP	220	Cubic Feet(CF)	07-May-19
0001565555	-	Nitrogen UHP	220	Cubic Feet(CF)	07-May-19
0001565556	-	Nitrogen UHP	220	Cubic Feet(CF)	07-May-19
0001565557	-	Nitrogen UHP	220	Cubic Feet(CF)	07-May-19
0001565551	-	Nitrogen UHP	220	Cubic Feet(CF)	07-May-19
0001565550	-	Nitrogen UHP	220	Cubic Feet(CF)	07-May-19
0001565549	-	Nitrogen UHP	220	Cubic Feet(CF)	07-May-19
0001565554	-	Nitrogen UHP	220	Cubic Feet(CF)	07-May-19
0001565531	-	Nitrogen UHP	220	Cubic Feet(CF)	07-May-19
0001565541	-	Nitrogen UHP	220	Cubic Feet(CF)	07-May-19
0001565540	-	Nitrogen UHP	220	Cubic Feet(CF)	07-May-19
0001565539	-	Nitrogen UHP	220	Cubic Feet(CF)	07-May-19
0001565538	-	Nitrogen UHP	220	Cubic Feet(CF)	07-May-19
0001565537	-	Nitrogen UHP	220	Cubic Feet(CF)	07-May-19
0001565536	-	Nitrogen UHP	220	Cubic Feet(CF)	07-May-19
0001565535	-	Nitrogen UHP	220	Cubic Feet(CF)	07-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001565534	-	Nitrogen UHP	220	Cubic Feet(CF)	07-May-19
0001565548	-	Nitrogen UHP	220	Cubic Feet(CF)	07-May-19
0001565532	-	Nitrogen UHP	220	Cubic Feet(CF)	07-May-19
0001565547	-	Nitrogen UHP	220	Cubic Feet(CF)	07-May-19
0001565524	-	Nitrogen UHP	220	Cubic Feet(CF)	07-May-19
0001565542	-	Nitrogen UHP	220	Cubic Feet(CF)	07-May-19
0001565545	-	Nitrogen UHP	220	Cubic Feet(CF)	07-May-19
0001565533	-	Nitrogen UHP	220	Cubic Feet(CF)	07-May-19
0001565543	-	Nitrogen UHP	220	Cubic Feet(CF)	07-May-19
0001565530	-	Nitrogen UHP	220	Cubic Feet(CF)	07-May-19
0001565525	-	Nitrogen UHP	220	Cubic Feet(CF)	07-May-19
0001565526	-	Nitrogen UHP	220	Cubic Feet(CF)	07-May-19
0001565527	-	Nitrogen UHP	220	Cubic Feet(CF)	07-May-19
0001565528	-	Nitrogen UHP	220	Cubic Feet(CF)	07-May-19
0001565529	-	Nitrogen UHP	220	Cubic Feet(CF)	07-May-19
0001565544	-	Nitrogen UHP	220	Cubic Feet(CF)	07-May-19
0001386730	-	Polyclear Mix 30	0.5	Gallon(GAL)	07-May-19
0001386733	-	Polyclear Mix 30	0.5	Gallon(GAL)	07-May-19
0001386732	-	Polyclear Mix 30	0.5	Gallon(GAL)	07-May-19
0001386731	-	Polyclear Mix 30	0.5	Gallon(GAL)	07-May-19
0001565558	7440-59-7	HELIUM	220	Cubic Feet(CF)	07-May-19
0001565566	7440-59-7	HELIUM	220	Cubic Feet(CF)	07-May-19
0001565573	7440-59-7	HELIUM	220	Cubic Feet(CF)	07-May-19
0001565560	7440-59-7	HELIUM	220	Cubic Feet(CF)	07-May-19
0001565562	7440-59-7	HELIUM	220	Cubic Feet(CF)	07-May-19
0001565564	7440-59-7	HELIUM	220	Cubic Feet(CF)	07-May-19
0001565565	7440-59-7	HELIUM	220	Cubic Feet(CF)	07-May-19
0001565567	7440-59-7	HELIUM	220	Cubic Feet(CF)	07-May-19
0001565568	7440-59-7	HELIUM	220	Cubic Feet(CF)	07-May-19
0001565569	7440-59-7	HELIUM	220	Cubic Feet(CF)	07-May-19
0001565570	7440-59-7	HELIUM	220	Cubic Feet(CF)	07-May-19
0001565559	7440-59-7	HELIUM	220	Cubic Feet(CF)	07-May-19
0001565572	7440-59-7	HELIUM	220	Cubic Feet(CF)	07-May-19
0001565561	7440-59-7	HELIUM	220	Cubic Feet(CF)	07-May-19
0001565574	7440-59-7	HELIUM	220	Cubic Feet(CF)	07-May-19
0001565575	7440-59-7	HELIUM	220	Cubic Feet(CF)	07-May-19
0001565576	7440-59-7	HELIUM	220	Cubic Feet(CF)	07-May-19
0001565577	7440-59-7	HELIUM	220	Cubic Feet(CF)	07-May-19
0001565578	7440-59-7	HELIUM	220	Cubic Feet(CF)	07-May-19
0001565579	7440-59-7	HELIUM	220	Cubic Feet(CF)	07-May-19
0001565580	7440-59-7	HELIUM	220	Cubic Feet(CF)	07-May-19
0001565581	7440-59-7	HELIUM	220	Cubic Feet(CF)	07-May-19
0001565571	7440-59-7	HELIUM	220	Cubic Feet(CF)	07-May-19
0001565563	7440-59-7	HELIUM	220	Cubic Feet(CF)	07-May-19
0001565582	7440-59-7	Helium UHP	220	Cubic Feet(CF)	07-May-19
0001565588	7440-59-7	Helium UHP	220	Cubic Feet(CF)	07-May-19
0001565595	7440-59-7	Helium UHP	220	Cubic Feet(CF)	07-May-19
0001565583	7440-59-7	Helium UHP	220	Cubic Feet(CF)	07-May-19

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001565587	7440-59-7	Helium UHP	220	Cubic Feet(CF)	07-May-19
0001565586	7440-59-7	Helium UHP	220	Cubic Feet(CF)	07-May-19
0001565584	7440-59-7	Helium UHP	220	Cubic Feet(CF)	07-May-19
0001565589	7440-59-7	Helium UHP	220	Cubic Feet(CF)	07-May-19
0001565591	7440-59-7	Helium UHP	220	Cubic Feet(CF)	07-May-19
0001565592	7440-59-7	Helium UHP	220	Cubic Feet(CF)	07-May-19
0001565585	7440-59-7	Helium UHP	220	Cubic Feet(CF)	07-May-19
0001565593	7440-59-7	Helium UHP	220	Cubic Feet(CF)	07-May-19
0001565594	7440-59-7	Helium UHP	220	Cubic Feet(CF)	07-May-19
0001565598	7440-59-7	Helium UHP	220	Cubic Feet(CF)	07-May-19
0001565597	7440-59-7	Helium UHP	220	Cubic Feet(CF)	07-May-19
0001565596	7440-59-7	Helium UHP	220	Cubic Feet(CF)	07-May-19
0001565590	7440-59-7	Helium UHP	220	Cubic Feet(CF)	07-May-19
0001598223	-	Henkel Loctite Hysol 1C-LV Epoxy Adhesive	50	Milliliter(ML)	07-May-19
0001598229	-	Henkel Loctite Hysol 1C-LV Epoxy Adhesive	50	Milliliter(ML)	07-May-19
0001598232	-	Henkel Loctite Hysol 1C-LV Epoxy Adhesive	50	Milliliter(ML)	07-May-19
0001598230	-	Henkel Loctite Hysol 1C-LV Epoxy Adhesive	50	Milliliter(ML)	07-May-19
0001598231	-	Henkel Loctite Hysol 1C-LV Epoxy Adhesive	50	Milliliter(ML)	07-May-19
0001598228	-	Henkel Loctite Hysol 1C-LV Epoxy Adhesive	50	Milliliter(ML)	07-May-19
0001598224	-	Henkel Loctite Hysol 1C-LV Epoxy Adhesive	50	Milliliter(ML)	07-May-19
0001598225	-	Henkel Loctite Hysol 1C-LV Epoxy Adhesive	50	Milliliter(ML)	07-May-19
0001598226	-	Henkel Loctite Hysol 1C-LV Epoxy Adhesive	50	Milliliter(ML)	07-May-19
0001598227	-	Henkel Loctite Hysol 1C-LV Epoxy Adhesive	50	Milliliter(ML)	07-May-19
0001598233	865-47-4	POTASSIUM-TERT-BUTOXIDE	100	Gram(GM)	07-May-19
0001598234	865-47-4	POTASSIUM-TERT-BUTOXIDE	100	Gram(GM)	07-May-19
0001615999	-	AIR COMPRESSED	220	Cubic Feet(CF)	07-May-19
0001616006	-	AIR COMPRESSED	220	Cubic Feet(CF)	07-May-19
0001616000	-	AIR COMPRESSED	220	Cubic Feet(CF)	07-May-19
0001616001	-	AIR COMPRESSED	220	Cubic Feet(CF)	07-May-19
0001616002	-	AIR COMPRESSED	220	Cubic Feet(CF)	07-May-19
0001616003	-	AIR COMPRESSED	220	Cubic Feet(CF)	07-May-19
0001616005	-	AIR COMPRESSED	220	Cubic Feet(CF)	07-May-19
0001616004	-	AIR COMPRESSED	220	Cubic Feet(CF)	07-May-19
0001598235	103-11-7	2-ETHYLHEXYL ACRYLATE	3	Liters(L)	07-May-19
0001616007	-	Argon 75% Carbon Dioxide 25%	220	Cubic Feet(CF)	07-May-19
0001598236	8042-47-5	WHITE MINERAL OIL	1	Liters(L)	07-May-19
0001598238	8042-47-5	WHITE MINERAL OIL	1	Liters(L)	07-May-19
0001598237	8042-47-5	WHITE MINERAL OIL	1	Liters(L)	07-May-19
0001598239	311-89-7	Heptacosafluorotributylamine	25	Milliliter(ML)	07-May-19
0001616009	-	Argon 75% Carbon Dioxide 25%	220	Cubic Feet(CF)	07-May-19
0001616008	-	Argon 75% Carbon Dioxide 25%	220	Cubic Feet(CF)	07-May-19
0001598240	94-67-7	SALICYLALDOXIME	100	Gram(GM)	07-May-19
0001598241	124-64-1	TETRAKIS(HYDROXYMETHYL)PHOSPHONIUM	100	Milliliter(ML)	07-May-19
0001616010	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	07-May-19
0001616011	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	07-May-19
0001616015	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	07-May-19
0001616016	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	07-May-19
0001616017	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	07-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001616018	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	07-May-19
0001616019	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	07-May-19
0001616020	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	07-May-19
0001616021	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	07-May-19
0001616022	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	07-May-19
0001616039	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	07-May-19
0001616038	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	07-May-19
0001616037	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	07-May-19
0001616036	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	07-May-19
0001616024	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	07-May-19
0001616023	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	07-May-19
0001616027	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	07-May-19
0001616033	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	07-May-19
0001616032	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	07-May-19
0001616031	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	07-May-19
0001616030	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	07-May-19
0001616029	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	07-May-19
0001616012	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	07-May-19
0001616028	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	07-May-19
0001616026	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	07-May-19
0001616025	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	07-May-19
0001616034	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	07-May-19
0001616013	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	07-May-19
0001616035	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	07-May-19
0001616014	-	94% ARGON/6% HYDROGEN	220	Cubic Feet(CF)	07-May-19
0001598242	98-09-9	BENZENESULFONYL CHLORIDE	500	Gram(GM)	07-May-19
0001598243	434-45-7	2 2 2-TRIFLUOROACETOPHENONE	58	Gram(GM)	07-May-19
0001616040	124-38-9	CARBON DIOXIDE GAS	50	Pounds(LB)	07-May-19
0001598244	693-98-1	2-METHYLIMIDAZOLE	100	Gram(GM)	07-May-19
0001616045	124-38-9	CARBON DIOXIDE GAS	50	Pounds(LB)	07-May-19
0001616051	124-38-9	CARBON DIOXIDE GAS	50	Pounds(LB)	07-May-19
0001616050	124-38-9	CARBON DIOXIDE GAS	50	Pounds(LB)	07-May-19
0001616049	124-38-9	CARBON DIOXIDE GAS	50	Pounds(LB)	07-May-19
0001616048	124-38-9	CARBON DIOXIDE GAS	50	Pounds(LB)	07-May-19
0001616047	124-38-9	CARBON DIOXIDE GAS	50	Pounds(LB)	07-May-19
0001616042	124-38-9	CARBON DIOXIDE GAS	50	Pounds(LB)	07-May-19
0001616043	124-38-9	CARBON DIOXIDE GAS	50	Pounds(LB)	07-May-19
0001616044	124-38-9	CARBON DIOXIDE GAS	50	Pounds(LB)	07-May-19
0001616041	124-38-9	CARBON DIOXIDE GAS	50	Pounds(LB)	07-May-19
0001616046	124-38-9	CARBON DIOXIDE GAS	50	Pounds(LB)	07-May-19
0001598245	97-51-8	2-HYDROXY-5-NITROBENZALDEHYDE	25	Gram(GM)	07-May-19
0001598246	1122-58-3	4-DIMETHYLAMINOPYRIDINE	100	Gram(GM)	07-May-19
0001596531	76-02-8	TRICHLOROACETYL CHLORIDE	100	Gram(GM)	07-May-19
0001596836	693-13-0	N N'-DIISOPROPYLCARBODIIMIDE	10	Milliliter(ML)	07-May-19
0001597565	7723-14-0	PHOSPHORUS RED	5	Gram(GM)	07-May-19
0001597809	-	Magnaflux #8A Red	10	Pounds(LB)	07-May-19
0001597810	-	Magnaflux SPOTCHECK Kit	16	Ounces(OZ)	07-May-19
0001597811	-	SKC-S SPOTCHECK CLEANER/REMOVER	11.6	Ounces(OZ)	07-May-19

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001597821	-	SKC-S SPOTCHECK CLEANER/REMOVER	11.6	Ounces(OZ)	07-May-19
0001597814	-	SKC-S SPOTCHECK CLEANER/REMOVER	11.6	Ounces(OZ)	07-May-19
0001597822	-	SKC-S SPOTCHECK CLEANER/REMOVER	11.6	Ounces(OZ)	07-May-19
0001597820	-	SKC-S SPOTCHECK CLEANER/REMOVER	11.6	Ounces(OZ)	07-May-19
0001597819	-	SKC-S SPOTCHECK CLEANER/REMOVER	11.6	Ounces(OZ)	07-May-19
0001597818	-	SKC-S SPOTCHECK CLEANER/REMOVER	11.6	Ounces(OZ)	07-May-19
0001597817	-	SKC-S SPOTCHECK CLEANER/REMOVER	11.6	Ounces(OZ)	07-May-19
0001597815	-	SKC-S SPOTCHECK CLEANER/REMOVER	11.6	Ounces(OZ)	07-May-19
0001597813	-	SKC-S SPOTCHECK CLEANER/REMOVER	11.6	Ounces(OZ)	07-May-19
0001597812	-	SKC-S SPOTCHECK CLEANER/REMOVER	11.6	Ounces(OZ)	07-May-19
0001597816	-	SKC-S SPOTCHECK CLEANER/REMOVER	11.6	Ounces(OZ)	07-May-19
0001597823	-	SPOTCHECK SKD-S2 DEVELOPER	16	Ounces(OZ)	07-May-19
0001597831	-	SPOTCHECK SKD-S2 DEVELOPER	16	Ounces(OZ)	07-May-19
0001597825	-	SPOTCHECK SKD-S2 DEVELOPER	16	Ounces(OZ)	07-May-19
0001597834	-	SPOTCHECK SKD-S2 DEVELOPER	16	Ounces(OZ)	07-May-19
0001597832	-	SPOTCHECK SKD-S2 DEVELOPER	16	Ounces(OZ)	07-May-19
0001597833	-	SPOTCHECK SKD-S2 DEVELOPER	16	Ounces(OZ)	07-May-19
0001597830	-	SPOTCHECK SKD-S2 DEVELOPER	16	Ounces(OZ)	07-May-19
0001597829	-	SPOTCHECK SKD-S2 DEVELOPER	16	Ounces(OZ)	07-May-19
0001597828	-	SPOTCHECK SKD-S2 DEVELOPER	16	Ounces(OZ)	07-May-19
0001597826	-	SPOTCHECK SKD-S2 DEVELOPER	16	Ounces(OZ)	07-May-19
0001597824	-	SPOTCHECK SKD-S2 DEVELOPER	16	Ounces(OZ)	07-May-19
0001597827	-	SPOTCHECK SKD-S2 DEVELOPER	16	Ounces(OZ)	07-May-19
0001616052	124-38-9	CARBON DIOXIDE GAS	50	Pounds(LB)	07-May-19
0001597835	-	Ultragell II	12	Ounces(OZ)	07-May-19
0001597846	-	Ultragell II	12	Ounces(OZ)	07-May-19
0001597836	-	Ultragell II	12	Ounces(OZ)	07-May-19
0001597837	-	Ultragell II	12	Ounces(OZ)	07-May-19
0001597839	-	Ultragell II	12	Ounces(OZ)	07-May-19
0001597838	-	Ultragell II	12	Ounces(OZ)	07-May-19
0001597845	-	Ultragell II	12	Ounces(OZ)	07-May-19
0001597844	-	Ultragell II	12	Ounces(OZ)	07-May-19
0001597843	-	Ultragell II	12	Ounces(OZ)	07-May-19
0001597842	-	Ultragell II	12	Ounces(OZ)	07-May-19
0001597841	-	Ultragell II	12	Ounces(OZ)	07-May-19
0001597840	-	Ultragell II	12	Ounces(OZ)	07-May-19
0001597880	811-97-2	AIR DUSTER	11	Ounces(OZ)	07-May-19
0001597881	7758-89-6	COPPER (I) CHLORIDE	250	Gram(GM)	07-May-19
0001597882	7440-22-4	SILVER	50	Gram(GM)	07-May-19
0001597883	7440-22-4	SILVER	50	Gram(GM)	07-May-19
0001597884	112945-52-5	SILICA FUMED	500	Gram(GM)	07-May-19
0001597885	112945-52-5	SILICA FUMED	500	Gram(GM)	07-May-19
0001597886	7440-69-9	BISMUTH	25	Gram(GM)	07-May-19
0001597887	7440-69-9	BISMUTH	25	Gram(GM)	07-May-19
0001597888	110-54-3	HEXANE OPTIMA	1	Liters(L)	07-May-19
0001597889	109-99-9	TETRAHYDROFURAN ANHYDROUS	250	Milliliter(ML)	07-May-19
0001597891	109-99-9	TETRAHYDROFURAN ANHYDROUS	250	Milliliter(ML)	07-May-19
0001597892	109-99-9	TETRAHYDROFURAN ANHYDROUS	250	Milliliter(ML)	07-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001597890	109-99-9	TETRAHYDROFURAN ANHYDROUS	250	Milliliter(ML)	07-May-19
0001616053	124-38-9	CARBON DIOXIDE GAS	50	Pounds(LB)	08-May-19
0001616054	-	Argon UHP	220	Cubic Feet(CF)	08-May-19
0001616063	-	Argon UHP	220	Cubic Feet(CF)	08-May-19
0001616059	-	Argon UHP	220	Cubic Feet(CF)	08-May-19
0001616058	-	Argon UHP	220	Cubic Feet(CF)	08-May-19
0001616057	-	Argon UHP	220	Cubic Feet(CF)	08-May-19
0001616056	-	Argon UHP	220	Cubic Feet(CF)	08-May-19
0001616055	-	Argon UHP	220	Cubic Feet(CF)	08-May-19
0001616073	-	Argon UHP	220	Cubic Feet(CF)	08-May-19
0001616083	-	Argon UHP	220	Cubic Feet(CF)	08-May-19
0001616082	-	Argon UHP	220	Cubic Feet(CF)	08-May-19
0001616081	-	Argon UHP	220	Cubic Feet(CF)	08-May-19
0001616080	-	Argon UHP	220	Cubic Feet(CF)	08-May-19
0001616079	-	Argon UHP	220	Cubic Feet(CF)	08-May-19
0001616078	-	Argon UHP	220	Cubic Feet(CF)	08-May-19
0001616077	-	Argon UHP	220	Cubic Feet(CF)	08-May-19
0001616076	-	Argon UHP	220	Cubic Feet(CF)	08-May-19
0001616061	-	Argon UHP	220	Cubic Feet(CF)	08-May-19
0001616074	-	Argon UHP	220	Cubic Feet(CF)	08-May-19
0001616060	-	Argon UHP	220	Cubic Feet(CF)	08-May-19
0001616072	-	Argon UHP	220	Cubic Feet(CF)	08-May-19
0001616071	-	Argon UHP	220	Cubic Feet(CF)	08-May-19
0001616070	-	Argon UHP	220	Cubic Feet(CF)	08-May-19
0001616069	-	Argon UHP	220	Cubic Feet(CF)	08-May-19
0001616067	-	Argon UHP	220	Cubic Feet(CF)	08-May-19
0001616065	-	Argon UHP	220	Cubic Feet(CF)	08-May-19
0001616064	-	Argon UHP	220	Cubic Feet(CF)	08-May-19
0001616066	-	Argon UHP	220	Cubic Feet(CF)	08-May-19
0001616062	-	Argon UHP	220	Cubic Feet(CF)	08-May-19
0001616075	-	Argon UHP	220	Cubic Feet(CF)	08-May-19
0001616068	-	Argon UHP	220	Cubic Feet(CF)	08-May-19
0001616084	74-86-2	ACETYLENE STABILIZED	40	Cubic Feet(CF)	08-May-19
0001616089	74-86-2	ACETYLENE STABILIZED	40	Cubic Feet(CF)	08-May-19
0001616095	74-86-2	ACETYLENE STABILIZED	40	Cubic Feet(CF)	08-May-19
0001616085	74-86-2	ACETYLENE STABILIZED	40	Cubic Feet(CF)	08-May-19
0001616086	74-86-2	ACETYLENE STABILIZED	40	Cubic Feet(CF)	08-May-19
0001616088	74-86-2	ACETYLENE STABILIZED	40	Cubic Feet(CF)	08-May-19
0001616090	74-86-2	ACETYLENE STABILIZED	40	Cubic Feet(CF)	08-May-19
0001616091	74-86-2	ACETYLENE STABILIZED	40	Cubic Feet(CF)	08-May-19
0001616092	74-86-2	ACETYLENE STABILIZED	40	Cubic Feet(CF)	08-May-19
0001616096	74-86-2	ACETYLENE STABILIZED	40	Cubic Feet(CF)	08-May-19
0001616093	74-86-2	ACETYLENE STABILIZED	40	Cubic Feet(CF)	08-May-19
0001616094	74-86-2	ACETYLENE STABILIZED	40	Cubic Feet(CF)	08-May-19
0001616098	74-86-2	ACETYLENE STABILIZED	40	Cubic Feet(CF)	08-May-19
0001616097	74-86-2	ACETYLENE STABILIZED	40	Cubic Feet(CF)	08-May-19
0001616087	74-86-2	ACETYLENE STABILIZED	40	Cubic Feet(CF)	08-May-19
0001616115	74-86-2	ACETYLENE STABILIZED	10	Cubic Feet(CF)	08-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001616116	74-86-2	ACETYLENE STABILIZED	10	Cubic Feet(CF)	08-May-19
0001616120	74-86-2	ACETYLENE STABILIZED	10	Cubic Feet(CF)	08-May-19
0001616119	74-86-2	ACETYLENE STABILIZED	10	Cubic Feet(CF)	08-May-19
0001616118	74-86-2	ACETYLENE STABILIZED	10	Cubic Feet(CF)	08-May-19
0001616109	74-86-2	ACETYLENE STABILIZED	10	Cubic Feet(CF)	08-May-19
0001616099	74-86-2	ACETYLENE STABILIZED	10	Cubic Feet(CF)	08-May-19
0001616100	74-86-2	ACETYLENE STABILIZED	10	Cubic Feet(CF)	08-May-19
0001616101	74-86-2	ACETYLENE STABILIZED	10	Cubic Feet(CF)	08-May-19
0001616102	74-86-2	ACETYLENE STABILIZED	10	Cubic Feet(CF)	08-May-19
0001616103	74-86-2	ACETYLENE STABILIZED	10	Cubic Feet(CF)	08-May-19
0001616104	74-86-2	ACETYLENE STABILIZED	10	Cubic Feet(CF)	08-May-19
0001616105	74-86-2	ACETYLENE STABILIZED	10	Cubic Feet(CF)	08-May-19
0001616106	74-86-2	ACETYLENE STABILIZED	10	Cubic Feet(CF)	08-May-19
0001616117	74-86-2	ACETYLENE STABILIZED	10	Cubic Feet(CF)	08-May-19
0001616108	74-86-2	ACETYLENE STABILIZED	10	Cubic Feet(CF)	08-May-19
0001616110	74-86-2	ACETYLENE STABILIZED	10	Cubic Feet(CF)	08-May-19
0001616111	74-86-2	ACETYLENE STABILIZED	10	Cubic Feet(CF)	08-May-19
0001616112	74-86-2	ACETYLENE STABILIZED	10	Cubic Feet(CF)	08-May-19
0001616113	74-86-2	ACETYLENE STABILIZED	10	Cubic Feet(CF)	08-May-19
0001616114	74-86-2	ACETYLENE STABILIZED	10	Cubic Feet(CF)	08-May-19
0001616107	74-86-2	ACETYLENE STABILIZED	10	Cubic Feet(CF)	08-May-19
0001616121	7440-59-7	Helium UHP	220	Cubic Feet(CF)	08-May-19
0001616122	7440-59-7	Helium UHP	220	Cubic Feet(CF)	08-May-19
0001616125	7440-59-7	Helium UHP	220	Cubic Feet(CF)	08-May-19
0001616126	7440-59-7	Helium UHP	220	Cubic Feet(CF)	08-May-19
0001616123	7440-59-7	Helium UHP	220	Cubic Feet(CF)	08-May-19
0001616124	7440-59-7	Helium UHP	220	Cubic Feet(CF)	08-May-19
0001616127	74-98-6	PROPANE	11	Gallon(GAL)	08-May-19
0001616128	74-98-6	PROPANE	11	Gallon(GAL)	08-May-19
0001616129	74-98-6	PROPANE	11	Gallon(GAL)	08-May-19
0001616130	74-98-6	PROPANE	11	Gallon(GAL)	08-May-19
0001616131	74-98-6	PROPANE	11	Gallon(GAL)	08-May-19
0001616132	74-86-2	ACETYLENE STABILIZED	240	Cubic Feet(CF)	08-May-19
0001616133	-	95% NITROGEN/5% HYDROGEN	220	Cubic Feet(CF)	08-May-19
0001616136	-	95% NITROGEN/5% HYDROGEN	220	Cubic Feet(CF)	08-May-19
0001616135	-	95% NITROGEN/5% HYDROGEN	220	Cubic Feet(CF)	08-May-19
0001616134	-	95% NITROGEN/5% HYDROGEN	220	Cubic Feet(CF)	08-May-19
0001616137	7782-44-7	OXYGEN COMPRESSED GAS	220	Cubic Feet(CF)	08-May-19
0001616141	7782-44-7	OXYGEN COMPRESSED GAS	10	Cubic Feet(CF)	08-May-19
0001616139	7782-44-7	OXYGEN COMPRESSED GAS	10	Cubic Feet(CF)	08-May-19
0001616140	7782-44-7	OXYGEN COMPRESSED GAS	10	Cubic Feet(CF)	08-May-19
0001616138	7782-44-7	OXYGEN COMPRESSED GAS	10	Cubic Feet(CF)	08-May-19
0001616142	7727-37-9	NITROGEN COMPRESSED GAS	40	Cubic Feet(CF)	08-May-19
0001616143	7440-37-1	ARGON COMPRESSED	40	Cubic Feet(CF)	08-May-19
0001616144	7440-59-7	HELIUM	40	Cubic Feet(CF)	08-May-19
0001616145	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	08-May-19
0001597893	74-88-4	IODOMETHANE (METHYL IODIDE)	500	Gram(GM)	08-May-19
0001597894	638-45-9	1-IODOHEXANE	100	Gram(GM)	08-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002DBA	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	08-May-19
V000002DB9	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	08-May-19
V000002DB5	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	08-May-19
V000002DB7	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	08-May-19
V000002DB6	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	08-May-19
V000002DB8	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	08-May-19
0001597895	-	Hardman DOUBLE/BUBBLE Urethane D-50	3.5	Gram(GM)	08-May-19
0001597896	-	GELCODE BLUE SAFE PROTEIN STAIN	1	Liters(L)	08-May-19
0001597897	111-30-8	GLUTARALDEHYDE	10	Milliliter(ML)	08-May-19
0001597898	132705-51-2	Bromo-tris-pyrrolidino-phosphonium	100	Gram(GM)	08-May-19
0001597899	3238-60-6	2-Propylpiperidine	100	Milligram(MG)	08-May-19
0001597900	61898-49-5	ETHYL BROMOACETATE (1 2-13C2 99%)	20	Gram(GM)	08-May-19
0001597901	17049-49-9	OCTYLMAGNESIUM BROMIDE	100	Milliliter(ML)	08-May-19
0001597902	13400-13-0	CESIUM FLUORIDE	25	Gram(GM)	08-May-19
0001597903	603-35-0	TRIPHENYLPHOSPHINE	100	Gram(GM)	08-May-19
0001597904	3375-31-3	PALLADIUM(II) ACETATE	1	Gram(GM)	08-May-19
0001597905	99768-12-4	4-Methoxycarbonylphenylboronic Acid	25	Gram(GM)	08-May-19
0001597935	-	HELI-LUBE	5	Gallon(GAL)	08-May-19
0001597999	-	Rustoleum Red Spray Paint	12	Ounces(OZ)	08-May-19
0001598001	-	Rustoleum Red Spray Paint	12	Ounces(OZ)	08-May-19
0001598000	-	Rustoleum Red Spray Paint	12	Ounces(OZ)	08-May-19
0001598002	-	Rust-oleum Flat Black Spray Paint	12	Ounces(OZ)	08-May-19
0001598003	-	Rust-oleum Flat Black Spray Paint	12	Ounces(OZ)	08-May-19
0001598004	-	Rust-oleum Flat Black Spray Paint	12	Ounces(OZ)	08-May-19
0001598005	2206-26-0	ACETONITRILE-D3	25	Gram(GM)	08-May-19
0001598006	100-21-0	TEREPHTHALIC ACID	250	Gram(GM)	08-May-19
V000002DF5	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DD9	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DFE	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DE2	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DE1	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DF3	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DE0	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DDF	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DDE	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DD	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DDC	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DE4	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DD	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DE5	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DD8	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DD7	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DD6	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DD5	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DD4	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DD3	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DD2	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DD1	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002DD0	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DDB	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DEF	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DFD	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DFC	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DFB	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DFA	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DF9	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DF7	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E06	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DF4	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DF2	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DE3	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DF0	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DCD	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DEE	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DED	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DEC	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DEB	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DEA	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DE9	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DE8	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DE7	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DE6	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DF1	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E0C	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DC7	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DC6	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DC5	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DC4	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DC3	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DC2	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DC1	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DC0	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DBF	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DCF	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E0D	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DCA	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E0B	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E0A	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DBD	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E09	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E08	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E07	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DBC	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DBB	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E05	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DBE	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002E16	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DF8	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E04	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E1E	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E1D	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E1C	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E1B	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E1A	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DCC	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E19	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DC8	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E17	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DC9	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E15	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E14	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E13	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E12	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E11	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E10	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E0F	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E0E	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DCB	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DCE	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E18	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DFF	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002DF6	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E01	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E02	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E03	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E00	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E42	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E43	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E22	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E4A	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E45	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E46	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E47	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E48	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E49	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E44	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E4B	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E1F	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E41	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E21	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E3E	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E23	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E24	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E26	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002E28	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E29	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E20	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E36	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E2B	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E2C	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E2D	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E2E	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E2F	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E30	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E31	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E32	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E33	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E40	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E35	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E4C	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E37	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E38	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E39	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E3A	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E3B	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E3C	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E3D	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E27	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E3F	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E34	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E71	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E67	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E68	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E4D	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E6A	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E25	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E6B	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E6C	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E6D	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E6E	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E66	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E70	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E69	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E72	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E73	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E74	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E2A	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E75	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E76	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E77	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E78	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E79	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002E7A	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E6F	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E55	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E4E	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E4F	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E50	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E51	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E52	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E54	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E65	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E56	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E57	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E58	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E59	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E62	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E53	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E63	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E5A	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E61	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E60	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E5F	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E64	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E5E	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E5D	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E5C	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
V000002E5B	-	RAPID ROAD REPAIR	60	Pounds(LB)	08-May-19
0001597352	7447-40-7	POTASSIUM CHLORIDE	250	Gram(GM)	08-May-19
0001597353	7758-98-7	COPPER(II) SULFATE ANHYDROUS	100	Gram(GM)	08-May-19
0001597354	79-06-1	ACRYLAMIDE	1	Kilograms(KG)	08-May-19
0001597355	67-64-1	ACETONE	4	Liters(L)	08-May-19
0001597356	67-64-1	ACETONE	4	Liters(L)	08-May-19
0001597357	246047-72-3	GRUBBS CATALYST 2ND GENERATION	10	Gram(GM)	08-May-19
0001597358	1310-66-3	LITHIUM HYDROXIDE MONOHYDRATE	25	Gram(GM)	08-May-19
0001598197	7697-37-2	NITRIC ACID	2	Liters(L)	08-May-19
0001598214	7697-37-2	NITRIC ACID	2	Liters(L)	08-May-19
0001598212	7697-37-2	NITRIC ACID	2	Liters(L)	08-May-19
0001598206	7697-37-2	NITRIC ACID	2	Liters(L)	08-May-19
0001598213	7697-37-2	NITRIC ACID	2	Liters(L)	08-May-19
0001598198	7697-37-2	NITRIC ACID	2	Liters(L)	08-May-19
0001598199	7697-37-2	NITRIC ACID	2	Liters(L)	08-May-19
0001598200	7697-37-2	NITRIC ACID	2	Liters(L)	08-May-19
0001598201	7697-37-2	NITRIC ACID	2	Liters(L)	08-May-19
0001598202	7697-37-2	NITRIC ACID	2	Liters(L)	08-May-19
0001598203	7697-37-2	NITRIC ACID	2	Liters(L)	08-May-19
0001598205	7697-37-2	NITRIC ACID	2	Liters(L)	08-May-19
0001598207	7697-37-2	NITRIC ACID	2	Liters(L)	08-May-19
0001598208	7697-37-2	NITRIC ACID	2	Liters(L)	08-May-19
0001598209	7697-37-2	NITRIC ACID	2	Liters(L)	08-May-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001598210	7697-37-2	NITRIC ACID	2	Liters(L)	08-May-19
0001598211	7697-37-2	NITRIC ACID	2	Liters(L)	08-May-19
0001598204	7697-37-2	NITRIC ACID	2	Liters(L)	08-May-19
0001598247	-	008-FluoroSurfactant	500	Gram(GM)	08-May-19
0001598248	865-49-6	CHLOROFORM-D 99.8+ ATOM% D	10	Milliliter(ML)	08-May-19
0001598249	865-49-6	CHLOROFORM-D 99.8+ ATOM% D	10	Milliliter(ML)	08-May-19
0001598250	7632-00-0	SODIUM NITRITE	500	Gram(GM)	08-May-19
0001598251	-	LDH Cytotoxicity Assay	500	Milliliter(ML)	08-May-19
0001598252	-	LDH Cytotoxicity Assay	500	Milliliter(ML)	08-May-19
0001598253	25952-53-8	1-(3-DIMETHYLAMINOPROPYL)-3-	5	Gram(GM)	08-May-19
0001598254	-	Semi Metals Plasma Standard	100	Milliliter(ML)	08-May-19
0001598255	-	HARDMAN DOUBLE/BUBBLE EPOXY	4	Gram(GM)	08-May-19
0001598256	-	HARDMAN EXTRA-FAST SETTING EPOXY KIT	4	Ounces(OZ)	08-May-19
0001598257	-	HARDMAN EXTRA-FAST SETTING EPOXY KIT	4	Ounces(OZ)	08-May-19
0001598259	56-81-5	E-GEL	20	Microliter	08-May-19
0001598287	67-56-1	METHANOL	4	Liters(L)	08-May-19
0001598290	67-56-1	METHANOL	4	Liters(L)	08-May-19
0001598289	67-56-1	METHANOL	4	Liters(L)	08-May-19
0001598288	67-56-1	METHANOL	4	Liters(L)	08-May-19
0001598291	67-63-0	2-PROPANOL	4	Liters(L)	08-May-19
0001598298	67-63-0	2-PROPANOL	4	Liters(L)	08-May-19
0001598296	67-63-0	2-PROPANOL	4	Liters(L)	08-May-19
0001598295	67-63-0	2-PROPANOL	4	Liters(L)	08-May-19
0001598294	67-63-0	2-PROPANOL	4	Liters(L)	08-May-19
0001598293	67-63-0	2-PROPANOL	4	Liters(L)	08-May-19
0001598292	67-63-0	2-PROPANOL	4	Liters(L)	08-May-19
0001598297	67-63-0	2-PROPANOL	4	Liters(L)	08-May-19
0001598027	-	LIQUID SCINTILLATOR	50	Milliliter(ML)	09-May-19
0001598260	-	P3 OIL	0.5	Liters(L)	09-May-19
0001598261	-	P3 OIL	0.5	Liters(L)	09-May-19
0001598299	877-24-7	POTASSIUM HYDROGEN PHTHALATE	500	Gram(GM)	09-May-19
0000912456	96-29-7	2-Butanone oxime	7.5	Ounces(OZ)	09-May-19
0000912458	96-29-7	2-Butanone oxime	7.5	Ounces(OZ)	09-May-19
0000912461	96-29-7	2-Butanone oxime	7.5	Ounces(OZ)	09-May-19
0000912459	96-29-7	2-Butanone oxime	7.5	Ounces(OZ)	09-May-19
0000912457	96-29-7	2-Butanone oxime	7.5	Ounces(OZ)	09-May-19
0000912460	96-29-7	2-Butanone oxime	7.5	Ounces(OZ)	09-May-19
0001598300	931-87-3	CYCLOOCTENE	500	Milliliter(ML)	09-May-19
0001598301	598-02-7	Diethyl hydrogen phosphate	10	Gram(GM)	09-May-19
0001598302	1774-47-6	TRIMETHYLSULFOXONIUM IODIDE	100	Gram(GM)	09-May-19
0001598303	1774-47-6	TRIMETHYLSULFOXONIUM IODIDE	100	Gram(GM)	09-May-19
0001598304	76-05-1	TRIFLUOROACETIC ACID 99+%	25	Milliliter(ML)	09-May-19
0001598305	110-54-3	HEXANE CERTIFIED ACS	4	Liters(L)	09-May-19
0001598308	110-54-3	HEXANE CERTIFIED ACS	4	Liters(L)	09-May-19
0001598307	110-54-3	HEXANE CERTIFIED ACS	4	Liters(L)	09-May-19
0001598306	110-54-3	HEXANE CERTIFIED ACS	4	Liters(L)	09-May-19
0001598309	172222-30-9	GRUBBS CATALYST 1ST GENERATION	50	Gram(GM)	09-May-19
0001598310	409-21-2	SILICON CARBIDE POWDER	500	Gram(GM)	09-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001598311	409-21-2	SILICON CARBIDE POWDER	500	Gram(GM)	09-May-19
0001598312	-	METHYLBORONIC ACID	1	Gram(GM)	09-May-19
0001598315	15170-57-7	PLATINUM(II) ACETYLACETONATE	2	Gram(GM)	09-May-19
0001598316	67-66-3	CHLOROFORM	1	Liters(L)	09-May-19
0001598359	-	DEVCON 5-MINUTE EPOXY (resin bisphenyl and	1	Gram(GM)	09-May-19
0001598379	-	DEVCON 5-MINUTE EPOXY (resin bisphenyl and	1	Gram(GM)	09-May-19
0001598380	-	DEVCON 5-MINUTE EPOXY (resin bisphenyl and	1	Gram(GM)	09-May-19
0001598381	-	DEVCON 5-MINUTE EPOXY (resin bisphenyl and	1	Gram(GM)	09-May-19
0001598382	-	DEVCON 5-MINUTE EPOXY (resin bisphenyl and	1	Gram(GM)	09-May-19
0001598365	-	DEVCON 5-MINUTE EPOXY (resin bisphenyl and	1	Gram(GM)	09-May-19
0001598366	-	DEVCON 5-MINUTE EPOXY (resin bisphenyl and	1	Gram(GM)	09-May-19
0001598368	-	DEVCON 5-MINUTE EPOXY (resin bisphenyl and	1	Gram(GM)	09-May-19
0001598375	-	DEVCON 5-MINUTE EPOXY (resin bisphenyl and	1	Gram(GM)	09-May-19
0001598369	-	DEVCON 5-MINUTE EPOXY (resin bisphenyl and	1	Gram(GM)	09-May-19
0001598370	-	DEVCON 5-MINUTE EPOXY (resin bisphenyl and	1	Gram(GM)	09-May-19
0001598367	-	DEVCON 5-MINUTE EPOXY (resin bisphenyl and	1	Gram(GM)	09-May-19
0001598378	-	DEVCON 5-MINUTE EPOXY (resin bisphenyl and	1	Gram(GM)	09-May-19
0001598376	-	DEVCON 5-MINUTE EPOXY (resin bisphenyl and	1	Gram(GM)	09-May-19
0001598361	-	DEVCON 5-MINUTE EPOXY (resin bisphenyl and	1	Gram(GM)	09-May-19
0001598373	-	DEVCON 5-MINUTE EPOXY (resin bisphenyl and	1	Gram(GM)	09-May-19
0001598372	-	DEVCON 5-MINUTE EPOXY (resin bisphenyl and	1	Gram(GM)	09-May-19
0001598371	-	DEVCON 5-MINUTE EPOXY (resin bisphenyl and	1	Gram(GM)	09-May-19
0001598364	-	DEVCON 5-MINUTE EPOXY (resin bisphenyl and	1	Gram(GM)	09-May-19
0001598363	-	DEVCON 5-MINUTE EPOXY (resin bisphenyl and	1	Gram(GM)	09-May-19
0001598374	-	DEVCON 5-MINUTE EPOXY (resin bisphenyl and	1	Gram(GM)	09-May-19
0001598362	-	DEVCON 5-MINUTE EPOXY (resin bisphenyl and	1	Gram(GM)	09-May-19
0001598360	-	DEVCON 5-MINUTE EPOXY (resin bisphenyl and	1	Gram(GM)	09-May-19
0001598377	-	DEVCON 5-MINUTE EPOXY (resin bisphenyl and	1	Gram(GM)	09-May-19
0001598431	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598445	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598495	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598441	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598505	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598504	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598503	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598502	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598501	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598500	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598499	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598498	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598507	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598496	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598508	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598494	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598493	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598492	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598491	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598490	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001598489	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598488	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598487	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598486	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598485	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598497	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598519	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598530	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598529	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598528	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598527	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598526	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598525	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598524	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598523	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598522	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598506	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598520	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598482	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598518	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598517	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598516	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598515	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598514	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598513	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598512	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598511	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598510	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598509	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598521	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598446	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598457	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598456	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598455	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598454	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598453	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598452	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598451	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598450	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598449	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598484	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598447	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598460	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598442	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598443	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598440	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598439	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598438	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001598437	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598436	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598435	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598434	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598433	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598448	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598470	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598432	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598481	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598480	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598479	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598478	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598477	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598476	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598475	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598474	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598473	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598458	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598471	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598459	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598469	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598468	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598467	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598466	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598465	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598464	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598463	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598462	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598461	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598483	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598472	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001598444	-	BIPAX TRA-BOND BA-F1123SC	2	Gram(GM)	09-May-19
0001544256	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	09-May-19
0001544261	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	09-May-19
0001544260	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	09-May-19
0001544259	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	09-May-19
0001544258	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	09-May-19
0001544257	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	09-May-19
0001544262	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	09-May-19
0001544263	-	GACO SF2000 SEAM SEALER	5	Gallon(GAL)	09-May-19
0001544264	-	GACO SF2000 SEAM SEALER	5	Gallon(GAL)	09-May-19
V000002E7D	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	09-May-19
V000002E7E	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	09-May-19
V000002E82	-	Avalon Premium 100% Acrylic Interior Satin D/B	1	Gallon(GAL)	09-May-19
V000002E7F	-	Avalon Premium 100% Acrylic Interior Satin D/B	1	Gallon(GAL)	09-May-19
V000002E81	-	Avalon Premium 100% Acrylic Interior Satin D/B	1	Gallon(GAL)	09-May-19
V000002E83	-	Avalon Premium 100% Acrylic Interior Satin D/B	1	Gallon(GAL)	09-May-19
V000002E84	-	Avalon Premium 100% Acrylic Interior Satin D/B	1	Gallon(GAL)	09-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002E85	-	Avalon Premium 100% Acrylic Interior Satin D/B	1	Gallon(GAL)	09-May-19
V000002E86	-	Avalon Premium 100% Acrylic Interior Satin D/B	1	Gallon(GAL)	09-May-19
V000002E87	-	Avalon Premium 100% Acrylic Interior Satin D/B	1	Gallon(GAL)	09-May-19
V000002E88	-	Avalon Premium 100% Acrylic Interior Satin D/B	1	Gallon(GAL)	09-May-19
V000002E80	-	Avalon Premium 100% Acrylic Interior Satin D/B	1	Gallon(GAL)	09-May-19
V000002E8D	-	Avalon Premium 100% Acrylic Interior Satin N/B	1	Gallon(GAL)	09-May-19
V000002E92	-	Avalon Premium 100% Acrylic Interior Satin N/B	1	Gallon(GAL)	09-May-19
V000002E8A	-	Avalon Premium 100% Acrylic Interior Satin N/B	1	Gallon(GAL)	09-May-19
V000002E91	-	Avalon Premium 100% Acrylic Interior Satin N/B	1	Gallon(GAL)	09-May-19
V000002E90	-	Avalon Premium 100% Acrylic Interior Satin N/B	1	Gallon(GAL)	09-May-19
V000002E8F	-	Avalon Premium 100% Acrylic Interior Satin N/B	1	Gallon(GAL)	09-May-19
V000002E8E	-	Avalon Premium 100% Acrylic Interior Satin N/B	1	Gallon(GAL)	09-May-19
V000002E8C	-	Avalon Premium 100% Acrylic Interior Satin N/B	1	Gallon(GAL)	09-May-19
V000002E89	-	Avalon Premium 100% Acrylic Interior Satin N/B	1	Gallon(GAL)	09-May-19
V000002E8B	-	Avalon Premium 100% Acrylic Interior Satin N/B	1	Gallon(GAL)	09-May-19
V000002E94	-	Avalon Premium 100% Acrylic Interior Satin M/B	1	Gallon(GAL)	09-May-19
V000002E95	-	Avalon Premium 100% Acrylic Interior Satin M/B	1	Gallon(GAL)	09-May-19
V000002E93	-	Avalon Premium 100% Acrylic Interior Satin M/B	1	Gallon(GAL)	09-May-19
V000002E97	-	Avalon Premium 100% Acrylic Interior Satin M/B	1	Gallon(GAL)	09-May-19
V000002E96	-	Avalon Premium 100% Acrylic Interior Satin M/B	1	Gallon(GAL)	09-May-19
V000002E9A	-	100% Silicone Rubber Sealant Clear	9.8	Ounces(OZ)	09-May-19
V000002E9D	-	100% Silicone Rubber Sealant Clear	9.8	Ounces(OZ)	09-May-19
V000002E9B	-	100% Silicone Rubber Sealant Clear	9.8	Ounces(OZ)	09-May-19
V000002E99	-	100% Silicone Rubber Sealant Clear	9.8	Ounces(OZ)	09-May-19
V000002E98	-	100% Silicone Rubber Sealant Clear	9.8	Ounces(OZ)	09-May-19
V000002E9E	-	100% Silicone Rubber Sealant Clear	9.8	Ounces(OZ)	09-May-19
V000002E9C	-	100% Silicone Rubber Sealant Clear	9.8	Ounces(OZ)	09-May-19
V000002EA2	-	SASHCO BIG STRETCH SEALER	10.5	Ounces(OZ)	09-May-19
V000002E9F	-	SASHCO BIG STRETCH SEALER	10.5	Ounces(OZ)	09-May-19
V000002EA1	-	SASHCO BIG STRETCH SEALER	10.5	Ounces(OZ)	09-May-19
V000002EA0	-	SASHCO BIG STRETCH SEALER	10.5	Ounces(OZ)	09-May-19
0001544271	-	LIQUID NAILS HEAVY DUTY	10	Ounces(OZ)	09-May-19
0001544272	-	LIQUID NAILS HEAVY DUTY	10	Ounces(OZ)	09-May-19
0001544274	-	INVERTED MARKING PAINT ORANGE	17	Ounces(OZ)	09-May-19
0001544275	-	Armaflex 520 Adhesive	1	Pint(PT)	09-May-19
0001544276	-	Armaflex 520 Adhesive	1	Pint(PT)	09-May-19
0001544277	-	Armaflex 520 Adhesive	1	Pint(PT)	09-May-19
0001544284	-	Armaflex 520 Adhesive	1	Pint(PT)	09-May-19
0001544283	-	Armaflex 520 Adhesive	1	Pint(PT)	09-May-19
0001544282	-	Armaflex 520 Adhesive	1	Pint(PT)	09-May-19
0001544280	-	Armaflex 520 Adhesive	1	Pint(PT)	09-May-19
0001544279	-	Armaflex 520 Adhesive	1	Pint(PT)	09-May-19
0001544281	-	Armaflex 520 Adhesive	1	Pint(PT)	09-May-19
0001544278	-	Armaflex 520 Adhesive	1	Pint(PT)	09-May-19
V000002EA4	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	09-May-19
V000002EA5	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	09-May-19
V000002EA3	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	09-May-19
V000002EA6	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	09-May-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002EA7	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	09-May-19
V000002EAA	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	09-May-19
V000002EA9	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	09-May-19
V000002EA8	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	09-May-19
0001544470	-	Flashing Cement SBS 202	4.75	Gallon(GAL)	09-May-19
0001544487	-	Flashing Cement SBS 202	4.75	Gallon(GAL)	09-May-19
0001544486	-	Flashing Cement SBS 202	4.75	Gallon(GAL)	09-May-19
0001544488	-	Flashing Cement SBS 202	4.75	Gallon(GAL)	09-May-19
0001544485	-	Flashing Cement SBS 202	4.75	Gallon(GAL)	09-May-19
0001544484	-	Flashing Cement SBS 202	4.75	Gallon(GAL)	09-May-19
0001544483	-	Flashing Cement SBS 202	4.75	Gallon(GAL)	09-May-19
0001544482	-	Flashing Cement SBS 202	4.75	Gallon(GAL)	09-May-19
0001544481	-	Flashing Cement SBS 202	4.75	Gallon(GAL)	09-May-19
0001544473	-	Flashing Cement SBS 202	4.75	Gallon(GAL)	09-May-19
0001544471	-	Flashing Cement SBS 202	4.75	Gallon(GAL)	09-May-19
0001544489	-	Flashing Cement SBS 202	4.75	Gallon(GAL)	09-May-19
0001544480	-	Flashing Cement SBS 202	4.75	Gallon(GAL)	09-May-19
0001544472	-	Flashing Cement SBS 202	4.75	Gallon(GAL)	09-May-19
0001544474	-	Flashing Cement SBS 202	4.75	Gallon(GAL)	09-May-19
0001544475	-	Flashing Cement SBS 202	4.75	Gallon(GAL)	09-May-19
0001544476	-	Flashing Cement SBS 202	4.75	Gallon(GAL)	09-May-19
0001544477	-	Flashing Cement SBS 202	4.75	Gallon(GAL)	09-May-19
0001544478	-	Flashing Cement SBS 202	4.75	Gallon(GAL)	09-May-19
0001544479	-	Flashing Cement SBS 202	4.75	Gallon(GAL)	09-May-19
0001544495	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544537	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544536	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544550	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544543	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544538	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544539	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544540	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544541	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544542	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544544	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544545	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544546	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544547	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544549	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544551	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544552	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544535	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544499	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544548	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544590	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544496	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544497	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544498	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001544555	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544500	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544594	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544593	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544595	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544591	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544534	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544526	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544527	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544528	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544529	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544530	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544531	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544532	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544533	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544592	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544505	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544586	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544554	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544524	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544553	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544523	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544522	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544521	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544520	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544584	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544583	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544501	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544502	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544519	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544504	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544589	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544506	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544507	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544508	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544509	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544510	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544511	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544512	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544513	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544514	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544515	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544516	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544517	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544518	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544503	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544570	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544525	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001544556	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544557	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544558	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544559	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544560	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544561	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544562	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544563	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544564	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544565	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544566	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544567	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544587	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544576	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544585	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544582	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544581	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544580	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544579	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544568	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544577	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544569	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544575	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544574	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544573	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544572	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544571	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544588	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544578	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544601	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544600	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544599	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544598	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544596	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544597	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544611	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544612	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544613	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544614	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544610	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544609	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544608	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544604	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544602	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544607	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544603	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544605	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19
0001544606	-	Matrix 102 SBS Membrane Adhesive	4.75	Gallon(GAL)	09-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001544490	-	Roofing Granules C93	5	Gallon(GAL)	09-May-19
0001544491	-	Roofing Granules C93	5	Gallon(GAL)	09-May-19
0001544492	-	Roofing Granules C93	5	Gallon(GAL)	09-May-19
0001544493	-	Roofing Granules C93	5	Gallon(GAL)	09-May-19
0001544494	-	Roofing Granules C93	5	Gallon(GAL)	09-May-19
V000002EAD	-	Avalon Premium 100% Acrylic Interior Semi-Gloss	1	Gallon(GAL)	09-May-19
V000002EAE	-	Avalon Premium 100% Acrylic Interior Semi-Gloss	1	Gallon(GAL)	09-May-19
V000002EAF	-	Avalon Premium 100% Acrylic Interior Semi-Gloss	1	Gallon(GAL)	09-May-19
V000002EAC	-	Avalon Premium 100% Acrylic Interior Semi-Gloss	1	Gallon(GAL)	09-May-19
V000002EAB	-	Avalon Premium 100% Acrylic Interior Semi-Gloss	1	Gallon(GAL)	09-May-19
V000002EB0	-	Avalon Premium 100% Acrylic Interior Semi-Gloss	1	Gallon(GAL)	09-May-19
V000002EB1	-	Avalon Premium 100% Acrylic Interior Semi-Gloss	1	Gallon(GAL)	09-May-19
V000002EB7	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	09-May-19
V000002EB3	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	09-May-19
V000002EB2	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	09-May-19
V000002EB6	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	09-May-19
V000002EB5	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	09-May-19
V000002EB4	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	09-May-19
0001544615	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	09-May-19
0001544616	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	09-May-19
0001544630	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	09-May-19
0001544627	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	09-May-19
0001544626	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	09-May-19
0001544625	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	09-May-19
0001544624	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	09-May-19
0001544628	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	09-May-19
0001544622	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	09-May-19
0001544620	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	09-May-19
0001544619	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	09-May-19
0001544617	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	09-May-19
0001544629	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	09-May-19
0001544623	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	09-May-19
0001544618	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	09-May-19
0001544639	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	09-May-19
0001544631	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	09-May-19
0001544632	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	09-May-19
0001544633	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	09-May-19
0001544634	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	09-May-19
0001544635	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	09-May-19
0001544636	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	09-May-19
0001544621	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	09-May-19
0001544638	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	09-May-19
0001544637	-	GacoFlex SeamSeal Solvent-Free Silicone Sealant	5	Gallon(GAL)	09-May-19
0001544640	-	GACO SF2000 SEAM SEALER	5	Gallon(GAL)	09-May-19
0001544643	-	GACO SF2000 SEAM SEALER	5	Gallon(GAL)	09-May-19
0001544642	-	GACO SF2000 SEAM SEALER	5	Gallon(GAL)	09-May-19
0001544641	-	GACO SF2000 SEAM SEALER	5	Gallon(GAL)	09-May-19
0001544644	-	GACO SF2000 SEAM SEALER	5	Gallon(GAL)	09-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001544645	-	GACO SF2000 SEAM SEALER	5	Gallon(GAL)	09-May-19
0001544646	-	GACO E5320 EPOXY PRIMER PART A	5	Gallon(GAL)	09-May-19
0001544647	-	GACO E5320 EPOXY PRIMER PART A	5	Gallon(GAL)	09-May-19
0001544648	-	GACO E5320 EPOXY PRIMER PART B	5	Gallon(GAL)	09-May-19
0001544649	-	GACO E5320 EPOXY PRIMER PART B	5	Gallon(GAL)	09-May-19
0001544722	-	PSX 700 CURE	0.2	Gallon(GAL)	09-May-19
0001544724	-	PSX 700 CURE	0.2	Gallon(GAL)	09-May-19
0001544725	-	PSX 700 CURE	0.2	Gallon(GAL)	09-May-19
0001544726	-	PSX 700 CURE	0.2	Gallon(GAL)	09-May-19
0001544727	-	PSX 700 CURE	0.2	Gallon(GAL)	09-May-19
0001544723	-	PSX 700 CURE	0.2	Gallon(GAL)	09-May-19
0001544728	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	09-May-19
0001544732	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	09-May-19
0001544733	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	09-May-19
0001544731	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	09-May-19
0001544730	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	09-May-19
0001544729	-	PSX 700 LIGHT TINT RESIN	1	Gallon(GAL)	09-May-19
0001544734	-	XIM PRIMER SEALER BONDER	1	Gallon(GAL)	09-May-19
0001544737	-	XIM PRIMER SEALER BONDER	1	Gallon(GAL)	09-May-19
0001544736	-	XIM PRIMER SEALER BONDER	1	Gallon(GAL)	09-May-19
0001544735	-	XIM PRIMER SEALER BONDER	1	Gallon(GAL)	09-May-19
0001055654	-	LYSOL BRAND II DISINFECTANT	19	Ounces(OZ)	10-May-19
0001598113	75-05-8	ACETONITRILE ANHYDROUS	1	Liters(L)	13-May-19
0001598116	75-05-8	ACETONITRILE ANHYDROUS	1	Liters(L)	13-May-19
0001598114	75-05-8	ACETONITRILE ANHYDROUS	1	Liters(L)	13-May-19
0001598115	75-05-8	ACETONITRILE ANHYDROUS	1	Liters(L)	13-May-19
0001598262	74124-79-1	N N'-DISUCCINIMIDYL CARBO	25	Gram(GM)	13-May-19
0001598263	9003-39-8	POLYVINYLPYRROLIDONE	100	Gram(GM)	13-May-19
0001598264	-	REAGENT RNA LATER RNA STABILIZATION	75	Milliliter(ML)	13-May-19
0001598265	-	TALON METAL AFFINITY RESIN	100	Milliliter(ML)	13-May-19
0001598531	547-58-0	METHYL ORANGE	25	Gram(GM)	13-May-19
0001595043	7647-14-5	SODIUM CHLORIDE CRYSTAL	3	Kilograms(KG)	13-May-19
0001595044	10025-69-1	STANNOUS CHLORIDE DIHYDRATE	500	Gram(GM)	13-May-19
0001595045	10025-69-1	STANNOUS CHLORIDE DIHYDRATE	500	Gram(GM)	13-May-19
0001596838	1493-13-6	TRIFLUOROMETHANE SULFONIC ACID	10	Milliliter(ML)	13-May-19
0001596841	1493-13-6	TRIFLUOROMETHANE SULFONIC ACID	10	Milliliter(ML)	13-May-19
0001596840	1493-13-6	TRIFLUOROMETHANE SULFONIC ACID	10	Milliliter(ML)	13-May-19
0001596839	1493-13-6	TRIFLUOROMETHANE SULFONIC ACID	10	Milliliter(ML)	13-May-19
0001597351	-	Green Fluorescent Degradex PLGA Dry Polymer	50	Milligram(MG)	13-May-19
0001598117	1310-73-2	SODIUM HYDROXIDE	1	Liters(L)	13-May-19
0001598118	1310-73-2	SODIUM HYDROXIDE	1	Liters(L)	13-May-19
0001598119	1693-74-9	TETRAHYDROFURAN-D8	2.5	Milligram(MG)	13-May-19
0001598120	1693-74-9	TETRAHYDROFURAN-D8	2.5	Milligram(MG)	13-May-19
0001598121	502-42-1	Cycloheptanone	25	Gram(GM)	13-May-19
0001598122	10026-11-6	ZIRCONIUM(IV) CHLORIDE	100	Gram(GM)	13-May-19
0001598123	19004-19-4	COPPER(II) NITRATE HYDRATE	100	Gram(GM)	13-May-19
0001598124	554-95-0	1 3 5-BENZENETRICARBOXYLIC ACID	100	Gram(GM)	13-May-19
0001598125	7631-86-9	Silica gel 60 (0.040-0.063 mm)	1	Kilograms(KG)	13-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001544719	-	SHEETROCK Brand PLUS 3 Lightweight All	5	Gallon(GAL)	13-May-19
0001598126	-	KRYTOX FLUORINATED GREASE	2	Ounces(OZ)	13-May-19
0001544721	-	SHEETROCK Brand PLUS 3 Lightweight All	5	Gallon(GAL)	13-May-19
0001544720	-	SHEETROCK Brand PLUS 3 Lightweight All	5	Gallon(GAL)	13-May-19
0001598127	-	KRYTOX FLUORINATED GREASE	2	Ounces(OZ)	13-May-19
0001598128	502-49-8	CYCLOOCTANONE	25	Gram(GM)	13-May-19
0001598129	1830-54-2	DIMETHYL 1 3-ACETONEDICARBOXYLATE	25	Gram(GM)	13-May-19
0001598130	56-81-5	GLYCEROL [GLYCERIN]	500	Milliliter(ML)	13-May-19
0001598131	56-81-5	GLYCEROL [GLYCERIN]	500	Milliliter(ML)	13-May-19
0001598132	60-29-7	DIETHYL ETHER	5	Liters(L)	13-May-19
0001598133	60-29-7	DIETHYL ETHER	5	Liters(L)	13-May-19
0001598134	12093-10-6	FERROCENECARBOXALDEHYDE	10	Gram(GM)	13-May-19
0001598135	-	NAVAL JELLY	16	Ounces(OZ)	13-May-19
0001598136	-	NAVAL JELLY	16	Ounces(OZ)	13-May-19
0001598137	109-99-9	TETRAHYDROFURAN	4	Liters(L)	13-May-19
0001598534	-	BUFFER PACK PH 4/7/10	1	Pint(PT)	13-May-19
0001598536	-	BUFFER PACK PH 4/7/10	1	Pint(PT)	13-May-19
0001598535	-	BUFFER PACK PH 4/7/10	1	Pint(PT)	13-May-19
0001598537	-	TURBIDITY STANDARD	1	Gallon(GAL)	13-May-19
0001598538	-	TURBIDITY STANDARD	1	Gallon(GAL)	13-May-19
0001598539	141-78-6	ETHYL ACETATE	4	Liters(L)	13-May-19
0001598545	141-78-6	ETHYL ACETATE	4	Liters(L)	13-May-19
0001598540	141-78-6	ETHYL ACETATE	4	Liters(L)	13-May-19
0001598541	141-78-6	ETHYL ACETATE	4	Liters(L)	13-May-19
0001598542	141-78-6	ETHYL ACETATE	4	Liters(L)	13-May-19
0001598544	141-78-6	ETHYL ACETATE	4	Liters(L)	13-May-19
0001598546	141-78-6	ETHYL ACETATE	4	Liters(L)	13-May-19
0001598543	141-78-6	ETHYL ACETATE	4	Liters(L)	13-May-19
0001598547	75-09-2	DICHLOROMETHANE	4	Liters(L)	13-May-19
0001598548	75-09-2	DICHLOROMETHANE	4	Liters(L)	13-May-19
0001598551	75-09-2	DICHLOROMETHANE	4	Liters(L)	13-May-19
0001598552	75-09-2	DICHLOROMETHANE	4	Liters(L)	13-May-19
0001598553	75-09-2	DICHLOROMETHANE	4	Liters(L)	13-May-19
0001598549	75-09-2	DICHLOROMETHANE	4	Liters(L)	13-May-19
0001598554	75-09-2	DICHLOROMETHANE	4	Liters(L)	13-May-19
0001598550	75-09-2	DICHLOROMETHANE	4	Liters(L)	13-May-19
0001598555	429-06-1	TETRAETHYLAMMONIUM TETRAFLUOROBORATE	25	Gram(GM)	13-May-19
0001598557	429-06-1	TETRAETHYLAMMONIUM TETRAFLUOROBORATE	25	Gram(GM)	13-May-19
0001598559	429-06-1	TETRAETHYLAMMONIUM TETRAFLUOROBORATE	25	Gram(GM)	13-May-19
0001598556	429-06-1	TETRAETHYLAMMONIUM TETRAFLUOROBORATE	25	Gram(GM)	13-May-19
0001598558	429-06-1	TETRAETHYLAMMONIUM TETRAFLUOROBORATE	25	Gram(GM)	13-May-19
0001598647	-	CUVER 1 COPPER REAGENT	10	Milliliter(ML)	13-May-19
0001598652	-	CUVER 1 COPPER REAGENT	10	Milliliter(ML)	13-May-19
0001598656	-	CUVER 1 COPPER REAGENT	10	Milliliter(ML)	13-May-19
0001598655	-	CUVER 1 COPPER REAGENT	10	Milliliter(ML)	13-May-19
0001598648	-	CUVER 1 COPPER REAGENT	10	Milliliter(ML)	13-May-19
0001598653	-	CUVER 1 COPPER REAGENT	10	Milliliter(ML)	13-May-19
0001598651	-	CUVER 1 COPPER REAGENT	10	Milliliter(ML)	13-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001598650	-	CUVER 1 COPPER REAGENT	10	Milliliter(ML)	13-May-19
0001598649	-	CUVER 1 COPPER REAGENT	10	Milliliter(ML)	13-May-19
0001598654	-	CUVER 1 COPPER REAGENT	10	Milliliter(ML)	13-May-19
0001455323	-	454 INSTANT ADHESIVE	0.1	Ounces(OZ)	13-May-19
0001455324	-	454 INSTANT ADHESIVE	0.1	Ounces(OZ)	13-May-19
0001455326	-	THREADLOCKER RED	0.2	Ounces(OZ)	13-May-19
0001544285	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544291	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544294	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544293	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544292	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544290	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544289	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544288	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544295	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544286	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544302	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544287	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544296	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544297	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544298	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544299	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544301	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544303	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544304	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544305	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544306	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544307	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544308	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544309	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544300	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544335	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544358	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544366	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544365	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544364	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544363	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544362	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544361	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544350	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544359	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544369	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544357	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544356	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544355	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544354	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544353	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544352	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001544351	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544360	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544376	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544385	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544384	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544383	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544382	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544381	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544333	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544379	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544367	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544377	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544368	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544375	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544374	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544373	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544372	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544371	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544370	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544378	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544310	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544318	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544327	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544326	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544325	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544324	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544323	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544322	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544321	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544328	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544319	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544315	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544317	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544316	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544314	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544312	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544311	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544349	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544380	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544320	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544345	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544348	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544347	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544313	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544329	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544346	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544344	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544343	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001544342	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544341	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544339	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544338	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544337	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544330	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544336	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544331	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544340	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544332	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544334	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544422	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544431	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544430	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544429	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544428	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544426	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544419	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544423	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544421	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544420	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544432	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544441	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544418	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544424	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544433	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544434	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544435	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544436	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544437	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544438	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544440	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544442	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544443	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544444	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544445	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544425	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544417	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544396	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544439	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544402	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544386	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544387	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544388	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544389	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544390	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544391	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544392	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001544393	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544394	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544395	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544397	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544399	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544398	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544401	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544416	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544403	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544404	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544405	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544406	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544407	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544408	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544409	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544410	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544411	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544412	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544413	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544414	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544415	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544400	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544427	64-17-5	ETHYL ALCOHOL 200 PROOF	1	Pint(PT)	13-May-19
0001544446	-	Black Stripe Extra	18	Ounces(OZ)	13-May-19
0001544455	-	Black Stripe Extra	18	Ounces(OZ)	13-May-19
0001544456	-	Black Stripe Extra	18	Ounces(OZ)	13-May-19
0001544457	-	Black Stripe Extra	18	Ounces(OZ)	13-May-19
0001544458	-	Black Stripe Extra	18	Ounces(OZ)	13-May-19
0001544459	-	Black Stripe Extra	18	Ounces(OZ)	13-May-19
0001544461	-	Black Stripe Extra	18	Ounces(OZ)	13-May-19
0001544454	-	Black Stripe Extra	18	Ounces(OZ)	13-May-19
0001544464	-	Black Stripe Extra	18	Ounces(OZ)	13-May-19
0001544460	-	Black Stripe Extra	18	Ounces(OZ)	13-May-19
0001544465	-	Black Stripe Extra	18	Ounces(OZ)	13-May-19
0001544466	-	Black Stripe Extra	18	Ounces(OZ)	13-May-19
0001544467	-	Black Stripe Extra	18	Ounces(OZ)	13-May-19
0001544468	-	Black Stripe Extra	18	Ounces(OZ)	13-May-19
0001544469	-	Black Stripe Extra	18	Ounces(OZ)	13-May-19
0001544463	-	Black Stripe Extra	18	Ounces(OZ)	13-May-19
0001544452	-	Black Stripe Extra	18	Ounces(OZ)	13-May-19
0001544451	-	Black Stripe Extra	18	Ounces(OZ)	13-May-19
0001544450	-	Black Stripe Extra	18	Ounces(OZ)	13-May-19
0001544449	-	Black Stripe Extra	18	Ounces(OZ)	13-May-19
0001544448	-	Black Stripe Extra	18	Ounces(OZ)	13-May-19
0001544447	-	Black Stripe Extra	18	Ounces(OZ)	13-May-19
0001544462	-	Black Stripe Extra	18	Ounces(OZ)	13-May-19
0001544453	-	Black Stripe Extra	18	Ounces(OZ)	13-May-19
0001544273	-	3M Hi-Strength Spray Adhesive 90	17.6	Ounces(OZ)	13-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001544738	-	GLOSS OSHA SAFETY YELLOW	12	Ounces(OZ)	13-May-19
0001544761	-	GLOSS OSHA SAFETY YELLOW	12	Ounces(OZ)	13-May-19
0001544760	-	GLOSS OSHA SAFETY YELLOW	12	Ounces(OZ)	13-May-19
0001544759	-	GLOSS OSHA SAFETY YELLOW	12	Ounces(OZ)	13-May-19
0001544758	-	GLOSS OSHA SAFETY YELLOW	12	Ounces(OZ)	13-May-19
0001544757	-	GLOSS OSHA SAFETY YELLOW	12	Ounces(OZ)	13-May-19
0001544756	-	GLOSS OSHA SAFETY YELLOW	12	Ounces(OZ)	13-May-19
0001544762	-	GLOSS OSHA SAFETY YELLOW	12	Ounces(OZ)	13-May-19
0001544754	-	GLOSS OSHA SAFETY YELLOW	12	Ounces(OZ)	13-May-19
0001544773	-	GLOSS OSHA SAFETY YELLOW	12	Ounces(OZ)	13-May-19
0001544753	-	GLOSS OSHA SAFETY YELLOW	12	Ounces(OZ)	13-May-19
0001544755	-	GLOSS OSHA SAFETY YELLOW	12	Ounces(OZ)	13-May-19
0001544763	-	GLOSS OSHA SAFETY YELLOW	12	Ounces(OZ)	13-May-19
0001544764	-	GLOSS OSHA SAFETY YELLOW	12	Ounces(OZ)	13-May-19
0001544765	-	GLOSS OSHA SAFETY YELLOW	12	Ounces(OZ)	13-May-19
0001544767	-	GLOSS OSHA SAFETY YELLOW	12	Ounces(OZ)	13-May-19
0001544772	-	GLOSS OSHA SAFETY YELLOW	12	Ounces(OZ)	13-May-19
0001544771	-	GLOSS OSHA SAFETY YELLOW	12	Ounces(OZ)	13-May-19
0001544770	-	GLOSS OSHA SAFETY YELLOW	12	Ounces(OZ)	13-May-19
0001544769	-	GLOSS OSHA SAFETY YELLOW	12	Ounces(OZ)	13-May-19
0001544768	-	GLOSS OSHA SAFETY YELLOW	12	Ounces(OZ)	13-May-19
0001544752	-	GLOSS OSHA SAFETY YELLOW	12	Ounces(OZ)	13-May-19
0001544766	-	GLOSS OSHA SAFETY YELLOW	12	Ounces(OZ)	13-May-19
0001544740	-	GLOSS OSHA SAFETY YELLOW	12	Ounces(OZ)	13-May-19
0001544739	-	GLOSS OSHA SAFETY YELLOW	12	Ounces(OZ)	13-May-19
0001544751	-	GLOSS OSHA SAFETY YELLOW	12	Ounces(OZ)	13-May-19
0001544741	-	GLOSS OSHA SAFETY YELLOW	12	Ounces(OZ)	13-May-19
0001544742	-	GLOSS OSHA SAFETY YELLOW	12	Ounces(OZ)	13-May-19
0001544743	-	GLOSS OSHA SAFETY YELLOW	12	Ounces(OZ)	13-May-19
0001544744	-	GLOSS OSHA SAFETY YELLOW	12	Ounces(OZ)	13-May-19
0001544746	-	GLOSS OSHA SAFETY YELLOW	12	Ounces(OZ)	13-May-19
0001544747	-	GLOSS OSHA SAFETY YELLOW	12	Ounces(OZ)	13-May-19
0001544748	-	GLOSS OSHA SAFETY YELLOW	12	Ounces(OZ)	13-May-19
0001544749	-	GLOSS OSHA SAFETY YELLOW	12	Ounces(OZ)	13-May-19
0001544750	-	GLOSS OSHA SAFETY YELLOW	12	Ounces(OZ)	13-May-19
0001544745	-	GLOSS OSHA SAFETY YELLOW	12	Ounces(OZ)	13-May-19
0001544774	-	STRUST +SSPR 6PK METALC SILVER	11	Ounces(OZ)	13-May-19
0001544779	-	STRUST +SSPR 6PK METALC SILVER	11	Ounces(OZ)	13-May-19
0001544785	-	STRUST +SSPR 6PK METALC SILVER	11	Ounces(OZ)	13-May-19
0001544784	-	STRUST +SSPR 6PK METALC SILVER	11	Ounces(OZ)	13-May-19
0001544783	-	STRUST +SSPR 6PK METALC SILVER	11	Ounces(OZ)	13-May-19
0001544782	-	STRUST +SSPR 6PK METALC SILVER	11	Ounces(OZ)	13-May-19
0001544780	-	STRUST +SSPR 6PK METALC SILVER	11	Ounces(OZ)	13-May-19
0001544778	-	STRUST +SSPR 6PK METALC SILVER	11	Ounces(OZ)	13-May-19
0001544776	-	STRUST +SSPR 6PK METALC SILVER	11	Ounces(OZ)	13-May-19
0001544775	-	STRUST +SSPR 6PK METALC SILVER	11	Ounces(OZ)	13-May-19
0001544777	-	STRUST +SSPR 6PK METALC SILVER	11	Ounces(OZ)	13-May-19
0001544781	-	STRUST +SSPR 6PK METALC SILVER	11	Ounces(OZ)	13-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001616149	-	Refrigerant gas N.O.S.(Hydroflurocarbons/inert)	2.79	Ounces(OZ)	13-May-19
0001616146	-	Refrigerant gas N.O.S.(Hydroflurocarbons/inert)	2.79	Ounces(OZ)	13-May-19
0001616150	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	500	Liters(L)	13-May-19
0001386734	-	ELECTRODE FILLING SOLUTION	2	Ounces(OZ)	14-May-19
V000002EBE	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	14-May-19
V000002EBD	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	14-May-19
V000002EBF	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	14-May-19
V000002EBA	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	14-May-19
V000002EB9	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	14-May-19
V000002EBB	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	14-May-19
V000002EBC	-	SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	14-May-19
V000002EC3	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	14-May-19
V000002ECA	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	14-May-19
V000002EC9	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	14-May-19
V000002EC8	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	14-May-19
V000002EC7	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	14-May-19
V000002EC6	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	14-May-19
V000002EC4	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	14-May-19
V000002EC2	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	14-May-19
V000002EC1	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	14-May-19
V000002ECB	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	14-May-19
V000002EC0	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	14-May-19
V000002EC5	-	FLEETGUARD DEF ADBLUE DIESEL EXHAUST	2.5	Gallon(GAL)	14-May-19
V000002EED	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002EEC	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002EF8	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002ED3	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002ED2	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002ED1	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002ED0	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002ECF	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002ECE	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002ECD	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002ED5	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002EEB	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002ED6	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002EEE	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002EF0	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002EF1	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002EF2	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002EF3	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002EF4	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002EF5	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002EEF	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002EF6	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002ECC	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002EE6	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002EDC	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002EDD	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002EDE	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002EDF	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002EE0	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002EE1	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002EE2	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002EE3	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002ED4	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002EE5	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002EF7	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002EE7	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002EE8	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002EE9	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002EEA	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002EDB	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002EDA	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002ED9	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002ED8	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002ED7	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002EE4	-	Parts Plus SAE 15W-40 Motor Oil	1	Quarts(QT)	14-May-19
V000002F02	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	14-May-19
V000002EF9	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	14-May-19
V000002EFA	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	14-May-19
V000002EFB	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	14-May-19
V000002EFC	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	14-May-19
V000002EFD	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	14-May-19
V000002EFE	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	14-May-19
V000002EFF	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	14-May-19
V000002F00	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	14-May-19
V000002F01	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	14-May-19
V000002F07	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	14-May-19
V000002F06	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	14-May-19
V000002F05	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	14-May-19
V000002F03	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	14-May-19
V000002F04	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	14-May-19
V000002F08	-	Mobil 1 5W-40	1	Gallon(GAL)	14-May-19
V000002F09	-	Mobil 1 5W-40	1	Gallon(GAL)	14-May-19
V000002F0A	-	Mobil 1 5W-40	1	Gallon(GAL)	14-May-19
V000002F0B	-	Mobil 1 5W-40	1	Gallon(GAL)	14-May-19
V000002F0F	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	14-May-19
V000002F0E	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	14-May-19
V000002F0D	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	14-May-19
V000002F0C	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	14-May-19
V000002F11	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	14-May-19
V000002F10	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	14-May-19
V000002F18	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	14-May-19
V000002F1E	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	14-May-19
V000002F1D	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	14-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002F1C	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	14-May-19
V000002F1B	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	14-May-19
V000002F19	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	14-May-19
V000002F14	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	14-May-19
V000002F17	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	14-May-19
V000002F12	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	14-May-19
V000002F1A	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	14-May-19
V000002F13	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	14-May-19
V000002F15	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	14-May-19
V000002F16	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	14-May-19
V000002F20	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	14-May-19
V000002F22	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	14-May-19
V000002F1F	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	14-May-19
V000002F21	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	14-May-19
V000002F23	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	14-May-19
V000002F25	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	14-May-19
V000002F24	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	14-May-19
V000002F26	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	14-May-19
V000002F27	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	14-May-19
V000002F28	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	14-May-19
V000002F29	-	WD-40 MULTI-USE PRODUCT - [Non-Aerosol]	20	Ounces(OZ)	14-May-19
0001598028	87120-72-7	1-Boc-4-aminopiperidine	100	Gram(GM)	14-May-19
0001616151	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	14-May-19
0001598029	144222-22-0	1-N-BOC-4-(Aminomethyl)piperidine	25	Gram(GM)	14-May-19
0001598030	144222-22-0	1-N-BOC-4-(Aminomethyl)piperidine	25	Gram(GM)	14-May-19
0001598031	144222-22-0	1-N-BOC-4-(Aminomethyl)piperidine	25	Gram(GM)	14-May-19
0001598032	144222-22-0	1-N-BOC-4-(Aminomethyl)piperidine	25	Gram(GM)	14-May-19
0001598033	74124-79-1	N N'-DISUCCINIMIDYL CARBO	100	Gram(GM)	14-May-19
0001598040	-	ULTIMA GOLD	1	Liters(L)	14-May-19
0001616152	-	CARBON MONOXIDE IN NITROGEN	2.05	Cubic Feet(CF)	14-May-19
0001598044	-	ULTIMA GOLD	1	Liters(L)	14-May-19
0001598041	-	ULTIMA GOLD	1	Liters(L)	14-May-19
0001598045	-	ULTIMA GOLD	1	Liters(L)	14-May-19
0001598043	-	ULTIMA GOLD	1	Liters(L)	14-May-19
0001598042	-	ULTIMA GOLD	1	Liters(L)	14-May-19
0001616153	-	CARBON MONOXIDE IN NITROGEN	2.05	Cubic Feet(CF)	14-May-19
0001616154	-	100PPM ISOBUTYLENE IN AIR	2.05	Cubic Feet(CF)	14-May-19
0001616155	-	100PPM ISOBUTYLENE IN AIR	2.05	Cubic Feet(CF)	14-May-19
0001598141	-	Albedo 100 Reflective Spray Non-Permanent	4.6	Ounces(OZ)	14-May-19
0001598657	68083-19-2	Silicone Resin	1	Pint(PT)	14-May-19
0001598658	109-72-8	N-BUTYLLITHIUM 1.6M IN HEXANES	100	Milliliter(ML)	14-May-19
0001598659	109-72-8	N-BUTYLLITHIUM 1.6M IN HEXANES	100	Milliliter(ML)	14-May-19
0001598661	109-72-8	N-BUTYLLITHIUM 1.6M IN HEXANES	100	Milliliter(ML)	14-May-19
0001598660	109-72-8	N-BUTYLLITHIUM 1.6M IN HEXANES	100	Milliliter(ML)	14-May-19
0001598662	998-40-3	TRIBUTYLPHOSPHINE	100	Gram(GM)	14-May-19
0001598663	998-40-3	TRIBUTYLPHOSPHINE	100	Gram(GM)	14-May-19
0001616156	7783-06-4	HYDROGEN SULFIDE	2.05	Cubic Feet(CF)	14-May-19
0001616148	-	Refrigerant gas N.O.S.(Hydroflurocarbons/inert)	2.79	Ounces(OZ)	14-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001616147	-	Refrigerant gas N.O.S.(Hydroflurocarbons/inert)	2.79	Ounces(OZ)	14-May-19
0001544265	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	14-May-19
0001544266	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	14-May-19
0001544267	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	14-May-19
0001544268	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	14-May-19
0001544269	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	14-May-19
0001544270	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	14-May-19
V000002F70	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F71	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F51	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F5D	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F46	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F47	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F48	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F49	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F4A	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F4B	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F4C	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F4D	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F4E	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F44	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F50	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F43	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F52	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F53	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F54	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F55	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F56	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F57	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F58	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F59	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F5A	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F5B	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F5C	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F4F	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F37	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F6F	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F2A	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F2B	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F2C	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F2D	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F2E	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F2F	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F30	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F32	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F34	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F45	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F36	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002F33	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F38	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F39	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F3A	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F3B	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F3C	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F3D	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F3E	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F3F	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F40	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F41	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F42	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F35	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F5E	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F6D	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F6E	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F31	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F6C	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F6B	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F6A	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F69	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F68	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F61	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F66	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F65	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F64	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F63	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F62	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F5F	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F67	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F60	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V000002F74	-	Cote All 340 J.D. (Safety) Yellow	1	Gallon(GAL)	14-May-19
V000002F75	-	Cote All 340 J.D. (Safety) Yellow	1	Gallon(GAL)	14-May-19
V000002F76	-	Cote All 340 J.D. (Safety) Yellow	1	Gallon(GAL)	14-May-19
V000002F77	-	Cote All 340 J.D. (Safety) Yellow	1	Gallon(GAL)	14-May-19
V000002F78	-	Cote All 340 J.D. (Safety) Yellow	1	Gallon(GAL)	14-May-19
V000002F73	-	Cote All 340 J.D. (Safety) Yellow	1	Gallon(GAL)	14-May-19
V000002F7B	-	Cote All 340 J.D. (Safety) Yellow	1	Gallon(GAL)	14-May-19
V000002F72	-	Cote All 340 J.D. (Safety) Yellow	1	Gallon(GAL)	14-May-19
V000002F7A	-	Cote All 340 J.D. (Safety) Yellow	1	Gallon(GAL)	14-May-19
V000002F79	-	Cote All 340 J.D. (Safety) Yellow	1	Gallon(GAL)	14-May-19
V000002FBD	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FBF	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FC0	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FC1	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FBE	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FBC	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FBB	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002FB7	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FB9	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FB8	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FC2	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FC9	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FB6	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FB5	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FB4	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FB3	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FB2	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FB1	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FB0	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FBA	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FD1	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FDF	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FDE	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FDD	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FDC	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FDB	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FDA	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FD9	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FD8	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FD7	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FD6	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FD5	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FD4	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FC7	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FD2	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FC3	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FD0	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FCF	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FCE	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FCD	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FCC	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FCB	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FCA	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FA5	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FC8	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FAF	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FC6	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FC5	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FC4	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FD3	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002F89	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002F7D	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002F7E	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FAE	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002F80	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002FA7	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002F82	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002F83	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002F84	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002F85	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002F86	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002F7C	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002F88	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002F7F	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002F8A	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002F8B	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002F8F	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002F90	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002F91	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002F92	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002F93	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002F94	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002F95	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002F96	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002F97	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002F87	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FA3	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FAD	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FAC	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FAB	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FAA	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FA9	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FA8	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002F81	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FA4	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FA2	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FA1	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FA0	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002F8D	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FA6	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002F8C	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002F9F	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002F98	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002F99	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002F9A	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002F9B	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002F9C	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002F9D	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002F8E	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002F9E	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000301B	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FE0	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FE1	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000002FE2	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FE3	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FE4	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FE5	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FE6	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FE7	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FE8	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003022	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000302C	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000302B	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000302A	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003029	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003028	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003027	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003026	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003025	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003016	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003023	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000302F	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003021	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003020	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000301F	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000301E	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000301D	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000301C	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000301A	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003018	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003019	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003024	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003038	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003043	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003042	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003041	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003040	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000303F	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000303E	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000303D	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000303C	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000303B	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000302D	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003039	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000302E	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003037	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003036	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003035	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003034	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003033	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003032	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000003031	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003030	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003015	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000303A	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FF3	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003017	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FFC	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FFB	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FFA	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FF9	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FF8	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FF7	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FF6	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FFE	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FF4	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FFF	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FF2	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FF1	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FF0	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FEF	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FEE	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FED	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FEC	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FEB	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FEA	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FF5	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003009	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003014	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003013	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003012	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003011	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003010	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000300F	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000300E	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000300D	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000300C	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FFD	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000300A	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000002FE9	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003008	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003007	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003006	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003005	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003004	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003003	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003002	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003001	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003000	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V00000300B	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000306D	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003079	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003085	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003083	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003081	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003080	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000307F	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000307E	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000307D	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000307C	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003070	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000307A	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003088	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003078	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003077	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003076	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003075	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003074	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003073	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003072	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003071	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000307B	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003091	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000309B	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000309A	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003099	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003098	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003097	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003096	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003095	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003094	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003086	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003092	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003087	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003090	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000308F	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000308E	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000308D	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000308C	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000308B	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000308A	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003089	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003082	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003093	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000304C	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003057	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003056	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000003055	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003054	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003053	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003052	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003051	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003050	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000304F	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003058	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000304D	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003047	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000304B	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000304A	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003049	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003048	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000306F	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003046	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003084	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003044	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000306B	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000304E	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000306A	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003045	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003059	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000306C	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003069	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003068	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003067	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003066	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003065	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003064	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003063	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003061	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003060	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000305F	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000305E	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000305D	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000305C	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000305B	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000305A	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V00000306E	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V000003062	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	14-May-19
V0000030AF	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V0000030BF	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V0000030B5	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V0000030B4	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V0000030B3	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V0000030B2	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V0000030B0	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V0000030BB	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V0000030B1	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V0000030B6	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V0000030B7	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V0000030B8	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V0000030BA	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V0000030BC	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V0000030BD	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V0000030AE	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V0000030BE	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V0000030A3	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V0000030B9	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V0000030A2	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V00000309C	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V00000309D	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V00000309E	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V00000309F	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V0000030A5	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V0000030A1	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V0000030AD	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V0000030A4	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V0000030A6	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V0000030A7	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V0000030A8	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V0000030A9	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V0000030AA	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V0000030AB	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V0000030AC	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V0000030A0	-	GE Silicone II Window and Door Sealant	10.1	Ounces(OZ)	14-May-19
V0000030C1	-	Avalon Premium 100% Acrylic Interior Semi-Gloss	1	Gallon(GAL)	14-May-19
V0000030C2	-	Avalon Premium 100% Acrylic Interior Semi-Gloss	1	Gallon(GAL)	14-May-19
V0000030C4	-	Avalon Premium 100% Acrylic Interior Semi-Gloss	1	Gallon(GAL)	14-May-19
V0000030C3	-	Avalon Premium 100% Acrylic Interior Semi-Gloss	1	Gallon(GAL)	14-May-19
V0000030C0	-	Avalon Premium 100% Acrylic Interior Semi-Gloss	1	Gallon(GAL)	14-May-19
V0000030C5	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	14-May-19
V0000030C6	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	14-May-19
V0000030C7	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	14-May-19
V0000030C8	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	14-May-19
V0000030CC	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	14-May-19
V0000030C9	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	14-May-19
V0000030CA	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	14-May-19
V0000030CB	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	14-May-19
V0000030D5	-	Avalon Premium 100% Acrylic Interior Satin M/B	1	Gallon(GAL)	14-May-19
V0000030D4	-	Avalon Premium 100% Acrylic Interior Satin M/B	1	Gallon(GAL)	14-May-19
V0000030D3	-	Avalon Premium 100% Acrylic Interior Satin M/B	1	Gallon(GAL)	14-May-19
V0000030D2	-	Avalon Premium 100% Acrylic Interior Satin M/B	1	Gallon(GAL)	14-May-19
V0000030D1	-	Avalon Premium 100% Acrylic Interior Satin M/B	1	Gallon(GAL)	14-May-19
V0000030D0	-	Avalon Premium 100% Acrylic Interior Satin M/B	1	Gallon(GAL)	14-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V0000030CF	-	Avalon Premium 100% Acrylic Interior Satin M/B	1	Gallon(GAL)	14-May-19
V0000030CD	-	Avalon Premium 100% Acrylic Interior Satin M/B	1	Gallon(GAL)	14-May-19
V0000030D6	-	Avalon Premium 100% Acrylic Interior Satin M/B	1	Gallon(GAL)	14-May-19
V0000030CE	-	Avalon Premium 100% Acrylic Interior Satin M/B	1	Gallon(GAL)	14-May-19
V0000030D9	-	Avalon Premium 100% Acrylic Interior Semi-Gloss	1	Gallon(GAL)	14-May-19
V0000030DA	-	Avalon Premium 100% Acrylic Interior Semi-Gloss	1	Gallon(GAL)	14-May-19
V0000030D7	-	Avalon Premium 100% Acrylic Interior Semi-Gloss	1	Gallon(GAL)	14-May-19
V0000030D8	-	Avalon Premium 100% Acrylic Interior Semi-Gloss	1	Gallon(GAL)	14-May-19
0001544786	-	KRYLON Industrial TOUGH COAT Acrylic Enamel	12	Ounces(OZ)	14-May-19
0001544798	-	KRYLON Industrial TOUGH COAT Acrylic Enamel	12	Ounces(OZ)	14-May-19
0001544797	-	KRYLON Industrial TOUGH COAT Acrylic Enamel	12	Ounces(OZ)	14-May-19
0001544813	-	KRYLON Industrial TOUGH COAT Acrylic Enamel	12	Ounces(OZ)	14-May-19
0001544807	-	KRYLON Industrial TOUGH COAT Acrylic Enamel	12	Ounces(OZ)	14-May-19
0001544799	-	KRYLON Industrial TOUGH COAT Acrylic Enamel	12	Ounces(OZ)	14-May-19
0001544800	-	KRYLON Industrial TOUGH COAT Acrylic Enamel	12	Ounces(OZ)	14-May-19
0001544801	-	KRYLON Industrial TOUGH COAT Acrylic Enamel	12	Ounces(OZ)	14-May-19
0001544803	-	KRYLON Industrial TOUGH COAT Acrylic Enamel	12	Ounces(OZ)	14-May-19
0001544796	-	KRYLON Industrial TOUGH COAT Acrylic Enamel	12	Ounces(OZ)	14-May-19
0001544805	-	KRYLON Industrial TOUGH COAT Acrylic Enamel	12	Ounces(OZ)	14-May-19
0001544806	-	KRYLON Industrial TOUGH COAT Acrylic Enamel	12	Ounces(OZ)	14-May-19
0001544808	-	KRYLON Industrial TOUGH COAT Acrylic Enamel	12	Ounces(OZ)	14-May-19
0001544809	-	KRYLON Industrial TOUGH COAT Acrylic Enamel	12	Ounces(OZ)	14-May-19
0001544810	-	KRYLON Industrial TOUGH COAT Acrylic Enamel	12	Ounces(OZ)	14-May-19
0001544795	-	KRYLON Industrial TOUGH COAT Acrylic Enamel	12	Ounces(OZ)	14-May-19
0001544812	-	KRYLON Industrial TOUGH COAT Acrylic Enamel	12	Ounces(OZ)	14-May-19
0001544802	-	KRYLON Industrial TOUGH COAT Acrylic Enamel	12	Ounces(OZ)	14-May-19
0001544814	-	KRYLON Industrial TOUGH COAT Acrylic Enamel	12	Ounces(OZ)	14-May-19
0001544815	-	KRYLON Industrial TOUGH COAT Acrylic Enamel	12	Ounces(OZ)	14-May-19
0001544816	-	KRYLON Industrial TOUGH COAT Acrylic Enamel	12	Ounces(OZ)	14-May-19
0001544817	-	KRYLON Industrial TOUGH COAT Acrylic Enamel	12	Ounces(OZ)	14-May-19
0001544818	-	KRYLON Industrial TOUGH COAT Acrylic Enamel	12	Ounces(OZ)	14-May-19
0001544819	-	KRYLON Industrial TOUGH COAT Acrylic Enamel	12	Ounces(OZ)	14-May-19
0001544811	-	KRYLON Industrial TOUGH COAT Acrylic Enamel	12	Ounces(OZ)	14-May-19
0001544794	-	KRYLON Industrial TOUGH COAT Acrylic Enamel	12	Ounces(OZ)	14-May-19
0001544793	-	KRYLON Industrial TOUGH COAT Acrylic Enamel	12	Ounces(OZ)	14-May-19
0001544792	-	KRYLON Industrial TOUGH COAT Acrylic Enamel	12	Ounces(OZ)	14-May-19
0001544791	-	KRYLON Industrial TOUGH COAT Acrylic Enamel	12	Ounces(OZ)	14-May-19
0001544790	-	KRYLON Industrial TOUGH COAT Acrylic Enamel	12	Ounces(OZ)	14-May-19
0001544789	-	KRYLON Industrial TOUGH COAT Acrylic Enamel	12	Ounces(OZ)	14-May-19
0001544788	-	KRYLON Industrial TOUGH COAT Acrylic Enamel	12	Ounces(OZ)	14-May-19
0001544787	-	KRYLON Industrial TOUGH COAT Acrylic Enamel	12	Ounces(OZ)	14-May-19
0001544804	-	KRYLON Industrial TOUGH COAT Acrylic Enamel	12	Ounces(OZ)	14-May-19
0001544820	-	Cote All Safety Green	1	Gallon(GAL)	14-May-19
0001544829	-	Cote All Safety Green	1	Gallon(GAL)	14-May-19
0001544822	-	Cote All Safety Green	1	Gallon(GAL)	14-May-19
0001544821	-	Cote All Safety Green	1	Gallon(GAL)	14-May-19
0001544828	-	Cote All Safety Green	1	Gallon(GAL)	14-May-19
0001544827	-	Cote All Safety Green	1	Gallon(GAL)	14-May-19

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001544826	-	Cote All Safety Green	1	Gallon(GAL)	14-May-19
0001544825	-	Cote All Safety Green	1	Gallon(GAL)	14-May-19
0001544824	-	Cote All Safety Green	1	Gallon(GAL)	14-May-19
0001544823	-	Cote All Safety Green	1	Gallon(GAL)	14-May-19
0001544839	-	XIM 400W WHITE PRIMER SEALER BONDER	1	Gallon(GAL)	14-May-19
0001544911	-	SHEETROCK Brand PLUS 3 Lightweight All	4.5	Gallon(GAL)	14-May-19
0001544912	-	SHEETROCK Brand PLUS 3 Lightweight All	4.5	Gallon(GAL)	14-May-19
0001544913	-	Finium DTM-AT S/G Acrylic W/B	1	Gallon(GAL)	14-May-19
0001544915	-	Finium DTM-AT S/G Acrylic W/B	1	Gallon(GAL)	14-May-19
0001544914	-	Finium DTM-AT S/G Acrylic W/B	1	Gallon(GAL)	14-May-19
0001544916	-	Finium DTM-AT S/G Acrylic W/B	1	Gallon(GAL)	14-May-19
0001573844	-	Brakleen Brake Parts Cleaner - Non-chlorinated	14	Ounces(OZ)	14-May-19
0001616215	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	15-May-19
0001616216	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	15-May-19
0001616219	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	15-May-19
0001616226	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	15-May-19
0001616218	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	15-May-19
0001616220	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	15-May-19
0001616221	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	15-May-19
0001616222	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	15-May-19
0001616223	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	15-May-19
0001616224	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	15-May-19
0001616225	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	15-May-19
0001616217	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	15-May-19
0001616157	-	Hydrogen UHP	220	Cubic Feet(CF)	15-May-19
0001616158	-	Hydrogen UHP	220	Cubic Feet(CF)	15-May-19
0001616159	-	Hydrogen UHP	220	Cubic Feet(CF)	15-May-19
0001616160	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	15-May-19
0001616161	-	AIR COMPRESSED	220	Cubic Feet(CF)	15-May-19
0001616165	-	AIR COMPRESSED	220	Cubic Feet(CF)	15-May-19
0001616162	-	AIR COMPRESSED	220	Cubic Feet(CF)	15-May-19
0001616164	-	AIR COMPRESSED	220	Cubic Feet(CF)	15-May-19
0001616163	-	AIR COMPRESSED	220	Cubic Feet(CF)	15-May-19
0001616166	-	Nitrogen UHP	220	Cubic Feet(CF)	15-May-19
0001616183	-	Nitrogen UHP	220	Cubic Feet(CF)	15-May-19
0001616182	-	Nitrogen UHP	220	Cubic Feet(CF)	15-May-19
0001616181	-	Nitrogen UHP	220	Cubic Feet(CF)	15-May-19
0001616177	-	Nitrogen UHP	220	Cubic Feet(CF)	15-May-19
0001616179	-	Nitrogen UHP	220	Cubic Feet(CF)	15-May-19
0001616184	-	Nitrogen UHP	220	Cubic Feet(CF)	15-May-19
0001616173	-	Nitrogen UHP	220	Cubic Feet(CF)	15-May-19
0001616180	-	Nitrogen UHP	220	Cubic Feet(CF)	15-May-19
0001616174	-	Nitrogen UHP	220	Cubic Feet(CF)	15-May-19
0001616175	-	Nitrogen UHP	220	Cubic Feet(CF)	15-May-19
0001616176	-	Nitrogen UHP	220	Cubic Feet(CF)	15-May-19
0001616178	-	Nitrogen UHP	220	Cubic Feet(CF)	15-May-19
0001616172	-	Nitrogen UHP	220	Cubic Feet(CF)	15-May-19
0001616167	-	Nitrogen UHP	220	Cubic Feet(CF)	15-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001616168	-	Nitrogen UHP	220	Cubic Feet(CF)	15-May-19
0001616169	-	Nitrogen UHP	220	Cubic Feet(CF)	15-May-19
0001616170	-	Nitrogen UHP	220	Cubic Feet(CF)	15-May-19
0001616171	-	Nitrogen UHP	220	Cubic Feet(CF)	15-May-19
0001616185	-	Nitrogen UHP	220	Cubic Feet(CF)	15-May-19
0001616186	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	15-May-19
0001616187	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	15-May-19
0001616188	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	15-May-19
0001616190	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	15-May-19
0001616191	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	15-May-19
0001616189	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	15-May-19
0001616192	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	15-May-19
0001616193	7440-59-7	HELIUM	220	Cubic Feet(CF)	15-May-19
0001616200	7440-59-7	HELIUM	220	Cubic Feet(CF)	15-May-19
0001616195	7440-59-7	HELIUM	220	Cubic Feet(CF)	15-May-19
0001616196	7440-59-7	HELIUM	220	Cubic Feet(CF)	15-May-19
0001616197	7440-59-7	HELIUM	220	Cubic Feet(CF)	15-May-19
0001616198	7440-59-7	HELIUM	220	Cubic Feet(CF)	15-May-19
0001616199	7440-59-7	HELIUM	220	Cubic Feet(CF)	15-May-19
0001616201	7440-59-7	HELIUM	220	Cubic Feet(CF)	15-May-19
0001616202	7440-59-7	HELIUM	220	Cubic Feet(CF)	15-May-19
0001616203	7440-59-7	HELIUM	220	Cubic Feet(CF)	15-May-19
0001616194	7440-59-7	HELIUM	220	Cubic Feet(CF)	15-May-19
0001616204	-	Argon UHP	220	Cubic Feet(CF)	15-May-19
0001616211	-	Argon UHP	220	Cubic Feet(CF)	15-May-19
0001616206	-	Argon UHP	220	Cubic Feet(CF)	15-May-19
0001616209	-	Argon UHP	220	Cubic Feet(CF)	15-May-19
0001616210	-	Argon UHP	220	Cubic Feet(CF)	15-May-19
0001616207	-	Argon UHP	220	Cubic Feet(CF)	15-May-19
0001616212	-	Argon UHP	220	Cubic Feet(CF)	15-May-19
0001616213	-	Argon UHP	220	Cubic Feet(CF)	15-May-19
0001616214	-	Argon UHP	220	Cubic Feet(CF)	15-May-19
0001616205	-	Argon UHP	220	Cubic Feet(CF)	15-May-19
0001616208	-	Argon UHP	220	Cubic Feet(CF)	15-May-19
0001616227	-	Argon UHP	220	Cubic Feet(CF)	15-May-19
0001616228	-	Oxygen UHP	220	Cubic Feet(CF)	15-May-19
0001616229	-	Oxygen UHP	220	Cubic Feet(CF)	15-May-19
0001616238	-	Oxygen UHP	220	Cubic Feet(CF)	15-May-19
0001616239	-	Oxygen UHP	220	Cubic Feet(CF)	15-May-19
0001616240	-	Oxygen UHP	220	Cubic Feet(CF)	15-May-19
0001616241	-	Oxygen UHP	220	Cubic Feet(CF)	15-May-19
0001616242	-	Oxygen UHP	220	Cubic Feet(CF)	15-May-19
0001616237	-	Oxygen UHP	220	Cubic Feet(CF)	15-May-19
0001616236	-	Oxygen UHP	220	Cubic Feet(CF)	15-May-19
0001616235	-	Oxygen UHP	220	Cubic Feet(CF)	15-May-19
0001616234	-	Oxygen UHP	220	Cubic Feet(CF)	15-May-19
0001616233	-	Oxygen UHP	220	Cubic Feet(CF)	15-May-19
0001616232	-	Oxygen UHP	220	Cubic Feet(CF)	15-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001616231	-	Oxygen UHP	220	Cubic Feet(CF)	15-May-19
0001616230	-	Oxygen UHP	220	Cubic Feet(CF)	15-May-19
0001616243	74-86-2	ACETYLENE STABILIZED	130	Pounds(LB)	15-May-19
0001616244	74-98-6	PROPANE	50	Pounds(LB)	15-May-19
0001616245	74-98-6	PROPANE	50	Pounds(LB)	15-May-19
0001616251	74-98-6	PROPANE	50	Pounds(LB)	15-May-19
0001616250	74-98-6	PROPANE	11	Gallon(GAL)	15-May-19
0001616249	74-98-6	PROPANE	50	Pounds(LB)	15-May-19
0001616248	74-98-6	PROPANE	50	Pounds(LB)	15-May-19
0001616246	74-98-6	PROPANE	50	Pounds(LB)	15-May-19
0001616247	74-98-6	PROPANE	50	Pounds(LB)	15-May-19
0001616252	7440-59-7	HELIUM	40	Cubic Feet(CF)	15-May-19
0001616254	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Liters(L)	15-May-19
0001616255	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Liters(L)	15-May-19
0001616256	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Liters(L)	15-May-19
0001616257	-	Oxygen UHP	220	Cubic Feet(CF)	15-May-19
0001616253	-	10% AMMONIA/BAL. HELIUM	220	Cubic Feet(CF)	15-May-19
0001544917	-	Proseal Proseal Spray Fiberseal	1	Gallon(GAL)	15-May-19
0001544919	-	Proseal Proseal Spray Fiberseal	1	Gallon(GAL)	15-May-19
0001544920	-	Proseal Proseal Spray Fiberseal	1	Gallon(GAL)	15-May-19
0001544921	-	Proseal Proseal Spray Fiberseal	1	Gallon(GAL)	15-May-19
0001544922	-	Proseal Proseal Spray Fiberseal	1	Gallon(GAL)	15-May-19
0001544923	-	Proseal Proseal Spray Fiberseal	1	Gallon(GAL)	15-May-19
0001544924	-	Proseal Proseal Spray Fiberseal	1	Gallon(GAL)	15-May-19
0001544918	-	Proseal Proseal Spray Fiberseal	1	Gallon(GAL)	15-May-19
0001266365	10101-41-4	CALCIUM SULFATE DIHYDRATE	0.5	Kilograms(KG)	15-May-19
0001266366	14807-96-6	TALC	2.5	Kilograms(KG)	15-May-19
V0000030F1	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	15-May-19
V0000030EE	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	15-May-19
V0000030F0	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	15-May-19
V0000030F2	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	15-May-19
V0000030EC	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	15-May-19
V0000030EB	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	15-May-19
V0000030EA	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	15-May-19
V0000030F3	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	15-May-19
V0000030E9	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	15-May-19
V0000030ED	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	15-May-19
V0000030F4	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	15-May-19
V0000030EF	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	15-May-19
0001544840	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544847	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544851	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544850	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544849	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544848	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544846	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544845	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544844	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001544843	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544854	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544841	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544853	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544842	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544885	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544892	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544891	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544890	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544889	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544888	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544878	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544886	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544895	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544884	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544883	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544882	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544881	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544880	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544879	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544887	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544902	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544852	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544910	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544909	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544908	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544907	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544906	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544893	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544904	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544894	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544900	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544899	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544898	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544897	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544896	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544901	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544905	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544862	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544855	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544903	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544877	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544856	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544857	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544858	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544859	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544861	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544863	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001544864	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544865	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544866	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544867	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544868	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544869	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544874	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544860	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544875	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544873	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544872	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544871	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544870	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001544876	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001459153	25068-38-6	EPON 828	1	Gallon(GAL)	15-May-19
0001544980	-	GE5050 SILICONE II ALUMINUM	10.1	Ounces(OZ)	15-May-19
0001573845	-	POWER STEERING FLUID	1	Quarts(QT)	15-May-19
0001544830	-	COTE ALL DEEP BASE	1	Gallon(GAL)	15-May-19
0001544833	-	COTE ALL DEEP BASE	1	Gallon(GAL)	15-May-19
0001544837	-	COTE ALL DEEP BASE	1	Gallon(GAL)	15-May-19
0001544838	-	COTE ALL DEEP BASE	1	Gallon(GAL)	15-May-19
0001544835	-	COTE ALL DEEP BASE	1	Gallon(GAL)	15-May-19
0001544834	-	COTE ALL DEEP BASE	1	Gallon(GAL)	15-May-19
0001544832	-	COTE ALL DEEP BASE	1	Gallon(GAL)	15-May-19
0001544831	-	COTE ALL DEEP BASE	1	Gallon(GAL)	15-May-19
0001544836	-	COTE ALL DEEP BASE	1	Gallon(GAL)	15-May-19
0001598034	119-61-9	BENZOPHENONE	500	Gram(GM)	16-May-19
0001598046	1493-13-6	TRIFLUOROMETHANE SULFONIC ACID	10	Milliliter(ML)	16-May-19
0001598047	7365-45-9	HEPES	100	Milliliter(ML)	16-May-19
0001598048	127-19-5	N N-DIMETHYLACETAMIDE	1	Liters(L)	16-May-19
0001598035	7440-22-4	SILVER CONDUCTIVE PAINT	31.1	Gram(GM)	16-May-19
0001598039	7440-22-4	SILVER CONDUCTIVE PAINT	31.1	Gram(GM)	16-May-19
0001598038	7440-22-4	SILVER CONDUCTIVE PAINT	31.1	Gram(GM)	16-May-19
0001598037	7440-22-4	SILVER CONDUCTIVE PAINT	31.1	Gram(GM)	16-May-19
0001598036	7440-22-4	SILVER CONDUCTIVE PAINT	31.1	Gram(GM)	16-May-19
0001598049	197587-43-2	(11-Mercaptoundecyl)-N N N-	500	Milligram(MG)	16-May-19
0001598050	1493-13-6	TRIFLUOROMETHANESULFONIC ACID	5	Gram(GM)	16-May-19
0001598051	39339-85-0	AMBERLYST A-26 ION-EXCHANGE RESIN	100	Gram(GM)	16-May-19
0001598052	39339-85-0	AMBERLYST A-26 ION-EXCHANGE RESIN	100	Gram(GM)	16-May-19
0001598053	2885-00-9	OCTADECYL MERCAPTAN	100	Milliliter(ML)	16-May-19
0001598054	2554-06-5	1 3 5 7-TETRAVINYL-1 3 5 7-	10	Milliliter(ML)	16-May-19
0001598055	-	Gold nanoparticles	25	Milliliter(ML)	16-May-19
0001598056	127-19-5	N N-DIMETHYLACETAMIDE	100	Milliliter(ML)	16-May-19
0001598057	127-19-5	N N-DIMETHYLACETAMIDE	100	Milliliter(ML)	16-May-19
0001266364	-	ProtectaClear Protective Coating	4	Milliliter(ML)	16-May-19
0001598062	92-52-4	BIPHENYL	25	Gram(GM)	16-May-19
0001598266	-	Urethane acrylate methacrylate resin	25	Gram(GM)	16-May-19
0001598267	63225-53-6	2-[[(Butylamino)carbonyl]oxy]ethyl acrylate	100	Milliliter(ML)	16-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001598268	24615-84-7	2-Carboxyethyl acrylate oligomers	250	Milliliter(ML)	16-May-19
0001598269	28961-43-5	Ethoxylated (3) Trimethylolpropane Triacrylate	250	Milliliter(ML)	16-May-19
0001598270	15625-89-5	TRIMETHYLOLPROPANE TRIACRYLATE	100	Gram(GM)	16-May-19
0001598271	162881-26-7	Phenylbis(2 4 6-trimethylbenzoyl)phosphine	10	Gram(GM)	16-May-19
0001598272	-	THERMO TUNE B-ICAP	500	Milliliter(ML)	16-May-19
0001598273	-	THERMO TUNE B-ICAP	500	Milliliter(ML)	16-May-19
0001598274	7697-37-2	ICP Tuning Solution	500	Milliliter(ML)	16-May-19
0001598280	7697-37-2	NITRIC ACID OPTIMA	500	Milliliter(ML)	16-May-19
0001598284	7697-37-2	NITRIC ACID OPTIMA	500	Milliliter(ML)	16-May-19
0001598283	7697-37-2	NITRIC ACID OPTIMA	500	Milliliter(ML)	16-May-19
0001598282	7697-37-2	NITRIC ACID OPTIMA	500	Milliliter(ML)	16-May-19
0001598281	7697-37-2	NITRIC ACID OPTIMA	500	Milliliter(ML)	16-May-19
0001598321	68-12-2	N N-DIMETHYLFORMAMIDE	500	Milliliter(ML)	16-May-19
0001598322	-	TORR SEAL EPOXY	2	Ounces(OZ)	16-May-19
0001598324	-	TORR SEAL EPOXY	2	Ounces(OZ)	16-May-19
0001598325	-	TORR SEAL EPOXY	2	Ounces(OZ)	16-May-19
0001598323	-	TORR SEAL EPOXY	2	Ounces(OZ)	16-May-19
0001598326	7719-09-7	THIONYL CHLORIDE	500	Milliliter(ML)	16-May-19
0001598327	7719-09-7	THIONYL CHLORIDE	500	Milliliter(ML)	16-May-19
0001598328	7719-09-7	THIONYL CHLORIDE	500	Milliliter(ML)	16-May-19
0001598329	7719-09-7	THIONYL CHLORIDE	500	Milliliter(ML)	16-May-19
0001598330	7719-09-7	THIONYL CHLORIDE	500	Milliliter(ML)	16-May-19
0001598331	-	Ultragrade 19 Oil	4	Liters(L)	16-May-19
0001598332	70955-01-0	MOLECULAR SIEVES 4A 1/16-INCH BEADS 8-12	500	Gram(GM)	16-May-19
0001598333	584-08-7	POTASSIUM CARBONATE ANHYDROUS	500	Gram(GM)	16-May-19
0001598334	3638-73-1	2 5-Dibromoaniline	25	Gram(GM)	16-May-19
0001598335	141-78-6	ETHYL ACETATE	4	Liters(L)	16-May-19
0001598342	141-78-6	ETHYL ACETATE	4	Liters(L)	16-May-19
0001598341	141-78-6	ETHYL ACETATE	4	Liters(L)	16-May-19
0001598340	141-78-6	ETHYL ACETATE	4	Liters(L)	16-May-19
0001598339	141-78-6	ETHYL ACETATE	4	Liters(L)	16-May-19
0001598338	141-78-6	ETHYL ACETATE	4	Liters(L)	16-May-19
0001598337	141-78-6	ETHYL ACETATE	4	Liters(L)	16-May-19
0001598336	141-78-6	ETHYL ACETATE	4	Liters(L)	16-May-19
0001598343	67-56-1	METHANOL	1	Liters(L)	16-May-19
0001598346	67-56-1	METHANOL	1	Liters(L)	16-May-19
0001598345	67-56-1	METHANOL	1	Liters(L)	16-May-19
0001598344	67-56-1	METHANOL	1	Liters(L)	16-May-19
0001598575	-	cOmplete Mini EDTA-free Protease Inhibitor	50	Milliliter(ML)	16-May-19
0001598576	54827-17-7	3 3' 5 5'-TETRAMETHYLBENZIDINE (TMB)	100	Milliliter(ML)	16-May-19
0001598664	74-79-3	L-ARGININE	100	Gram(GM)	16-May-19
0001598665	-	ULTRA PRO URETHANE SEALER	1	Gallon(GAL)	16-May-19
0001598668	-	ULTRA PRO URETHANE SEALER	1	Gallon(GAL)	16-May-19
0001598667	-	ULTRA PRO URETHANE SEALER	1	Gallon(GAL)	16-May-19
0001598666	-	ULTRA PRO URETHANE SEALER	1	Gallon(GAL)	16-May-19
0001598058	-	1-STEP NBT/BCIP	250	Milliliter(ML)	16-May-19
0001598059	16029-98-4	IODOTRIMETHYLSILANE	25	Gram(GM)	16-May-19
0001598285	-	SILICON OIL	500	Gram(GM)	16-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001598317	7681-52-9	SODIUM HYPOCHLORITE	4	Liters(L)	16-May-19
0001598319	7681-52-9	SODIUM HYPOCHLORITE	4	Liters(L)	16-May-19
0001598320	7681-52-9	SODIUM HYPOCHLORITE	4	Liters(L)	16-May-19
0001598318	7681-52-9	SODIUM HYPOCHLORITE	4	Liters(L)	16-May-19
0001598347	10312-55-7	2-AMINOTEREPHTHALIC ACID	25	Gram(GM)	16-May-19
0001598348	546-68-9	TITANIUM (IV) ISOPROPOXIDE	250	Milliliter(ML)	16-May-19
0001598349	-	ETHYL ALCOHOL DENATURED	3.8	Liters(L)	16-May-19
0001598350	-	ETHYL ALCOHOL DENATURED	3.8	Liters(L)	16-May-19
0001598351	7647-14-5	SODIUM CHLORIDE CRYSTAL	500	Gram(GM)	16-May-19
0001598352	1310-73-2	SODIUM HYDROXIDE PELLETS	500	Gram(GM)	16-May-19
0001598353	1310-73-2	SODIUM HYDROXIDE PELLETS	500	Gram(GM)	16-May-19
0001598354	1310-73-2	SODIUM HYDROXIDE PELLETS	500	Gram(GM)	16-May-19
0001598355	1310-73-2	SODIUM HYDROXIDE PELLETS	500	Gram(GM)	16-May-19
0001598356	1310-73-2	SODIUM HYDROXIDE PELLETS	500	Gram(GM)	16-May-19
0001598357	1310-73-2	SODIUM HYDROXIDE PELLETS	500	Gram(GM)	16-May-19
0001598358	7757-79-1	POTASSIUM NITRATE CRYSTALS	500	Gram(GM)	16-May-19
0001598669	60-29-7	DIETHYL ETHER	1	Liters(L)	16-May-19
0001598670	109-99-9	TETRAHYDROFURAN ANHYDROUS 99.9%	1	Liters(L)	16-May-19
0001598671	64-17-5	ETHYL ALCOHOL DENATURED HPLC	1	Liters(L)	16-May-19
0001598719	-	Henkel Loctite Hysol EA 9394 AERO Epoxy	50	Milliliter(ML)	16-May-19
0001598732	-	Henkel Loctite Hysol EA 9394 AERO Epoxy	50	Milliliter(ML)	16-May-19
0001598723	-	Henkel Loctite Hysol EA 9394 AERO Epoxy	50	Milliliter(ML)	16-May-19
0001598720	-	Henkel Loctite Hysol EA 9394 AERO Epoxy	50	Milliliter(ML)	16-May-19
0001598721	-	Henkel Loctite Hysol EA 9394 AERO Epoxy	50	Milliliter(ML)	16-May-19
0001598722	-	Henkel Loctite Hysol EA 9394 AERO Epoxy	50	Milliliter(ML)	16-May-19
0001598724	-	Henkel Loctite Hysol EA 9394 AERO Epoxy	50	Milliliter(ML)	16-May-19
0001598725	-	Henkel Loctite Hysol EA 9394 AERO Epoxy	50	Milliliter(ML)	16-May-19
0001598726	-	Henkel Loctite Hysol EA 9394 AERO Epoxy	50	Milliliter(ML)	16-May-19
0001598727	-	Henkel Loctite Hysol EA 9394 AERO Epoxy	50	Milliliter(ML)	16-May-19
0001598728	-	Henkel Loctite Hysol EA 9394 AERO Epoxy	50	Milliliter(ML)	16-May-19
0001598729	-	Henkel Loctite Hysol EA 9394 AERO Epoxy	50	Milliliter(ML)	16-May-19
0001598730	-	Henkel Loctite Hysol EA 9394 AERO Epoxy	50	Milliliter(ML)	16-May-19
0001598731	-	Henkel Loctite Hysol EA 9394 AERO Epoxy	50	Milliliter(ML)	16-May-19
0001598733	-	Henkel Loctite Hysol EA 9394 AERO Epoxy	50	Milliliter(ML)	16-May-19
0001598734	68-12-2	N N-DIMETHYLFORMAMIDE ANHYDROUS	4	Liters(L)	16-May-19
0001598735	68-12-2	N N-DIMETHYLFORMAMIDE ANHYDROUS	4	Liters(L)	16-May-19
0001598736	7440-31-5	TIN POWDER	500	Gram(GM)	16-May-19
0001598737	7440-31-5	TIN POWDER	500	Gram(GM)	16-May-19
0001598286	61790-53-2	FILTER AGENT CELITE	2500	Gram(GM)	16-May-19
0001386735	-	TAMER TABS FOR BOILING ACTION	8	Ounces(OZ)	17-May-19
0001386736	7447-40-7	POTASSIUM CHLORIDE	30	Milliliter(ML)	17-May-19
0001598060	79-06-1	NuPAGE Novex 4-12% Bis-Tris Protein Gels	50	Milligram(MG)	20-May-19
0001598061	-	Random Hexamers	5	NMOL	20-May-19
0001598063	7440-55-3	GALLIUM INGOT	25	Gram(GM)	20-May-19
0001598064	7439-92-1	LEAD SHOT	50	Gram(GM)	20-May-19
0001598672	-	BUFFER PH 10 (BLUE BUFFER)	500	Milliliter(ML)	20-May-19
0001598674	7440-55-3	GALLIUM INGOT	250	Gram(GM)	20-May-19
0001598753	108-88-3	TOLUENE	4	Liters(L)	20-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001598756	108-88-3	TOLUENE	4	Liters(L)	20-May-19
0001598755	108-88-3	TOLUENE	4	Liters(L)	20-May-19
0001598754	108-88-3	TOLUENE	4	Liters(L)	20-May-19
0001598757	69011-20-7	AG 50W-X8 RESIN	500	Gram(GM)	20-May-19
0001598758	-	DIMETHYLAMINE 2.0M SOLUTION IN	100	Milliliter(ML)	20-May-19
0001598759	9000-71-9	CASEIN (CASAMINO ACIDS)	500	Gram(GM)	20-May-19
0001598761	67-64-1	ACETONE	1	Liters(L)	20-May-19
0001598762	67-64-1	ACETONE	1	Liters(L)	20-May-19
0001598765	67-64-1	ACETONE	1	Liters(L)	20-May-19
0001598763	67-64-1	ACETONE	1	Liters(L)	20-May-19
0001598766	67-64-1	ACETONE	1	Liters(L)	20-May-19
0001598764	67-64-1	ACETONE	1	Liters(L)	20-May-19
0001598768	31175-20-9	Nafion D-521 dispersion 5% w/w in water and 1-	100	Milliliter(ML)	20-May-19
0001598769	7440-74-6	INDIUM SHOT	50	Gram(GM)	20-May-19
0001545036	-	GacoFlex 2-Part Epoxy Primer/Filler - Part B	5	Gallon(GAL)	20-May-19
0001598770	2404-73-1	Di-n-butyl methylphosphonate	2	Gram(GM)	20-May-19
0001545037	-	EPOXY PART A	5	Gallon(GAL)	20-May-19
0001146658	-	MicroC 2000	2700	Pounds(LB)	20-May-19
0001146660	-	MicroC 2000	2700	Pounds(LB)	20-May-19
0001146659	-	MicroC 2000	2700	Pounds(LB)	20-May-19
0001545038	-	WHITE SOLVENTLESS SILICONE	5	Gallon(GAL)	20-May-19
0001545039	-	WHITE SOLVENTLESS SILICONE	5	Gallon(GAL)	20-May-19
0001545047	-	WHITE SOLVENTLESS SILICONE	5	Gallon(GAL)	20-May-19
0001545040	-	WHITE SOLVENTLESS SILICONE	5	Gallon(GAL)	20-May-19
0001545041	-	WHITE SOLVENTLESS SILICONE	5	Gallon(GAL)	20-May-19
0001545042	-	WHITE SOLVENTLESS SILICONE	5	Gallon(GAL)	20-May-19
0001545043	-	WHITE SOLVENTLESS SILICONE	5	Gallon(GAL)	20-May-19
0001545044	-	WHITE SOLVENTLESS SILICONE	5	Gallon(GAL)	20-May-19
0001545045	-	WHITE SOLVENTLESS SILICONE	5	Gallon(GAL)	20-May-19
0001545046	-	WHITE SOLVENTLESS SILICONE	5	Gallon(GAL)	20-May-19
0001545057	-	WHITE SOLVENTLESS SILICONE	5	Gallon(GAL)	20-May-19
0001545058	-	WHITE SOLVENTLESS SILICONE	5	Gallon(GAL)	20-May-19
0001545048	-	WHITE SOLVENTLESS SILICONE	5	Gallon(GAL)	20-May-19
0001545059	-	WHITE SOLVENTLESS SILICONE	5	Gallon(GAL)	20-May-19
0001545056	-	WHITE SOLVENTLESS SILICONE	5	Gallon(GAL)	20-May-19
0001545055	-	WHITE SOLVENTLESS SILICONE	5	Gallon(GAL)	20-May-19
0001545054	-	WHITE SOLVENTLESS SILICONE	5	Gallon(GAL)	20-May-19
0001545053	-	WHITE SOLVENTLESS SILICONE	5	Gallon(GAL)	20-May-19
0001545052	-	WHITE SOLVENTLESS SILICONE	5	Gallon(GAL)	20-May-19
0001545051	-	WHITE SOLVENTLESS SILICONE	5	Gallon(GAL)	20-May-19
0001545050	-	WHITE SOLVENTLESS SILICONE	5	Gallon(GAL)	20-May-19
0001545049	-	WHITE SOLVENTLESS SILICONE	5	Gallon(GAL)	20-May-19
0001516649	64-17-5	ETHANOL 200 PROOF	20	Liters(L)	20-May-19
0001516654	64-17-5	ETHANOL 200 PROOF	20	Liters(L)	20-May-19
0001544925	-	KRYLON Industrial TOUGH COAT Acrylic Enamel	12	Ounces(OZ)	20-May-19
0001544926	-	KRYLON Industrial TOUGH COAT Acrylic Enamel	12	Ounces(OZ)	20-May-19
0001544981	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001545033	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001545028	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001544988	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001545027	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001545026	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001545029	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001545030	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001545032	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001545034	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001545031	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001544992	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001545002	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001545001	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001545000	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001544999	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001544998	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001544997	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001544996	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001544995	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001544990	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001544993	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001545005	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001544991	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001544989	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001544987	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001544986	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001544985	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001544984	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001544983	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001544982	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001544994	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001545014	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001545024	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001545023	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001545022	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001545021	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001545020	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001545019	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001545018	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001545017	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001545003	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001545015	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001545004	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001545013	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001545012	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001545011	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001545010	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001545009	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001545008	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001545007	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001545006	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001545025	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001545016	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001545035	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	20-May-19
0001545060	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545122	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545134	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545133	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545132	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545131	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545130	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545129	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545128	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545127	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545126	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545125	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545136	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545123	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545140	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545121	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545120	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545119	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545118	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545117	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545116	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545115	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545114	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545113	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545124	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545149	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545161	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545160	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545159	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545158	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545157	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545156	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545155	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545154	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545153	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545152	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545138	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545150	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545112	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545148	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545147	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545146	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545145	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001545144	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545143	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545142	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545141	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545135	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545139	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545151	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545072	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545085	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545084	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545083	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545082	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545081	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545080	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545079	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545078	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545077	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545076	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545075	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545086	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545073	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545064	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545071	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545070	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545069	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545068	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545067	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545066	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545065	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545111	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545063	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545137	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545061	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545074	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545108	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545110	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545062	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545109	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545107	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545106	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545105	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545104	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545103	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545102	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545101	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545100	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545099	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545091	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001545098	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545087	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545090	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545088	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545092	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545093	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545094	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545095	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545096	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545097	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545089	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545213	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545229	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545230	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545231	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545232	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545233	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545234	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545228	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545236	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545219	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545235	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545226	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545224	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545223	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545222	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545214	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545220	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545218	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545217	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545216	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545215	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545237	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545250	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545221	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545212	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545225	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545261	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545260	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545259	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545258	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545257	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545256	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545255	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545254	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545253	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545248	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545251	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001545238	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545249	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545247	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545246	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545245	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545244	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545243	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545242	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545241	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545240	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545239	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545252	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545173	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545185	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545184	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545183	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545182	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545181	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545180	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545179	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545178	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545177	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545176	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545186	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545174	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545164	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545172	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545171	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545170	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545169	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545168	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545167	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545166	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545165	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545163	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545211	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545227	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545175	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545201	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545209	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545210	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545207	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545206	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545205	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545204	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545187	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545202	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545208	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001545200	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545199	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545198	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545192	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545188	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545203	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545162	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545189	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545191	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545193	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545194	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545195	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545196	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545197	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545190	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545332	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545325	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545324	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545326	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545327	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545328	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545329	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545331	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545333	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545330	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545323	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545322	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545321	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545320	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545319	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545318	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545317	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545316	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545334	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545314	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545347	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545313	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545315	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545348	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545359	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545301	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545312	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545357	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545356	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545355	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545354	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545353	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545352	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001545351	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545345	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545349	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545335	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545346	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545358	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545344	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545343	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545342	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545341	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545340	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545339	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545338	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545337	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545336	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545350	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545272	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545283	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545282	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545281	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545280	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545279	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545278	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545277	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545276	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545275	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545284	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545273	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545269	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545271	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545270	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545311	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545268	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545303	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545266	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545265	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545264	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545263	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545262	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545274	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545307	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545267	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545285	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545310	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545308	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545306	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545305	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545304	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001545302	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545300	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545299	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545298	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545289	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545286	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545309	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545297	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545288	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545287	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545290	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545291	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545292	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545293	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545294	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545295	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545296	-	VULKEM 116 BUFF	10.1	Ounces(OZ)	20-May-19
0001545360	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545379	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545386	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545383	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545382	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545384	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545385	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545380	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545387	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545388	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545389	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545390	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545392	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545393	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545378	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545363	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545391	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545370	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545394	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545361	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545362	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545364	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545366	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545367	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545365	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545369	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545377	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545371	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545372	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545373	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545374	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001545375	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545376	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545368	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545435	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545428	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545444	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545443	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545441	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545439	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545438	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545446	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545436	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545447	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545434	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545433	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545432	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545431	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545430	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545429	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545437	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545454	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545395	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545461	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545460	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545459	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545458	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545457	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545445	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545455	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545440	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545453	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545452	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545451	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545450	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545449	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545448	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545456	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545403	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545410	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545409	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545408	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545407	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545406	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545381	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545411	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545404	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545401	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545402	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001545427	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545400	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545442	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545398	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545397	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545396	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545405	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545423	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545399	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545412	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545424	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545422	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545421	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545420	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545419	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545417	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545416	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545426	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545415	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545418	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545413	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545425	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545414	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545489	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545496	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545495	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545494	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545493	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545492	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545490	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545488	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545497	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545487	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545506	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545491	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545498	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545499	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545500	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545501	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545502	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545503	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545505	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545507	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545508	-	Finium DTM-AT S/G Acrylic W/B	1	Gallon(GAL)	20-May-19
0001545509	-	Finium DTM-AT S/G Acrylic W/B	1	Ounces(OZ)	20-May-19
0001545510	-	Finium DTM-AT S/G Acrylic W/B	1	Gallon(GAL)	20-May-19
0001545481	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545486	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001545504	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545467	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545485	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545483	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545462	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545463	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545464	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545466	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545468	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545469	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545470	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545471	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545472	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545479	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545474	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545475	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545476	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545477	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545482	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545478	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545480	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545465	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545484	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545473	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545593	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545594	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545591	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545590	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545592	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545595	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545596	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545597	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545601	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545599	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545600	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545589	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545577	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545598	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545581	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545635	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545574	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545575	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545576	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545615	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545578	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545579	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545580	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545588	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001545582	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545583	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545584	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545585	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545586	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545587	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545602	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545629	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545613	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545623	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545624	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545625	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545626	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545621	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545628	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545620	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545630	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545631	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545632	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545634	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545633	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545571	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545627	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545611	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545604	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545605	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545606	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545607	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545608	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545622	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545610	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545603	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545612	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545614	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545616	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545617	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545618	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545619	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545609	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545540	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545551	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545549	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545572	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545547	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545546	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545544	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545543	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545552	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001545541	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545550	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545539	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545538	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545537	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545545	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545536	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545573	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545535	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545542	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545559	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545570	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545569	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545568	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545567	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545566	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545565	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545564	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545563	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545562	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545548	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545560	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545553	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545558	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545557	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545556	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545555	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545554	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545561	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545640	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545639	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545641	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545648	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545647	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545646	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545654	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545658	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545650	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545651	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545652	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545653	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545666	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545655	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545656	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545657	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545665	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545659	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545660	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001545661	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545662	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545663	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545664	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545645	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545672	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545668	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545680	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545637	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545682	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545681	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545669	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545683	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545671	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545667	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545673	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545674	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545675	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545676	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545677	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545678	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545679	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545670	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545636	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545642	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545644	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545643	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545684	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545649	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001545638	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	20-May-19
0001616258	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Cubic Feet(CF)	20-May-19
0001616260	811-97-2	R-134A	125	Cubic Feet(CF)	20-May-19
0001616261	811-97-2	R-134A	125	Cubic Feet(CF)	20-May-19
0001616262	811-97-2	R-134A	125	Cubic Feet(CF)	20-May-19
0001616263	-	SULFUR DIOXIDE 10PPM/ BAL. AIR	1.3	Cubic Feet(CF)	20-May-19
0001616264	-	SULFUR DIOXIDE 10PPM/ BAL. AIR	1.3	Cubic Feet(CF)	20-May-19
0001616265	-	OXYGEN IN NITROGEN	1.2	Cubic Feet(CF)	20-May-19
0001616266	-	OXYGEN IN NITROGEN	1.2	Cubic Feet(CF)	20-May-19
0001616268	-	OXYGEN IN NITROGEN	1.2	Cubic Feet(CF)	20-May-19
0001616267	-	OXYGEN IN NITROGEN	1.2	Cubic Feet(CF)	20-May-19
0000978986	4800-94-6	CARBENICILLIN DISODIUM SALT	5	Gram(GM)	20-May-19
0000979004	5057-99-8	trans-Cyclopentane-1 2-diol	1	Gram(GM)	20-May-19
0000978993	5057-99-8	trans-Cyclopentane-1 2-diol	1	Gram(GM)	20-May-19
0000978994	100-21-0	TEREPHTHALIC ACID	5	Gram(GM)	20-May-19
0000978995	100-21-0	TEREPHTHALIC ACID	1	Gram(GM)	20-May-19
0000978992	830-03-5	4-NITROPHENYL ACETATE	25	Gram(GM)	20-May-19
0000978991	54-21-7	SALICYLIC ACID SODIUM SLAT (SODIUM	5	Gram(GM)	20-May-19
0000978990	68-94-0	HYPOXANTHINE	5	Gram(GM)	20-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0000978989	64-75-5	TETRACYCLINE HYDROCHLORIDE	100	Gram(GM)	20-May-19
0000978988	-	IPTG	10	Gram(GM)	20-May-19
0000979013	10049-21-5	SODIUM PHOSHATE MONOBASIC	500	Gram(GM)	20-May-19
0000979019	56-75-7	CHLORAMPHENICOL	100	Gram(GM)	20-May-19
0000979018	127-09-3	SODIUM ACETATE	250	Gram(GM)	20-May-19
0000979022	7447-40-7	POTASSIUM CHLORIDE	500	Gram(GM)	20-May-19
0000979017	7783-20-2	AMMONIUM SULFATE	500	Gram(GM)	20-May-19
0000979015	6108-17-4	LITHIUM ACETATE DIHYDRATE	1	Kilograms(KG)	20-May-19
0000979014	7782-85-6	SODIUM PHOSPHATE DIBASIC HEPTAHYDRATE	500	Gram(GM)	20-May-19
0000979010	-	A-LACTOSE MONOHYDRATE	1	Kilograms(KG)	20-May-19
0000979016	5328-37-0	L-(+)-ARABINOSE	100	Gram(GM)	20-May-19
0000979000	5328-37-0	L-(+)-ARABINOSE	100	Gram(GM)	20-May-19
0000979006	56-81-5	GLYCEROL	1	Liters(L)	20-May-19
0000979007	6381-92-6	ETHYLENEDIAMINETETRAACETIC ACID	500	Gram(GM)	20-May-19
0000979008	-	CALCIUM ACETATE HYDRATE	500	Gram(GM)	20-May-19
0000979009	-	D-(+)-RAFFINOSE PENTAHYDRATE	500	Gram(GM)	20-May-19
0000978998	532-32-1	SODIUM BENZOATE	500	Gram(GM)	20-May-19
0000978999	123-76-2	LEVULINIC ACID	50	Gram(GM)	20-May-19
0000979001	87-89-8	D-MYO-INOSITOL	25	Gram(GM)	20-May-19
0000979002	99-96-7	4-HYDROXYBENZOIC ACID	100	Gram(GM)	20-May-19
0000979003	-	ANTIFOAM A CONCENTRATE	100	Gram(GM)	20-May-19
0000978997	9036-19-5	TRITON (R) X-100 (NONIDET P-40)	100	Milliliter(ML)	20-May-19
0000978996	7365-45-9	HEPES BUFFER 1M SOLUTION	1	Liters(L)	20-May-19
0000979005	7365-45-9	HEPES BUFFER 1M SOLUTION	1	Liters(L)	20-May-19
0001637695	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637700	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637696	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637697	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637707	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637699	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637701	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637702	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637703	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637704	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637705	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637706	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637727	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637735	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637708	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637733	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637732	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637731	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637730	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637737	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637728	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637736	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637726	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637725	-	AERO KROIL	10	Ounces(OZ)	21-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001637721	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637722	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637723	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637724	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637698	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637729	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637742	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637709	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637710	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637711	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637712	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637713	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637734	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637715	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637738	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637716	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637717	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637718	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637719	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637720	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637741	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637740	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637739	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001637714	-	AERO KROIL	10	Ounces(OZ)	21-May-19
0001482677	-	SILICON RUBBER ALL PURPOSE	10.1	Ounces(OZ)	21-May-19
0001637671	-	WD-40	16	Ounces(OZ)	21-May-19
0001637672	-	WD-40	16	Ounces(OZ)	21-May-19
0001637673	-	WD-40	16	Ounces(OZ)	21-May-19
0001637676	-	WD-40	16	Ounces(OZ)	21-May-19
0001637692	-	WD-40	16	Ounces(OZ)	21-May-19
0001637674	-	WD-40	16	Ounces(OZ)	21-May-19
0001637693	-	WD-40	16	Ounces(OZ)	21-May-19
0001637675	-	WD-40	16	Ounces(OZ)	21-May-19
0001637691	-	WD-40	16	Ounces(OZ)	21-May-19
0001637690	-	WD-40	16	Ounces(OZ)	21-May-19
0001637689	-	WD-40	16	Ounces(OZ)	21-May-19
0001637688	-	WD-40	16	Ounces(OZ)	21-May-19
0001637687	-	WD-40	16	Ounces(OZ)	21-May-19
0001637686	-	WD-40	16	Ounces(OZ)	21-May-19
0001637685	-	WD-40	16	Ounces(OZ)	21-May-19
0001637678	-	WD-40	16	Ounces(OZ)	21-May-19
0001637694	-	WD-40	16	Ounces(OZ)	21-May-19
0001637684	-	WD-40	16	Ounces(OZ)	21-May-19
0001637677	-	WD-40	16	Ounces(OZ)	21-May-19
0001637679	-	WD-40	16	Ounces(OZ)	21-May-19
0001637680	-	WD-40	16	Ounces(OZ)	21-May-19
0001637681	-	WD-40	16	Ounces(OZ)	21-May-19
0001637682	-	WD-40	16	Ounces(OZ)	21-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001637683	-	WD-40	16	Ounces(OZ)	21-May-19
0001459154	-	Support SUP705	1	Pounds(LB)	21-May-19
0001459156	-	Support SUP705	1	Pounds(LB)	21-May-19
0001459155	-	Support SUP705	1	Pounds(LB)	21-May-19
0001595046	-	CHEVRON REGAL R&O ISO 32	5	Gallon(GAL)	21-May-19
0001595680	-	Novec 72DE Engineered Fluid	1	Gallon(GAL)	21-May-19
0001595694	-	Novec 72DE Engineered Fluid	1	Gallon(GAL)	21-May-19
0001595681	-	Novec 72DE Engineered Fluid	1	Gallon(GAL)	21-May-19
0001595688	-	Novec 72DE Engineered Fluid	1	Gallon(GAL)	21-May-19
0001595692	-	Novec 72DE Engineered Fluid	1	Gallon(GAL)	21-May-19
0001595691	-	Novec 72DE Engineered Fluid	1	Gallon(GAL)	21-May-19
0001595690	-	Novec 72DE Engineered Fluid	1	Gallon(GAL)	21-May-19
0001595689	-	Novec 72DE Engineered Fluid	1	Gallon(GAL)	21-May-19
0001595693	-	Novec 72DE Engineered Fluid	1	Gallon(GAL)	21-May-19
0001595687	-	Novec 72DE Engineered Fluid	1	Gallon(GAL)	21-May-19
0001595686	-	Novec 72DE Engineered Fluid	1	Gallon(GAL)	21-May-19
0001595685	-	Novec 72DE Engineered Fluid	1	Gallon(GAL)	21-May-19
0001595684	-	Novec 72DE Engineered Fluid	1	Gallon(GAL)	21-May-19
0001595682	-	Novec 72DE Engineered Fluid	1	Gallon(GAL)	21-May-19
0001595683	-	Novec 72DE Engineered Fluid	1	Gallon(GAL)	21-May-19
0001418663	-	LOCTITE THREADLOCKER	1.69	Ounces(OZ)	21-May-19
0001598066	3473-63-0	FORMAMIDINE ACETATE (FORMAMIDINE ACETIC	100	Gram(GM)	21-May-19
0001598067	77-09-8	PHENOLPHTHALEIN	500	Gram(GM)	21-May-19
0001598388	-	Novec 71IPA Engineered Fluid	1	Gallon(GAL)	21-May-19
0001598392	-	Novec 71IPA Engineered Fluid	1	Gallon(GAL)	21-May-19
0001598389	-	Novec 71IPA Engineered Fluid	1	Gallon(GAL)	21-May-19
0001598390	-	Novec 71IPA Engineered Fluid	1	Gallon(GAL)	21-May-19
0001598391	-	Novec 71IPA Engineered Fluid	1	Gallon(GAL)	21-May-19
0001598393	10043-52-4	CALCIUM CHLORIDE ANHYDROUS	250	Gram(GM)	21-May-19
0001598394	2530-85-0	A-174 SILANE	1	Liters(L)	21-May-19
0001598681	2627-86-3	(<I>S</>)-(-)-a-Methylbenzylamine	100	Gram(GM)	21-May-19
0001598682	3886-69-9	(R)-(+)-1-Phenylethylamine 98%	100	Gram(GM)	21-May-19
0001598683	618-36-0	(+/-)-ALPHA-METHYLBENZYLAMINE 99%	100	Milliliter(ML)	21-May-19
0001598684	1336-21-6	AMMONIUM HYDROXIDE 28-30%	100	Milliliter(ML)	21-May-19
0001598687	1336-21-6	AMMONIUM HYDROXIDE 28-30%	100	Milliliter(ML)	21-May-19
0001598686	1336-21-6	AMMONIUM HYDROXIDE 28-30%	100	Milliliter(ML)	21-May-19
0001598685	1336-21-6	AMMONIUM HYDROXIDE 28-30%	100	Milliliter(ML)	21-May-19
0001598689	1336-21-6	AMMONIUM HYDROXIDE 28-30%	100	Milliliter(ML)	21-May-19
0001598688	1336-21-6	AMMONIUM HYDROXIDE 28-30%	100	Milliliter(ML)	21-May-19
0001598747	108-88-3	TOLUENE	1	Liters(L)	21-May-19
0001598749	108-88-3	TOLUENE	1	Liters(L)	21-May-19
0001598748	108-88-3	TOLUENE	1	Liters(L)	21-May-19
0001598751	108-88-3	TOLUENE	1	Liters(L)	21-May-19
0001598750	108-88-3	TOLUENE	1	Liters(L)	21-May-19
0001598752	108-88-3	TOLUENE	1	Liters(L)	21-May-19
0001598760	35725-34-9	YTTERBIUM(III) NITRATE PENTAHYDRATE	5	Gram(GM)	21-May-19
0001598767	106-95-6	ALLYL BROMIDE	250	Milliliter(ML)	21-May-19
0001598771	69011-20-7	DOWEX 50W-X4 CATION EXCHANGE RESIN	100	Gram(GM)	21-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001598772	7632-00-0	SODIUM NITRITE	25	Gram(GM)	21-May-19
0001598773	1317-33-5	MOLYBDENUM (IV) SULFIDE	500	Gram(GM)	21-May-19
0001598774	10294-41-4	CERIUM(III) NITRATE HEXAHYDRATE	25	Gram(GM)	21-May-19
0001598775	5949-29-1	CITIC ACID MONOHYDRATE	25	Gram(GM)	21-May-19
0001598776	24937-16-4	NYLON 12 (POLYAURYLLACTAM)	250	Gram(GM)	21-May-19
0001598777	25135-51-7	POLYSULFONE RESIN	250	Gram(GM)	21-May-19
0001598778	9003-54-7	POLY(STYRENE-ACRYLONITRILE 75:25)	100	Gram(GM)	21-May-19
0001598779	-	Ammonia TNTplus Vial Test LR	12	Milligram(MG)	21-May-19
0001598786	-	Ammonia TNTplus Vial Test LR	12	Milligram(MG)	21-May-19
0001598780	-	Ammonia TNTplus Vial Test LR	12	Milligram(MG)	21-May-19
0001598782	-	Ammonia TNTplus Vial Test LR	12	Milligram(MG)	21-May-19
0001598783	-	Ammonia TNTplus Vial Test LR	12	Milligram(MG)	21-May-19
0001598784	-	Ammonia TNTplus Vial Test LR	12	Milligram(MG)	21-May-19
0001598785	-	Ammonia TNTplus Vial Test LR	12	Milligram(MG)	21-May-19
0001598781	-	Ammonia TNTplus Vial Test LR	12	Milligram(MG)	21-May-19
0001598787	-	NITROGEN NITRATE REAGENT	500	Milliliter(ML)	21-May-19
0001598788	-	NITROGEN NITRATE REAGENT	500	Milliliter(ML)	21-May-19
0001598789	-	STANDARD SOLUTION AMTAX	237	Milliliter(ML)	21-May-19
0001598790	-	STANDARD SOLUTION AMTAX	237	Milliliter(ML)	21-May-19
0001598791	-	NITRAVER-TEST-N-TUBE REAGENT HACH # 26053-	500	Milliliter(ML)	21-May-19
0001598796	-	NITRAVER-TEST-N-TUBE REAGENT HACH # 26053-	500	Milliliter(ML)	21-May-19
0001598792	-	NITRAVER-TEST-N-TUBE REAGENT HACH # 26053-	500	Milliliter(ML)	21-May-19
0001598793	-	NITRAVER-TEST-N-TUBE REAGENT HACH # 26053-	500	Milliliter(ML)	21-May-19
0001598794	-	NITRAVER-TEST-N-TUBE REAGENT HACH # 26053-	500	Milliliter(ML)	21-May-19
0001598795	-	NITRAVER-TEST-N-TUBE REAGENT HACH # 26053-	500	Milliliter(ML)	21-May-19
0001598797	-	NITROGEN AMMONIA STANDARD	500	Milliliter(ML)	21-May-19
0001598802	-	NITROGEN AMMONIA STANDARD	500	Milliliter(ML)	21-May-19
0001598801	-	NITROGEN AMMONIA STANDARD	500	Milliliter(ML)	21-May-19
0001598800	-	NITROGEN AMMONIA STANDARD	500	Milliliter(ML)	21-May-19
0001598799	-	NITROGEN AMMONIA STANDARD	500	Milliliter(ML)	21-May-19
0001598798	-	NITROGEN AMMONIA STANDARD	500	Milliliter(ML)	21-May-19
0001598803	7732-18-5	Total Chlorine Buffer Solution	473	Milliliter(ML)	21-May-19
0001598804	7732-18-5	Total Chlorine Buffer Solution	473	Milliliter(ML)	21-May-19
0001598805	-	OBJET VEROCLEAR RGD810	3.6	Kilograms(KG)	21-May-19
0001598806	-	OBJET VEROCLEAR RGD810	3.6	Kilograms(KG)	21-May-19
0001598807	7647-01-0	HYDROCHLORIC ACID 36-38%	500	Milliliter(ML)	21-May-19
0001598809	7647-01-0	HYDROCHLORIC ACID 36-38%	500	Milliliter(ML)	21-May-19
0001598808	7647-01-0	HYDROCHLORIC ACID 36-38%	500	Milliliter(ML)	21-May-19
0001598810	92-87-5	BENZIDINE	5	Gram(GM)	21-May-19
0001598811	-	OMEGABOND 600	8	Ounces(OZ)	21-May-19
0001598812	-	EPOXY FOR FIBER OPTIC	25	Gram(GM)	21-May-19
0001598813	-	EPOXY FOR FIBER OPTIC	25	Gram(GM)	21-May-19
0001598814	-	EPOXY FOR FIBER OPTIC	25	Gram(GM)	21-May-19
0001598815	-	EPOXY FOR FIBER OPTIC	25	Gram(GM)	21-May-19
0001598816	-	EPOXY FOR FIBER OPTIC	25	Gram(GM)	21-May-19
0001598817	-	EPOXY FOR FIBER OPTIC	25	Gram(GM)	21-May-19
0001598818	-	EPOXY FOR FIBER OPTIC	25	Gram(GM)	21-May-19
0001598819	-	EPOXY FOR FIBER OPTIC	25	Gram(GM)	21-May-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001598820	-	EPOXY FOR FIBER OPTIC	25	Gram(GM)	21-May-19
0001598821	-	EPOXY FOR FIBER OPTIC	25	Gram(GM)	21-May-19
0001545511	-	FIREFIGHTER GL48	5	Gallon(GAL)	21-May-19
0001545529	-	FIREFIGHTER GL48	5	Gallon(GAL)	21-May-19
0001545523	-	FIREFIGHTER GL48	5	Gallon(GAL)	21-May-19
0001545524	-	FIREFIGHTER GL48	5	Gallon(GAL)	21-May-19
0001545525	-	FIREFIGHTER GL48	5	Gallon(GAL)	21-May-19
0001545526	-	FIREFIGHTER GL48	5	Gallon(GAL)	21-May-19
0001545522	-	FIREFIGHTER GL48	5	Gallon(GAL)	21-May-19
0001545528	-	FIREFIGHTER GL48	5	Gallon(GAL)	21-May-19
0001545532	-	FIREFIGHTER GL48	5	Gallon(GAL)	21-May-19
0001545530	-	FIREFIGHTER GL48	5	Gallon(GAL)	21-May-19
0001545531	-	FIREFIGHTER GL48	5	Gallon(GAL)	21-May-19
0001545533	-	FIREFIGHTER GL48	5	Gallon(GAL)	21-May-19
0001545527	-	FIREFIGHTER GL48	5	Gallon(GAL)	21-May-19
0001545520	-	FIREFIGHTER GL48	5	Gallon(GAL)	21-May-19
0001545519	-	FIREFIGHTER GL48	5	Gallon(GAL)	21-May-19
0001545534	-	FIREFIGHTER GL48	5	Gallon(GAL)	21-May-19
0001545518	-	FIREFIGHTER GL48	5	Gallon(GAL)	21-May-19
0001545517	-	FIREFIGHTER GL48	5	Gallon(GAL)	21-May-19
0001545516	-	FIREFIGHTER GL48	5	Gallon(GAL)	21-May-19
0001545515	-	FIREFIGHTER GL48	5	Gallon(GAL)	21-May-19
0001545514	-	FIREFIGHTER GL48	5	Gallon(GAL)	21-May-19
0001545513	-	FIREFIGHTER GL48	5	Gallon(GAL)	21-May-19
0001545512	-	FIREFIGHTER GL48	5	Gallon(GAL)	21-May-19
0001545521	-	FIREFIGHTER GL48	5	Gallon(GAL)	21-May-19
0001598690	-	Method Daily Granite Cleaner	28	Ounces(OZ)	21-May-19
0001598691	-	Weiman Granite Cleaner & Polish	24	Ounces(OZ)	21-May-19
0001598692	-	VARIAN TORR SEAL	135	Gram(GM)	21-May-19
0001598693	67-68-5	CellEvent Caspase-3/7 Green Detection Reagent	25	Microliter	21-May-19
0001598694	-	TORR SEAL	135	Gram(GM)	21-May-19
0001598695	-	TORR SEAL	135	Gram(GM)	21-May-19
0001598696	1571-33-1	PHENYLPHOSPHONIC ACID	100	Gram(GM)	21-May-19
0001598697	7790-21-8	POTASSIUM PERIODATE	100	Gram(GM)	21-May-19
0001598698	125542-03-2	Chlorodimethyl(2 3 4 5-tetramethyl-2 4-	5	Gram(GM)	21-May-19
0001598699	125542-03-2	Chlorodimethyl(2 3 4 5-tetramethyl-2 4-	5	Gram(GM)	21-May-19
0001598700	791-28-6	TRIPHENYLPHOSPHINE OXIDE	500	Gram(GM)	21-May-19
0001598701	78-50-2	TRIOCTYLPHOSPHINE OXIDE	500	Gram(GM)	21-May-19
0001598702	919-30-2	3-AMINOPROPYLTRIETHOXYSILANE	100	Milliliter(ML)	21-May-19
0001598703	7560-83-0	N N-Dicyclohexylmethylamine	250	Gram(GM)	21-May-19
0001598707	67-63-0	ISOPROPYL ALCOHOL	5	Gallon(GAL)	21-May-19
0001598708	67-63-0	ISOPROPYL ALCOHOL	5	Gallon(GAL)	21-May-19
0001598709	67-63-0	ISOPROPYL ALCOHOL	5	Gallon(GAL)	21-May-19
0001598738	16883-45-7	TETRAMETHYLAMMONIUM BOROHYDRIDE	1	Kilograms(KG)	21-May-19
0001598742	16883-45-7	TETRAMETHYLAMMONIUM BOROHYDRIDE	1	Kilograms(KG)	21-May-19
0001598743	16883-45-7	TETRAMETHYLAMMONIUM BOROHYDRIDE	1	Kilograms(KG)	21-May-19
0001598741	16883-45-7	TETRAMETHYLAMMONIUM BOROHYDRIDE	1	Kilograms(KG)	21-May-19
0001598740	16883-45-7	TETRAMETHYLAMMONIUM BOROHYDRIDE	1	Kilograms(KG)	21-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001598739	16883-45-7	TETRAMETHYLAMMONIUM BOROHYDRIDE	1	Kilograms(KG)	21-May-19
0001598744	16883-45-7	TETRAMETHYLAMMONIUM BOROHYDRIDE	1	Kilograms(KG)	21-May-19
V000003111	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	21-May-19
V000003109	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	21-May-19
V000003108	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	21-May-19
V00000310A	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	21-May-19
V000003107	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	21-May-19
V00000310B	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	21-May-19
V00000310C	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	21-May-19
V000003106	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	21-May-19
V000003105	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	21-May-19
V00000310D	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	21-May-19
V00000310E	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	21-May-19
V00000311C	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	21-May-19
V000003119	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	21-May-19
V000003118	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	21-May-19
V000003117	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	21-May-19
V000003116	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	21-May-19
V000003115	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	21-May-19
V000003114	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	21-May-19
V00000310F	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	21-May-19
V00000311B	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	21-May-19
V000003110	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	21-May-19
V00000311D	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	21-May-19
V00000311E	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	21-May-19
V00000311F	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	21-May-19
V000003120	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	21-May-19
V000003121	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	21-May-19
V000003104	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	21-May-19
V00000311A	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	21-May-19
V000003113	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	21-May-19
V000003112	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	21-May-19
V0000030FD	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	21-May-19
V000003103	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	21-May-19
V0000030FE	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	21-May-19
V0000030FF	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	21-May-19
V000003102	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	21-May-19
V000003100	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	21-May-19
V000003101	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	21-May-19
0001598822	110-54-3	HEXANES MIXTURE	4	Liters(L)	21-May-19
0001598823	110-54-3	HEXANES MIXTURE	4	Liters(L)	21-May-19
0001598825	110-54-3	HEXANES MIXTURE	4	Liters(L)	21-May-19
0001598824	110-54-3	HEXANES MIXTURE	4	Liters(L)	21-May-19
0001598826	141-78-6	ETHYL ACETATE	4	Liters(L)	21-May-19
0001598829	141-78-6	ETHYL ACETATE	4	Liters(L)	21-May-19
0001598828	141-78-6	ETHYL ACETATE	4	Liters(L)	21-May-19
0001598827	141-78-6	ETHYL ACETATE	4	Liters(L)	21-May-19
0001598830	-	S-316 EXTRACTION SOLVENT	1.5	Kilograms(KG)	21-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001598831	-	S-316 EXTRACTION SOLVENT	1.5	Kilograms(KG)	21-May-19
0001598833	-	495 Super Bonder	1	Ounces(OZ)	21-May-19
0001598835	-	495 Super Bonder	1	Ounces(OZ)	21-May-19
0001598837	-	495 Super Bonder	1	Ounces(OZ)	21-May-19
0001598838	-	495 Super Bonder	1	Ounces(OZ)	21-May-19
0001598839	-	495 Super Bonder	1	Ounces(OZ)	21-May-19
0001598840	-	495 Super Bonder	1	Ounces(OZ)	21-May-19
0001598841	-	495 Super Bonder	1	Ounces(OZ)	21-May-19
0001598842	-	495 Super Bonder	1	Ounces(OZ)	21-May-19
0001598836	-	495 Super Bonder	1	Ounces(OZ)	21-May-19
0001598834	-	495 Super Bonder	1	Ounces(OZ)	21-May-19
0001598843	824-72-6	Phenylphosphonic dichloride	25	Gram(GM)	21-May-19
0001598844	-	CUSTOM ASSURANCE STANDARD	100	Milliliter(ML)	21-May-19
0001598863	67-64-1	ACETONE	200	Liters(L)	21-May-19
0001598864	67-64-1	ACETONE	200	Liters(L)	21-May-19
0001386737	-	LOCTITE	0.85	Ounces(OZ)	21-May-19
0001386738	-	LOCTITE	0.85	Ounces(OZ)	21-May-19
0001386740	-	LOCTITE	0.85	Ounces(OZ)	21-May-19
0001386739	-	LOCTITE	0.85	Ounces(OZ)	21-May-19
V000003125	-	Purus DEF	2.5	Gallon(GAL)	22-May-19
V000003126	-	Purus DEF	2.5	Gallon(GAL)	22-May-19
V000003128	-	Purus DEF	2.5	Gallon(GAL)	22-May-19
V000003127	-	Purus DEF	2.5	Gallon(GAL)	22-May-19
0001573846	Multi	The Right Stuff	7.5	Ounces(OZ)	22-May-19
0001573847	Multi	The Right Stuff	7.5	Ounces(OZ)	22-May-19
0001545686	-	Finium DTM-AT S/G Acrylic W/B	1	Gallon(GAL)	22-May-19
0001545688	-	Finium DTM-AT S/G Acrylic W/B	1	Gallon(GAL)	22-May-19
0001545687	-	Finium DTM-AT S/G Acrylic W/B	1	Gallon(GAL)	22-May-19
V000003129	-	Avalon Premium 100% Acrylic Interior Satin W/B	1	Gallon(GAL)	22-May-19
V00000312D	-	Avalon Premium 100% Acrylic Interior Satin W/B	1	Gallon(GAL)	22-May-19
V00000312C	-	Avalon Premium 100% Acrylic Interior Satin W/B	1	Gallon(GAL)	22-May-19
V00000312B	-	Avalon Premium 100% Acrylic Interior Satin W/B	1	Gallon(GAL)	22-May-19
V00000312A	-	Avalon Premium 100% Acrylic Interior Satin W/B	1	Gallon(GAL)	22-May-19
V000003136	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	22-May-19
V000003137	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	22-May-19
V000003131	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	22-May-19
V00000312E	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	22-May-19
V000003130	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	22-May-19
V000003132	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	22-May-19
V000003133	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	22-May-19
V000003134	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	22-May-19
V000003135	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	22-May-19
V00000312F	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	22-May-19
V000003139	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	22-May-19
V000003138	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	22-May-19
V00000313A	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	22-May-19
V00000313C	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	22-May-19
V00000313B	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	22-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V00000313F	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	22-May-19
V00000313E	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	22-May-19
V00000313D	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	22-May-19
V000003143	-	SHEETROCK LIGHTWEIGHT ALL PURPOSE JOINT	5	Gallon(GAL)	22-May-19
V000003142	-	SHEETROCK LIGHTWEIGHT ALL PURPOSE JOINT	5	Gallon(GAL)	22-May-19
V000003140	-	SHEETROCK LIGHTWEIGHT ALL PURPOSE JOINT	5	Gallon(GAL)	22-May-19
V000003141	-	SHEETROCK LIGHTWEIGHT ALL PURPOSE JOINT	5	Gallon(GAL)	22-May-19
0001545689	-	SHEETROCK Brand PLUS 3 Lightweight All	5	Gallon(GAL)	22-May-19
V00000314C	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V00000318A	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V00000318B	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003188	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003187	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003186	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003185	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003184	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003182	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003181	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003180	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V00000317F	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V00000317E	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V00000317D	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V00000317C	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003183	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003166	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V00000315D	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V00000315E	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V00000315F	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003160	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003161	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003176	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003175	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003162	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003163	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003174	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003173	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V00000317B	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003165	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V00000315A	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003167	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003168	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003169	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V00000316A	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V00000316B	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V00000316C	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V00000316D	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V00000316E	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V00000316F	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V000003170	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003171	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003172	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003164	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003154	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003145	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003146	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003147	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003148	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003149	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V00000314A	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V00000314B	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V00000314D	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V00000314E	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V00000314F	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003150	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003151	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V00000315C	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003153	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V00000315B	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003155	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003189	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V00000317A	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003179	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003178	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003177	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003156	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003157	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003158	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003159	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003144	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
V000003152	811-97-2	CRC CONTACT CLEANER	13	Ounces(OZ)	22-May-19
0001545690	-	Mule-Hide Helix - Part A and Part B	1.5	Liters(L)	22-May-19
V000003194	-	PSX 700 pearl gray resin	1	Gallon(GAL)	22-May-19
V000003198	-	PSX 700 pearl gray resin	1	Gallon(GAL)	22-May-19
V000003192	-	PSX 700 pearl gray resin	1	Gallon(GAL)	22-May-19
V00000319B	-	PSX 700 pearl gray resin	1	Gallon(GAL)	22-May-19
V00000318C	-	PSX 700 pearl gray resin	1	Gallon(GAL)	22-May-19
V000003199	-	PSX 700 pearl gray resin	1	Gallon(GAL)	22-May-19
V000003197	-	PSX 700 pearl gray resin	1	Gallon(GAL)	22-May-19
V000003196	-	PSX 700 pearl gray resin	1	Gallon(GAL)	22-May-19
V000003195	-	PSX 700 pearl gray resin	1	Gallon(GAL)	22-May-19
V000003193	-	PSX 700 pearl gray resin	1	Gallon(GAL)	22-May-19
V000003191	-	PSX 700 pearl gray resin	1	Gallon(GAL)	22-May-19
V000003190	-	PSX 700 pearl gray resin	1	Gallon(GAL)	22-May-19
V00000318F	-	PSX 700 pearl gray resin	1	Gallon(GAL)	22-May-19
V00000318E	-	PSX 700 pearl gray resin	1	Gallon(GAL)	22-May-19
V00000318D	-	PSX 700 pearl gray resin	1	Gallon(GAL)	22-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V00000319A	-	PSX 700 pearl gray resin	1	Gallon(GAL)	22-May-19
V0000031BF	811-97-2	CRC CONTACT CLEANER #02016	14	Ounces(OZ)	22-May-19
V0000031B0	811-97-2	CRC CONTACT CLEANER #02016	14	Ounces(OZ)	22-May-19
V0000031B1	811-97-2	CRC CONTACT CLEANER #02016	14	Ounces(OZ)	22-May-19
V0000031B2	811-97-2	CRC CONTACT CLEANER #02016	14	Ounces(OZ)	22-May-19
V0000031B3	811-97-2	CRC CONTACT CLEANER #02016	14	Ounces(OZ)	22-May-19
V0000031B4	811-97-2	CRC CONTACT CLEANER #02016	14	Ounces(OZ)	22-May-19
V0000031B5	811-97-2	CRC CONTACT CLEANER #02016	14	Ounces(OZ)	22-May-19
V0000031B7	811-97-2	CRC CONTACT CLEANER #02016	14	Ounces(OZ)	22-May-19
V0000031B9	811-97-2	CRC CONTACT CLEANER #02016	14	Ounces(OZ)	22-May-19
V0000031BA	811-97-2	CRC CONTACT CLEANER #02016	14	Ounces(OZ)	22-May-19
V0000031BB	811-97-2	CRC CONTACT CLEANER #02016	14	Ounces(OZ)	22-May-19
V0000031BC	811-97-2	CRC CONTACT CLEANER #02016	14	Ounces(OZ)	22-May-19
V0000031AF	811-97-2	CRC CONTACT CLEANER #02016	14	Ounces(OZ)	22-May-19
V0000031BE	811-97-2	CRC CONTACT CLEANER #02016	14	Ounces(OZ)	22-May-19
V0000031A7	811-97-2	CRC CONTACT CLEANER #02016	14	Ounces(OZ)	22-May-19
V0000031BD	811-97-2	CRC CONTACT CLEANER #02016	14	Ounces(OZ)	22-May-19
V0000031A6	811-97-2	CRC CONTACT CLEANER #02016	14	Ounces(OZ)	22-May-19
V00000319D	811-97-2	CRC CONTACT CLEANER #02016	14	Ounces(OZ)	22-May-19
V00000319E	811-97-2	CRC CONTACT CLEANER #02016	14	Ounces(OZ)	22-May-19
V00000319F	811-97-2	CRC CONTACT CLEANER #02016	14	Ounces(OZ)	22-May-19
V0000031A0	811-97-2	CRC CONTACT CLEANER #02016	14	Ounces(OZ)	22-May-19
V0000031A1	811-97-2	CRC CONTACT CLEANER #02016	14	Ounces(OZ)	22-May-19
V0000031A2	811-97-2	CRC CONTACT CLEANER #02016	14	Ounces(OZ)	22-May-19
V0000031A3	811-97-2	CRC CONTACT CLEANER #02016	14	Ounces(OZ)	22-May-19
V0000031A9	811-97-2	CRC CONTACT CLEANER #02016	14	Ounces(OZ)	22-May-19
V0000031A5	811-97-2	CRC CONTACT CLEANER #02016	14	Ounces(OZ)	22-May-19
V0000031AE	811-97-2	CRC CONTACT CLEANER #02016	14	Ounces(OZ)	22-May-19
V0000031B8	811-97-2	CRC CONTACT CLEANER #02016	14	Ounces(OZ)	22-May-19
V0000031A8	811-97-2	CRC CONTACT CLEANER #02016	14	Ounces(OZ)	22-May-19
V00000319C	811-97-2	CRC CONTACT CLEANER #02016	14	Ounces(OZ)	22-May-19
V0000031AA	811-97-2	CRC CONTACT CLEANER #02016	14	Ounces(OZ)	22-May-19
V0000031AB	811-97-2	CRC CONTACT CLEANER #02016	14	Ounces(OZ)	22-May-19
V0000031AC	811-97-2	CRC CONTACT CLEANER #02016	14	Ounces(OZ)	22-May-19
V0000031AD	811-97-2	CRC CONTACT CLEANER #02016	14	Ounces(OZ)	22-May-19
V0000031A4	811-97-2	CRC CONTACT CLEANER #02016	14	Ounces(OZ)	22-May-19
V0000031B6	811-97-2	CRC CONTACT CLEANER #02016	14	Ounces(OZ)	22-May-19
0001455732	-	RTV Sealant	4.7	Ounces(OZ)	22-May-19
0001455327	-	Great Stuff Gaps & Cracks Polyurethane Foam	16	Ounces(OZ)	22-May-19
0001455322	-	P-4 REGULAR BODIED PVC CEMENT	4	Ounces(OZ)	22-May-19
V0000031C0	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	22-May-19
V0000031C1	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	22-May-19
V0000031C2	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	22-May-19
V0000031C3	-	FANTASTIK ALL PURPOSE CLEANER	1	Gallon(GAL)	22-May-19
0001598577	9007-43-6	CYTOCHROME C	100	Milligram(MG)	22-May-19
0001545691	-	PSX 700 CURE	0.2	Gallon(GAL)	22-May-19
0001545692	-	PSX 700 CURE	0.2	Gallon(GAL)	22-May-19
0001545696	-	PSX 700 CURE	0.2	Gallon(GAL)	22-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001545693	-	PSX 700 CURE	0.2	Gallon(GAL)	22-May-19
0001545694	-	PSX 700 CURE	0.2	Gallon(GAL)	22-May-19
0001545695	-	PSX 700 CURE	0.2	Gallon(GAL)	22-May-19
0001545697	-	PSX 700 CURE	0.2	Gallon(GAL)	22-May-19
0001545698	-	PSX 700 CURE	0.2	Gallon(GAL)	22-May-19
0001545699	-	PSX 700 CURE	0.2	Gallon(GAL)	22-May-19
0001545700	-	PSX 700 CURE	0.2	Gallon(GAL)	22-May-19
0001545701	-	PSX 700 CURE	0.2	Gallon(GAL)	22-May-19
0001545702	-	PSX 700 CURE	0.2	Gallon(GAL)	22-May-19
0001545703	-	PSX 700 CURE	0.2	Gallon(GAL)	22-May-19
0001545705	-	PSX 700 CURE	0.2	Gallon(GAL)	22-May-19
0001545704	-	PSX 700 CURE	0.2	Gallon(GAL)	22-May-19
0001545727	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	22-May-19
0001545728	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	22-May-19
0001545729	-	VULKEM 116 WHITE	10.1	Ounces(OZ)	22-May-19
0001598578	9007-43-6	CYTOCHROME C	100	Milligram(MG)	22-May-19
0001598579	75-12-7	Hi-Di Formamide	25	Milliliter(ML)	22-May-19
0001598580	14235-81-5	4-Ethynylaniline	5	Gram(GM)	22-May-19
0001598715	100-51-6	BENZYL ALCOHOL	100	Milliliter(ML)	22-May-19
0001598716	141556-42-5	1 3-Bis(2 4 6-trimethylphenyl)-1 3-dihydro-2H-	250	Milligram(MG)	22-May-19
0001598717	-	ETHYL ALCOHOL DENATURED	4	Liters(L)	22-May-19
0001598718	-	TRIS GLYCINE SDS 10X BUFFER SOLUTION	1	Liters(L)	22-May-19
0001598745	67-63-0	2-PROPANOL	4	Liters(L)	22-May-19
0001598746	67-64-1	ACETONE	20	Liters(L)	22-May-19
0001598845	409-21-2	SILICON CARBIDE POWDER	500	Gram(GM)	22-May-19
0001598846	12007-60-2	LITHIUM TETRABORATE	1	Kilograms(KG)	22-May-19
0001598847	12007-60-2	LITHIUM TETRABORATE	1	Kilograms(KG)	22-May-19
0001598848	-	LIQUINOX	1	Gallon(GAL)	22-May-19
0001598851	-	LIQUINOX	1	Gallon(GAL)	22-May-19
0001598849	-	LIQUINOX	1	Gallon(GAL)	22-May-19
0001598850	-	LIQUINOX	1	Gallon(GAL)	22-May-19
0001598852	-	HARDMAN EXTRA-FAST SETTING EPOXY KIT	4	Ounces(OZ)	22-May-19
0001598853	-	HARDMAN EXTRA-FAST SETTING EPOXY KIT	4	Ounces(OZ)	22-May-19
0001598935	-	DULBECCO'S PHOSPHATE BUFFERED SALINE	500	Milliliter(ML)	22-May-19
0001598937	-	DULBECCO'S PHOSPHATE BUFFERED SALINE	500	Milliliter(ML)	22-May-19
0001598942	-	DULBECCO'S PHOSPHATE BUFFERED SALINE	500	Milliliter(ML)	22-May-19
0001598943	-	DULBECCO'S PHOSPHATE BUFFERED SALINE	500	Milliliter(ML)	22-May-19
0001598944	-	DULBECCO'S PHOSPHATE BUFFERED SALINE	500	Milliliter(ML)	22-May-19
0001598940	-	DULBECCO'S PHOSPHATE BUFFERED SALINE	500	Milliliter(ML)	22-May-19
0001598939	-	DULBECCO'S PHOSPHATE BUFFERED SALINE	500	Milliliter(ML)	22-May-19
0001598936	-	DULBECCO'S PHOSPHATE BUFFERED SALINE	500	Milliliter(ML)	22-May-19
0001598938	-	DULBECCO'S PHOSPHATE BUFFERED SALINE	500	Milliliter(ML)	22-May-19
0001598941	-	DULBECCO'S PHOSPHATE BUFFERED SALINE	500	Milliliter(ML)	22-May-19
0001598951	7782-40-3	Diamond Powder	2	Kilograms(KG)	22-May-19
0001598958	7782-40-3	Diamond Powder	2	Kilograms(KG)	22-May-19
0001598956	7782-40-3	Diamond Powder	2	Kilograms(KG)	22-May-19
0001598954	7782-40-3	Diamond Powder	2	Kilograms(KG)	22-May-19
0001598957	7782-40-3	Diamond Powder	2	Kilograms(KG)	22-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001598960	7782-40-3	Diamond Powder	2	Kilograms(KG)	22-May-19
0001598952	7782-40-3	Diamond Powder	2	Kilograms(KG)	22-May-19
0001598959	7782-40-3	Diamond Powder	2	Kilograms(KG)	22-May-19
0001598953	7782-40-3	Diamond Powder	2	Kilograms(KG)	22-May-19
0001598955	7782-40-3	Diamond Powder	2	Kilograms(KG)	22-May-19
0001291902	-	MICROBLAZE	5	Gallon(GAL)	23-May-19
0001291903	-	MICROBLAZE	5	Gallon(GAL)	23-May-19
0001291901	-	MICROBLAZE	5	Gallon(GAL)	23-May-19
0001291910	-	MICROBLAZE	5	Gallon(GAL)	23-May-19
0001291900	-	MICROBLAZE	5	Gallon(GAL)	23-May-19
0001616269	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	23-May-19
0001616278	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	23-May-19
0001616291	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	23-May-19
0001616290	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	23-May-19
0001616289	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	23-May-19
0001616288	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	23-May-19
0001616287	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	23-May-19
0001616286	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	23-May-19
0001616285	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	23-May-19
0001616284	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	23-May-19
0001616283	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	23-May-19
0001616292	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	23-May-19
0001616280	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	23-May-19
0001616281	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	23-May-19
0001616277	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	23-May-19
0001616276	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	23-May-19
0001616275	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	23-May-19
0001616274	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	23-May-19
0001616273	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	23-May-19
0001616272	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	23-May-19
0001616271	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	23-May-19
0001616270	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	23-May-19
0001616282	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	23-May-19
0001616279	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	23-May-19
0001616293	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	220	Cubic Feet(CF)	23-May-19
0001616294	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	220	Cubic Feet(CF)	23-May-19
0001616295	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	220	Cubic Feet(CF)	23-May-19
0001616296	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	220	Cubic Feet(CF)	23-May-19
0001616349	74-82-8	METHANE	220	Cubic Feet(CF)	23-May-19
0001616352	74-82-8	METHANE	220	Cubic Feet(CF)	23-May-19
0001616351	74-82-8	METHANE	220	Cubic Feet(CF)	23-May-19
0001616350	74-82-8	METHANE	220	Cubic Feet(CF)	23-May-19
0001616353	-	Argon UHP	220	Cubic Feet(CF)	23-May-19
0001616354	-	Argon UHP	220	Cubic Feet(CF)	23-May-19
0001616356	-	Argon UHP	220	Cubic Feet(CF)	23-May-19
0001616366	-	Argon UHP	220	Cubic Feet(CF)	23-May-19
0001616355	-	Argon UHP	220	Cubic Feet(CF)	23-May-19
0001616359	-	Argon UHP	220	Cubic Feet(CF)	23-May-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001616357	-	Argon UHP	220	Cubic Feet(CF)	23-May-19
0001616360	-	Argon UHP	220	Cubic Feet(CF)	23-May-19
0001616365	-	Argon UHP	220	Cubic Feet(CF)	23-May-19
0001616364	-	Argon UHP	220	Cubic Feet(CF)	23-May-19
0001616363	-	Argon UHP	220	Cubic Feet(CF)	23-May-19
0001616362	-	Argon UHP	220	Cubic Feet(CF)	23-May-19
0001616361	-	Argon UHP	220	Cubic Feet(CF)	23-May-19
0001616367	-	Argon UHP	220	Cubic Feet(CF)	23-May-19
0001616358	-	Argon UHP	220	Cubic Feet(CF)	23-May-19
0001616368	-	AIR COMPRESSED	220	Cubic Feet(CF)	23-May-19
0001616370	-	AIR COMPRESSED	220	Cubic Feet(CF)	23-May-19
0001616377	-	AIR COMPRESSED	220	Cubic Feet(CF)	23-May-19
0001616371	-	AIR COMPRESSED	220	Cubic Feet(CF)	23-May-19
0001616373	-	AIR COMPRESSED	220	Cubic Feet(CF)	23-May-19
0001616380	-	AIR COMPRESSED	220	Cubic Feet(CF)	23-May-19
0001616376	-	AIR COMPRESSED	220	Cubic Feet(CF)	23-May-19
0001616375	-	AIR COMPRESSED	220	Cubic Feet(CF)	23-May-19
0001616379	-	AIR COMPRESSED	220	Cubic Feet(CF)	23-May-19
0001616378	-	AIR COMPRESSED	220	Cubic Feet(CF)	23-May-19
0001616372	-	AIR COMPRESSED	220	Cubic Feet(CF)	23-May-19
0001616374	-	AIR COMPRESSED	220	Cubic Feet(CF)	23-May-19
0001616369	-	AIR COMPRESSED	220	Cubic Feet(CF)	23-May-19
0001616297	-	Nitrogen UHP	220	Cubic Feet(CF)	23-May-19
0001616305	-	Nitrogen UHP	220	Cubic Feet(CF)	23-May-19
0001616310	-	Nitrogen UHP	220	Cubic Feet(CF)	23-May-19
0001616311	-	Nitrogen UHP	220	Cubic Feet(CF)	23-May-19
0001616312	-	Nitrogen UHP	220	Cubic Feet(CF)	23-May-19
0001616313	-	Nitrogen UHP	220	Cubic Feet(CF)	23-May-19
0001616308	-	Nitrogen UHP	220	Cubic Feet(CF)	23-May-19
0001616314	-	Nitrogen UHP	220	Cubic Feet(CF)	23-May-19
0001616307	-	Nitrogen UHP	220	Cubic Feet(CF)	23-May-19
0001616309	-	Nitrogen UHP	220	Cubic Feet(CF)	23-May-19
0001616300	-	Nitrogen UHP	220	Cubic Feet(CF)	23-May-19
0001616318	-	Nitrogen UHP	220	Cubic Feet(CF)	23-May-19
0001616319	-	Nitrogen UHP	220	Cubic Feet(CF)	23-May-19
0001616320	-	Nitrogen UHP	220	Cubic Feet(CF)	23-May-19
0001616321	-	Nitrogen UHP	220	Cubic Feet(CF)	23-May-19
0001616322	-	Nitrogen UHP	220	Cubic Feet(CF)	23-May-19
0001616316	-	Nitrogen UHP	220	Cubic Feet(CF)	23-May-19
0001616315	-	Nitrogen UHP	220	Cubic Feet(CF)	23-May-19
0001616299	-	Nitrogen UHP	220	Cubic Feet(CF)	23-May-19
0001616306	-	Nitrogen UHP	220	Cubic Feet(CF)	23-May-19
0001616301	-	Nitrogen UHP	220	Cubic Feet(CF)	23-May-19
0001616302	-	Nitrogen UHP	220	Cubic Feet(CF)	23-May-19
0001616303	-	Nitrogen UHP	220	Cubic Feet(CF)	23-May-19
0001616304	-	Nitrogen UHP	220	Cubic Feet(CF)	23-May-19
0001616317	-	Nitrogen UHP	220	Cubic Feet(CF)	23-May-19
0001616298	-	Nitrogen UHP	220	Cubic Feet(CF)	23-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001459157	68650-48-6	POLYAMIDE RESIN	1	Pint(PT)	23-May-19
0001459158	68650-48-6	POLYAMIDE RESIN	1	Pint(PT)	23-May-19
0001459159	68650-48-6	POLYAMIDE RESIN	1	Pint(PT)	23-May-19
0001459160	68650-48-6	POLYAMIDE RESIN	1	Pint(PT)	23-May-19
0001459161	68650-48-6	POLYAMIDE RESIN	1	Pint(PT)	23-May-19
0001459162	68650-48-6	POLYAMIDE RESIN	1	Pint(PT)	23-May-19
0001616334	74-98-6	PROPANE	50	Pounds(LB)	23-May-19
0001616340	74-98-6	PROPANE	50	Pounds(LB)	23-May-19
0001616345	74-98-6	PROPANE	50	Pounds(LB)	23-May-19
0001616338	74-98-6	PROPANE	50	Pounds(LB)	23-May-19
0001616337	74-98-6	PROPANE	50	Pounds(LB)	23-May-19
0001616336	74-98-6	PROPANE	50	Pounds(LB)	23-May-19
0001616335	74-98-6	PROPANE	50	Pounds(LB)	23-May-19
0001616344	74-98-6	PROPANE	50	Pounds(LB)	23-May-19
0001616343	74-98-6	PROPANE	50	Pounds(LB)	23-May-19
0001616341	74-98-6	PROPANE	50	Pounds(LB)	23-May-19
0001616339	74-98-6	PROPANE	50	Pounds(LB)	23-May-19
0001616342	74-98-6	PROPANE	50	Pounds(LB)	23-May-19
0001616346	74-98-6	PROPANE	25	Gallon(GAL)	23-May-19
0001616347	1333-74-0	HYDROGEN	220	Cubic Feet(CF)	23-May-19
0001616348	1333-74-0	HYDROGEN	220	Cubic Feet(CF)	23-May-19
0001616323	7440-59-7	Helium UHP	220	Cubic Feet(CF)	23-May-19
0001616330	7440-59-7	Helium UHP	220	Cubic Feet(CF)	23-May-19
0001616333	7440-59-7	Helium UHP	220	Cubic Feet(CF)	23-May-19
0001616331	7440-59-7	Helium UHP	220	Cubic Feet(CF)	23-May-19
0001616329	7440-59-7	Helium UHP	220	Cubic Feet(CF)	23-May-19
0001616328	7440-59-7	Helium UHP	220	Cubic Feet(CF)	23-May-19
0001616327	7440-59-7	Helium UHP	220	Cubic Feet(CF)	23-May-19
0001616326	7440-59-7	Helium UHP	220	Cubic Feet(CF)	23-May-19
0001616325	7440-59-7	Helium UHP	220	Cubic Feet(CF)	23-May-19
0001616324	7440-59-7	Helium UHP	220	Cubic Feet(CF)	23-May-19
0001616332	7440-59-7	Helium UHP	220	Cubic Feet(CF)	23-May-19
0001598396	-	GALLIUM STANDARD SOLUTION	125	Milliliter(ML)	23-May-19
0001598397	-	GALLIUM STANDARD SOLUTION	125	Milliliter(ML)	23-May-19
0001598398	-	GALLIUM STANDARD	125	Milliliter(ML)	23-May-19
0001598399	-	GALLIUM STANDARD	125	Milliliter(ML)	23-May-19
0001598961	382150-50-7	1-Hexyl-3-methylimidazolium	500	Gram(GM)	23-May-19
0001598962	382150-50-7	1-Hexyl-3-methylimidazolium	500	Gram(GM)	23-May-19
0001598963	106-44-5	P-CRESOL	500	Gram(GM)	23-May-19
0001598965	7647-14-5	SODIUM CHLORIDE CRYSTAL	1	Kilograms(KG)	23-May-19
0001598966	7447-40-7	POTASSIUM CHLORIDE CRYSTAL	500	Gram(GM)	23-May-19
0001598967	10034-99-8	MAGNESIUM SULFATE HEPTAHYDRATE	500	Gram(GM)	23-May-19
0001598968	7664-38-2	PHOSPHORIC ACID 85%	500	Milliliter(ML)	23-May-19
0001598969	60-29-7	ETHYL ETHER	4	Liters(L)	23-May-19
0001574311	-	MAGNAFLUX SPOTCHECK SKC-S	10.5	Ounces(OZ)	23-May-19
0001574314	-	MAGNAFLUX SPOTCHECK SKC-S	10.5	Ounces(OZ)	23-May-19
0001574312	-	MAGNAFLUX SPOTCHECK SKC-S	10.5	Ounces(OZ)	23-May-19
0001574313	-	MAGNAFLUX SPOTCHECK SKC-S	10.5	Ounces(OZ)	23-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001574315	-	SPOTCHECK SKL-SP2 - aerosol	10.5	Ounces(OZ)	23-May-19
0001574316	-	SPOTCHECK SKL-SP2 - aerosol	10.5	Ounces(OZ)	23-May-19
0001574317	-	SKD-S2 Aerosol	11.6	Ounces(OZ)	23-May-19
0001574318	-	SKD-S2 Aerosol	11.6	Ounces(OZ)	23-May-19
0001598854	631-61-8	AMMONIUM ACETATE	500	Gram(GM)	23-May-19
0001598855	1310-73-2	SODIUM HYDROXIDE	1	Liters(L)	23-May-19
0001598856	67-68-5	DIMETHYL SULFOXIDE	10	Gram(GM)	23-May-19
0001598857	67-68-5	DIMETHYL SULFOXIDE	10	Gram(GM)	23-May-19
0001598858	-	NORLAND OPTICAL ADHESIVE 68	1	Ounces(OZ)	23-May-19
0001598859	-	NORLAND OPTICAL ADHESIVE 68	1	Ounces(OZ)	23-May-19
0001598860	-	NORLAND OPTICAL ADHESIVE 68	1	Ounces(OZ)	23-May-19
0001598861	1310-73-2	SODIUM HYDROXIDE	1	Liters(L)	23-May-19
0001598862	-	THREADLOCKER BLUE	0.34	Ounces(OZ)	23-May-19
0001598970	67-56-1	GELCODE BLUE STAIN REAGENT 500ML	500	Milliliter(ML)	23-May-19
0001598971	-	BLACK GOLD VACUUM PUMP OIL	1	Gallon(GAL)	23-May-19
0001598972	1310-73-2	SODIUM HYDROXIDE	2.5	Kilograms(KG)	23-May-19
0001598973	75-09-2	METHYLENE CHLORIDE	1	Liters(L)	23-May-19
0001598978	75-09-2	METHYLENE CHLORIDE	1	Liters(L)	23-May-19
0001598977	75-09-2	METHYLENE CHLORIDE	1	Liters(L)	23-May-19
0001598975	75-09-2	METHYLENE CHLORIDE	1	Liters(L)	23-May-19
0001598976	75-09-2	METHYLENE CHLORIDE	1	Liters(L)	23-May-19
0001598974	75-09-2	METHYLENE CHLORIDE	1	Liters(L)	23-May-19
0001598979	-	Pierce HeLa Protein Digest Standard	20	MicroGram(UG	23-May-19
0001598980	22884-10-2	Imidazol-1-yl-acetic acid	5	Gram(GM)	23-May-19
0001598989	108-88-3	TOLUENE	4	Liters(L)	23-May-19
0001598990	108-88-3	TOLUENE	4	Liters(L)	23-May-19
0001598992	108-88-3	TOLUENE	4	Liters(L)	23-May-19
0001598991	108-88-3	TOLUENE	4	Liters(L)	23-May-19
0001598993	9002-07-7	TRYPSIN	100	MicroGram(UG	23-May-19
0001598994	-	Pierce Peptide Retention Time Calibration	200	Microliter	23-May-19
0001598995	7697-37-2	NITRIC ACID	2.5	Liters(L)	23-May-19
0001598999	7697-37-2	NITRIC ACID	2.5	Liters(L)	23-May-19
0001599000	7697-37-2	NITRIC ACID	2.5	Liters(L)	23-May-19
0001599001	7697-37-2	NITRIC ACID	2.5	Liters(L)	23-May-19
0001599002	7697-37-2	NITRIC ACID	2.5	Liters(L)	23-May-19
0001599003	7697-37-2	NITRIC ACID	2.5	Liters(L)	23-May-19
0001599004	7697-37-2	NITRIC ACID	2.5	Liters(L)	23-May-19
0001599005	7697-37-2	NITRIC ACID	2.5	Liters(L)	23-May-19
0001598998	7697-37-2	NITRIC ACID	2.5	Liters(L)	23-May-19
0001598996	7697-37-2	NITRIC ACID	2.5	Liters(L)	23-May-19
0001599006	7697-37-2	NITRIC ACID	2.5	Liters(L)	23-May-19
0001598997	7697-37-2	NITRIC ACID	2.5	Liters(L)	23-May-19
0001599007	-	Tap Magic EP-Xtra Cutting Fluid	4	Ounces(OZ)	23-May-19
0001599008	75-09-2	METHYLENE CHLORIDE	4	Liters(L)	23-May-19
0001599011	75-09-2	METHYLENE CHLORIDE	4	Liters(L)	23-May-19
0001599010	75-09-2	METHYLENE CHLORIDE	4	Liters(L)	23-May-19
0001599009	75-09-2	METHYLENE CHLORIDE	4	Liters(L)	23-May-19
0001599016	137-05-3	PERMABOND 910 ADHESIVE	1	Ounces(OZ)	23-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001269880	-	CONATHANE® EN-4 Part A Urethane Prepolymer	1	Gallon(GAL)	23-May-19
0001269881	-	CONATHANE® EN-4 Part A Urethane Prepolymer	1	Gallon(GAL)	23-May-19
0001269882	-	CONATHANE EN-7 PART B CURATIVE	1	Quarts(QT)	23-May-19
0001269883	-	CONATHANE EN-7 PART B CURATIVE	1	Quarts(QT)	23-May-19
0001573848	-	ATF+4 AUTOMATIC TRANSMISSION FLUID	1	Quarts(QT)	24-May-19
0001573850	-	ATF+4 AUTOMATIC TRANSMISSION FLUID	1	Quarts(QT)	24-May-19
0001573849	-	ATF+4 AUTOMATIC TRANSMISSION FLUID	1	Quarts(QT)	24-May-19
0001573852	-	ATF+4 AUTOMATIC TRANSMISSION FLUID	1	Quarts(QT)	24-May-19
0001573851	-	ATF+4 AUTOMATIC TRANSMISSION FLUID	1	Quarts(QT)	24-May-19
0001598400	52093-26-2	LANTHANUM(III)TRIFLUOROMETHANESULFONAT	5	Gram(GM)	28-May-19
0001598982	429-41-4	TETRABUTYLAMMONIUM FLUORIDE	50	Milliliter(ML)	28-May-19
0001598987	619-58-9	4-IODOBENZOIC ACID	25	Gram(GM)	28-May-19
0001598988	1074-24-4	1 4-Dibromo-2 5-dimethylbenzene	100	Gram(GM)	28-May-19
0001599012	109-99-9	TETRAHYDROFURAN HPLC GRADE	4	Liters(L)	28-May-19
0001599013	109-99-9	TETRAHYDROFURAN HPLC GRADE	4	Liters(L)	28-May-19
0001599017	7440-69-9	BISMUTH	500	Gram(GM)	28-May-19
0001599018	7440-69-9	BISMUTH	500	Gram(GM)	28-May-19
0001599019	7440-33-7	TUNGSTEN POWDER	100	Gram(GM)	28-May-19
0001599020	7440-33-7	TUNGSTEN POWDER	100	Gram(GM)	28-May-19
0001599021	10450-60-9	PERIODIC ACID (HYDRATED)	100	Gram(GM)	28-May-19
0001599022	67-64-1	ACETONE REAGENT ACS	1	Liters(L)	28-May-19
0001599023	67-64-1	ACETONE REAGENT ACS	1	Liters(L)	28-May-19
0001599024	13450-90-3	GALLIUM(III) CHLORIDE	5	Gram(GM)	28-May-19
0001599025	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	28-May-19
0001599026	64-17-5	ETHANOL 200 PROOF	1	Pint(PT)	28-May-19
0001599027	-	TAE BUFFER 10X	1	Liters(L)	28-May-19
0001599028	-	TAE BUFFER 10X	1	Liters(L)	28-May-19
0001599079	-	ETHANOL 200 PROOF	4	Liters(L)	28-May-19
0001599080	-	ETHANOL 200 PROOF	4	Liters(L)	28-May-19
0001599082	-	ETHANOL 200 PROOF	4	Liters(L)	28-May-19
0001599081	-	ETHANOL 200 PROOF	4	Liters(L)	28-May-19
0001599083	92112-69-1	Hexanes for HPLC	4	Liters(L)	28-May-19
0001599087	92112-69-1	Hexanes for HPLC	4	Liters(L)	28-May-19
0001599086	92112-69-1	Hexanes for HPLC	4	Liters(L)	28-May-19
0001599085	92112-69-1	Hexanes for HPLC	4	Liters(L)	28-May-19
0001599084	92112-69-1	Hexanes for HPLC	4	Liters(L)	28-May-19
0001599089	92112-69-1	Hexanes for HPLC	4	Liters(L)	28-May-19
0001599090	92112-69-1	Hexanes for HPLC	4	Liters(L)	28-May-19
0001599088	92112-69-1	Hexanes for HPLC	4	Liters(L)	28-May-19
0001599091	110-54-3	HEXANE HPLC	4	Liters(L)	28-May-19
0001599092	110-54-3	HEXANE HPLC	4	Liters(L)	28-May-19
0001599098	110-54-3	HEXANE HPLC	4	Liters(L)	28-May-19
0001599097	110-54-3	HEXANE HPLC	4	Liters(L)	28-May-19
0001599096	110-54-3	HEXANE HPLC	4	Liters(L)	28-May-19
0001599095	110-54-3	HEXANE HPLC	4	Liters(L)	28-May-19
0001599093	110-54-3	HEXANE HPLC	4	Liters(L)	28-May-19
0001599094	110-54-3	HEXANE HPLC	4	Liters(L)	28-May-19
0001599099	67-64-1	ACETONE	200	Liters(L)	28-May-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001599100	1806-34-4	1 4 BIS (5-PHENYLOXAZOL-2-YL) BENZENE	5	Gram(GM)	28-May-19
0001599101	162881-26-7	Phenylbis(2 4 6-trimethylbenzoyl)phosphine	10	Gram(GM)	28-May-19
0001599102	1493-27-2	1-FLUORO-2-NITROBENZENE 99%	250	Gram(GM)	28-May-19
0001599103	95-47-6	O-XYLENE	1	Liters(L)	28-May-19
0001599104	19004-19-4	COPPER(III) NITRATE HEMIPENTAHYDRATE	50	Gram(GM)	28-May-19
0001599105	12069-32-8	Boron Carbide Powder	100	Gram(GM)	28-May-19
0001599106	12069-32-8	Boron Carbide Powder	100	Gram(GM)	28-May-19
0001599109	12069-32-8	Boron Carbide Powder	100	Gram(GM)	28-May-19
0001599107	12069-32-8	Boron Carbide Powder	100	Gram(GM)	28-May-19
0001599108	12069-32-8	Boron Carbide Powder	100	Gram(GM)	28-May-19
0001599110	631-61-8	AMMONIUM ACETATE	50	Gram(GM)	28-May-19
0001599111	7758-05-6	POTASSIUM IODATE	100	Gram(GM)	28-May-19
0001599112	-	HYDRANAL COULOMAT CG	50	Milliliter(ML)	28-May-19
0001599113	1206711-16-1	DMH-1 Tocris Bioscience	10	Milligram(MG)	28-May-19
0001599029	-	TORR SEAL	135	Gram(GM)	28-May-19
0001599031	-	TORR SEAL	135	Gram(GM)	28-May-19
0001599032	-	TORR SEAL	135	Gram(GM)	28-May-19
0001599030	-	TORR SEAL	135	Gram(GM)	28-May-19
V0000031CB	-	PURUS DEF (Diesel Exhaust Fluid ISO 22241)	2.5	Gallon(GAL)	28-May-19
V0000031CA	-	PURUS DEF (Diesel Exhaust Fluid ISO 22241)	2.5	Gallon(GAL)	28-May-19
V0000031C9	-	PURUS DEF (Diesel Exhaust Fluid ISO 22241)	2.5	Gallon(GAL)	28-May-19
V0000031C8	-	PURUS DEF (Diesel Exhaust Fluid ISO 22241)	2.5	Gallon(GAL)	28-May-19
V0000031C7	-	PURUS DEF (Diesel Exhaust Fluid ISO 22241)	2.5	Gallon(GAL)	28-May-19
V0000031C5	-	PURUS DEF (Diesel Exhaust Fluid ISO 22241)	2.5	Gallon(GAL)	28-May-19
V0000031C6	-	PURUS DEF (Diesel Exhaust Fluid ISO 22241)	2.5	Gallon(GAL)	28-May-19
0001599034	-	ELCHROM PRE-FILTER MATERIAL	200	Gram(GM)	28-May-19
0001599037	-	ELCHROM PRE-FILTER MATERIAL	200	Gram(GM)	28-May-19
0001599043	-	ELCHROM PRE-FILTER MATERIAL	200	Gram(GM)	28-May-19
0001599035	-	ELCHROM PRE-FILTER MATERIAL	200	Gram(GM)	28-May-19
0001599036	-	ELCHROM PRE-FILTER MATERIAL	200	Gram(GM)	28-May-19
0001599039	-	ELCHROM PRE-FILTER MATERIAL	200	Gram(GM)	28-May-19
0001599040	-	ELCHROM PRE-FILTER MATERIAL	200	Gram(GM)	28-May-19
0001599042	-	ELCHROM PRE-FILTER MATERIAL	200	Gram(GM)	28-May-19
0001599038	-	ELCHROM PRE-FILTER MATERIAL	200	Gram(GM)	28-May-19
0001599041	-	ELCHROM PRE-FILTER MATERIAL	200	Gram(GM)	28-May-19
0001599044	7440-54-2	GADOLINIUM	25	Gram(GM)	28-May-19
0001599045	7440-54-2	GADOLINIUM	25	Gram(GM)	28-May-19
0001599046	7440-54-2	GADOLINIUM	25	Gram(GM)	28-May-19
0001599047	7440-54-2	GADOLINIUM	25	Gram(GM)	28-May-19
0001599048	13450-90-3	GALLIUM(III) CHLORIDE	5	Gram(GM)	28-May-19
0001599049	7447-40-7	POTASSIUM CHLORIDE	500	Gram(GM)	28-May-19
0001599050	-	SPARKLEEN 2	1.5	Kilograms(KG)	28-May-19
0001599055	-	SPARKLEEN 2	1.5	Kilograms(KG)	28-May-19
0001599056	-	SPARKLEEN 2	1.5	Kilograms(KG)	28-May-19
0001599057	-	SPARKLEEN 2	1.5	Kilograms(KG)	28-May-19
0001599058	-	SPARKLEEN 2	1.5	Kilograms(KG)	28-May-19
0001599059	-	SPARKLEEN 2	1.5	Kilograms(KG)	28-May-19
0001599060	-	SPARKLEEN 2	1.5	Kilograms(KG)	28-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001599052	-	SPARKLEEN 2	1.5	Kilograms(KG)	28-May-19
0001599061	-	SPARKLEEN 2	1.5	Kilograms(KG)	28-May-19
0001599053	-	SPARKLEEN 2	1.5	Kilograms(KG)	28-May-19
0001599051	-	SPARKLEEN 2	1.5	Kilograms(KG)	28-May-19
0001599054	-	SPARKLEEN 2	1.5	Kilograms(KG)	28-May-19
0001599114	1313-84-4	SODIUM SULFIDE NONAHYDRATE	10	Gram(GM)	28-May-19
0001616259	811-97-2	R-134A	30	Pounds(LB)	28-May-19
0001599115	-	HYDROGEN PEROXIDE 35%	4	Liters(L)	28-May-19
0001599116	10043-52-4	CALCIUM CHLORIDE	10	Gram(GM)	28-May-19
0001599117	7722-84-1	SODIUM HYDROXIDE 30% SOLUTION	500	Milliliter(ML)	28-May-19
0001599122	-	TEVA RESIN	2	Milliliter(ML)	29-May-19
0001599124	-	TEVA RESIN	2	Milliliter(ML)	29-May-19
0001599123	-	TEVA RESIN	2	Milliliter(ML)	29-May-19
0001599125	-	TRU RESIN	2	Milliliter(ML)	29-May-19
0001599127	-	TRU RESIN	2	Milliliter(ML)	29-May-19
0001599126	-	TRU RESIN	2	Milliliter(ML)	29-May-19
0001599128	64-19-7	ACETIC ACID GLACIAL	500	Milliliter(ML)	29-May-19
0001599129	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	29-May-19
0001599134	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	29-May-19
0001599130	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	29-May-19
0001599131	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	29-May-19
0001599132	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	29-May-19
0001599133	1336-21-6	AMMONIUM HYDROXIDE	500	Milliliter(ML)	29-May-19
0001599145	54-42-2	5-IODO-2'-DEOXYURIDINE (IDU)	1	Kilograms(KG)	29-May-19
0001599146	54-42-2	5-IODO-2'-DEOXYURIDINE (IDU)	1	Kilograms(KG)	29-May-19
0001599147	54-42-2	5-IODO-2'-DEOXYURIDINE (IDU)	1	Kilograms(KG)	29-May-19
0001599148	54-42-2	5-IODO-2'-DEOXYURIDINE (IDU)	1	Kilograms(KG)	29-May-19
0001599149	54-42-2	5-IODO-2'-DEOXYURIDINE (IDU)	1	Kilograms(KG)	29-May-19
0001146661	1310-73-2	CAUSTIC SODA SOLUTION (50%)	2500	Gallon(GAL)	29-May-19
0001418664	-	AZ-93	0.3	Ounces(OZ)	30-May-19
0001418665	-	AZ-93	0.3	Ounces(OZ)	30-May-19
0001599118	12656-85-8	Stock Red Colorant	1	Pounds(LB)	30-May-19
0001599119	-	YELLOW COLORANT	1	Pounds(LB)	30-May-19
0001599120	-	Blue Colorant Syr	1	Pounds(LB)	30-May-19
0001599121	1333-86-4	Black Colorant	1	Pounds(LB)	30-May-19
0001423775	-	MULTI-PURPOSE SEALANT	12.3	Ounces(OZ)	30-May-19
0001423777	-	MULTI-PURPOSE SEALANT	12.3	Ounces(OZ)	30-May-19
0001423776	-	MULTI-PURPOSE SEALANT	12.3	Ounces(OZ)	30-May-19
0001423786	-	MULTI-PURPOSE SEALANT	12.3	Ounces(OZ)	30-May-19
0001423780	-	MULTI-PURPOSE SEALANT	12.3	Ounces(OZ)	30-May-19
0001423781	-	MULTI-PURPOSE SEALANT	12.3	Ounces(OZ)	30-May-19
0001423782	-	MULTI-PURPOSE SEALANT	12.3	Ounces(OZ)	30-May-19
0001423783	-	MULTI-PURPOSE SEALANT	12.3	Ounces(OZ)	30-May-19
0001423784	-	MULTI-PURPOSE SEALANT	12.3	Ounces(OZ)	30-May-19
0001423785	-	MULTI-PURPOSE SEALANT	12.3	Ounces(OZ)	30-May-19
0001423195	-	BLACK GOLD VACUUM PUMP OIL	1	Gallon(GAL)	30-May-19
0001423197	-	BLACK GOLD VACUUM PUMP OIL	1	Gallon(GAL)	30-May-19
0001423199	-	BLACK GOLD VACUUM PUMP OIL	1	Gallon(GAL)	30-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001423196	-	BLACK GOLD VACUUM PUMP OIL	1	Gallon(GAL)	30-May-19
0001423198	-	BLACK GOLD VACUUM PUMP OIL	1	Gallon(GAL)	30-May-19
0001423200	-	INSTANT ADHESIVE	0.7	Ounces(OZ)	30-May-19
0001423201	-	INSTANT ADHESIVE	0.7	Ounces(OZ)	30-May-19
0001423202	-	INSTANT ADHESIVE	0.7	Ounces(OZ)	30-May-19
0001423203	-	INSTANT ADHESIVE	0.7	Ounces(OZ)	30-May-19
0001423204	-	INSTANT ADHESIVE	0.7	Ounces(OZ)	30-May-19
0001616382	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616393	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616390	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616385	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616399	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616398	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616397	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616396	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616395	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616401	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616392	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616402	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616389	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616388	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616387	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616386	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616383	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616384	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616394	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616409	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616391	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616400	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616410	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616408	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616407	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616406	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616405	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616404	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616403	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616411	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616412	-	AIR COMPRESSED	220	Cubic Feet(CF)	30-May-19
0001616413	-	AIR COMPRESSED	220	Cubic Feet(CF)	30-May-19
0001616415	-	AIR COMPRESSED	220	Cubic Feet(CF)	30-May-19
0001616416	-	AIR COMPRESSED	220	Cubic Feet(CF)	30-May-19
0001616417	-	AIR COMPRESSED	220	Cubic Feet(CF)	30-May-19
0001616418	-	AIR COMPRESSED	220	Cubic Feet(CF)	30-May-19
0001616414	-	AIR COMPRESSED	220	Cubic Feet(CF)	30-May-19
0001598581	-	HOCUT 795 B	5	Gallon(GAL)	30-May-19
0001598587	-	HOCUT 795 B	5	Gallon(GAL)	30-May-19
0001598590	-	HOCUT 795 B	5	Gallon(GAL)	30-May-19
0001598588	-	HOCUT 795 B	5	Gallon(GAL)	30-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001598586	-	HOCUT 795 B	5	Gallon(GAL)	30-May-19
0001598585	-	HOCUT 795 B	5	Gallon(GAL)	30-May-19
0001598584	-	HOCUT 795 B	5	Gallon(GAL)	30-May-19
0001598583	-	HOCUT 795 B	5	Gallon(GAL)	30-May-19
0001598582	-	HOCUT 795 B	5	Gallon(GAL)	30-May-19
0001598589	-	HOCUT 795 B	5	Gallon(GAL)	30-May-19
0001616381	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001598591	-	Hocut Sym-C	5	Gallon(GAL)	30-May-19
0001598596	-	Hocut Sym-C	5	Gallon(GAL)	30-May-19
0001598592	-	Hocut Sym-C	5	Gallon(GAL)	30-May-19
0001598593	-	Hocut Sym-C	5	Gallon(GAL)	30-May-19
0001598600	-	Hocut Sym-C	5	Gallon(GAL)	30-May-19
0001598595	-	Hocut Sym-C	5	Gallon(GAL)	30-May-19
0001598597	-	Hocut Sym-C	5	Gallon(GAL)	30-May-19
0001598598	-	Hocut Sym-C	5	Gallon(GAL)	30-May-19
0001598599	-	Hocut Sym-C	5	Gallon(GAL)	30-May-19
0001598594	-	Hocut Sym-C	5	Gallon(GAL)	30-May-19
0001599062	10043-52-4	CALCIUM CHLORIDE ANHYDROUS	50	Gram(GM)	30-May-19
0001599063	18656-38-7	1 2-DIMYRISTOYL-RAC-GLYCERO-3-	100	Milligram(MG)	30-May-19
0001599064	2644-64-6	1 2-Dipalmitoyl-rac-glycero-3-phosphocholine	100	Milligram(MG)	30-May-19
0001599065	26853-31-6	PALMITOYL-2-OLEOYL PHOSPHATIDYLCHOLINE	10	Milligram(MG)	30-May-19
0001599066	206986-87-0	SODIUM CHOLATE HYDRATE	25	Gram(GM)	30-May-19
0001599067	67-66-3	CHLOROFORM	1	Liters(L)	30-May-19
0001599071	6381-92-6	ETHYLENEDIAMINETETRAACETIC ACID	100	Gram(GM)	30-May-19
0001599072	77-86-1	TRIS BASE	500	Gram(GM)	30-May-19
0001599074	19524-06-2	4-BROMOPYRIDINE HYDROCHLORIDE	5	Gram(GM)	30-May-19
0001599075	161265-03-8	4 5-Bis(diphenylphosphino)-9 9-	1	Gram(GM)	30-May-19
0001599076	32005-36-0	BIS(DIBENZYLIDENE ACETONE) PALLADIUM (0)	2	Gram(GM)	30-May-19
0001599077	258278-25-0	1 3-Bis-(2 6-diisopropylphenyl)imidazolinium	1	Gram(GM)	30-May-19
0001616419	-	R-22	30	Pounds(LB)	30-May-19
0001599078	139143-09-2	1 3-DI-I-PROPYLIMIDAZOLIUM CHLORIDE	1	Gram(GM)	30-May-19
0001616420	-	R-22	30	Pounds(LB)	30-May-19
0001616424	-	R-22	30	Pounds(LB)	30-May-19
0001616423	-	R-22	30	Pounds(LB)	30-May-19
0001616421	-	R-22	30	Pounds(LB)	30-May-19
0001616422	-	R-22	30	Pounds(LB)	30-May-19
0001599150	616-52-4	PINACOLYL METHYLPHOSPHONATE	1	Gram(GM)	30-May-19
0001599151	26780-50-7	Resomer RG 653 H Poly(D L-lactide-co-glycolide)	5	Gram(GM)	30-May-19
0001599152	26780-50-7	Resomer RG 653 H Poly(D L-lactide-co-glycolide)	5	Gram(GM)	30-May-19
0001599153	71-23-8	1-PROPANOL	1	Liters(L)	30-May-19
0001599154	50-99-7	DEXTROSE ANHYDROUS	500	Gram(GM)	30-May-19
0001599156	77128-70-2	Fmoc-Sar-OH (Fmoc-MeGly-OH)	25	Gram(GM)	30-May-19
0001599157	-	2-Chlorotrityl chloride resin (100-200 mesh)	25	Gram(GM)	30-May-19
0001599158	-	MICRO BCA* (PROTEIN ASSAY REAGENT KIT)	500	Milliliter(ML)	30-May-19
0001599159	18497-13-7	CHLOROPLATINIC ACID HEXAHYDRATE	1	Gram(GM)	30-May-19
0001599160	26062-79-3	POLY(DIALYLL DIMETHYL AMMONIUM	1	Liters(L)	30-May-19
0001599223	112-88-9	1-OCTADECENE	1	Liters(L)	30-May-19
0001599226	112-88-9	1-OCTADECENE	1	Liters(L)	30-May-19

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001599225	112-88-9	1-OCTADECENE	1	Liters(L)	30-May-19
0001599224	112-88-9	1-OCTADECENE	1	Liters(L)	30-May-19
0001599227	7040-58-6	Dipinacolyl methylphosphonate	500	Milligram(MG)	30-May-19
0001599229	128-08-5	N-BROMOSUCCINIMIDE	100	Gram(GM)	30-May-19
0001146662	7732-18-5	Hydrochloric Acid 30-31%	3000	Pounds(LB)	30-May-19
0001146717	7732-18-5	Hydrochloric Acid 30-31%	3000	Pounds(LB)	30-May-19
0001616425	-	AIR COMPRESSED	150	Cubic Feet(CF)	30-May-19
0001616426	-	Argon UHP	220	Cubic Feet(CF)	30-May-19
0001616446	-	Argon UHP	220	Cubic Feet(CF)	30-May-19
0001616429	-	Argon UHP	220	Cubic Feet(CF)	30-May-19
0001616452	-	Argon UHP	220	Cubic Feet(CF)	30-May-19
0001616451	-	Argon UHP	220	Cubic Feet(CF)	30-May-19
0001616450	-	Argon UHP	220	Cubic Feet(CF)	30-May-19
0001616449	-	Argon UHP	220	Cubic Feet(CF)	30-May-19
0001616448	-	Argon UHP	220	Cubic Feet(CF)	30-May-19
0001616447	-	Argon UHP	220	Cubic Feet(CF)	30-May-19
0001616432	-	Argon UHP	220	Cubic Feet(CF)	30-May-19
0001616427	-	Argon UHP	220	Cubic Feet(CF)	30-May-19
0001616431	-	Argon UHP	220	Cubic Feet(CF)	30-May-19
0001616430	-	Argon UHP	220	Cubic Feet(CF)	30-May-19
0001616445	-	Argon UHP	220	Cubic Feet(CF)	30-May-19
0001616433	-	Argon UHP	220	Cubic Feet(CF)	30-May-19
0001616434	-	Argon UHP	220	Cubic Feet(CF)	30-May-19
0001616435	-	Argon UHP	220	Cubic Feet(CF)	30-May-19
0001616436	-	Argon UHP	220	Cubic Feet(CF)	30-May-19
0001616437	-	Argon UHP	220	Cubic Feet(CF)	30-May-19
0001616442	-	Argon UHP	220	Cubic Feet(CF)	30-May-19
0001616428	-	Argon UHP	220	Cubic Feet(CF)	30-May-19
0001616443	-	Argon UHP	220	Cubic Feet(CF)	30-May-19
0001616441	-	Argon UHP	220	Cubic Feet(CF)	30-May-19
0001616440	-	Argon UHP	220	Cubic Feet(CF)	30-May-19
0001616439	-	Argon UHP	220	Cubic Feet(CF)	30-May-19
0001616438	-	Argon UHP	220	Cubic Feet(CF)	30-May-19
0001616444	-	Argon UHP	220	Cubic Feet(CF)	30-May-19
0001616453	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	30-May-19
0001616454	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	30-May-19
0001616455	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	30-May-19
0001616456	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616494	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616488	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616483	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616484	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616485	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616486	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616487	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616489	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616471	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616490	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001616482	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616491	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616493	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616495	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616492	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616468	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616459	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616458	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616473	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616457	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616481	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616461	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616462	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616465	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616463	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616460	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616467	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616466	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616469	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616470	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616472	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616474	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616475	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616476	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616477	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616478	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616479	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616480	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616464	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616496	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	30-May-19
0001616498	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	30-May-19
0001616497	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	30-May-19
0001616499	-	AIR COMPRESSED	220	Cubic Feet(CF)	30-May-19
0001616505	-	AIR COMPRESSED	220	Cubic Feet(CF)	30-May-19
0001616501	-	AIR COMPRESSED	220	Cubic Feet(CF)	30-May-19
0001616507	-	AIR COMPRESSED	220	Cubic Feet(CF)	30-May-19
0001616500	-	AIR COMPRESSED	220	Cubic Feet(CF)	30-May-19
0001616502	-	AIR COMPRESSED	220	Cubic Feet(CF)	30-May-19
0001616503	-	AIR COMPRESSED	220	Cubic Feet(CF)	30-May-19
0001616504	-	AIR COMPRESSED	220	Cubic Feet(CF)	30-May-19
0001616506	-	AIR COMPRESSED	220	Cubic Feet(CF)	30-May-19
0001616508	-	AIR COMPRESSED	220	Cubic Feet(CF)	30-May-19
0001616509	-	AIR COMPRESSED	220	Cubic Feet(CF)	30-May-19
0001616510	-	Nitrogen UHP	220	Cubic Feet(CF)	30-May-19
0001616517	-	Nitrogen UHP	220	Cubic Feet(CF)	30-May-19
0001616531	-	Nitrogen UHP	220	Cubic Feet(CF)	30-May-19
0001616538	-	Nitrogen UHP	220	Cubic Feet(CF)	30-May-19
0001616537	-	Nitrogen UHP	220	Cubic Feet(CF)	30-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001616536	-	Nitrogen UHP	220	Cubic Feet(CF)	30-May-19
0001616535	-	Nitrogen UHP	220	Cubic Feet(CF)	30-May-19
0001616534	-	Nitrogen UHP	220	Cubic Feet(CF)	30-May-19
0001616533	-	Nitrogen UHP	220	Cubic Feet(CF)	30-May-19
0001616532	-	Nitrogen UHP	220	Cubic Feet(CF)	30-May-19
0001616539	-	Nitrogen UHP	220	Cubic Feet(CF)	30-May-19
0001616520	-	Nitrogen UHP	220	Cubic Feet(CF)	30-May-19
0001616511	-	Nitrogen UHP	220	Cubic Feet(CF)	30-May-19
0001616512	-	Nitrogen UHP	220	Cubic Feet(CF)	30-May-19
0001616513	-	Nitrogen UHP	220	Cubic Feet(CF)	30-May-19
0001616514	-	Nitrogen UHP	220	Cubic Feet(CF)	30-May-19
0001616515	-	Nitrogen UHP	220	Cubic Feet(CF)	30-May-19
0001616516	-	Nitrogen UHP	220	Cubic Feet(CF)	30-May-19
0001616519	-	Nitrogen UHP	220	Cubic Feet(CF)	30-May-19
0001616518	-	Nitrogen UHP	220	Cubic Feet(CF)	30-May-19
0001616530	-	Nitrogen UHP	220	Cubic Feet(CF)	30-May-19
0001616521	-	Nitrogen UHP	220	Cubic Feet(CF)	30-May-19
0001616522	-	Nitrogen UHP	220	Cubic Feet(CF)	30-May-19
0001616523	-	Nitrogen UHP	220	Cubic Feet(CF)	30-May-19
0001616524	-	Nitrogen UHP	220	Cubic Feet(CF)	30-May-19
0001616525	-	Nitrogen UHP	220	Cubic Feet(CF)	30-May-19
0001616526	-	Nitrogen UHP	220	Cubic Feet(CF)	30-May-19
0001616527	-	Nitrogen UHP	220	Cubic Feet(CF)	30-May-19
0001616528	-	Nitrogen UHP	220	Cubic Feet(CF)	30-May-19
0001616529	-	Nitrogen UHP	220	Cubic Feet(CF)	30-May-19
0001616540	7440-59-7	Helium UHP	220	Cubic Feet(CF)	30-May-19
0001616557	7440-59-7	Helium UHP	220	Cubic Feet(CF)	30-May-19
0001616556	7440-59-7	Helium UHP	220	Cubic Feet(CF)	30-May-19
0001616555	7440-59-7	Helium UHP	220	Cubic Feet(CF)	30-May-19
0001616549	7440-59-7	Helium UHP	220	Cubic Feet(CF)	30-May-19
0001616543	7440-59-7	Helium UHP	220	Cubic Feet(CF)	30-May-19
0001616544	7440-59-7	Helium UHP	220	Cubic Feet(CF)	30-May-19
0001616554	7440-59-7	Helium UHP	220	Cubic Feet(CF)	30-May-19
0001616545	7440-59-7	Helium UHP	220	Cubic Feet(CF)	30-May-19
0001616542	7440-59-7	Helium UHP	220	Cubic Feet(CF)	30-May-19
0001616546	7440-59-7	Helium UHP	220	Cubic Feet(CF)	30-May-19
0001616541	7440-59-7	Helium UHP	220	Cubic Feet(CF)	30-May-19
0001616548	7440-59-7	Helium UHP	220	Cubic Feet(CF)	30-May-19
0001616550	7440-59-7	Helium UHP	220	Cubic Feet(CF)	30-May-19
0001616551	7440-59-7	Helium UHP	220	Cubic Feet(CF)	30-May-19
0001616552	7440-59-7	Helium UHP	220	Cubic Feet(CF)	30-May-19
0001616553	7440-59-7	Helium UHP	220	Cubic Feet(CF)	30-May-19
0001616547	7440-59-7	Helium UHP	220	Cubic Feet(CF)	30-May-19
0001616558	7440-37-1	ARGON	575	Cubic Feet(CF)	30-May-19
0001616559	7782-44-7	OXYGEN COMPRESSED GAS	20	Cubic Feet(CF)	30-May-19
0001616568	7782-44-7	OXYGEN COMPRESSED GAS	20	Cubic Feet(CF)	30-May-19
0001616571	7782-44-7	OXYGEN COMPRESSED GAS	20	Cubic Feet(CF)	30-May-19
0001616569	7782-44-7	OXYGEN COMPRESSED GAS	20	Cubic Feet(CF)	30-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001616567	7782-44-7	OXYGEN COMPRESSED GAS	20	Cubic Feet(CF)	30-May-19
0001616566	7782-44-7	OXYGEN COMPRESSED GAS	20	Cubic Feet(CF)	30-May-19
0001616565	7782-44-7	OXYGEN COMPRESSED GAS	20	Cubic Feet(CF)	30-May-19
0001616564	7782-44-7	OXYGEN COMPRESSED GAS	20	Cubic Feet(CF)	30-May-19
0001616563	7782-44-7	OXYGEN COMPRESSED GAS	20	Cubic Feet(CF)	30-May-19
0001616562	7782-44-7	OXYGEN COMPRESSED GAS	20	Cubic Feet(CF)	30-May-19
0001616561	7782-44-7	OXYGEN COMPRESSED GAS	20	Cubic Feet(CF)	30-May-19
0001616560	7782-44-7	OXYGEN COMPRESSED GAS	20	Cubic Feet(CF)	30-May-19
0001616570	7782-44-7	OXYGEN COMPRESSED GAS	20	Cubic Feet(CF)	30-May-19
0001616572	74-86-2	ACETYLENE STABILIZED	40	Cubic Feet(CF)	30-May-19
0001616586	74-86-2	ACETYLENE STABILIZED	40	Cubic Feet(CF)	30-May-19
0001616576	74-86-2	ACETYLENE STABILIZED	40	Cubic Feet(CF)	30-May-19
0001616582	74-86-2	ACETYLENE STABILIZED	40	Cubic Feet(CF)	30-May-19
0001616573	74-86-2	ACETYLENE STABILIZED	40	Cubic Feet(CF)	30-May-19
0001616574	74-86-2	ACETYLENE STABILIZED	40	Cubic Feet(CF)	30-May-19
0001616575	74-86-2	ACETYLENE STABILIZED	40	Cubic Feet(CF)	30-May-19
0001616577	74-86-2	ACETYLENE STABILIZED	40	Cubic Feet(CF)	30-May-19
0001616579	74-86-2	ACETYLENE STABILIZED	40	Cubic Feet(CF)	30-May-19
0001616578	74-86-2	ACETYLENE STABILIZED	40	Cubic Feet(CF)	30-May-19
0001616581	74-86-2	ACETYLENE STABILIZED	40	Cubic Feet(CF)	30-May-19
0001616585	74-86-2	ACETYLENE STABILIZED	40	Cubic Feet(CF)	30-May-19
0001616583	74-86-2	ACETYLENE STABILIZED	40	Cubic Feet(CF)	30-May-19
0001616584	74-86-2	ACETYLENE STABILIZED	40	Cubic Feet(CF)	30-May-19
0001616580	74-86-2	ACETYLENE STABILIZED	40	Cubic Feet(CF)	30-May-19
0001616587	74-98-6	PROPANE	11	Cubic Feet(CF)	30-May-19
0001616589	74-98-6	PROPANE	11	Cubic Feet(CF)	30-May-19
0001616588	74-98-6	PROPANE	11	Cubic Feet(CF)	30-May-19
0001616590	-	CARBON MONOXIDE 1000PPM IN NITROGEN	220	Cubic Feet(CF)	30-May-19
0001616591	-	CARBON MONOXIDE 1000PPM IN NITROGEN	220	Cubic Feet(CF)	30-May-19
0001616592	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Cubic Feet(CF)	30-May-19
0001616596	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Cubic Feet(CF)	30-May-19
0001616595	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Cubic Feet(CF)	30-May-19
0001616594	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Cubic Feet(CF)	30-May-19
0001616593	7440-59-7	HELIUM REFRIGERATED LIQUID (CRYOGENIC	100	Cubic Feet(CF)	30-May-19
V0000031DD	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	30-May-19
V0000031DB	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	30-May-19
V0000031E0	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	30-May-19
V0000031DE	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	30-May-19
V0000031DC	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	30-May-19
V0000031DA	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	30-May-19
V0000031DF	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	30-May-19
V0000031D9	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	30-May-19
V0000031E2	-	Parts Plus SAE 5W-30 SYNTHETIC BLEND PP3470	1	Quarts(QT)	30-May-19
V0000031E3	-	Parts Plus SAE 5W-30 SYNTHETIC BLEND PP3470	1	Quarts(QT)	30-May-19
V0000031E1	-	Parts Plus SAE 5W-30 SYNTHETIC BLEND PP3470	1	Quarts(QT)	30-May-19
0001573853	-	MULTI-PURPOSE SUPER WHITE GREASE	14	Ounces(OZ)	30-May-19
0001573854	-	MULTI-PURPOSE SUPER WHITE GREASE	14	Ounces(OZ)	30-May-19
0001573855	-	MULTI-PURPOSE SUPER WHITE GREASE	14	Ounces(OZ)	30-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V0000031F1	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V0000031E8	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V0000031E9	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V0000031EA	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V0000031EB	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V0000031EC	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V0000031ED	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V0000031EE	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V0000031EF	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V0000031E4	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V0000031F0	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V0000031E5	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V000003203	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V0000031F3	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V0000031F5	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V0000031F6	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V0000031F7	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V0000031F8	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V0000031F9	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V0000031FA	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V0000031FB	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V0000031FF	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V000003201	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V000003209	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V00000320A	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V00000320B	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V00000320C	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V00000320D	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V00000320E	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V00000320F	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V000003210	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V000003211	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V0000031E7	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V000003213	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V0000031E6	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V0000031F4	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V000003200	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V0000031FC	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V000003207	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V000003206	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V000003202	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V000003205	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V000003204	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V000003208	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V000003212	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V0000031FD	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V0000031FE	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19
V0000031F2	-	Stihl HP 2-Cycle Engine Oil	6.4	Ounces(OZ)	30-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001573856	-	Parts Plus SAE 80W-90 GEAR OIL	1	Quarts(QT)	30-May-19
0001573858	-	Parts Plus SAE 80W-90 GEAR OIL	1	Quarts(QT)	30-May-19
0001573857	-	Parts Plus SAE 80W-90 GEAR OIL	1	Quarts(QT)	30-May-19
V000003220	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	30-May-19
V000003229	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	30-May-19
V000003228	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	30-May-19
V000003227	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	30-May-19
V000003226	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	30-May-19
V000003225	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	30-May-19
V000003224	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	30-May-19
V000003223	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	30-May-19
V00000322E	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	30-May-19
V000003221	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	30-May-19
V00000321F	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	30-May-19
V00000321E	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	30-May-19
V00000321D	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	30-May-19
V00000321C	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	30-May-19
V00000321B	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	30-May-19
V00000321A	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	30-May-19
V000003219	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	30-May-19
V000003218	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	30-May-19
V000003217	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	30-May-19
V000003216	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	30-May-19
V000003222	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	30-May-19
V00000322B	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	30-May-19
V00000322F	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	30-May-19
V00000322C	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	30-May-19
V00000322D	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	30-May-19
V000003214	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	30-May-19
V000003230	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	30-May-19
V000003231	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	30-May-19
V000003215	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	30-May-19
V00000322A	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	30-May-19
V000003232	-	DEF Ultrapure Urea Sol 32.5%	2.5	Gallon(GAL)	30-May-19
V000003233	-	DEF Ultrapure Urea Sol 32.5%	2.5	Gallon(GAL)	30-May-19
V000003234	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	30-May-19
V000003237	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	30-May-19
V000003235	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	30-May-19
V000003236	-	CRYSTAL WINDSHIELD WASHER -25	1	Gallon(GAL)	30-May-19
V000003238	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	30-May-19
V000003239	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	30-May-19
V00000323A	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	30-May-19
V00000323B	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	30-May-19
V00000323C	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	30-May-19
V00000323D	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	30-May-19
V00000323E	-	FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE	10	Ounces(OZ)	30-May-19
0001637650	-	LOCTITE 271	10	Milliliter(ML)	30-May-19
0001637656	-	LOCTITE 271	10	Milliliter(ML)	30-May-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001637652	-	LOCTITE 271	10	Milliliter(ML)	30-May-19
0001637653	-	LOCTITE 271	10	Milliliter(ML)	30-May-19
0001637664	-	LOCTITE 271	10	Milliliter(ML)	30-May-19
0001637655	-	LOCTITE 271	10	Milliliter(ML)	30-May-19
0001637651	-	LOCTITE 271	10	Milliliter(ML)	30-May-19
0001637657	-	LOCTITE 271	10	Milliliter(ML)	30-May-19
0001637658	-	LOCTITE 271	10	Milliliter(ML)	30-May-19
0001637659	-	LOCTITE 271	10	Milliliter(ML)	30-May-19
0001637660	-	LOCTITE 271	10	Milliliter(ML)	30-May-19
0001637661	-	LOCTITE 271	10	Milliliter(ML)	30-May-19
0001637662	-	LOCTITE 271	10	Milliliter(ML)	30-May-19
0001637663	-	LOCTITE 271	10	Milliliter(ML)	30-May-19
0001637654	-	LOCTITE 271	10	Milliliter(ML)	30-May-19
0001420893	-	NEVER SEEZ ANTI-SEIZE AND LUBRICATING	4	Ounces(OZ)	30-May-19
0001420892	-	LEAK DETECTOR	8	Ounces(OZ)	30-May-19
0001420891	-	DOW CORNING(R) HIGH VACUUM GREASE	5.3	Ounces(OZ)	30-May-19
0001420895	-	WHITE LITHIUM GREASE	2	Ounces(OZ)	30-May-19
0001420896	-	SILVER GOOP THREAD LUBRICANT	1	Ounces(OZ)	30-May-19
V00000323F	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	30-May-19
V000003240	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	30-May-19
V000003241	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	30-May-19
V000003242	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	30-May-19
V00000324D	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	30-May-19
V000003256	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	30-May-19
V000003255	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	30-May-19
V000003254	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	30-May-19
V000003253	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	30-May-19
V000003252	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	30-May-19
V000003251	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	30-May-19
V000003250	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	30-May-19
V000003243	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	30-May-19
V00000324E	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	30-May-19
V000003245	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	30-May-19
V00000324C	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	30-May-19
V00000324B	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	30-May-19
V00000324A	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	30-May-19
V000003249	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	30-May-19
V000003248	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	30-May-19
V000003247	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	30-May-19
V000003244	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	30-May-19
V00000324F	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	30-May-19
V000003246	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	30-May-19
0001599161	71-23-8	1-PROPANOL	1	Liters(L)	03-Jun-19
0001599162	71-23-8	1-PROPANOL	1	Liters(L)	03-Jun-19
0001599163	71-23-8	1-PROPANOL	1	Liters(L)	03-Jun-19
0001599164	71-43-2	BENZENE	1	Liters(L)	03-Jun-19
0001599165	71-43-2	BENZENE	1	Liters(L)	03-Jun-19
0001599166	-	ANALYTICAL GRADE CATION EXCHANGE RESIN	500	Gram(GM)	03-Jun-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001599167	-	ANALYTICAL GRADE CATION EXCHANGE RESIN	500	Gram(GM)	03-Jun-19
0001599168	-	Anti-Static Glass Cleaner Stoner	13	Ounces(OZ)	03-Jun-19
0001599170	-	Anti-Static Glass Cleaner Stoner	13	Ounces(OZ)	03-Jun-19
0001599171	-	Anti-Static Glass Cleaner Stoner	13	Ounces(OZ)	03-Jun-19
0001599169	-	Anti-Static Glass Cleaner Stoner	13	Ounces(OZ)	03-Jun-19
0001599172	-	Anti-Static Glass Cleaner Stoner	13	Ounces(OZ)	03-Jun-19
0001599173	-	Anti-Static Glass Cleaner Stoner	13	Ounces(OZ)	03-Jun-19
0001599174	-	TORR SEAL	135	Gram(GM)	03-Jun-19
0001599179	-	TORR SEAL	135	Gram(GM)	03-Jun-19
0001599178	-	TORR SEAL	135	Gram(GM)	03-Jun-19
0001599177	-	TORR SEAL	135	Gram(GM)	03-Jun-19
0001599175	-	TORR SEAL	135	Gram(GM)	03-Jun-19
0001599176	-	TORR SEAL	135	Gram(GM)	03-Jun-19
0001599180	-	VARIAN TORR SEAL	1.69	Ounces(OZ)	03-Jun-19
0001599184	-	VARIAN TORR SEAL	1.69	Ounces(OZ)	03-Jun-19
0001599183	-	VARIAN TORR SEAL	1.69	Ounces(OZ)	03-Jun-19
0001599182	-	VARIAN TORR SEAL	1.69	Ounces(OZ)	03-Jun-19
0001599181	-	VARIAN TORR SEAL	1.69	Ounces(OZ)	03-Jun-19
0001599185	-	VARIAN TORR SEAL	1.69	Ounces(OZ)	03-Jun-19
0001599186	-	Minimum Essential Medium (MEM) Corning	500	Milliliter(ML)	03-Jun-19
0001599189	-	Minimum Essential Medium (MEM) Corning	500	Milliliter(ML)	03-Jun-19
0001599191	-	Minimum Essential Medium (MEM) Corning	500	Milliliter(ML)	03-Jun-19
0001599188	-	Minimum Essential Medium (MEM) Corning	500	Milliliter(ML)	03-Jun-19
0001599190	-	Minimum Essential Medium (MEM) Corning	500	Milliliter(ML)	03-Jun-19
0001599187	-	Minimum Essential Medium (MEM) Corning	500	Milliliter(ML)	03-Jun-19
0001599192	-	2-Chlorotrityl chloride resin (100-200 mesh)	25	Gram(GM)	03-Jun-19
0001599193	1116-76-3	TRIOCTYLAMINE	25	Gram(GM)	03-Jun-19
0001599194	112-82-3	1-Bromohexadecane	100	Gram(GM)	03-Jun-19
0001599195	993-13-5	METHYLPHOSPHONIC ACID	5	Gram(GM)	03-Jun-19
0001599196	6779-09-5	ETHYLPHOSPHONIC ACID	5	Gram(GM)	03-Jun-19
0001599197	1571-33-1	PHENYLPHOSPHONIC ACID	5	Gram(GM)	03-Jun-19
0001599198	3283-12-3	Dimethylphosphinic acid	100	Milligram(MG)	03-Jun-19
0001599199	137-05-3	PERMABOND 910 ADHESIVE	1	Ounces(OZ)	03-Jun-19
0001599205	137-05-3	PERMABOND 910 ADHESIVE	1	Ounces(OZ)	03-Jun-19
0001599204	137-05-3	PERMABOND 910 ADHESIVE	1	Ounces(OZ)	03-Jun-19
0001599203	137-05-3	PERMABOND 910 ADHESIVE	1	Ounces(OZ)	03-Jun-19
0001599202	137-05-3	PERMABOND 910 ADHESIVE	1	Ounces(OZ)	03-Jun-19
0001599219	137-05-3	PERMABOND 910 ADHESIVE	1	Ounces(OZ)	03-Jun-19
0001599201	137-05-3	PERMABOND 910 ADHESIVE	1	Ounces(OZ)	03-Jun-19
0001599215	137-05-3	PERMABOND 910 ADHESIVE	1	Ounces(OZ)	03-Jun-19
0001599209	137-05-3	PERMABOND 910 ADHESIVE	1	Ounces(OZ)	03-Jun-19
0001599218	137-05-3	PERMABOND 910 ADHESIVE	1	Ounces(OZ)	03-Jun-19
0001599217	137-05-3	PERMABOND 910 ADHESIVE	1	Ounces(OZ)	03-Jun-19
0001599221	137-05-3	PERMABOND 910 ADHESIVE	1	Ounces(OZ)	03-Jun-19
0001599214	137-05-3	PERMABOND 910 ADHESIVE	1	Ounces(OZ)	03-Jun-19
0001599216	137-05-3	PERMABOND 910 ADHESIVE	1	Ounces(OZ)	03-Jun-19
0001599220	137-05-3	PERMABOND 910 ADHESIVE	1	Ounces(OZ)	03-Jun-19
0001599200	137-05-3	PERMABOND 910 ADHESIVE	1	Ounces(OZ)	03-Jun-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001599208	137-05-3	PERMABOND 910 ADHESIVE	1	Ounces(OZ)	03-Jun-19
0001599206	137-05-3	PERMABOND 910 ADHESIVE	1	Ounces(OZ)	03-Jun-19
0001599211	137-05-3	PERMABOND 910 ADHESIVE	1	Ounces(OZ)	03-Jun-19
0001599212	137-05-3	PERMABOND 910 ADHESIVE	1	Ounces(OZ)	03-Jun-19
0001599210	137-05-3	PERMABOND 910 ADHESIVE	1	Ounces(OZ)	03-Jun-19
0001599213	137-05-3	PERMABOND 910 ADHESIVE	1	Ounces(OZ)	03-Jun-19
0001599207	137-05-3	PERMABOND 910 ADHESIVE	1	Ounces(OZ)	03-Jun-19
0001599222	144-62-7	OXALIC ACID	25	Gram(GM)	03-Jun-19
0001599230	144-48-9	IODOACETAMIDE	9.3	Milligram(MG)	03-Jun-19
0001599231	51805-45-9	BOND BREAKER TCEP SOLUTION	5	Milligram(MG)	03-Jun-19
0001599232	504-29-0	2-AMINOPYRIDINE	100	Gram(GM)	03-Jun-19
0001599233	128-08-5	N-BROMOSUCCINIMIDE	100	Gram(GM)	03-Jun-19
0001599234	141-78-6	ETHYL ACETATE	4	Liters(L)	03-Jun-19
0001599237	141-78-6	ETHYL ACETATE	4	Liters(L)	03-Jun-19
0001599235	141-78-6	ETHYL ACETATE	4	Liters(L)	03-Jun-19
0001599236	141-78-6	ETHYL ACETATE	4	Liters(L)	03-Jun-19
0001599238	-	Hysol E-120HP Epoxy	50	Milliliter(ML)	03-Jun-19
0001599240	-	Hysol E-120HP Epoxy	50	Milliliter(ML)	03-Jun-19
0001599239	-	Hysol E-120HP Epoxy	50	Milliliter(ML)	03-Jun-19
0001599241	-	WATER WITH .1% FORMIC ACID	4	Liters(L)	03-Jun-19
0001599242	5680-80-8	L-SERINE METHYL ESTER HYDROCHLORIDE	25	Gram(GM)	03-Jun-19
0001599243	5680-80-8	L-SERINE METHYL ESTER HYDROCHLORIDE	25	Gram(GM)	03-Jun-19
0001599244	8012-95-1	MINERAL OIL (PARAFFIN OIL)	500	Milliliter(ML)	03-Jun-19
0001599245	7722-84-1	HYDROGEN PEROXIDE 30% SOLUTION	500	Milliliter(ML)	03-Jun-19
0001599246	7722-84-1	HYDROGEN PEROXIDE 30% SOLUTION	500	Milliliter(ML)	03-Jun-19
0001599247	25167-70-8	DIISOBUTYLENE	1	Liters(L)	03-Jun-19
0001599250	25167-70-8	DIISOBUTYLENE	1	Liters(L)	03-Jun-19
0001599249	25167-70-8	DIISOBUTYLENE	1	Liters(L)	03-Jun-19
0001599248	25167-70-8	DIISOBUTYLENE	1	Liters(L)	03-Jun-19
0001599251	64-17-5	ETHYL ALCOHOL DENATURED HPLC	1	Gallon(GAL)	03-Jun-19
0001599254	64-17-5	ETHYL ALCOHOL DENATURED HPLC	1	Gallon(GAL)	03-Jun-19
0001599253	64-17-5	ETHYL ALCOHOL DENATURED HPLC	1	Gallon(GAL)	03-Jun-19
0001599255	64-17-5	ETHYL ALCOHOL DENATURED HPLC	1	Gallon(GAL)	03-Jun-19
0001599252	64-17-5	ETHYL ALCOHOL DENATURED HPLC	1	Gallon(GAL)	03-Jun-19
0001599256	78-83-1	ISOBUTYL ALCOHOL	2.5	Liters(L)	03-Jun-19
0001599257	7440-21-3	RTV SILICONE RUBBER (RED)	3	Ounces(OZ)	03-Jun-19
0001599259	7440-21-3	RTV SILICONE RUBBER (RED)	3	Ounces(OZ)	03-Jun-19
0001599267	7440-21-3	RTV SILICONE RUBBER (RED)	3	Ounces(OZ)	03-Jun-19
0001599268	7440-21-3	RTV SILICONE RUBBER (RED)	3	Ounces(OZ)	03-Jun-19
0001599258	7440-21-3	RTV SILICONE RUBBER (RED)	3	Ounces(OZ)	03-Jun-19
0001599260	7440-21-3	RTV SILICONE RUBBER (RED)	3	Ounces(OZ)	03-Jun-19
0001599261	7440-21-3	RTV SILICONE RUBBER (RED)	3	Ounces(OZ)	03-Jun-19
0001599262	7440-21-3	RTV SILICONE RUBBER (RED)	3	Ounces(OZ)	03-Jun-19
0001599263	7440-21-3	RTV SILICONE RUBBER (RED)	3	Ounces(OZ)	03-Jun-19
0001599264	7440-21-3	RTV SILICONE RUBBER (RED)	3	Ounces(OZ)	03-Jun-19
0001599265	7440-21-3	RTV SILICONE RUBBER (RED)	3	Ounces(OZ)	03-Jun-19
0001599266	7440-21-3	RTV SILICONE RUBBER (RED)	3	Ounces(OZ)	03-Jun-19
0001599269	-	High Temperature UHV Compatible Epoxy	0.5	Ounces(OZ)	03-Jun-19

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001599282	-	High Temperature UHV Compatible Epoxy	0.5	Ounces(OZ)	03-Jun-19
0001599283	-	High Temperature UHV Compatible Epoxy	0.5	Ounces(OZ)	03-Jun-19
0001599281	-	High Temperature UHV Compatible Epoxy	0.5	Ounces(OZ)	03-Jun-19
0001599279	-	High Temperature UHV Compatible Epoxy	0.5	Ounces(OZ)	03-Jun-19
0001599278	-	High Temperature UHV Compatible Epoxy	0.5	Ounces(OZ)	03-Jun-19
0001599277	-	High Temperature UHV Compatible Epoxy	0.5	Ounces(OZ)	03-Jun-19
0001599276	-	High Temperature UHV Compatible Epoxy	0.5	Ounces(OZ)	03-Jun-19
0001599275	-	High Temperature UHV Compatible Epoxy	0.5	Ounces(OZ)	03-Jun-19
0001599274	-	High Temperature UHV Compatible Epoxy	0.5	Ounces(OZ)	03-Jun-19
0001599273	-	High Temperature UHV Compatible Epoxy	0.5	Ounces(OZ)	03-Jun-19
0001599272	-	High Temperature UHV Compatible Epoxy	0.5	Ounces(OZ)	03-Jun-19
0001599271	-	High Temperature UHV Compatible Epoxy	0.5	Ounces(OZ)	03-Jun-19
0001599270	-	High Temperature UHV Compatible Epoxy	0.5	Ounces(OZ)	03-Jun-19
0001599280	-	High Temperature UHV Compatible Epoxy	0.5	Ounces(OZ)	03-Jun-19
0001599284	7784-27-2	ALUMINUM NITRATE NONAHYDRATE	100	Gram(GM)	03-Jun-19
0001599285	109-09-1	2-CHLOROPYRIDINE	100	Gram(GM)	03-Jun-19
0001599286	-	Intellipack SmartFoam A	55	Gallon(GAL)	03-Jun-19
0001599295	162881-26-7	Phenylbis(2 4 6-trimethylbenzoyl)phosphine	10	Gram(GM)	03-Jun-19
0001599296	842-07-9	Sudan I	25	Gram(GM)	03-Jun-19
0001599297	144-55-8	SODIUM BICARBONATE SOLUTION (7.5% W/V)	1	Liters(L)	03-Jun-19
0001599303	144-55-8	SODIUM BICARBONATE SOLUTION (7.5% W/V)	1	Liters(L)	03-Jun-19
0001599304	144-55-8	SODIUM BICARBONATE SOLUTION (7.5% W/V)	1	Liters(L)	03-Jun-19
0001599308	144-55-8	SODIUM BICARBONATE SOLUTION (7.5% W/V)	1	Liters(L)	03-Jun-19
0001599307	144-55-8	SODIUM BICARBONATE SOLUTION (7.5% W/V)	1	Liters(L)	03-Jun-19
0001599301	144-55-8	SODIUM BICARBONATE SOLUTION (7.5% W/V)	1	Liters(L)	03-Jun-19
0001599305	144-55-8	SODIUM BICARBONATE SOLUTION (7.5% W/V)	1	Liters(L)	03-Jun-19
0001599302	144-55-8	SODIUM BICARBONATE SOLUTION (7.5% W/V)	1	Liters(L)	03-Jun-19
0001599300	144-55-8	SODIUM BICARBONATE SOLUTION (7.5% W/V)	1	Liters(L)	03-Jun-19
0001599299	144-55-8	SODIUM BICARBONATE SOLUTION (7.5% W/V)	1	Liters(L)	03-Jun-19
0001599298	144-55-8	SODIUM BICARBONATE SOLUTION (7.5% W/V)	1	Liters(L)	03-Jun-19
0001599306	144-55-8	SODIUM BICARBONATE SOLUTION (7.5% W/V)	1	Liters(L)	03-Jun-19
0001599309	-	KRYLON COLORMAXX Gloss Banner Red	12	Ounces(OZ)	03-Jun-19
0001599310	-	Krylon ColorMaxx True Blue	12	Ounces(OZ)	03-Jun-19
0001599311	-	Krylon Colormaxx Gloss PUmpkin Orange	12	Ounces(OZ)	03-Jun-19
0001599312	-	Krylon ColorMaxx Gloss Emerald Green	12	Ounces(OZ)	03-Jun-19
0001599313	-	Krylon ColorMaxx Gloss Watermelon	12	Ounces(OZ)	03-Jun-19
0001599314	10026-11-6	ZIRCONIUM(IV) CHLORIDE	25	Gram(GM)	03-Jun-19
0001599367	-	M-BOND 200 KIT	10	Gram(GM)	03-Jun-19
0001599371	-	M-BOND 200 KIT	10	Gram(GM)	03-Jun-19
0001599370	-	M-BOND 200 KIT	10	Gram(GM)	03-Jun-19
0001599369	-	M-BOND 200 KIT	10	Gram(GM)	03-Jun-19
0001599368	-	M-BOND 200 KIT	10	Gram(GM)	03-Jun-19
0001599372	-	M-BOND 200 CATALYST	30	Milliliter(ML)	03-Jun-19
0001599374	-	M-BOND 200 CATALYST	30	Milliliter(ML)	03-Jun-19
0001599376	-	M-BOND 200 CATALYST	30	Milliliter(ML)	03-Jun-19
0001599375	-	M-BOND 200 CATALYST	30	Milliliter(ML)	03-Jun-19
0001599373	-	M-BOND 200 CATALYST	30	Milliliter(ML)	03-Jun-19
0001599287	9006-26-2	Polyethylene-graft-maleic anhydride	250	Gram(GM)	03-Jun-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001599289	9006-26-2	Polyethylene-graft-maleic anhydride	250	Gram(GM)	03-Jun-19
0001599290	9006-26-2	Polyethylene-graft-maleic anhydride	250	Gram(GM)	03-Jun-19
0001599288	9006-26-2	Polyethylene-graft-maleic anhydride	250	Gram(GM)	03-Jun-19
0001599316	1490-25-1	Methyl 4-Chloro-4-oxobutyrate	25	Gram(GM)	03-Jun-19
0001386742	-	ENERPAC HYDRAULIC OIL	0.5	Gallon(GAL)	03-Jun-19
0001386741	-	ENERPAC HYDRAULIC OIL	1	Gallon(GAL)	03-Jun-19
0001599317	79917-88-7	1 3-Dimethylimidazolium Chloride	5	Gram(GM)	03-Jun-19
0001599318	-	KL LEAK SEALANT	3	Ounces(OZ)	03-Jun-19
0001599319	95-63-6	1 2 4-TRIMETHYLBENZENE	2	Liters(L)	03-Jun-19
0001599320	95-63-6	1 2 4-TRIMETHYLBENZENE	2	Liters(L)	03-Jun-19
0001599321	95-63-6	1 2 4-TRIMETHYLBENZENE	2	Liters(L)	03-Jun-19
0001599322	52947-00-9	BROMOACETIC ACID-13C2	10	Gram(GM)	03-Jun-19
0001599324	51325-91-8	4-(DICYANOMETHYLENE)-2-METHYL-6-(P-	250	Milligram(MG)	03-Jun-19
0001599325	51325-91-8	4-(DICYANOMETHYLENE)-2-METHYL-6-(P-	250	Milligram(MG)	03-Jun-19
0001599326	51325-91-8	4-(DICYANOMETHYLENE)-2-METHYL-6-(P-	250	Milligram(MG)	03-Jun-19
0001599327	51325-91-8	4-(DICYANOMETHYLENE)-2-METHYL-6-(P-	250	Milligram(MG)	03-Jun-19
0001599328	92-71-7	2 5-DIPHENYLOXAZOLE	25	Gram(GM)	03-Jun-19
0001599329	1806-34-4	1 4 BIS (5-PHENYLOXAZOL-2-YL) BENZENE	5	Gram(GM)	03-Jun-19
0001599377	-	EJ-550 SILICONE OPTICAL GREASE	90	Gram(GM)	03-Jun-19
0001599378	-	EJ-550 SILICONE OPTICAL GREASE	90	Gram(GM)	03-Jun-19
0001599379	-	EJ-550 SILICONE OPTICAL GREASE	90	Gram(GM)	03-Jun-19
0001599380	-	EJ-550 SILICONE OPTICAL GREASE	90	Gram(GM)	03-Jun-19
0001599382	7758-02-3	POTASSIUM BROMIDE	100	Gram(GM)	03-Jun-19
0001599383	7681-82-5	SODIUM IODIDE	100	Gram(GM)	03-Jun-19
0001599384	627-18-9	3-BROMO-1-PROPANOL	25	Gram(GM)	03-Jun-19
0001599385	143-10-2	N-DECYL MERCAPTAN	50	Milligram(MG)	03-Jun-19
0001598601	156-60-5	Novec 72DA Engineered Fluid	50	Pounds(LB)	04-Jun-19
0001598602	156-60-5	Novec 72DA Engineered Fluid	50	Pounds(LB)	04-Jun-19
0001598603	156-60-5	Novec 72DA Engineered Fluid	50	Pounds(LB)	04-Jun-19
0001598604	156-60-5	Novec 72DA Engineered Fluid	50	Pounds(LB)	04-Jun-19
0001599315	4294-57-9	P-TOLYLMAGNESIUM BROMIDE	100	Milliliter(ML)	04-Jun-19
0001573859	-	LUBRIPLATE CHAIN AND CABLE FLUID	11	Ounces(OZ)	04-Jun-19
0001573867	-	LUBRIPLATE CHAIN AND CABLE FLUID	11	Ounces(OZ)	04-Jun-19
0001573864	-	LUBRIPLATE CHAIN AND CABLE FLUID	11	Ounces(OZ)	04-Jun-19
0001573865	-	LUBRIPLATE CHAIN AND CABLE FLUID	11	Ounces(OZ)	04-Jun-19
0001573866	-	LUBRIPLATE CHAIN AND CABLE FLUID	11	Ounces(OZ)	04-Jun-19
0001573862	-	LUBRIPLATE CHAIN AND CABLE FLUID	11	Ounces(OZ)	04-Jun-19
0001573861	-	LUBRIPLATE CHAIN AND CABLE FLUID	11	Ounces(OZ)	04-Jun-19
0001573860	-	LUBRIPLATE CHAIN AND CABLE FLUID	11	Ounces(OZ)	04-Jun-19
0001573868	-	LUBRIPLATE CHAIN AND CABLE FLUID	11	Ounces(OZ)	04-Jun-19
0001573863	-	LUBRIPLATE CHAIN AND CABLE FLUID	11	Ounces(OZ)	04-Jun-19
V000003265	-	Zerex HD Extended Life 50/50 Antifreeze Coolant	1	Gallon(GAL)	04-Jun-19
0001573869	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	04-Jun-19
0001573870	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	04-Jun-19
0001573871	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	04-Jun-19
0001573872	-	Valvoline NON-DETERGENT SAE 30 MOTOR OIL	1	Quarts(QT)	04-Jun-19
V000003266	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	04-Jun-19
V00000326E	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	04-Jun-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V00000326D	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	04-Jun-19
V00000326C	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	04-Jun-19
V00000326B	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	04-Jun-19
V00000326A	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	04-Jun-19
V000003269	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	04-Jun-19
V000003268	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	04-Jun-19
V000003267	-	PARTS PLUS SAE 5W-30 PREMIUM MOTOR OIL	1	Quarts(QT)	04-Jun-19
V000003271	-	DEF Ultrapure Urea Sol 32.5%	2.5	Gallon(GAL)	04-Jun-19
V000003272	-	DEF Ultrapure Urea Sol 32.5%	2.5	Gallon(GAL)	04-Jun-19
V000003270	-	DEF Ultrapure Urea Sol 32.5%	2.5	Gallon(GAL)	04-Jun-19
V00000326F	-	DEF Ultrapure Urea Sol 32.5%	2.5	Gallon(GAL)	04-Jun-19
0001599330	-	Techspray LICRON Crystal	8	Ounces(OZ)	04-Jun-19
V000003278	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	04-Jun-19
V00000327F	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	04-Jun-19
V00000327E	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	04-Jun-19
V00000327D	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	04-Jun-19
V00000327C	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	04-Jun-19
V00000327B	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	04-Jun-19
V000003273	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	04-Jun-19
V000003279	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	04-Jun-19
V000003277	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	04-Jun-19
V000003276	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	04-Jun-19
V000003275	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	04-Jun-19
V000003274	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	04-Jun-19
V00000327A	-	Valvoline MOTOR OIL SAE 15W-40 MOTOR OIL	1	Gallon(GAL)	04-Jun-19
0001599331	-	Techspray LICRON Crystal	8	Ounces(OZ)	04-Jun-19
V000003280	-	Valvoline GM MULTIPURPOSE GREASE VV61510	14.1	Ounces(OZ)	04-Jun-19
V000003281	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	04-Jun-19
V000003282	-	PARTS PLUS ANTIFREEZE & COOLANT	1	Gallon(GAL)	04-Jun-19
0001573873	-	ULTRA-LOW VOC BRAKLEEN	14	Ounces(OZ)	04-Jun-19
0001573876	-	ULTRA-LOW VOC BRAKLEEN	14	Ounces(OZ)	04-Jun-19
0001573875	-	ULTRA-LOW VOC BRAKLEEN	14	Ounces(OZ)	04-Jun-19
0001573874	-	ULTRA-LOW VOC BRAKLEEN	14	Ounces(OZ)	04-Jun-19
0001573877	-	DIELECTRIC GREASE	3.3	Ounces(OZ)	04-Jun-19
0001573878	-	WD-40 MULTI-USE PRODUCT - [Non-Aerosol]	20	Ounces(OZ)	04-Jun-19
0001545733	-	MARKING PAINT WHITE	17	Ounces(OZ)	04-Jun-19
0001545734	-	MARKING PAINT WHITE	17	Ounces(OZ)	04-Jun-19
0001573879	-	LUBRIPLATE CHAIN AND CABLE FLUID	11	Ounces(OZ)	04-Jun-19
0001573880	-	THREAD SEALANT W/PTFE	1	Ounces(OZ)	04-Jun-19
V000003283	-	100% Silicone Rubber Sealant Clear	9.8	Ounces(OZ)	04-Jun-19
V000003284	-	100% Silicone Rubber Sealant Clear	9.8	Ounces(OZ)	04-Jun-19
V000003285	-	100% Silicone Rubber Sealant Clear	9.8	Ounces(OZ)	04-Jun-19
V000003286	-	100% Silicone Rubber Sealant Clear	9.8	Ounces(OZ)	04-Jun-19
V000003287	-	100% Silicone Rubber Sealant Clear	9.8	Ounces(OZ)	04-Jun-19
V000003288	-	100% Silicone Rubber Sealant Clear	9.8	Ounces(OZ)	04-Jun-19
V000003289	-	100% Silicone Rubber Sealant Clear	9.8	Ounces(OZ)	04-Jun-19
V00000328A	-	100% Silicone Rubber Sealant Clear	9.8	Ounces(OZ)	04-Jun-19
V00000328B	-	100% Silicone Rubber Sealant Clear	9.8	Ounces(OZ)	04-Jun-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001599332	7439-97-6	MERCURY STANDARD SOLUTION	100	Milliliter(ML)	04-Jun-19
0001599333	75-52-5	NITROMETHANE	500	Milliliter(ML)	04-Jun-19
0001599334	-	Essential 8 Medium	510	Milliliter(ML)	04-Jun-19
0001599335	5343-92-0	1 2-Pentanediol	250	Milliliter(ML)	04-Jun-19
0001545745	-	DAP WELDWOOD Carpenter's Glue	1	Gallon(GAL)	04-Jun-19
0001599337	5343-92-0	1 2-Pentanediol	250	Milliliter(ML)	04-Jun-19
0001599336	5343-92-0	1 2-Pentanediol	250	Milliliter(ML)	04-Jun-19
0001599338	584-03-2	1 2-BUTANEDIOL	250	Gram(GM)	04-Jun-19
0001599340	584-03-2	1 2-BUTANEDIOL	250	Gram(GM)	04-Jun-19
0001599339	584-03-2	1 2-BUTANEDIOL	250	Gram(GM)	04-Jun-19
0001599341	57-55-6	PROPYLENE GLYCOL	500	Milliliter(ML)	04-Jun-19
0001599342	57-55-6	PROPYLENE GLYCOL	500	Milliliter(ML)	04-Jun-19
0001599343	-	TANGOBLACK PLUS FLX980	3.6	Kilograms(KG)	04-Jun-19
0001599344	3858-78-4	Butylamine Hydrochloride	500	Gram(GM)	04-Jun-19
0001599345	1314-61-0	TANTALUM(V) OXIDE	25	Gram(GM)	04-Jun-19
0001599386	10592-13-9	DOXYCYCLINE HYDROCHLORIDE	1	Milliliter(ML)	04-Jun-19
V00000328D	-	Rando HDZ 32 46 68 100	5	Gallon(GAL)	04-Jun-19
V000003293	-	Rando HDZ 32 46 68 100	5	Gallon(GAL)	04-Jun-19
V000003295	-	Rando HDZ 32 46 68 100	5	Gallon(GAL)	04-Jun-19
V000003294	-	Rando HDZ 32 46 68 100	5	Gallon(GAL)	04-Jun-19
V000003292	-	Rando HDZ 32 46 68 100	5	Gallon(GAL)	04-Jun-19
V00000328C	-	Rando HDZ 32 46 68 100	5	Gallon(GAL)	04-Jun-19
V00000328E	-	Rando HDZ 32 46 68 100	5	Gallon(GAL)	04-Jun-19
V000003290	-	Rando HDZ 32 46 68 100	5	Gallon(GAL)	04-Jun-19
V000003291	-	Rando HDZ 32 46 68 100	5	Gallon(GAL)	04-Jun-19
V00000328F	-	Rando HDZ 32 46 68 100	5	Gallon(GAL)	04-Jun-19
0001599387	-	LOCTITE ABLESTIK 2902	2.65	Gram(GM)	04-Jun-19
0001599393	-	LOCTITE ABLESTIK 2902	2.65	Gram(GM)	04-Jun-19
0001599388	-	LOCTITE ABLESTIK 2902	2.65	Gram(GM)	04-Jun-19
0001599390	-	LOCTITE ABLESTIK 2902	2.65	Gram(GM)	04-Jun-19
0001599391	-	LOCTITE ABLESTIK 2902	2.65	Gram(GM)	04-Jun-19
0001599394	-	LOCTITE ABLESTIK 2902	2.65	Gram(GM)	04-Jun-19
0001599392	-	LOCTITE ABLESTIK 2902	2.65	Gram(GM)	04-Jun-19
0001599396	-	LOCTITE ABLESTIK 2902	2.65	Gram(GM)	04-Jun-19
0001599389	-	LOCTITE ABLESTIK 2902	2.65	Gram(GM)	04-Jun-19
0001599395	-	LOCTITE ABLESTIK 2902	2.65	Gram(GM)	04-Jun-19
0001599397	-	DNEASY PLANT MAXI KIT	260	MicroGram(UG	04-Jun-19
0001599398	-	HYDRANAL COULMAT	500	Milliliter(ML)	04-Jun-19
0001573881	-	ANTI SEIZE LUBRICANT	4	Ounces(OZ)	04-Jun-19
0001599399	111-40-0	DIETHYLENETRIAMINE	1	Liters(L)	04-Jun-19
0001599400	111-40-0	DIETHYLENETRIAMINE	1	Liters(L)	04-Jun-19
V000003299	-	Avalon Premium 100% Acrylic Interior Semi-Gloss	5	Gallon(GAL)	04-Jun-19
V000003297	-	Avalon Premium 100% Acrylic Interior Semi-Gloss	5	Gallon(GAL)	04-Jun-19
V00000329A	-	Avalon Premium 100% Acrylic Interior Semi-Gloss	5	Gallon(GAL)	04-Jun-19
V000003298	-	Avalon Premium 100% Acrylic Interior Semi-Gloss	5	Gallon(GAL)	04-Jun-19
V00000329B	-	Avalon Premium 100% Acrylic Interior Semi-Gloss	5	Gallon(GAL)	04-Jun-19
V000003296	-	Avalon Premium 100% Acrylic Interior Semi-Gloss	5	Gallon(GAL)	04-Jun-19
0001573882	-	KRYLON RUST TOUGH 9202 BLACK GLOSS	12	Ounces(OZ)	04-Jun-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001573883	-	KRYLON RUST TOUGH 9202 BLACK GLOSS	12	Ounces(OZ)	04-Jun-19
V00000329C	-	Zinsser BULLS EYE 1-2-3	5	Gallon(GAL)	04-Jun-19
V00000329F	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	04-Jun-19
V00000329E	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	04-Jun-19
V0000032A0	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	04-Jun-19
V00000329D	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	04-Jun-19
0001573884	-	DRY FILM MOLY LUBRICANT LU 200	11	Ounces(OZ)	04-Jun-19
0001573885	-	DRY FILM MOLY LUBRICANT LU 200	11	Ounces(OZ)	04-Jun-19
0001599401	-	FMO - Orange Fluorescent Microspheres	1.3	Gram(GM)	04-Jun-19
0001599402	-	TrypLE Express StableTrypsin Replacement	100	Milliliter(ML)	04-Jun-19
0001599404	-	TrypLE Express StableTrypsin Replacement	100	Milliliter(ML)	04-Jun-19
0001599403	-	TrypLE Express StableTrypsin Replacement	100	Milliliter(ML)	04-Jun-19
0001599405	-	TrypLE Express StableTrypsin Replacement	100	Milliliter(ML)	04-Jun-19
0001599406	-	TrypLE Express StableTrypsin Replacement	100	Milliliter(ML)	04-Jun-19
0001599407	-	TrypLE Express StableTrypsin Replacement	100	Milliliter(ML)	04-Jun-19
0001599408	85721-33-1	CIPROFLOXACIN	5	Gram(GM)	04-Jun-19
0001599409	7697-37-2	NITRIC ACID OPTIMA	500	Milliliter(ML)	04-Jun-19
0001599410	7697-37-2	NITRIC ACID OPTIMA	500	Milliliter(ML)	04-Jun-19
0001599411	7697-37-2	NITRIC ACID OPTIMA	500	Milliliter(ML)	04-Jun-19
V0000032A2	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	04-Jun-19
V0000032A1	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	04-Jun-19
V0000032A6	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	04-Jun-19
V0000032A5	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	04-Jun-19
V0000032A4	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	04-Jun-19
V0000032A3	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	04-Jun-19
V0000032A7	-	Avalon Premium 100% Acrylic Interior Satin W/B	1	Gallon(GAL)	04-Jun-19
V0000032AB	-	Avalon Premium 100% Acrylic Interior Satin W/B	1	Gallon(GAL)	04-Jun-19
V0000032A9	-	Avalon Premium 100% Acrylic Interior Satin W/B	1	Gallon(GAL)	04-Jun-19
V0000032AE	-	Avalon Premium 100% Acrylic Interior Satin W/B	1	Gallon(GAL)	04-Jun-19
V0000032AD	-	Avalon Premium 100% Acrylic Interior Satin W/B	1	Gallon(GAL)	04-Jun-19
V0000032AA	-	Avalon Premium 100% Acrylic Interior Satin W/B	1	Gallon(GAL)	04-Jun-19
V0000032A8	-	Avalon Premium 100% Acrylic Interior Satin W/B	1	Gallon(GAL)	04-Jun-19
V0000032AF	-	Avalon Premium 100% Acrylic Interior Satin W/B	1	Gallon(GAL)	04-Jun-19
V0000032AC	-	Avalon Premium 100% Acrylic Interior Satin W/B	1	Gallon(GAL)	04-Jun-19
V0000032B0	-	Avalon Premium 100% Acrylic Interior Satin W/B	1	Gallon(GAL)	04-Jun-19
V0000032B6	-	Avalon Premium 100% Acrylic Interior Flat W/B	1	Gallon(GAL)	04-Jun-19
V0000032B5	-	Avalon Premium 100% Acrylic Interior Flat W/B	1	Gallon(GAL)	04-Jun-19
V0000032B4	-	Avalon Premium 100% Acrylic Interior Flat W/B	1	Gallon(GAL)	04-Jun-19
V0000032B2	-	Avalon Premium 100% Acrylic Interior Flat W/B	1	Gallon(GAL)	04-Jun-19
V0000032B3	-	Avalon Premium 100% Acrylic Interior Flat W/B	1	Gallon(GAL)	04-Jun-19
V0000032B1	-	Avalon Premium 100% Acrylic Interior Flat W/B	1	Gallon(GAL)	04-Jun-19
V0000032B8	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	04-Jun-19
V0000032BD	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	04-Jun-19
V0000032BC	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	04-Jun-19
V0000032BB	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	04-Jun-19
V0000032B7	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	04-Jun-19
V0000032B9	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	04-Jun-19
V0000032BE	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	04-Jun-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V0000032BA	-	SHEETROCK EASY SAND Lightweight Setting Type	18	Pounds(LB)	04-Jun-19
V0000032C2	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	04-Jun-19
V0000032C9	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	04-Jun-19
V0000032C7	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	04-Jun-19
V0000032C8	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	04-Jun-19
V0000032C6	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	04-Jun-19
V0000032C5	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	04-Jun-19
V0000032C4	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	04-Jun-19
V0000032C3	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	04-Jun-19
V0000032C0	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	04-Jun-19
V0000032BF	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	04-Jun-19
V0000032C1	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	04-Jun-19
V0000032CD	-	Avalon Premium 100% Acrylic Interior Satin	5	Gallon(GAL)	04-Jun-19
V0000032CA	-	Avalon Premium 100% Acrylic Interior Satin	5	Gallon(GAL)	04-Jun-19
V0000032CB	-	Avalon Premium 100% Acrylic Interior Satin	5	Gallon(GAL)	04-Jun-19
V0000032CC	-	Avalon Premium 100% Acrylic Interior Satin	5	Gallon(GAL)	04-Jun-19
0001599436	-	MOLD RELEASE 225	1	Gallon(GAL)	04-Jun-19
0001599438	-	MEGAPOSIT PHOTO RESIST	1	Quarts(QT)	04-Jun-19
0001599449	-	ISOPROPANOL	16	Liters(L)	04-Jun-19
0001599451	-	ISOPROPANOL	16	Liters(L)	04-Jun-19
0001599452	-	ISOPROPANOL	16	Liters(L)	04-Jun-19
0001599450	-	ISOPROPANOL	16	Liters(L)	04-Jun-19
0001599412	115-86-6	SR-10 P400SR Soluble Support Material	918	Gram(GM)	04-Jun-19
0001599415	115-86-6	SR-10 P400SR Soluble Support Material	918	Gram(GM)	04-Jun-19
0001599414	115-86-6	SR-10 P400SR Soluble Support Material	918	Gram(GM)	04-Jun-19
0001599413	115-86-6	SR-10 P400SR Soluble Support Material	918	Gram(GM)	04-Jun-19
0001599416	9003-56-9	ABS-M P430 White	918	Gram(GM)	04-Jun-19
0001599417	9003-56-9	ABS-M P430 White	918	Gram(GM)	04-Jun-19
0001599418	9003-56-9	ABS-M P430 White	918	Gram(GM)	04-Jun-19
V0000032D1	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	04-Jun-19
V0000032CE	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	04-Jun-19
V0000032CF	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	04-Jun-19
V0000032D0	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	04-Jun-19
V0000032D2	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	04-Jun-19
V0000032D3	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	04-Jun-19
V0000032D4	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	04-Jun-19
V0000032D5	-	Avalon Premium 100% Acrylic Interior Satin W/B	5	Gallon(GAL)	04-Jun-19
0001599419	9003-56-9	ABS-M P430 Black	918	Gram(GM)	04-Jun-19
0001599421	9003-56-9	ABS-M P430 Black	918	Gram(GM)	04-Jun-19
0001599420	9003-56-9	ABS-M P430 Black	918	Gram(GM)	04-Jun-19
0001599422	70197-13-6	METHYLTRIOXORHENIUM(VII)	5	Gram(GM)	04-Jun-19
0001599423	7440-55-3	GALLIUM INGOTS	500	Gram(GM)	04-Jun-19
0001599424	7440-55-3	GALLIUM INGOTS	500	Gram(GM)	04-Jun-19
V0000032D7	-	Avalon Premium 100% Acrylic Interior Flat W/B	1	Gallon(GAL)	04-Jun-19
V0000032D9	-	Avalon Premium 100% Acrylic Interior Flat W/B	1	Gallon(GAL)	04-Jun-19
V0000032D8	-	Avalon Premium 100% Acrylic Interior Flat W/B	1	Gallon(GAL)	04-Jun-19
V0000032D6	-	Avalon Premium 100% Acrylic Interior Flat W/B	1	Gallon(GAL)	04-Jun-19
V0000032DA	-	Avalon Premium 100% Acrylic Interior Flat W/B	1	Gallon(GAL)	04-Jun-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001599425	1310-58-3	POTASSIUM HYDROXIDE	100	Milliliter(ML)	04-Jun-19
0001599432	1310-58-3	POTASSIUM HYDROXIDE	100	Milliliter(ML)	04-Jun-19
0001599431	1310-58-3	POTASSIUM HYDROXIDE	100	Milliliter(ML)	04-Jun-19
0001599433	1310-58-3	POTASSIUM HYDROXIDE	100	Milliliter(ML)	04-Jun-19
0001599426	1310-58-3	POTASSIUM HYDROXIDE	100	Milliliter(ML)	04-Jun-19
0001599429	1310-58-3	POTASSIUM HYDROXIDE	100	Milliliter(ML)	04-Jun-19
0001599428	1310-58-3	POTASSIUM HYDROXIDE	100	Milliliter(ML)	04-Jun-19
0001599427	1310-58-3	POTASSIUM HYDROXIDE	100	Milliliter(ML)	04-Jun-19
0001599434	1310-58-3	POTASSIUM HYDROXIDE	100	Milliliter(ML)	04-Jun-19
0001599430	1310-58-3	POTASSIUM HYDROXIDE	100	Milliliter(ML)	04-Jun-19
V0000032DC	-	Zinsser BULLS EYE 1-2-3	1	Gallon(GAL)	04-Jun-19
V0000032DB	-	Zinsser BULLS EYE 1-2-3	1	Gallon(GAL)	04-Jun-19
0001599435	497-19-8	SODIUM CARBONATE	2500	Kilograms(KG)	04-Jun-19
0001545825	-	Finium DTM-AT S/G Acrylic W/B	1	Gallon(GAL)	04-Jun-19
0001545829	-	Finium DTM-AT S/G Acrylic W/B	1	Gallon(GAL)	04-Jun-19
0001545830	-	Finium DTM-AT S/G Acrylic W/B	1	Gallon(GAL)	04-Jun-19
0001545826	-	Finium DTM-AT S/G Acrylic W/B	1	Gallon(GAL)	04-Jun-19
0001545828	-	Finium DTM-AT S/G Acrylic W/B	1	Gallon(GAL)	04-Jun-19
0001545827	-	Finium DTM-AT S/G Acrylic W/B	1	Gallon(GAL)	04-Jun-19
0001545831	-	Finium DTM-AT S/G Acrylic D/B	1	Gallon(GAL)	04-Jun-19
0001545832	-	Finium DTM-AT S/G Acrylic D/B	1	Gallon(GAL)	04-Jun-19
0001545836	-	Finium DTM-AT S/G Acrylic D/B	1	Gallon(GAL)	04-Jun-19
0001545835	-	Finium DTM-AT S/G Acrylic D/B	1	Gallon(GAL)	04-Jun-19
0001545834	-	Finium DTM-AT S/G Acrylic D/B	1	Gallon(GAL)	04-Jun-19
0001545833	-	Finium DTM-AT S/G Acrylic D/B	1	Gallon(GAL)	04-Jun-19
0001545837	-	XIM 400W WHITE PRIMER SEALER BONDER	1	Gallon(GAL)	04-Jun-19
0001545841	-	XIM 400W WHITE PRIMER SEALER BONDER	1	Gallon(GAL)	04-Jun-19
0001545845	-	XIM 400W WHITE PRIMER SEALER BONDER	1	Gallon(GAL)	04-Jun-19
0001545846	-	XIM 400W WHITE PRIMER SEALER BONDER	1	Gallon(GAL)	04-Jun-19
0001545840	-	XIM 400W WHITE PRIMER SEALER BONDER	1	Gallon(GAL)	04-Jun-19
0001545838	-	XIM 400W WHITE PRIMER SEALER BONDER	1	Gallon(GAL)	04-Jun-19
0001545839	-	XIM 400W WHITE PRIMER SEALER BONDER	1	Gallon(GAL)	04-Jun-19
0001545843	-	XIM 400W WHITE PRIMER SEALER BONDER	1	Gallon(GAL)	04-Jun-19
0001545842	-	XIM 400W WHITE PRIMER SEALER BONDER	1	Gallon(GAL)	04-Jun-19
0001545844	-	XIM 400W WHITE PRIMER SEALER BONDER	1	Gallon(GAL)	04-Jun-19
0001545847	-	Ultratane Butane Fuel	145	Gram(GM)	04-Jun-19
0001599437	1333-86-4	Carbon mesoporous	5	Gram(GM)	04-Jun-19
V000003303	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V0000032E0	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V000003309	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V000003302	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V0000032F2	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V000003304	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V0000032E4	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V0000032F1	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V0000032E3	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V0000032E2	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V0000032E1	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
V0000032DF	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V0000032DE	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V0000032DD	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V00000330C	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V0000032E5	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V00000330A	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V0000032F4	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V000003308	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V000003307	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V000003306	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V000003305	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V00000330B	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V0000032FB	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V0000032FF	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V000003300	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V0000032FD	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V000003301	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V0000032FC	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V0000032F0	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V0000032EF	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V0000032EE	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V0000032ED	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V0000032EC	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V0000032EB	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V0000032E8	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V0000032E9	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V0000032E6	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V0000032FA	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V0000032F9	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V0000032F8	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V0000032F7	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V0000032F6	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V0000032F5	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V0000032FE	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V0000032F3	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V0000032E7	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
V0000032EA	-	ARDEX FEATHER FINISH	10	Pounds(LB)	04-Jun-19
0001545853	-	Excelsior Acrylic Wet Set	1	Gallon(GAL)	04-Jun-19
0001545854	-	Excelsior Acrylic Wet Set	1	Gallon(GAL)	04-Jun-19
0001545860	-	Excelsior Acrylic Wet Set	1	Gallon(GAL)	04-Jun-19
0001545861	-	Excelsior Acrylic Wet Set	1	Gallon(GAL)	04-Jun-19
0001545856	-	Excelsior Acrylic Wet Set	1	Gallon(GAL)	04-Jun-19
0001545858	-	Excelsior Acrylic Wet Set	1	Gallon(GAL)	04-Jun-19
0001545859	-	Excelsior Acrylic Wet Set	1	Gallon(GAL)	04-Jun-19
0001545862	-	Excelsior Acrylic Wet Set	1	Gallon(GAL)	04-Jun-19
0001545855	-	Excelsior Acrylic Wet Set	1	Gallon(GAL)	04-Jun-19
0001545857	-	Excelsior Acrylic Wet Set	1	Gallon(GAL)	04-Jun-19
0001545863	-	HENRY 430	4	Gallon(GAL)	04-Jun-19

Chemical Usage January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001545865	-	HENRY 430	4	Gallon(GAL)	04-Jun-19
0001545864	-	HENRY 430	4	Gallon(GAL)	04-Jun-19

ATTACHMENT A907.B.a.

Chemical Usage

RLUOB-CHEM Chemical Purchases from ChemDB

RLUOB-CHEM Chemical Purchases January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001514657	1310-73-2	SODIUM HYDROXIDE	500	Milliliter(ML)	04-Jan-19
0001514658	1310-73-2	LANL-5	500	Milliliter(ML)	04-Jan-19
0001500850	-	SHEETROCK EASY SAND Lightweight Setting Type Joint Compound 5 20 45 90 210	18	Pounds(LB)	07-Jan-19
0001563083	-	Nitrogen UHP	220	Cubic Feet(CF)	10-Jan-19
0001563081	-	Nitrogen UHP	220	Cubic Feet(CF)	10-Jan-19
0001563167	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563141	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563142	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563143	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563144	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563145	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563146	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563147	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563148	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563149	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563140	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563151	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563137	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563168	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563169	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563170	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563173	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563175	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19

RLUOB-CHEM Chemical Purchases January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001563177	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563178	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563179	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563181	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563150	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563138	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001563139	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	10-Jan-19
0001515608	7761-88-8	SILVER NITRATE	1	Liters(L)	14-Jan-19
0001514987	-	LANL-CAL-2B	125	Milliliter(ML)	14-Jan-19
0001514988	-	LANL-CAL-3	125	Milliliter(ML)	14-Jan-19
0001514990	-	LANL-CAL-5	125	Milliliter(ML)	14-Jan-19
0001514992	-	LANL-CAL-6A	125	Milliliter(ML)	14-Jan-19
0001514732	-	LANL-CAL-2B	125	Milliliter(ML)	16-Jan-19
0001514736	-	LANL-CAL-3	125	Milliliter(ML)	16-Jan-19
0001514738	-	LANL-CAL-5	125	Milliliter(ML)	16-Jan-19
0001514743	-	LANL-CAL-6A	125	Milliliter(ML)	16-Jan-19
0001514747	-	LANL-CCS-1A	125	Milliliter(ML)	16-Jan-19
0001514749	-	LANL-CCS-4	125	Milliliter(ML)	16-Jan-19
0001514751	-	LANL-CCS-5	125	Milliliter(ML)	16-Jan-19
0001514753	-	LANL-CCS-6	125	Milliliter(ML)	16-Jan-19
0001563444	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563450	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563449	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563448	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563447	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563453	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563452	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563454	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563446	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19

RLUOB-CHEM Chemical Purchases January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001563445	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563451	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563442	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563441	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563455	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563443	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	25-Jan-19
0001563492	-	Argon UHP	220	Cubic Feet(CF)	25-Jan-19
0001563495	-	Argon UHP	220	Cubic Feet(CF)	25-Jan-19
0001563757	-	Argon UHP	220	Cubic Feet(CF)	08-Feb-19
0001563898	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	12-Feb-19
0001563909	7440-37-1	ARGON ULTRA HIGH PURITY	220	Cubic Feet(CF)	12-Feb-19
0001517524	7664-39-3	HYDROFLUORIC ACID 48%	500	Milliliter(ML)	28-Feb-19
0001594729	7664-93-9	SULFURIC ACID	25	Liters(L)	04-Mar-19
0001594732	7664-93-9	SULFURIC ACID	25	Liters(L)	04-Mar-19
0001594733	7664-93-9	SULFURIC ACID	25	Liters(L)	04-Mar-19
0001594731	7664-93-9	SULFURIC ACID	25	Liters(L)	04-Mar-19
0001594730	7664-93-9	SULFURIC ACID	25	Liters(L)	04-Mar-19
0001517378	7664-93-9	SULFURIC ACID	2.5	Liters(L)	05-Mar-19
0001517379	7664-93-9	SULFURIC ACID	2.5	Liters(L)	05-Mar-19
0001384864	-	NIKAL PURE NICKEL ANTI-SEIZE LUBRICANT	1	Pounds(LB)	07-Mar-19
0001384866	-	NIKAL PURE NICKEL ANTI-SEIZE LUBRICANT	1	Pounds(LB)	07-Mar-19
0001384865	-	NIKAL PURE NICKEL ANTI-SEIZE LUBRICANT	1	Pounds(LB)	07-Mar-19
0001564263	74-98-6	PROPANE	50	Cubic Feet(CF)	07-Mar-19
0001564267	74-98-6	PROPANE	50	Cubic Feet(CF)	07-Mar-19
0001564320	7440-59-7	Helium UHP	220	Cubic Feet(CF)	07-Mar-19
0001564337	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	07-Mar-19
0001564341	7440-37-1	ARGON COMPRESSED	220	Cubic Feet(CF)	07-Mar-19
0001594784	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	1	Liters(L)	11-Mar-19
0001594785	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	1	Liters(L)	11-Mar-19
0001564513	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564517	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19

RLUOB-CHEM Chemical Purchases January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001564504	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564516	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564503	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564514	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564505	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564512	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564511	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564510	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564509	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564508	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564507	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564506	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564515	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	13-Mar-19
0001564569	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564573	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564574	-	Argon UHP	220	Cubic Feet(CF)	21-Mar-19
0001564835	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Mar-19
0001564842	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Mar-19
0001564849	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Mar-19
0001564848	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Mar-19
0001564847	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Mar-19
0001564846	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Mar-19
0001564845	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Mar-19
0001564843	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Mar-19

RLUOB-CHEM Chemical Purchases January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001564841	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Mar-19
0001564840	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Mar-19
0001564838	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Mar-19
0001564837	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Mar-19
0001564836	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Mar-19
0001564839	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Mar-19
0001564844	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	28-Mar-19
0001564718	7440-59-7	Helium UHP	220	Cubic Feet(CF)	28-Mar-19
0001514789	-	IRON PLASMA STANDARDS 1 000 PPM 10 000 PPM IN DILUTE NITRI	500	Milliliter(ML)	04-Apr-19
0001514790	-	IRON PLASMA STANDARDS 1 000 PPM 10 000 PPM IN DILUTE NITRI	500	Milliliter(ML)	04-Apr-19
0001564969	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	11-Apr-19
0001564973	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	11-Apr-19
0001564971	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	11-Apr-19
0001564970	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	11-Apr-19
0001564972	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	11-Apr-19
0001564990	-	5% HYDROGEN/95% ARGON	200	Cubic Feet(CF)	11-Apr-19
0001564986	-	5% HYDROGEN/95% ARGON	200	Cubic Feet(CF)	11-Apr-19
0001565015	7727-37-9	NITROGEN COMPRESSED GAS	220	Cubic Feet(CF)	11-Apr-19
0001565051	-	AIR COMPRESSED	220	Cubic Feet(CF)	11-Apr-19
0001565053	-	AIR COMPRESSED	220	Cubic Feet(CF)	11-Apr-19
0001596680	7722-84-1	HYDROGEN PEROXIDE 3%	1	Gallon(GAL)	15-Apr-19
0001596529	7440-55-3	GALLIUM METAL 99.99%	500	Gram(GM)	17-Apr-19
0001565092	-	Oxygen UHP	220	Cubic Feet(CF)	22-Apr-19
0001597331	-	TUNE UP SOLUTION	250	Milliliter(ML)	22-Apr-19
0001597332	7440-21-3	SILICON	100	Gram(GM)	22-Apr-19
0001595197	-	SAMARIUM POWDER	50	Gram(GM)	24-Apr-19
0001596822	7440-69-9	BISMUTH GRANULES	100	Gram(GM)	24-Apr-19
0001596823	7440-42-8	BORON POWDER	10	Gram(GM)	24-Apr-19

RLUOB-CHEM Chemical Purchases January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001596824	7440-45-1	CERIUM INGOT	250	Gram(GM)	24-Apr-19
0001596825	7440-48-4	COBALT POWDER	100	Gram(GM)	24-Apr-19
0001596826	7440-53-1	EUROPIUM	5	Gram(GM)	24-Apr-19
0001596827	7440-10-0	PRASEODYMIUM	10	Gram(GM)	24-Apr-19
0001596828	7439-95-4	MAGNESIUM TURNINGS	25	Gram(GM)	24-Apr-19
0001596829	7439-92-1	LEAD SHOT	250	Gram(GM)	24-Apr-19
0001596830	7440-20-2	SCANDIUM POWDER	2	Gram(GM)	24-Apr-19
0001596831	-	THULIUM PIECES	5	Gram(GM)	24-Apr-19
0001596832	-	Tin ingot	1	Kilograms(KG)	24-Apr-19
0001597614	7429-90-5	ALUMINUM SHOT	250	Gram(GM)	24-Apr-19
0001597615	7440-36-0	ANTIMONY PIECES	50	Gram(GM)	24-Apr-19
0001597616	7440-43-9	CADMIUM SHOT	50	Gram(GM)	24-Apr-19
0001597617	7440-50-8	COPPER POWDER	50	Gram(GM)	24-Apr-19
0001597618	7439-94-3	LUTETIUM	5	Gram(GM)	24-Apr-19
0001597619	7440-56-4	GERMANIUM PIECES	25	Gram(GM)	24-Apr-19
0001597620	7439-98-7	MOLYBDENUM POWDER	100	Gram(GM)	24-Apr-19
0001597621	-	Hafnium pieces	10	Gram(GM)	24-Apr-19
0001597623	-	YTTERBIUM INGOT	25	Gram(GM)	24-Apr-19
0001597624	7440-66-6	ZINC SHOT	50	Gram(GM)	24-Apr-19
0001597625	7440-62-2	VANADIUM	10	Gram(GM)	24-Apr-19
0001597778	7440-02-0	NICKEL POWDER	500	Gram(GM)	29-Apr-19
0001597808	-	TUNE UP SOLUTION	250	Milliliter(ML)	29-Apr-19
0001596833	-	Crystalbond 509	90	Gram(GM)	30-Apr-19
0001596834	-	Crystalbond 509	90	Gram(GM)	30-Apr-19
0001596835	-	Crystalbond 509	90	Gram(GM)	30-Apr-19
0001565470	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565474	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565475	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565476	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565472	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565463	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565471	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565469	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565468	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565467	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19

RLUOB-CHEM Chemical Purchases January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001565466	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565465	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565462	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565464	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001565473	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	03-May-19
0001598023	7440-47-3	CHROMIUM METAL PURE ELECTROLYTIC POWDER	25	Gram(GM)	03-May-19
0001597947	-	TORR SEAL EPOXY	118	Gram(GM)	06-May-19
0001597948	-	TORR SEAL EPOXY	118	Gram(GM)	06-May-19
0001597981	-	APIEZON N GREASE	25	Gram(GM)	06-May-19
0001597983	-	APIEZON N GREASE	25	Gram(GM)	06-May-19
0001597982	-	APIEZON N GREASE	25	Gram(GM)	06-May-19
0001598109	-	DOW CORNING(R) HIGH VACUUM GREASE	150	Gram(GM)	06-May-19
0001598110	-	DOW CORNING(R) HIGH VACUUM GREASE	150	Gram(GM)	06-May-19
0001598111	-	DOW CORNING(R) HIGH VACUUM GREASE	150	Gram(GM)	06-May-19
0001598162	-	METADI II DIAMOND POLISHING COMPOUND 3 MICRON	20	Gram(GM)	06-May-19
0001598163	-	METADI II DIAMOND POLISHING COMPOUND 3 MICRON	20	Gram(GM)	06-May-19
0001598164	-	DIAMOND POLISHING COMPOUND (METADI) 1 MICRON	20	Gram(GM)	06-May-19
0001598165	-	DIAMOND POLISHING COMPOUND (METADI) 1 MICRON	20	Gram(GM)	06-May-19
0001598166	-	METADI DIAMOND POLISHING COMPOUND (0.25 MICRON)	20	Gram(GM)	06-May-19
0001598167	-	METADI DIAMOND POLISHING COMPOUND (0.25 MICRON)	20	Gram(GM)	06-May-19
0001598177	-	5-MINUTE EPOXY	25	Milliliter(ML)	07-May-19
0001598178	-	5-MINUTE EPOXY	25	Milliliter(ML)	07-May-19
0001598179	-	5-MINUTE EPOXY	25	Milliliter(ML)	07-May-19
0001565590	7440-59-7	Helium UHP	220	Cubic Feet(CF)	07-May-19

RLUOB-CHEM Chemical Purchases January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001565593	7440-59-7	Helium UHP	220	Cubic Feet(CF)	07-May-19
0001565592	7440-59-7	Helium UHP	220	Cubic Feet(CF)	07-May-19
0001616065	-	Argon UHP	220	Cubic Feet(CF)	08-May-19
0001616062	-	Argon UHP	220	Cubic Feet(CF)	08-May-19
0001616064	-	Argon UHP	220	Cubic Feet(CF)	08-May-19
0001616136	-	95% NITROGEN/5% HYDROGEN	220	Cubic Feet(CF)	08-May-19
0001598274	7697-37-2	ICP Tuning Solution	500	Milliliter(ML)	16-May-19
0001616345	74-98-6	PROPANE	50	Pounds(LB)	23-May-19
0001616344	74-98-6	PROPANE	50	Pounds(LB)	23-May-19
0001616338	74-98-6	PROPANE	50	Pounds(LB)	23-May-19
0001616383	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	30-May-19
0001616431	-	Argon UHP	220	Cubic Feet(CF)	30-May-19
0001616433	-	Argon UHP	220	Cubic Feet(CF)	30-May-19
0001599495	7697-37-2	NITRIC ACID OPTIMA	2	Liters(L)	10-Jun-19
0001599562	7664-38-2	PHOSPHORIC ACID 85%	2.5	Liters(L)	10-Jun-19
0001598410	-	Custom Solution in 10%	125	Milliliter(ML)	11-Jun-19
0001598411	-	Custom Solution in 10%	125	Milliliter(ML)	11-Jun-19
0001598412	-	Custom Solution in 10%	125	Milliliter(ML)	11-Jun-19
0001598413	-	Custom Solution in 10%	125	Milliliter(ML)	11-Jun-19
0001598416	-	MULTI ELEMENT STANDARD	125	Milliliter(ML)	11-Jun-19
0001598417	-	MULTI ELEMENT STANDARD	125	Milliliter(ML)	11-Jun-19
0001598418	-	CUSTOM SOLUTION IN 5%	125	Milliliter(ML)	11-Jun-19
0001598419	-	RHODIUM STANDARD SOLUTION	125	Milliliter(ML)	11-Jun-19
0001598420	-	SCANDIUM STANDARD	125	Milliliter(ML)	11-Jun-19
0001616926	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	11-Jun-19
0001616936	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	11-Jun-19
0001616931	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	11-Jun-19
0001616937	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	11-Jun-19
0001616935	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	11-Jun-19
0001616934	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	11-Jun-19
0001616938	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	11-Jun-19
0001616933	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	11-Jun-19
0001616939	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	11-Jun-19

RLUOB-CHEM Chemical Purchases January - June 2019

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001616932	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	11-Jun-19
0001616930	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	11-Jun-19
0001616929	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	11-Jun-19
0001616927	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	11-Jun-19
0001616925	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	11-Jun-19
0001616928	-	P-10 (90% ARGON 10% METHANE)	220	Cubic Feet(CF)	11-Jun-19
0001600263	7440-03-1	NIOBIUM	50	Gram(GM)	12-Jun-19
0001600399	7697-37-2	NITRIC ACID	2.5	Liters(L)	17-Jun-19
0001600416	7440-44-0	CARBON	1	Kilograms(KG)	17-Jun-19
0001600647	13590-82-4	CERIC SULFATE	1	Liters(L)	19-Jun-19
0001617113	7440-59-7	Helium UHP	220	Cubic Feet(CF)	20-Jun-19
0001617118	7440-59-7	Helium UHP	220	Cubic Feet(CF)	20-Jun-19
0001617275	74-98-6	PROPANE	11	Pounds(LB)	28-Jun-19
0001617277	74-98-6	PROPANE	11	Pounds(LB)	28-Jun-19
0001617276	74-98-6	PROPANE	11	Pounds(LB)	28-Jun-19

ATTACHMENT A907.B.b.

Chemical Usage

RLUOB-CHEM Chemical Quantity Total

RLUOB-CHEM Chemical Totals January - June 2019

2019 CMRR-RLUOB HAPs Monthly Emission Rates (lbs)

Cas Number	Chemical Name	January	February	March	April	May	June	July	August	September	October	November	December
107-21-1	Ethylene Glycol	0	0	0	0	0	0						
110-54-3	Hexane	0	0	0	0	0	0						
7664-39-3	Hydrogen Fluoride	0	0	0	0	0	0						
7647-01-0	Hydrochloric Acid	0	0	4.63	0	0	0						
67-56-1	Methyl Alcohol	0	0	0	0	0	0						
75-09-2	Methylene Chloride	0	0	0	0	0	0						
100-42-5	Styrene	0	0	0	0	0	0						
108-88-3	Toluene	0	0	0	0	0	0						
Nickel	Nickel Compounds	0	0	0	0	0	0						
Chromium	Chromium Compounds	0	0	0	0	0.06	0						
		0	0	0	0	0	0						
		0	0	0	0	0	0						
		0	0	0	0	0	0						
		0	0	0	0	0	0						
HAPs Monthly Total		0	0	4.63	0	0.06	0						

2019 CMRR-RLUOB HAPS 12-Month Rolling Total (lb)

Cas Number	Chemical Name	January	February	March	April	May	June	July	August	September	October	November	December
107-21-1	Ethylene Glycol	0	0	0	0	0	0						
110-54-3	Hexane	0	0	0	0	0	0						
7664-39-3	Hydrogen Fluoride	0.55	0.55	0	0	0	0						
7647-01-0	Hydrochloric Acid	24.31	15.05	10.42	4.63	4.63	4.63						
67-56-1	Methyl Alcohol	0	0	0	0	0	0						
75-09-2	Methylene Chloride	0	0	0	0	0	0						
100-42-5	Styrene	0	0	0	0	0	0						
108-88-3	Toluene	0	0	0	0	0	0						
Nickel	Nickel Compounds	0	0	0	0	0	0						
Chromium	Chromium Compounds	0	0	0	0	0.06	0.06						
		0	0	0	0	0	0						
		0	0	0	0	0	0						
		0	0	0	0	0	0						
		0	0	0	0	0	0						
TAPs 12 Month Rolling Total		24.86	15.6	10.42	4.63	4.69	4.69						

RLUOB-CHEM Chemical Totals January - June 2019

2019 CMRR-RLUOB TAPs Monthly Emission Rates (lb)

	January	February	March	April	May	June	July	August	September	October	November	December
Total TAPs	1.65	0.00	71.03	2.43	1.72	25.44						
TAPs 12 Month Rolling Total	97.44	70.09	119.53	117.20	118.92	124.35						

2019 CMRR-RLUOB VOC Monthly Emission Rates (lb)

	January	February	March	April	May	June	July	August	September	October	November	December
Total VOC	0.00	0.00	0.00	0.00	0.00	0.00						
VOC 12 Month Rolling Total	6.78	6.78	2.32	0.00	0.00	0.00						

ATTACHMENT A1007.A.a.

Degreaser

Degreaser Solvent Usage from Tracking Database

Degreaser Solvent Usage
January – June 2019

Emission Unit	TA/Building	Type of Degreaser	Solvent
TA-55-DG-1	TA-55	Cold Batch	3M Novec Engineered Fluid 72DE

Date Measured	Initial Solvent Level (inches)	Volume Added (liters)	Level Added (inches)	Volume Removed (liters)	Level Removed (inches)
Jan-29-2019	8.00	0.00	0.00	0.00	0.00
Feb-25-2019	7.00	1.97	1.00	0.00	0.00
Mar-21-2019	7.00	1.97	1.00	0.00	0.00
Apr-22-2019	7.00	3.93	2.00	0.00	0.00
May-28-2019	7.00	1.97	1.00	0.00	0.00
Jun-18-2019	6.00	1.97	1.00	0.00	0.00

ATTACHMENT A1007.A.b.

Degreaser

Completed Work Practice Checklist

MONTHLY WORK PRACTICE CHECK LIST
TA-55-DG-1 DEGREASER

R 04/20/2015

Date of Action: 1/29/19	**Location of Source : (TA/BLDG/Room) TA-55-PF4-319**

Monitoring Requirements(A1007.A[1]):	**Yes/No**	**Comments**
1. Does the operator monitor and record the amount of solvent added to the degreaser?	Yes	
Recordkeeping Requirements (A1007.A[1])	**Yes/No**	**Comments**
1. Are the actual emissions rate (pounds/month) of VOC and HAPS based on the quantity of solvent lost to evaporation calculated on a monthly basis?	Yes	Emissions are calculated using the Degreaser Compliance Database by air quality compliance personnel.
2. Are the semi-annual emissions rate (tons/year) calculated for this source category and added to the facility-wide emissions rates in Table 106.B (Facility-wide Allowable Emissions)?	Yes	Emissions are calculated using the Degreaser Compliance Database by air quality compliance personnel.
3. Does the operator maintain records of the degreaser solvent content?	Yes	
4. Does the operator maintain work practice checklists?	Yes	
5. Does the operator maintain records in accordance with Section B109, General Recordkeeping Requirements?	Yes	
Operational Requirements (A1007.A[1])	**Yes/No**	**Comments**
1. Does the operator ensure the degreaser is closed with a tight fitting cover whenever not in use?	Yes	
2. Does the operator maintain a freeboard ratio of 0.75 or greater?	Yes	Glove box is included in freeboard ratio determination.
3. Does the operator ensure that all collected and stored waste solvent and wipe rags are placed in closed containers?	Yes	
4. Does the operator ensure that flushing is performed only within the freeboard area only?	Yes	All rinsing is performed within the freeboard area.
5. Does the operator allow cleaned parts to drip for 15 seconds or until dripping stops (whichever is longer)?	Yes	
6. Does the operator ensure that the solvent level does not exceed the fill line on the solvent level?	Yes	
7. Does the operator ensure that all spills are wiped up immediately?	Yes	
8. Does the operator ensure that there is no creation of observable splashing with agitation device?	N/A	An air or pump agitated solvent bath is not used.

MONTHLY WORK PRACTICE CHECK LIST
TA-55-DG-1 DEGREASER

R 04/20/2015

Operational Requirements (A1007.A[1]) continued	Yes/No	Comments
9. Does the operator ensure that the degreaser is not exposed to drafts greater than 40 meters per minute (132 feet per minute)?	Yes	Glove box air flow rates based on system design descriptions average between 5 acfm (normal operating) up to 40 acfm maximum for a single glove box.
10. Does the operator ensure that no sponges, fabric, wood or paper products are cleaned in the degreaser?	Yes	

Notification Requirements: If any of the boxes were checked with "No", please contact Air Quality Compliance Personnel at 665-1338.

Comments:

Form completed by:

Signature	Name (print)	Z number	Date
Arsenio Salazar	Arsenio Salazar	163479	1/29/19

The permit section or condition noted at the end of each requirement is from the following reference:

[1] Title V Operating Permit No: P100-R2

All required documentation must be kept for a minimum of 5 years from the date it was gathered or from the date of the operating permit issuance (February 27, 2015).

At the end of each assessment period this form must be filed as an official record.

MONTHLY WORK PRACTICE CHECK LIST
TA-55-DG-1 DEGREASER

R 04/20/2015

Date of Action: 2/28/19	**Location of Source :** (TA/BLDG/Room) TA-55-PF4-319

Monitoring Requirements(A1007.A[1]):	**Yes/No**	**Comments**
1. Does the operator monitor and record the amount of solvent added to the degreaser?	Yes	
Recordkeeping Requirements (A1007.A[1])	**Yes/No**	**Comments**
1. Are the actual emissions rate (pounds/month) of VOC and HAPS based on the quantity of solvent lost to evaporation calculated on a monthly basis?	Yes	Emissions are calculated using the Degreaser Compliance Database by air quality compliance personnel.
2. Are the semi-annual emissions rate (tons/year) calculated for this source category and added to the facility-wide emissions rates in Table 106.B (Facility-wide Allowable Emissions)?	Yes	Emissions are calculated using the Degreaser Compliance Database by air quality compliance personnel.
3. Does the operator maintain records of the degreaser solvent content?	Yes	
4. Does the operator maintain work practice checklists?	Yes	
5. Does the operator maintain records in accordance with Section B109, General Recordkeeping Requirements?	Yes	
Operational Requirements (A1007.A[1])	**Yes/No**	**Comments**
1. Does the operator ensure the degreaser is closed with a tight fitting cover whenever not in use?	Yes	
2. Does the operator maintain a freeboard ratio of 0.75 or greater?	Yes	Glove box is included in freeboard ratio determination.
3. Does the operator ensure that all collected and stored waste solvent and wipe rags are placed in closed containers?	Yes	
4. Does the operator ensure that flushing is performed only within the freeboard area only?	Yes	All rinsing is performed within the freeboard area.
5. Does the operator allow cleaned parts to drip for 15 seconds or until dripping stops (whichever is longer)?	Yes	
6. Does the operator ensure that the solvent level does not exceed the fill line on the solvent level?	Yes	
7. Does the operator ensure that all spills are wiped up immediately?	Yes	
8. Does the operator ensure that there is no creation of observable splashing with agitation device?	N/A	An air or pump agitated solvent bath is not used.

MONTHLY WORK PRACTICE CHECK LIST
TA-55-DG-1 DEGREASER

R 04/20/2015

Operational Requirements (A1007.A[1]) continued	Yes/No	Comments
9. Does the operator ensure that the degreaser is not exposed to drafts greater than 40 meters per minute (132 feet per minute)?	Yes	Glove box air flow rates based on system design descriptions average between 5 acfm (normal operating) up to 40 acfm maximum for a single glove box.
10. Does the operator ensure that no sponges, fabric, wood or paper products are cleaned in the degreaser?	Yes	

Notification Requirements: If any of the boxes were checked with "No", please contact Air Quality Compliance Personnel at 665-1338.

Comments:

Form completed by:

Signature	Name (print)	Z number	Date
[signature]	Arsenio Salazar	163479	2/28/19

The permit section or condition noted at the end of each requirement is from the following reference:

[1] Title V Operating Permit No: P100-R2

All required documentation must be kept for a minimum of 5 years from the date it was gathered or from the date of the operating permit issuance (February 27, 2015).

At the end of each assessment period this form must be filed as an official record.

MONTHLY WORK PRACTICE CHECK LIST
TA-55-DG-1 DEGREASER

R 04/20/2015

Date of Action: 3/27/19	Location of Source : (TA/BLDG/Room) TA-55-PF4-319

Monitoring Requirements(A1007.A[1]):	Yes/No	Comments
1. Does the operator monitor and record the amount of solvent added to the degreaser?	Yes	
Recordkeeping Requirements (A1007.A[1])	**Yes/No**	**Comments**
1. Are the actual emissions rate (pounds/month) of VOC and HAPS based on the quantity of solvent lost to evaporation calculated on a monthly basis?	Yes	Emissions are calculated using the Degreaser Compliance Database by air quality compliance personnel.
2. Are the semi-annual emissions rate (tons/year) calculated for this source category and added to the facility-wide emissions rates in Table 106.B (Facility-wide Allowable Emissions)?	Yes	Emissions are calculated using the Degreaser Compliance Database by air quality compliance personnel.
3. Does the operator maintain records of the degreaser solvent content?	Yes	
4. Does the operator maintain work practice checklists?	Yes	
5. Does the operator maintain records in accordance with Section B109, General Recordkeeping Requirements?	Yes	
Operational Requirements (A1007.A[1])	**Yes/No**	**Comments**
1. Does the operator ensure the degreaser is closed with a tight fitting cover whenever not in use?	Yes	
2. Does the operator maintain a freeboard ratio of 0.75 or greater?	Yes	Glove box is included in freeboard ratio determination.
3. Does the operator ensure that all collected and stored waste solvent and wipe rags are placed in closed containers?	Yes	
4. Does the operator ensure that flushing is performed only within the freeboard area only?	Yes	All rinsing is performed within the freeboard area.
5. Does the operator allow cleaned parts to drip for 15 seconds or until dripping stops (whichever is longer)?	Yes	
6. Does the operator ensure that the solvent level does not exceed the fill line on the solvent level?	Yes	
7. Does the operator ensure that all spills are wiped up immediately?	Yes	
8. Does the operator ensure that there is no creation of observable splashing with agitation device?	N/A	An air or pump agitated solvent bath is not used.

MONTHLY WORK PRACTICE CHECK LIST
TA-55-DG-1 DEGREASER

R 04/20/2015

Operational Requirements (A1007.A[1]) continued	Yes/No	Comments
9. Does the operator ensure that the degreaser is not exposed to drafts greater than 40 meters per minute (132 feet per minute)?	Yes	Glove box air flow rates based on system design descriptions average between 5 acfm (normal operating) up to 40 acfm maximum for a single glove box.
10. Does the operator ensure that no sponges, fabric, wood or paper products are cleaned in the degreaser?	Yes	

Notification Requirements: If any of the boxes were checked with "No", please contact Air Quality Compliance Personnel at 665-1338.

Comments:

Form completed by:

Signature	Name (print)	Z number	Date
S	Arsenio Salazar	163479	3/27/15

The permit section or condition noted at the end of each requirement is from the following reference:

[1] Title V Operating Permit No: P100-R2

All required documentation must be kept for a minimum of 5 years from the date it was gathered or from the date of the operating permit issuance (February 27, 2015).

At the end of each assessment period this form must be filed as an official record.

MONTHLY WORK PRACTICE CHECK LIST
TA-55-DG-1 DEGREASER

R 04/20/2015

Date of Action: 4/30/19	**Location of Source :** (TA/BLDG/Room) TA-55-PF4-319

Monitoring Requirements(A1007.A[1]):	**Yes/No**	**Comments**
1. Does the operator monitor and record the amount of solvent added to the degreaser?	Yes	
Recordkeeping Requirements (A1007.A[1])	**Yes/No**	**Comments**
1. Are the actual emissions rate (pounds/month) of VOC and HAPS based on the quantity of solvent lost to evaporation calculated on a monthly basis?	Yes	Emissions are calculated using the Degreaser Compliance Database by air quality compliance personnel.
2. Are the semi-annual emissions rate (tons/year) calculated for this source category and added to the facility-wide emissions rates in Table 106.B (Facility-wide Allowable Emissions)?	Yes	Emissions are calculated using the Degreaser Compliance Database by air quality compliance personnel.
3. Does the operator maintain records of the degreaser solvent content?	Yes	
4. Does the operator maintain work practice checklists?	Yes	
5. Does the operator maintain records in accordance with Section B109, General Recordkeeping Requirements?	Yes	
Operational Requirements (A1007.A[1])	**Yes/No**	**Comments**
1. Does the operator ensure the degreaser is closed with a tight fitting cover whenever not in use?	Yes	
2. Does the operator maintain a freeboard ratio of 0.75 or greater?	Yes	Glove box is included in freeboard ratio determination.
3. Does the operator ensure that all collected and stored waste solvent and wipe rags are placed in closed containers?	Yes	
4. Does the operator ensure that flushing is performed only within the freeboard area only?	Yes	All rinsing is performed within the freeboard area.
5. Does the operator allow cleaned parts to drip for 15 seconds or until dripping stops (whichever is longer)?	Yes	
6. Does the operator ensure that the solvent level does not exceed the fill line on the solvent level?	Yes	
7. Does the operator ensure that all spills are wiped up immediately?	Yes	
8. Does the operator ensure that there is no creation of observable splashing with agitation device?	N/A	An air or pump agitated solvent bath is not used.

MONTHLY WORK PRACTICE CHECK LIST
TA-55-DG-1 DEGREASER

R 04/20/2015

Operational Requirements (A1007.A[1]) continued	Yes/No	Comments
9. Does the operator ensure that the degreaser is not exposed to drafts greater than 40 meters per minute (132 feet per minute)?	Yes	Glove box air flow rates based on system design descriptions average between 5 acfm (normal operating) up to 40 acfm maximum for a single glove box.
10. Does the operator ensure that no sponges, fabric, wood or paper products are cleaned in the degreaser?	Yes	

Notification Requirements: If any of the boxes were checked with "No", please contact Air Quality Compliance Personnel at 665-1338.

Comments:

Form completed by:

Signature	Name (print)	Z number	Date
S	Arturo Salazar	163479	4/30/19

The permit section or condition noted at the end of each requirement is from the following reference:

[1] Title V Operating Permit No: P100-R2

All required documentation must be kept for a minimum of 5 years from the date it was gathered or from the date of the operating permit issuance (February 27, 2015).

At the end of each assessment period this form must be filed as an official record.

MONTHLY WORK PRACTICE CHECK LIST
TA-55-DG-1 DEGREASER

R 04/20/2015

Date of Action: 5/30/19	**Location of Source : (TA/BLDG/Room) TA-55-PF4-319**

Monitoring Requirements(A1007.A[1]):	**Yes/No**	**Comments**
1. Does the operator monitor and record the amount of solvent added to the degreaser?	Yes	
Recordkeeping Requirements (A1007.A[1])	**Yes/No**	**Comments**
1. Are the actual emissions rate (pounds/month) of VOC and HAPS based on the quantity of solvent lost to evaporation calculated on a monthly basis?	Yes	Emissions are calculated using the Degreaser Compliance Database by air quality compliance personnel.
2. Are the semi-annual emissions rate (tons/year) calculated for this source category and added to the facility-wide emissions rates in Table 106.B (Facility-wide Allowable Emissions)?	Yes	Emissions are calculated using the Degreaser Compliance Database by air quality compliance personnel.
3. Does the operator maintain records of the degreaser solvent content?	Yes	
4. Does the operator maintain work practice checklists?	Yes	
5. Does the operator maintain records in accordance with Section B109, General Recordkeeping Requirements?	Yes	
Operational Requirements (A1007.A[1])	**Yes/No**	**Comments**
1. Does the operator ensure the degreaser is closed with a tight fitting cover whenever not in use?	Yes	
2. Does the operator maintain a freeboard ratio of 0.75 or greater?	Yes	Glove box is included in freeboard ratio determination.
3. Does the operator ensure that all collected and stored waste solvent and wipe rags are placed in closed containers?	Yes	
4. Does the operator ensure that flushing is performed only within the freeboard area only?	Yes	All rinsing is performed within the freeboard area.
5. Does the operator allow cleaned parts to drip for 15 seconds or until dripping stops (whichever is longer)?	Yes	
6. Does the operator ensure that the solvent level does not exceed the fill line on the solvent level?	Yes	
7. Does the operator ensure that all spills are wiped up immediately?	Yes	
8. Does the operator ensure that there is no creation of observable splashing with agitation device?	N/A	An air or pump agitated solvent bath is not used.

MONTHLY WORK PRACTICE CHECK LIST
TA-55-DG-1 DEGREASER

R 04/20/2015

Operational Requirements (A1007.A[1]) continued	Yes/No	Comments
9. Does the operator ensure that the degreaser is not exposed to drafts greater than 40 meters per minute (132 feet per minute)?	Yes	Glove box air flow rates based on system design descriptions average between 5 acfm (normal operating) up to 40 acfm maximum for a single glove box.
10. Does the operator ensure that no sponges, fabric, wood or paper products are cleaned in the degreaser?	Yes	

Notification Requirements: If any of the boxes were checked with "No", please contact Air Quality Compliance Personnel at 665-1338.

Comments:

Form completed by:

Signature	Name (print)	Z number	Date
Arsenio Salazar	Arsenio Salazar	168479	5/30/19

The permit section or condition noted at the end of each requirement is from the following reference:

[1] Title V Operating Permit No: P100-R2

All required documentation must be kept for a minimum of 5 years from the date it was gathered or from the date of the operating permit issuance (February 27, 2015).

At the end of each assessment period this form must be filed as an official record.

MONTHLY WORK PRACTICE CHECK LIST
TA-55-DG-1 DEGREASER

R 04/20/2015

Date of Action: June 27, 2019	**Location of Source : (TA/BLDG/Room) TA-55-PF4-319**

Monitoring Requirements(A1007.A[1]):	**Yes/No**	**Comments**
1. Does the operator monitor and record the amount of solvent added to the degreaser?	Yes	
Recordkeeping Requirements (A1007.A[1])	**Yes/No**	**Comments**
1. Are the actual emissions rate (pounds/month) of VOC and HAPS based on the quantity of solvent lost to evaporation calculated on a monthly basis?	Yes	Emissions are calculated using the Degreaser Compliance Database by air quality compliance personnel.
2. Are the semi-annual emissions rate (tons/year) calculated for this source category and added to the facility-wide emissions rates in Table 106.B (Facility-wide Allowable Emissions)?	Yes	Emissions are calculated using the Degreaser Compliance Database by air quality compliance personnel.
3. Does the operator maintain records of the degreaser solvent content?	Yes	
4. Does the operator maintain work practice checklists?	Yes	
5. Does the operator maintain records in accordance with Section B109, General Recordkeeping Requirements?	Yes	
Operational Requirements (A1007.A[1])	**Yes/No**	**Comments**
1. Does the operator ensure the degreaser is closed with a tight fitting cover whenever not in use?	Yes	
2. Does the operator maintain a freeboard ratio of 0.75 or greater?	Yes	Glove box is included in freeboard ratio determination.
3. Does the operator ensure that all collected and stored waste solvent and wipe rags are placed in closed containers?	Yes	
4. Does the operator ensure that flushing is performed only within the freeboard area only?	Yes	All rinsing is performed within the freeboard area.
5. Does the operator allow cleaned parts to drip for 15 seconds or until dripping stops (whichever is longer)?	Yes	
6. Does the operator ensure that the solvent level does not exceed the fill line on the solvent level?	Yes	
7. Does the operator ensure that all spills are wiped up immediately?	Yes	
8. Does the operator ensure that there is no creation of observable splashing with agitation device?	N/A	An air or pump agitated solvent bath is not used.

MONTHLY WORK PRACTICE CHECK LIST
TA-55-DG-1 DEGREASER

R 04/20/2015

Operational Requirements (A1007.A[1]) continued	Yes/No	Comments
9. Does the operator ensure that the degreaser is not exposed to drafts greater than 40 meters per minute (132 feet per minute)?	Yes	Glove box air flow rates based on system design descriptions average between 5 acfm (normal operating) up to 40 acfm maximum for a single glove box.
10. Does the operator ensure that no sponges, fabric, wood or paper products are cleaned in the degreaser?	Yes	

Notification Requirements: If any of the boxes were checked with "No", please contact Air Quality Compliance Personnel at 665-1338.

Comments:

Form completed by:

Signature	Name (print)	Z number	Date
[signature]	Arsenio Salazar	163479	6/27/19

The permit section or condition noted at the end of each requirement is from the following reference:

[1] Title V Operating Permit No: P100-R2

All required documentation must be kept for a minimum of 5 years from the date it was gathered or from the date of the operating permit issuance (February 27, 2015).

At the end of each assessment period this form must be filed as an official record.

ATTACHMENT A1104.A.

Internal Combustion

TA-33-G-1-P Daily Operating Logs

Daily TA-33-G-1-P Cummins/ONAN/DFHD 1000 kW Generator Hour Log

This generator has the following air quality permit requirements:

This generator engine is authorized to operate **no more than eight (8) hours per day**.

This unit can **operate only between the hours of 7:00 AM and 5:00 PM**

The permittee shall monitor the time(s) of operation each day.

The permittee shall monitor and keep records of the time(s) of operation each day, and the daily, monthly, and the monthly rolling 12-month total hours of operation of the genset (LANL EPC-CP will maintain this)

Date	Time of operation		Hour Meter Reading		Hours of operation	Purpose	Operator/User Name
	Start Time	End Time	Start Reading	End Reading			
9/17/2018	1:00	1:30	696.2	696.7	0.5	Exercise	Randy Griego
9/18/2018	11:00	3:00	696.7	700.6	4.0	Maintenance	Randy Griego
9/19/2018	11:00	3:00	700.6	704.6	4.0	Maintenance	Randy Griego
9/20/2018	11:00	5:25	704.6	711.0	6.25	Maintenance	Randy Griego
10/18/2018	9:00	10:30	711.0	712.4	1.5	Maintenance	Randy Griego
2/7/2019	9:10	9:35	712.4	712.9	0.5	Maintenance	Randy Griego
3/17/2019	18:30	7:30 on 3/23/2019	712.9	845.3	132.4	Emergency Use, Power outage at TA-3-1698	Garry Schramm
5/29/2019	9:00	9:20	845.3	845.7	0.4	Maintenance	Randy Griego

Version January 2019 | Air Quality Permit P100-R2M3, Section A1104

Asked operators to note time of operation.

ATTACHMENT A1104.B.

Internal Combustion

Permitted Generator Hours

YEAR **2019**

Permitted Generators

										First Half			Second Half			Annual
Permit ID	*Location*	*ID #*	*Engine Make*	*Engine Model*	*Engine Serial #*	*Generator Rating kWe*	*Engine Rating kWm*	*Reading 2nd half of previous year*		*Reading Date*	*Reading*	*Hours Run*	*Month Reading*	*Reading*	*Hours Run*	*Hours Run*
TA-33-G-1P	TA-33-Port	G-0053	Cummins	QST30-G5	37199764	1000	1111.5	Dec-18	712.4	Jun-19	845.7	133.3	Dec-19			133.3
TA-33-G-2	TA-33-209	G-0008	Kohler/Yanmar	4TNE84T	52993	20	25	Dec-18	469.0	Jun-19	478.0	9.0	Dec-19			9.0
TA-33-G-3	TA-33-280	G-0010	Kohler/Yanmar	4TNE84T	52992	20	25	Dec-18	233.9	Jun-19	233.9	0.0	Dec-19			0.0
TA-33-G-4	TA-33-151	G-0007	Caterpillar	3306	8JJ00615	225	281.25	Dec-18	3787.0	Jun-19	3792.0	5.0	Dec-19			5.0
RLUOB-GEN-1	TA-55-585	G-0058	Cummins	KTA50G9	25314401	1500	1656.1	Dec-18	222.0	Jun-19	222.2	0.2	Dec-19			0.2
RLUOB-GEN-2	TA-55-584	G-0059	Cummins	KTA50G9	25314399	1500	1656.1	Dec-18	225.2	Jun-19	239.8	14.6	Dec-19			14.6
RLUOB-GEN-3	TA-55-583	G-0060	Cummins	KTA50G9	33165566	1500	1656.1	Dec-18	185.9	Jun-19	198.0	12.1	Dec-19			12.1
TA-48-GEN-1	TA-48-1	G-0067	Cummins	QSB7-G3 NR3	73176927	150	186	Dec-18	0.0	Jun-19	0.0	0.0	Dec-19			0.0
TA-55-GEN-1	TA-55-PF10	G-0065	Isuzu	BZ-4LE2T	4LE2-298868	30	40.2	Dec-18	15.0	Jun-19	15.0	0.0	Dec-19			0.0
TA-55-GEN-2	TA-55-PF11	G-0066	Isuzu	BZ-4LE2T	4LE2-299432	30	40.2	Dec-18	14.0	Jun-19	14.0	0.0	Dec-19			0.0
TA-55-GEN-3	TA-55-371	G-0064	Caterpillar	C32	SYCO5263	900	1335	Dec-18	102.8	Jun-19	112.5	9.7	Dec-19			9.7

Notes: TA-48-GEN-1 has not started up as of June 2019.

The TA-33 225 kW & two 20 kW generators have limits of 500 hrs/yr.

RLUOB-GENs, TA-48 GEN, TA-55-GENs are subject to NSPS IIII regulation; nonemergency operation limited to 100 hrs/yr.

Reviewed by / Date: Ashley Bruggeman 02/11/2019

Hours QA'd by: Katelyn Mahoney 7/9/2019

ATTACHMENT A1106.A.

Internal Combustion

Method 9 Opacity Reports

Opacity measurements were not required or conducted during this monitoring period.

ATTACHMENT A1107.A.

Internal Combustion

Operating Records for RLUOB Generators

Cummins Generator	Cummins Serial # 1060976810 Gen A				Model DFLE 5754172	
Authorized Worker	Date	Start Time	End Time	Run Time	Run Time Accumulative	Reason/Notes
Michael Dominguez	8/22/16	1405	1530	1.5	209.7	Monthly PM
Michael Dominguez	9-20-16	1300	1530	2.5	212.8	Monthly PM
Michael Dominguez	10/13/16	0900	1100	2.0	214.8	Monthly PM
Michael Dominguez	11-3-16	1400	1530	1.5	216.3	Monthly PM
Michael Dominguez	12-7-16	0950	1302	1.8	218.1	Monthly PM
Michael Dominguez	6-13-17	0800	0830	0.7	218.8	Gen OS hours used are for TS/Repair
Michael Dominguez	7-6-17	0945	1100	1.3	220.1	Monthly PM
Michael Dominguez	9/14/17	0930	1130	1.8	221.9	Monthly PM / Troubleshooting
	9/14/17					Gen A is placed Out of Service
RAY MARTINEZ	6-14-18				221.9	OUT OF SERVICE
DAVE SANCHEZ	8-2-18	"	"	"	221.9	" "
Ray Martinez	9.5.18	"	"	"	221.9	" "
Brandon Salazar	11-7-18				221.9	Monthly
RAY MARTINEZ	12-6-18				222.0	MONTHLY (DID NOT RUN)
RAY MARTINEZ	~~12~~ 1-16-19				222.	MONTHLY
Ray Martinez	1-16-19 2-6-19	"	"	"	222.0	Monthly
Ray Martinez	4-16-19				222.2	Monthly
Brandon Salazar	6-5-19	/	/	/	222.2	Monthly
Ray Martinez	7-3-19	/	/	/	222	Monthly

Cummins Generator Cummins Serial # 1060976811 Gen B Model DFLE 5754172

Authorized Worker	Date	Start Time	End Time	Run Time	Run Time Accumulative	Reason/Notes
Michael Dominguez	9.20.16	8:15	1120	3.4	160.2	Monthly PM
Michael Dominguez	10/13/16	12:50	1520	2.5	162.7	Monthly PM
Michael Dominguez	11.3.16	8:30	11:00	2.3	165.0	Monthly PM
Michael Dominguez	12.7.16	1005	1315	2.0	167.0	Monthly PM
Michael Dominguez	2.7.17	1200	1300	0.7	167.7	Monthly PM
Michael Dominguez	6.13.17	08:30	0849	0.1	167.8	Gen OS hours used for TS/Repair
Michael Dominguez	7.6.17	—	—	0	167.8	Monthly PM
Michael Dominguez	9/14/17	0930	1400	3.7	171.0	Monthly PM
Michael Dominguez	10/26/17	1005	1415	1.7	172.7	Monthly PM
Michael Dominguez	11/7/17	0935	1330	1.9	174.6	Monthly PM
Michael Dominguez	12/5/17	1015	1400	2.1	176.7	Monthly PM
[illegible]	01/21/17	0930	1130	1.8	178.5	Annual Gen B PM
[illegible]	02/8/18	0945	1400	4.2	182.7	Monthly PM
[illegible]	3/8/18	1000	1345	3.2	185.9	Monthly PM
[illegible]	4/4/18	1100	2000	24.2	210.1	Monthly PM / Testing ATS-F
[illegible]	5/2/18	8:40	1300	3.3	213.4	Monthly PM
M Dominguez	6/4/18	0945	1330	2.3	215.7	Monthly PM
RAY MARTINEZ	6.14.18	2:15	3:15	1.0	216.3	~~Single~~ MONTHLY ~~Parallel~~
RAY MARTINEZ	7-3-18	1:30	2:30	1.0	219.4	Monthly PM
Paul Sanchez	8-2-18	1330	1440	1.2	223.5	Monthly pm
RAY MARTINEZ	9-5-18	10:18	11:18	1.0	225.2	Monthly PM
Brandon Salazar	11-7-18	—	—	—	225.2	Monthly PM
RAY MARTINEZ	12.6.18	RM	1-16-19		225.2	MONTHLY (DID NOT RUN)
RAY MARTINEZ	1-16-19	~~1:15~~	~~2:15~~	~~1.0~~	225.7	MONTHLY
RAY MARTINEZ	2.6.19	10:30	11:30	2.0	229.0	MONTHLY
RAY MARTINEZ	4.16.19			2.0	234	Monthly
Brandon Salazar	6-5-19	9:40	10:40	2.0	239.4	Monthly
Stephen Mykel	6/19/19	1342	1348	0.4	239.8	FP ATS
RAY MARTINEZ	7-3-19	9:48	11:00	1.0	241	Monthly

Cummins Generator	Cummins Serial # 1060976812 Gen C				Model DFLE 5754172	
Authorized Worker	Date	Start Time	End Time	Run Time	Run Time Accumulative	Reason/Notes
Ray Martinez	9-5-18	10:03	2:20	2.0	180.3	Monthly Single / Parallel
Brandon Salazar	11-7-18	1:25	2:25	1.0	182.8	Monthly
Ray Martinez	12.6.18	1:00	2:00	1.0	185.	Monthly
Ray Martinez	1-16-19	1:15	2:15	1.0	187.3	Monthly
Ray Martinez	2-8-19	1:00	2:00	1.0	187.0	Monthly
Ray Martinez	4-16-19			1.0	193.6	Monthly
Brandon Salazar	6-5-19	9:40	10:40	1.0	197.8	Monthly
Stephen Medrano	6/12/19	1342	1345	0.2	198.0	FP-ATS
Ray Martinez	7-2-19	9:48	11:06	2.0	200	Monthly

ATTACHMENT A1107.B.

Internal Combustion

Operating Records for Permitted Emergency Generators

TA-48-GEN-1 has been installed, but is not yet operating.

See Attachment A1104.B. for TA-55-GEN-1, TA-55-GEN-2 and TA-55-GEN-3 records.

ATTACHMENT A1207.A.

Data Disintegrator

Operating Logs

2019 TA-52 Data Disintegrator (EQPT 89)

	Data Entry		Data Entry
Month	Boxes[c] Shredded	Month	Boxes[c] Shredded
January	254	July	
February	0	August	
March	0	September	
April	0	October	
May	0	November	
June	0	December	
6 month Total	254	6 month Total	0

Annual Boxes: [g]	254

Reviewed By / Date: Vince Carretti 07/10/2019

ATTACHMENT A1207.B.

Data Disintegrator

Maintenance Performed

There was no maintenance performed on the pollution control equipment for the data disintegrator during this reporting period. Preventive maintenance was completed during the second half of 2018.

ATTACHMENT A1306.A.

TA-03 Power Plant

Opacity for Sources Combusting Natural Gas

No opacity readings were taken for this source while combusting natural gas during this reporting period. Per Section A1306.A – "Use of natural gas fuel meeting the requirement at Condition A1305.A or B constitutes compliance with 20.2.61 NMAC….."

ATTACHMENT A1306.B.

TA-03 Power Plant

Opacity for Sources Combusting No. 2 Fuel Oil

No fuel oil was burned in the TA-3 Power Plant boilers during this reporting period, therefore no opacity readings were taken.

AI 856 | Los Alamos National Laboratory

Operating Permit P100-R2M3

Monitoring Period January 1–June 30, 2019

ATTACHMENT A1307.A.

TA-03 Power Plant

Emission Rate Calculations

2019 Monthly Emission Totals (tons)

		Jan.	Feb.	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Totals
All Three Boilers	**NOx**	1.606	1.352	1.105	0.809	0.621	0.462							**6.0**
	SOx	0.017	0.014	0.011	0.008	0.006	0.005							**0.1**
	TSP	0.210	0.177	0.145	0.106	0.081	0.060							**0.8**
	PM-10	0.210	0.177	0.145	0.106	0.081	0.060							**0.8**
	PM-2.5	0.210	0.177	0.145	0.106	0.081	0.060							**0.8**
	CO	1.107	0.932	0.762	0.558	0.428	0.318							**4.1**
	VOC	0.152	0.128	0.105	0.077	0.059	0.044							**0.6**

12 Month Rolling Emissions 2019 (Tons)

All Three Boilers	**NOx**	3.098	3.394	3.550	3.471	3.348	3.315						
	SOx	0.032	0.035	0.036	0.035	0.034	0.033						
	TSP	0.406	0.445	0.465	0.454	0.438	0.434						
	PM-10	0.406	0.445	0.465	0.455	0.438	0.434						
	PM-2.5	0.406	0.445	0.465	0.455	0.438	0.434						
	CO	2.137	2.341	2.448	2.394	2.309	2.286						
	VOC	0.294	0.322	0.337	0.329	0.318	0.314						

Meets permit condition A1307.A, Monitoring Condition 2.

Monthly Emission Calculation (Natural Gas) 2019

Average Hourly Emissions Rates (pph) for each Emission Unit

(Meets condition A1307.A, monitoring condition 1, of Title V Permit P100-R2M1)

		Jan.	Feb.	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Allowable Emissions[a]
Boiler 1 TA-3-22-1 (pph)	**NOx**	1.66	2.26	1.75	3.10	1.89	1.39							**10.2**
	SOx	0.02	0.02	0.02	0.03	0.02	0.01							**1.1**
	PM	0.22	0.30	0.23	0.41	0.25	0.18							**1.3**
	PM-10	0.22	0.30	0.23	0.41	0.25	0.18							**1.3**
	PM-2.5	0.22	0.30	0.23	0.41	0.25	0.18							**1.3**
	CO	1.14	1.56	1.21	2.14	1.30	0.96							**7.0**
	VOC	0.16	0.21	0.17	0.29	0.18	0.13							**1.0**
Boiler 2 TA-3-22-2 (pph)	**NOx**	0.00	0.00	0.00	0.00	0.00	1.13							**10.2**
	SOx	0.00	0.00	0.00	0.00	0.00	0.01							**1.1**
	PM	0.00	0.00	0.00	0.00	0.00	0.15							**1.3**
	PM-10	0.00	0.00	0.00	0.00	0.00	0.15							**1.3**
	PM-2.5	0.00	0.00	0.00	0.00	0.00	0.15							**1.3**
	CO	0.00	0.00	0.00	0.00	0.00	0.78							**7.0**
	VOC	0.00	0.00	0.00	0.00	0.00	0.11							**1.0**
Boiler 2 TA-3-22-2 (pph)	**NOx**	2.71	1.80	2.34	2.25	1.67	1.30							**10.2**
	SOx	0.03	0.02	0.02	0.02	0.02	0.01							**1.1**
	PM	0.36	0.24	0.31	0.29	0.22	0.17							**1.3**
	PM-10	0.36	0.24	0.31	0.29	0.22	0.17							**1.3**
	PM-2.5	0.36	0.24	0.31	0.29	0.22	0.17							**1.3**
	CO	1.87	1.24	1.61	1.55	1.15	0.89							**7.0**
	VOC	0.26	0.17	0.22	0.21	0.16	0.12							**1.0**

(a) Allowable Emissions are from table A1302A of Permit P100-R2M1.

Condition A1307.A, monitoring condition 3, can't be calculated because the units are based on the emission factor. The emission factor for NOx is 58 lbs/MMscf, which is converted to lbs/MMBtu by dividing by the high heat value of natural gas (the number of Btu in a scf). As the HHV of natural gas ranges in value, the emission range was calculated using the low and high values at LANL between 2014 and 2018, the lowest was 1016.1 btu/scf and the highest was 1079.3 btu/scf, therefore the NOx emission rate will range from 0.054 to 0.057 lbs/MMBtu. The average Btu value for natural gas is calculated annually and can be found in the GHG emission calculations in this spreadsheet.

Monthly Emission Calculation (Fuel Oil) 2019

Average Hourly Emissions Rates (pph) for each Emission Unit

(Meets condition A1307.A, monitoring condition 1, of Title V Permit P100-R2M1)

		Jan.	Feb.	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Allowable Emissions[a]
Boiler 1 TA-3-22-1 (pph)	**NOx**	0.00	0.00	0.00	0.00	0.00	0.00							**11.3**
	SOx	0.00	0.00	0.00	0.00	0.00	0.00							**9.6**
	PM	0.00	0.00	0.00	0.00	0.00	0.00							**4.3**
	PM-10	0.00	0.00	0.00	0.00	0.00	0.00							**3.0**
	PM-2.5	0.00	0.00	0.00	0.00	0.00	0.00							**2.0**
	CO	0.00	0.00	0.00	0.00	0.00	0.00							**6.5**
	VOC	0.00	0.00	0.00	0.00	0.00	0.00							**0.3**
Boiler 2 TA-3-22-2 (pph)	**NOx**	0.00	0.00	0.00	0.00	0.00	0.00							**11.3**
	SOx	0.00	0.00	0.00	0.00	0.00	0.00							**9.6**
	PM	0.00	0.00	0.00	0.00	0.00	0.00							**4.3**
	PM-10	0.00	0.00	0.00	0.00	0.00	0.00							**3.0**
	PM-2.5	0.00	0.00	0.00	0.00	0.00	0.00							**2.0**
	CO	0.00	0.00	0.00	0.00	0.00	0.00							**6.5**
	VOC	0.00	0.00	0.00	0.00	0.00	0.00							**0.3**
Boiler 2 TA-3-22-2 (pph)	**NOx**	0.00	0.00	0.00	0.00	0.00	0.00							**11.3**
	SOx	0.00	0.00	0.00	0.00	0.00	0.00							**9.6**
	PM	0.00	0.00	0.00	0.00	0.00	0.00							**4.3**
	PM-10	0.00	0.00	0.00	0.00	0.00	0.00							**3.0**
	PM-2.5	0.00	0.00	0.00	0.00	0.00	0.00							**2.0**
	CO	0.00	0.00	0.00	0.00	0.00	0.00							**6.5**
	VOC	0.00	0.00	0.00	0.00	0.00	0.00							**0.3**

(a) Allowable Emissions are from table A1302A of permit P100-R2M1

Each boilers uses 1303 gallons per hour at 110% or 178 MMbtu input (provided by Paul Parker on 9-12-12). Hour calculation uses 1184 gph as 100%.

Data Reviewed By: Vince Carretti 07/15/2019

AI 856 | Los Alamos National Laboratory

Operating Permit P100-R2M3

Monitoring Period January 1–June 30, 2019

ATTACHMENT A1307.B.

TA-03 Power Plant

Boiler Fuel Use and Hours of Operation

2019 TA-3 Power Plant Fuel Use Totals

Month	TA-3-22-1 Power Plant[b] Boiler # 1 (Edgemoor Iron Works, 210 mmBtu/hr)		TA-3-22-2 Power Plant[b] Boiler # 2 (Edgemoor Iron Works, 210 mmBtu/hr)		TA-3-22-3 Power Plant[b] Boiler # 3 (Union Iron Works, 210 mmBtu/hr)		Monthly Totals	
	Natural Gas (mscf)[a]	Fuel Oil (gallons)[a]	Natural Gas (mscf)[a]	Fuel Oil (gallons)[a]	Natural Gas (mscf)[a]	Fuel Oil (gallons)[a]	Natural Gas (mmscf)[a]	Fuel Oil (gallons)[a]
January	21,031	0	0	0	34,336	0	55.37	0
February	26,110	0	0	0	20,511	0	46.62	0
March	8,397	0	0	0	29,698	0	38.10	0
April	96	0	0	0	27,807	0	27.90	0
May	469	0	0	0	20,940	0	21.41	0
June	5,984	0	1,715	0	8,220	0	15.92	0
July								
August								
September								
October								
November								
December								
Annual Totals:	62,087	0	1,715	0	141,512	0	205.31	0
Jan. - June	62,087	0	1,715	0	141,512	0	205.31	0
July - Dec.	0	0	0	0	0	0	0.00	0

TA-3 Power Plant Hours of Operation

Month	Hours Natural Gas			Hours Fuel Oil			12-Month Rolling Total Hours All Boilers
	Boiler 1	Boiler 2	Boiler 3	Boiler 1	Boiler 2	Boiler 3	
January	736.6	0.0	735.0	0.0	0.0	0.0	750.2
February	670.1	0.0	661.7	0.0	0.0	0.0	1406.8
March	277.7	0.0	737.1	0.0	0.0	0.0	1674.2
April	1.8	0.0	718.4	0.0	0.0	0.0	1675.6
May	14.4	0.0	729.2	0.0	0.0	0.0	1673.7
June	249.3	88.4	367.4	0.0	0.0	0.0	1658.8
July							
August							
September							
October							
November							
December							

Data Reviewed By: Vince Carretti 07/15/2019

12 Month Rolling Fuel Totals For Each TA-3 Power Plant Boiler - 2019

Month	Boiler 1		Boiler 2		Boiler 3		All Boilers	
	Natural Gas (mmscf)	Fuel Oil (gal.)	Natural Gas (mmscf)	Fuel Oil (gal.)	Natural Gas (mmscf)	Fuel Oil (gal.)	Natural Gas (mmscf)	Fuel Oil (gal.)
January	60.51	0	167.35	0	114.82	1,469	342.69	1,469
February	86.52	0	131.26	0	135.12	1,469	352.90	1,469
March	94.88	0	98.97	0	164.47	1,191	358.31	1,191
April	86.96	0	82.24	0	186.38	1,191	355.58	1,191
May	67.59	0	82.24	0	201.51	1,191	351.34	1,191
June	71.92	0	83.95	0	194.34	1,142	350.21	1,142
July								
August								
September								
October								
November								
December								
					Permit Limits:		**1000 MMscf**	**500,000 gal**

ATTACHMENT A1307.C.

TA-03 Power Plant

Turbine Fuel Use and Hours of Operation

CY2019 Daily Turbine Gas Use (Mscf), 12 Month Rolling Total Gas Use, & Hours of Operation

Day	Jan		Feb		Mar		Apr		May		Jun		July		Aug		Sept		Oct		Nov		Dec	
	Gas Use	Hrs	Gas Use	Hrs	Gas Use	Hrs	Gas Use	Hrs	Gas Use	Hrs	Gas Use	Hrs	Gas Use	Hrs	Gas Use	Hrs	Gas Use	Hrs	Gas Use	Hrs	Gas Use	Hrs	Gas Use	Hrs
1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0												
2	0	0.0	0	0.0	0	0.0	0	0.0	1996	8.0	0	0.0												
3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0												
4	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0												
5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0												
6	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1887	8.0												
7	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	7	0.0												
8	6	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0												
9	173	0.0	0	0.0	0	0.0	0	0.0	2082	7.0	0	0.0												
10	1936	8.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0												
11	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0												
12	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0												
13	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	880	4.0												
14	0	0.0	2051	8.0	0	0.0	0	0.0	0	0.0	0	0.0												
15	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0												
16	0	0.0	0	0.0	0	0.0	0	0.0	1852	8.0	0	0.0												
17	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0												
18	70	0.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0												
19	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0												
20	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1735	8.0												
21	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0												
22	0	0.0	44	0.0	0	0.0	0	0.0	0	0.0	0	0.0												
23	0	0.0	0	0.0	0	0.0	0	0.0	1831	8.0	0	0.0												
24	2152	8.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0												
25	0	0.0	0	0.0	0	0.0	1974	8.0	0	0.0	0	0.0												
26	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0												
27	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1767	8.0												
28	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0												
29	0	0.0			0	0.0	0	0.0	0	0.0	0	0.0												
30	0	0.0			0	0.0	0	0.0	1923	8.0	0	0.0												
31	0	0.0			0	0.0			0	0.0														
SUM	4337	16.3	2095	8	0	0	1974	8	9684	39	6276	28												
12 Mo. Rolling Gas Mscf	167,293		165,229		157,686		58,657		64,135		67,474													
12 Mo. Rolling Gas MMscf	**167.3**		**165.2**		**157.7**		**58.7**		**64.1**		**67.5**													
12 Mo. Rolling Hours Hrs.	691		682		653		246		266		280													

First Half Gas Use: **24.37** **MMscf** | **Second Half Gas Use:** **0.0** **MMscf** | **Annual Gas Use:** **24.37** **MMscf**

Permit Limit (12 mo rolling): **1400** **MMscf**

Total Annual Hours: **99.25** **Hour**

2018 High Heat Value (HHV) for natural gas[k] = **1060** MMBtu/MMscf

Reviewed by/date: Vince Carretti 7/10/2019

ATTACHMENT A1307.D.

TA-03 Power Plant

Turbine Operating Logs

Date: 01-8-2019

CGTG HOURLY READING LOG

MST / MDT (circle one)

Time Gas Introduced (Turbine Rolling): 1405

Time of Turbine Online (Brkr Closed):

Time Turbine Offline (Brkr Open):

Time No Gas Flow: 1414

Notes: JUST TEST FOR JOE B. NOT TO BE SENT TO GRED. TEST ONLY.

	Instrument Air Compressor	I.D	Units	Low	Norm	Max	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	Blowdown Dry Receiver Tank Hourly	BVT-013	√																											
2	Blowdown Wet Receiver Tank Hourly	BVT-007	√																											
3	Wet Receiver Air Pressure	PI-002	psig	90	105	120																								
4	Instrument Temperature	TI-001	deg C		20	50																								
5	Fin Fan Cooler		Units	Low	Norm	Max																								
6	Coolant Pressure	PI-250	psig		25																									
7	Coolant PLC Temperature	TI-002	deg F	100	110	120																								
8	Sight glass Level Expansion Tank	LI-001	LEVEL	1/3	2/3	FULL																								
9	Coolant Return Differential from GG	FI-001	In WC		60	80																								
10	Coolant Return Differential from	FI-002	In WC		37	50																								
11	Control Room		Units	Low	Norm	Max																								
12	Room Temperature		deg F		72	85																								
13	Combustible Gas Detector Monitor		% LEL	0%	0%	20%																								
15	WECC Log		Operational?																											
16	Operation of PSS/on at 6.3MW		Yes (Y)			No (N)																								
17	Operation of AVR Voltage Mode @ 13.6 KV		Yes (Y)			No (N)																								
	Entronic Control System		Units	Low	Norm	Max																								
	(18–20 found on Air Diagram page)																													
18	2000 gal Oil Water Tank Level	LI-231	%			70%																								
19	10 gal gas TG Drain Tank (Air Diagram page)	LI-230	%			70%																								
20	Record on hard S/D trip over 4500 rpm NL Compressor (on line trip)	A63GGD 5T-01	psig	35	20																									
21	Acknowledge Alarms Hourly		√																											
	(22–24 found on Power Management page)																													
22	Generator Current		Amps			1200																								
23	Mw Output		MW			27																								
24	80% Base Load Minimum		MW																											
25	Running Hours (unit overview)																													
26	Ambient Temperature	T1 inlet																												
	(27–28 found on Gas Fuel System page)																													
27	Waste Oil Tank	LI-120	%			70%																								
28	Total Fuel Flow		Mscf/h																											

Date: 01-8-2019 Signature: Randy Vigil

CGTG TURBINE

UTILITIES AND INFRASTRUCTURE

Natural Gas Compressor		Units	Low	Norm	Max	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
GAS COMPRESSOR START TIME	1350																												
Combustible Gas Detector	AAH-303	%		0%	20%																								
Packing Lube Oil Flow Indicator Left Side	FSL-1501B	LIGHT		BLINK																									
Liquid Level Coalescing	LI-7721	LIQID		EMPTY	ANY																								
Crankcase Bulls eye	LC-1574	LEVEL	1/4	1/2	FULL																								
Oil Day Tank Level	LI-1562	GAL	10		FULL																								
Lubricator Bulls eye		LEVEL	1/2	FULL																									
1st Stage Scrubber Liquid Level	LI-7416	LIQID		EMPTY	ANY																								
2nd Stage Scrubber Liquid Level	LI-7466	LIQID		EMPTY	ANY																								
Packing Lube Oil Flow Indicator Right Side	FSL-1501A	LIGHT		BLINK																									
1st Stage Inlet Press.	PI-2100	psig		88	140																								
Stage Disch. Press	PI-2101	psig		238	285																								
2nd Stage Inlet Press	PI-2200	psig		267	285																								
2nd Stage Disch. Press	PI-2201	psig		575	600																								
Final Discharge Pressure	PI-2108	psig		575	600																								
Lube Oil Pressure	PI-1572	psig	40	60																									
Lube Oil Temp	TE-1584	deg		150	170																								
Final Discharge Temp	TE-2120	deg		110	150																								
1st Stage Cylinder Disch. Temperature A	TE-2054 A	deg		226	297																								
2ndStage Cylinder Disch. Temperature A	TE-2062 A	deg		258	283																								
1st Stage Cylinder Disch. Temperature B	TE-2054 B	deg		226	297																								
2nd Stage Cylinder Disch. Temperature B	TE-2062 B	deg		258	283																								
Motor Frame Vibration	VT-1015	IPS			0.15																								
Compresser Frame Vibration	VT-1512	IPS			0.35																								
Take Once per Shift / at Full Load		psig		Max psid		When the differential pressure exceeds Max psid the filter should be changed out. Notify System Engineer																							
Natural Gas Comp.Discharge Press.																													
Double Block and Bleed Pressure	A63FGDT	49-48=psid			8																								
Fuel Gas Supply Pressure	A63FTGST	50-49=psid			20																								

DATE 01.8.2019

SIGNATURE (Ronny Vin)

Mid Shift

Days Shift

Notes TEST FOR JOE B. TEST ONLY.

CGTG TURBINE

UTILITIES AND INFRASTRUCTURE

Natural Gas Compressor		Units	Low	Norm	Max	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
GAS COMPRESSOR START TIME	0748																												
Combustible Gas Detector	AAH-303	%		0%	20%																								
Packing Lube Oil Flow Indicator Left Side	FSL-1501B	LIGHT		BLINK																									
Liquid Level Coalescing	LI-7721	LIQID		EMPTY	ANY																								
Crankcase Bulls eye	LC-1574	LEVEL	1/4	1/2	FULL																								
Oil Day Tank Level	LI-1562	GAL	10		FULL																								
Lubricator Bulls eye		LEVEL	1/2	FULL																									
1st Stage Scrubber Liquid Level	LI-7416	LIQID		EMPTY	ANY																								
2nd Stage Scrubber Liquid Level	LI-7466	LIQID		EMPTY	ANY																								
Packing Lube Oil Flow Indicator Right Side	FSL-1501A	LIGHT		BLINK																									
1st Stage Inlet Press.	PI-2100	psig		88	140																								
Stage Disch. Press	PI-2101	psig		238	285																								
2nd Stage Inlet Press	PI-2200	psig		267	285																								
2nd Stage Disch. Press	PI-2201	psig		575	600																								
Final Discharge Pressure	PI-2108	psig		575	600																								
Lube Oil Pressure	PI-1572	psig	40	60																									
Lube Oil Temp	TE-1584	deg		150	170																								
Final Discharge Temp	TE-2120	deg		110	150																								
1st Stage Cylinder Disch. Temperature A	TE-2054 A	deg		226	297																								
2ndStage Cylinder Disch. Temperature A	TE-2062 A	deg		258	283																								
1st Stage Cylinder Disch. Temperature B	TE-2054 B	deg		226	297																								
2nd Stage Cylinder Disch. Temperature B	TE-2062 B	deg		258	283																								
Motor Frame Vibration	VT-1015	IPS			0.15																								
Compresser Frame Vibration	VT-1512	IPS			0.35																								
Take Once per Shift / at Full Load		psig		Max psid		When the differential pressure exceeds Max psid the filter should be changed out. Notify System Engineer																							
Natural Gas Comp.Discharge Press.																													
Double Block and Bleed Pressure	A63FGDT	49-48=psid			8																								
Fuel Gas Supply Pressure	A63FTGST	50-49=psid			20																								

DATE	01-09-2019
SIGNATURE	GOMEZ
Mid Shift	
Days Shift	

Notes GAS COMPRESSOR STARTED TO TEST AVAILABILITY IN COLD WEATHER. CGTG WAS NOT STARTED

Date: 1-10-19

(MST) / MDT (circle one)

CGTG HOURLY READING LOG

Time Gas Introduced (Turbine Rolling): 0656
Time of Turbine Online (Brkr Closed): 0751

Time Turbine Offline (Brkr Open): 1557
Time No Gas Flow: 1603

Notes:

	Instrument Air Compressor	I.D	Units	Low	Norm	Max	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	Blowdown Dry Receiver Tank Hourly	BVT-013	v											/	✓	/	/		/	✓	/									
2	Blowdown Wet Receiver Tank Hourly	BVT-007	v											/	✓	/	/		/	✓	/									
3	Wet Receiver Air Pressure	PI-002	psig	90	105	120								/	✓	/	/	20	/	✓	/									
4	Instrument Temperature	TI-001	deg C		20	50								106	112	104	108	20	110	104	110									
5	Fin Fan Cooler		Units	Low	Norm	Max								14	16	16	18		19	19	19									
6	Coolant Pressure	PI-250	psig		25													14												
7	Coolant PLC Temperature	TI-002	deg F	100	110	120								19.4	19.6	19.4	19.4		19.4	19.6	19.6									
8	Sight glass Level Expansion Tank	LI-001	LEVEL	1/3	2/3	FULL								101	111	98	111	Bush	103	110	108									
9	Coolant Return Differential from GG	FI-001	In WC		60	80								1/2	1/2	1/2	1/2		1/2	1/2	1/2									
10	Coolant Return Differential from	FI-002	In WC		37	50								60	62	62	62		63	63	62									
11	Control Room		Units	Low	Norm	Max								35	35	35	35		36	36	36									
12	Room Temperature		deg F		72	85																								
13	Combustible Gas Detector Monitor		% LEL	0%	0%	20%								74	74	74	74	72	73	74	74									
15	WECC Log		Operational?											0	0	0	0		0	0	0									
16	Operation of PSS/on at 6.3MW		Yes (Y)			No (N)																								
17	Operation of AVR Voltage Mode @ 13.6 KV		Yes (Y)			No (N)								YES	YES	YES	YES	YES	YES	YES	YES									
	Entronic Control System		Units	Low	Norm	Max								YES	YES	YES	YES	YES	YES	YES	YES									
	(18–20 found on Air Diagram page)																													
18	2000 gal Oil Water Tank Level	LI-231	%			70%								67	67	67	67	67	67	67	67									
19	10 gal gas TG Drain Tank (Air Diagram page)	LI-230	%			70%								0	0	0	0	0	0	0	0									
20	Record on hard S/D trip over 4500 rpm NL Compressor (on line trip)	A63GGD 5T-01	psig	35	20																									
21	Acknowledge Alarms Hourly		v											/	/	/	/		/	✓	/									
	(22–24 found on Power Management page)																													
22	Generator Current		Amps			1200								1108	1104	1079	1066	1051	1047	1052	1046									
23	Mw Output		MW			27								26.1	25.8	25.4	25.1	24.8	24.4	24.8	24.4									
24	80% Base Load Minimum		MW											21.2	20.7	20.5	20.3	20.1	19.9	20.1	20.0									
25	Running Hours (unit overview)													3990	3991	3992	3993	3994	3995	3996	3997									
26	Ambient Temperature	T1 Inlet												31.6	35	38	41	44	56	45	45									
	(27–28 found on Gas Fuel System page)																		45 LP 1-10-19											
27	Waste Oil Tank	LI-120	%			70%								59	58	57	57		56	57	57									
28	Total Fuel Flow		Mscf/h											244	241	240	237		234	235	235									

Date: 1-10-19 Signature: LPC

CGTG TURBINE

UTILITIES AND INFRASTRUCTURE

Natural Gas Compressor		Units	Low	Norm	Max	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
GAS COMPRESSOR START TIME											0620																		
Combustible Gas Detector	AAH-303	%		0%	20%																								
Packing Lube Oil Flow Indicator Left Side	FSL-1501B	LIGHT		BLINK									B	B	B	B		B	B	B									
Liquid Level Coalescing	LI-7721	LIQID		EMPTY	ANY								E	E	E	E		E	E	E									
Crankcase Bulls eye	LC-1574	LEVEL	1/4	1/2	FULL								1/2	1/2	1/2	1/2		1/2	1/2	1/2									
Oil Day Tank Level	LI-1562	GAL	10		FULL								48	48	48	48		48	48	48									
Lubricator Bulls eye		LEVEL	1/2	FULL									3/4	3/4	3/4	3/4		3/4	3/4	3/4									
1st Stage Scrubber Liquid Level	LI-7416	LIQID		EMPTY	ANY								E	E	E	E		E	E	E									
2nd Stage Scrubber Liquid Level	LI-7466	LIQID		EMPTY	ANY								E	E	E	E		E	E	E									
Packing Lube Oil Flow Indicator Right Side	FSL-1501A	LIGHT		BLINK									B	B	B	B		B	B	B									
1st Stage Inlet Press.	PI-2100	psig		88	140								81	82	82	82		82	82	82									
Stage Disch. Press	PI-2101	psig		238	285								247	249	250	250		252	252	253									
2nd Stage Inlet Press	PI-2200	psig		267	285								243	245	246	246		248	248	249									
2nd Stage Disch. Press	PI-2201	psig		575	600								579	579	579	579		579	579	579									
Final Discharge Pressure	PI-2108	psig		575	600								574	574	574	574		575	574	575									
Lube Oil Pressure	PI-1572	psig	40	60									58	57	57	57		58	57	58									
Lube Oil Temp	TE-1584	deg		150	170								169	170	171	171		170	170	170									
Final Discharge Temp	TE-2120	deg		110	150								70	73	76	79		83	82	82									
1st Stage Cylinder Disch. Temperature A	TE-2054 A	deg		226	297								203	203	204	204		205	204	204									
2nd Stage Cylinder Disch. Temperature A	TE-2062 A	deg		258	283								204	205	207	209		214	211	212									
1st Stage Cylinder Disch. Temperature B	TE-2054 B	deg		226	297								202	201	202	202		203	202	202									
2nd Stage Cylinder Disch. Temperature B	TE-2062 B	deg		258	283								204	205	207	209		215	212	212									
Motor Frame Vibration	VT-1015	IPS			0.15								.03	.03	.03	.03		.03	.04	.03									
Compresser Frame Vibration	VT-1512	IPS			0.35								.05	.05	.05	.05		.05	.05	.05									
Take Once per Shift / at Full Load		psig		Max psid		When the differential pressure exceeds Max psid the filter should be changed out. Notify System Engineer																							
Natural Gas Comp.Discharge Press.													575																
Double Block and Bleed Pressure	A63FGDT	49-48=psid			8								570																
Fuel Gas Supply Pressure	A63FTGST	50-49=psid			20								556																

DATE	1-10-19
SIGNATURE	
Mid Shift	
Days Shift	L Pacheco

0822 812292-55666

Notes

Date: _____

CGTG HOURLY READING LOG

MST / MDT (circle one)

Time Gas Introduced (Turbine Rolling): | Time Turbine Offline (Brkr Open):

Time of Turbine Online (Brkr Closed): | Time No Gas Flow:

Notes: TEST NO READING
ONLY GAS COMP GUAS ON 2 THIS 1-17-19

	Instrument Air Compressor	I.D	Units	Low	Norm	Max	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	Blowdown Dry Receiver Tank Hourly	BVT-013	v																											
2	Blowdown Wet Receiver Tank Hourly	BVT-007	v																											
3	Wet Receiver Air Pressure	PI-002	psig	90	105	120																								
4	Instrument Temperature	TI-001	deg C		20	50																								
5	Fin Fan Cooler		Units	Low	Norm	Max																								
6	Coolant Pressure	PI-250	psig		25																									
7	Coolant PLC Temperature	TI-002	deg F	100	110	120																								
8	Sight glass Level Expansion Tank	LI-001	LEVEL	1/3	2/3	FULL																								
9	Coolant Return Differential from GG	FI-001	In WC		60	80																								
10	Coolant Return Differential from	FI-002	In WC		37	50																								
11	Control Room		Units	Low	Norm	Max																								
12	Room Temperature		deg F		72	85																								
13	Combustible Gas Detector Monitor		% LEL	0%	0%	20%																								
15	WECC Log		Operational?																											
16	Operation of PSS/on at 6.3MW		Yes (Y)			No (N)																								
17	Operation of AVR Voltage Mode @ 13.6 KV		Yes (Y)			No (N)																								
	Entronic Control System		Units	Low	Norm	Max																								
	(18–20 found on Air Diagram page)																													
18	2000 gal Oil Water Tank Level	LI-231	%			70%																								
19	10 gal gas TG Drain Tank (Air Diagram page)	LI-230	%			70%																								
20	Record on hard S/D trip over 4500 rpm NL Compressor (on line trip)	A63GGD 5T-01	psig	35	20																									
21	Acknowledge Alarms Hourly		v																											
	(22–24 found on Power Management page)																													
22	Generator Current		Amps			1200																								
23	Mw Output		MW			27																								
24	80% Base Load Minimum		MW																											
25	Running Hours (unit overview)																													
26	Ambient Temperature	T1 inlet																												
	(27–28 found on Gas Fuel System page)																													
27	Waste Oil Tank	LI-120	%			70%																								
28	Total Fuel Flow		Mscf/h																											

Date: 01-17-19 Signature: [signature]

CGTG TURBINE

UTILITIES AND INFRASTRUCTURE

Natural Gas Compressor		Units	Low	Norm	Max	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
GAS COMPRESSOR START TIME 1525																													
Combustible Gas Detector	AAH-303	%		0%	20%																								
Packing Lube Oil Flow Indicator Left Side	FSL-1501B	LIGHT		BLINK																									
Liquid Level Coalescing	LI-7721	LIQID		EMPTY	ANY																								
Crankcase Bulls eye	LC-1574	LEVEL	1/4	1/2	FULL																								
Oil Day Tank Level	LI-1562	GAL	10		FULL																								
Lubricator Bulls eye		LEVEL	1/2	FULL																									
1st Stage Scrubber Liquid Level	LI-7416	LIQID		EMPTY	ANY																								
2nd Stage Scrubber Liquid Level	LI-7466	LIQID		EMPTY	ANY																								
Packing Lube Oil Flow Indicator Right Side	FSL-1501A	LIGHT		BLINK																									
1st Stage Inlet Press.	PI-2100	psig		88	140																								
Stage Disch. Press	PI-2101	psig		238	285																								
2nd Stage Inlet Press	PI-2200	psig		267	285																								
2nd Stage Disch. Press	PI-2201	psig		575	600																								
Final Discharge Pressure	PI-2108	psig		575	600																								
Lube Oil Pressure	PI-1572	psig	40	60																									
Lube Oil Temp	TE-1584	deg		150	170																								
Final Discharge Temp	TE-2120	deg		110	150																								
1st Stage Cylinder Disch. Temperature A	TE-2054 A	deg		226	297																								
2nd Stage Cylinder Disch. Temperature A	TE-2062 A	deg		258	283																								
1st Stage Cylinder Disch. Temperature B	TE-2054 B	deg		226	297																								
2nd Stage Cylinder Disch. Temperature B	TE-2062 B	deg		258	283																								
Motor Frame Vibration	VT-1015	IPS			0.15																								
Compresser Frame Vibration	VT-1512	IPS			0.35																								
Take Once per Shift / at Full Load		psig		Max psid	When the differential pressure exceeds Max psid the filter should be changed out. Notify System Engineer																								
Natural Gas Comp.Discharge Press.																													
Double Block and Bleed Pressure	A63FGDT	49-48=psid			8																								
Fuel Gas Supply Pressure	A63FTGST	50-49=psid			20																								

DATE 01-17-19

SIGNATURE Ramy

Mid Shift

Days Shift

Notes FOR TEST + JOB B. SHUT DOWN GAS TURBINE 1545

Date: 1-18-19

(MST) / MDT (circle one)

Time Gas introduced (Turbine Rolling): 1119

Time of Turbine Online (Brkr Closed): 1152

Time Turbine Offline (Brkr Open): 1206

Time No Gas Flow: 1212

Notes: _____

CGTG HOURLY READING LOG

	Instrument Air Compressor	I.D	Units	Low	Norm	Max	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	Blowdown Dry Receiver Tank Hourly	BVT-013	V																											
2	Blowdown Wet Receiver Tank Hourly	BVT-007	V																											
3	Wet Receiver Air Pressure	PI-002	psig	90	105	120																								
4	Instrument Temperature	TI-001	deg C		20	50																								
5	Fin Fan Cooler		Units	Low	Norm	Max																								
6	Coolant Pressure	PI-250	psig		25																									
7	Coolant PLC Temperature	TI-002	deg F	100	110	120																								
8	Sight glass Level Expansion Tank	LI-001	LEVEL	1/3	2/3	FULL																								
9	Coolant Return Differential from GG	FI-001	In WC		60	80																								
10	Coolant Return Differential from	FI-002	In WC		37	50																								
11	Control Room		Units	Low	Norm	Max																								
12	Room Temperature		deg F		72	85																								
13	Combustible Gas Detector Monitor		% LEL	0%	0%	20%																								
15	WECC Log		Operational?																											
16	Operation of PSS/on at 6.3MW		Yes (Y)			No (N)																								
17	Operation of AVR Voltage Mode @ 13.6 KV		Yes (Y)			No (N)																								
	Entronic Control System		Units	Low	Norm	Max																								
	(18–20 found on Air Diagram page)																													
18	2000 gal Oil Water Tank Level	LI-231	%			70%																								
19	10 gal gas TG Drain Tank (Air Diagram page)	LI-230	%			70%																								
20	Record on hard S/D trip over 4500 rpm NL Compressor (on line trip)	A63GGD 5T-01	psig	35	20																									
21	Acknowledge Alarms Hourly		V																											
	(22–24 found on Power Management page)																													
22	Generator Current		Amps			1200																								
23	Mw Output		MW			27																								
24	80% Base Load Minimum		MW																											
25	Running Hours (unit overview)																													
26	Ambient Temperature	T1 inlet																												
	(27–28 found on Gas Fuel System page)																													
27	Waste Oil Tank	LI-120	%			70%																								
28	Total Fuel Flow		Mscf/h																											

Date: 1-18-19 Signature: _____

CGTG TURBINE

UTILITIES AND INFRASTRUCTURE

Natural Gas Compressor		Units	Low	Norm	Max	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
GAS COMPRESSOR START TIME															1038														
Combustible Gas Detector	AAH-303	%		0%	20%																								
Packing Lube Oil Flow Indicator Left Side	FSL-1501B	LIGHT		BLINK																									
Liquid Level Coalescing	LI-7721	LIQID		EMPTY	ANY																								
Crankcase Bulls eye	LC-1574	LEVEL	1/4	1/2	FULL																								
Oil Day Tank Level	LI-1562	GAL	10		FULL																								
Lubricator Bulls eye		LEVEL	1/2	FULL																									
1st Stage Scrubber Liquid Level	LI-7416	LIQID		EMPTY	ANY																								
2nd Stage Scrubber Liquid Level	LI-7466	LIQID		EMPTY	ANY																								
Packing Lube Oil Flow Indicator Right Side	FSL-1501A	LIGHT		BLINK																									
1st Stage Inlet Press.	PI-2100	psig		88	140																								
Stage Disch. Press	PI-2101	psig		238	285																								
2nd Stage Inlet Press	PI-2200	psig		267	285																								
2nd Stage Disch. Press	PI-2201	psig		575	600																								
Final Discharge Pressure	PI-2108	psig		575	600																								
Lube Oil Pressure	PI-1572	psig	40	60																									
Lube Oil Temp	TE-1584	deg		150	170																								
Final Discharge Temp	TE-2120	deg		110	150																								
1st Stage Cylinder Disch. Temperature A	TE-2054 A	deg		226	297																								
2ndStage Cylinder Disch. Temperature A	TE-2062 A	deg		258	283																								
1st Stage Cylinder Disch. Temperature B	TE-2054 B	deg		226	297																								
2nd Stage Cylinder Disch. Temperature B	TE-2062 B	deg		258	283																								
Motor Frame Vibration	VT-1015	IPS			0.15																								
Compresser Frame Vibration	VT-1512	IPS			0.35																								
Take Once per Shift / at Full Load		psig		Max psid		When the differential pressure exceeds Max psid the filter should be changed out. Notify System Engineer																							
Natural Gas Comp.Discharge Press.																													
Double Block and Bleed Pressure	A63FGDT	49-48=psid			8																								
Fuel Gas Supply Pressure	A63FTGST	50-49=psid			20																								

DATE	1-18-19
SIGNATURE	
Mid Shift	
Days Shift	L PACHECO
Notes	

Date: 01-24-2019

CGTG HOURLY READING LOG

MST / MDT (circle one)

Time Gas Introduced (Turbine Rolling): 07:12
Time of Turbine Online (Brkr Closed): 07:54

Time Turbine Offline (Brkr Open): 16:00
Time No Gas Flow: 16:06

Notes:

	Instrument Air Compressor	I.D	Units	Low	Norm	Max	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	Blowdown Dry Receiver Tank Hourly	BVT-013	√											√	√	√	√	√	√	√	√									
2	Blowdown Wet Receiver Tank Hourly	BVT-007	√											√	√	√	√	√	√	√	√									
3	Wet Receiver Air Pressure	PI-002	psig	90	105	120								106	108	110	110	110	110	108	106									
4	Instrument Temperature	TI-001	deg C		20	50								11	11	13	13	14	15	16	16									
5	Fin Fan Cooler		Units	Low	Norm	Max																								
6	Coolant Pressure	PI-250	psig		25									18	16	16	19	18	18.6	19.6	19									
7	Coolant PLC Temperature	TI-002	deg F	100	110	120								59	105	97	111	99	103	109	104									
8	Sight glass Level Expansion Tank	LI-001	LEVEL	1/3	2/3	FULL								1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2									
9	Coolant Return Differential from GG	FI-001	In WC		60	80								55	60	60	63	63	63	63	63									
10	Coolant Return Differential from	FI-002	In WC		37	50								31	35	35	35	35	36	36	36									
11	Control Room		Units	Low	Norm	Max																								
12	Room Temperature		deg F		72	85								71	74	73	74	74	74	74	74									
13	Combustible Gas Detector Monitor		% LEL	0%	0%	20%								0	0	0	0	0	0	0	0									
15	WECC Log		Operational?																											
16	Operation of PSS/on at 6.3MW		Yes (Y)			No (N)								Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes									
17	Operation of AVR Voltage Mode @ 13.6 KV		Yes (Y)			No (N)								Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes									
	Entronic Control System		Units	Low	Norm	Max																								
	(18–20 found on Air Diagram page)																													
18	2000 gal Oil Water Tank Level	LI-231	%			70%								73	73	73	73	73	73	73	73									
19	10 gal gas TG Drain Tank (Air Diagram page)	LI-230	%			70%								0	0	0	0	0	0	0	0									
20	Record on hard S/D trip over 4500 rpm NL Compressor (on line trip)	A63GGD 5T-01	psig	35	20																									
21	Acknowledge Alarms Hourly		√											√	√	√	√	√	√	√	√									
	(22–24 found on Power Management page)																													
22	Generator Current		Amps			1200								1124	1128	1113	1108	1105	1091	1089	1081									
23	Mw Output		MW			27								26.4	26.4	26.2	26.1	25.8	25.8	25.4	25.4									
24	80% Base Load Minimum		MW											21.7	21.5	21.2	21.0	21.0	20.8	20.7	20.5									
25	Running Hours (unit overview)													3999	4000	4001	4002	4003	4004	4005	4006									
26	Ambient Temperature	T1 Inlet												23	27	30	32	34	36	34	37									
	(27–28 found on Gas Fuel System page)																													
27	Waste Oil Tank	LI-120	%			70%								60	59	58	57	57	58	58	59									
28	Total Fuel Flow		Mscf/h											251	249	248	245	246	244	242	240									

Date: 01-24-2019 Signature: Paul A Montagne

CGTG TURBINE

UTILITIES AND INFRASTRUCTURE

Natural Gas Compressor		Units	Low	Norm	Max	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
GAS COMPRESSOR START TIME												07:00																	
Combustible Gas Detector	AAH-303	%		0%	20%																								
Packing Lube Oil Flow Indicator Left Side	FSL-1501B	LIGHT		BLINK										B	B	B	B	B	B	B	B								
Liquid Level Coalescing	LI-7721	LIQID		EMPTY	ANY									E	E	E	E	E	E	E	E								
Crankcase Bulls eye	LC-1574	LEVEL	1/4	1/2	FULL									1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2								
Oil Day Tank Level	LI-1562	GAL	10		FULL									47	47	47	47	47	47	47	47								
Lubricator Bulls eye		LEVEL	1/2	FULL										3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4								
1st Stage Scrubber Liquid Level	LI-7416	LIQID		EMPTY	ANY									E	E	E	E	E	E	E	E								
2nd Stage Scrubber Liquid Level	LI-7466	LIQID		EMPTY	ANY									E	E	E	E	E	E	E	E								
Packing Lube Oil Flow Indicator Right Side	FSL-1501A	LIGHT		BLINK										B	B	B	B	B	B	B	B								
1st Stage Inlet Press.	PI-2100	psig		88	140									81	81	82	82	82	82	82	82								
Stage Disch. Press	PI-2101	psig		238	285									247	247	248	248	249	250	250	250								
2nd Stage Inlet Press	PI-2200	psig		267	285									243	243	244	244	245	246	246	247								
2nd Stage Disch. Press	PI-2201	psig		575	600									579	579	579	579	579	579	579	579								
Final Discharge Pressure	PI-2108	psig		575	600									574	574	574	575	575	574	575	574								
Lube Oil Pressure	PI-1572	psig	40	60										61	56	57	57	57	57	57	57								
Lube Oil Temp	TE-1584	deg		150	170									162	170	170	170	170	170	170	170								
Final Discharge Temp	TE-2120	deg		110	150									70	70	70	70	71	71	73	73								
1st Stage Cylinder Disch. Temperature A	TE-2054 A	deg		226	297									202	201	201	201	200	200	206	206								
2nd Stage Cylinder Disch. Temperature A	TE-2062 A	deg		258	283									204	203	204	204	205	205	206	206								
1st Stage Cylinder Disch. Temperature B	TE-2054 B	deg		226	297									200	200	199	199	198	198	198	198								
2nd Stage Cylinder Disch. Temperature B	TE-2062 B	deg		258	283									204	203	204	204	205	205	207	207								
Motor Frame Vibration	VT-1015	IPS			0.15									.04	.04	.03	.03	.03	.03	.03	.03								
Compresser Frame Vibration	VT-1512	IPS			0.35									.05	.05	.05	.05	.05	.05	.05	.05								
Take Once per Shift / at Full Load		psig		Max psid		When the differential pressure exceeds Max psid the filter should be changed out. Notify System Engineer																							
Natural Gas Comp.Discharge Press.																		570											
Double Block and Bleed Pressure	A63FGDT	49-48=psid			8													555											
Fuel Gas Supply Pressure	A63FTGST	50-49=psid			20																								

DATE	
SIGNATURE	
Mid Shift	
Days Shift	

Notes

Date: 02-14-2019

CGTG HOURLY READING LOG

(MST) / MDT (circle one)

Time Gas Introduced (Turbine Rolling): 0704
Time of Turbine Online (Brkr Closed): 0754

Time Turbine Offline (Brkr Open): 1600
Time No Gas Flow: 1606

Notes:

	Instrument Air Compressor	I.D	Units	Low	Norm	Max	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	Blowdown Dry Receiver Tank Hourly	BVT-013	v											✓	✓	✓	✓	✓	✓	✓	✓									
2	Blowdown Wet Receiver Tank Hourly	BVT-007	v											✓	✓	✓	✓	✓	✓	✓	✓									
3	Wet Receiver Air Pressure	PI-002	psig	90	105	120								110	106	106	106	104	106	106	110									
4	Instrument Temperature	TI-001	deg C		20	50								30	20	20	20	20	20	20	20									
5	Fin Fan Cooler		Units	Low	Norm	Max																								
6	Coolant Pressure	PI-250	psig		25									19	19	19	19	19	19	19	19									
7	Coolant PLC Temperature	TI-002	deg F	100	110	120								71	106	103	102	101	108	105	99									
8	Sight glass Level Expansion Tank	LI-001	LEVEL	1/3	2/3	FULL								½	½	½	½	½	½	½	½									
9	Coolant Return Differential from GG	FI-001	In WC		60	80								57	60	60	60	60	60	60	60									
10	Coolant Return Differential from	FI-002	In WC		37	50								33	35	35	35	35	35	35	35									
11	Control Room		Units	Low	Norm	Max																								
12	Room Temperature		deg F		72	85								73	73	73	73	73	74	74	73									
13	Combustible Gas Detector Monitor		% LEL	0%	0%	20%								0	0	0	0	0	0	0	0									
15	WECC Log		Operational?																											
16	Operation of PSS/on at 6.3MW		Yes (Y)			No (N)								Y	Y	Y	Y	Y	Y	Y	Y									
17	Operation of AVR Voltage Mode @ 13.6 KV		Yes (Y)			No (N)								Y	Y	Y	Y	Y	Y	Y	Y									
	Entronic Control System		Units	Low	Norm	Max																								
	(18–20 found on Air Diagram page)																													
18	2000 gal Oil Water Tank Level	LI-231	%			70%								74	74	74	74	74	74	74	73									
19	10 gal gas TG Drain Tank (Air Diagram page)	LI-230	%			70%								0	0	0	0	0	0	0	0									
20	Record on hard S/D trip over 4500 rpm NL Compressor (on line trip)	A63GGD 5T-01	psig	35	20																									
21	Acknowledge Alarms Hourly		v											✓	✓	✓	✓	✓	✓	✓	✓									
	(22–24 found on Power Management page)																													
22	Generator Current		Amps			1200								1050	1052	1048	1042	1043	1034	1029	1038									
23	Mw Output		MW			27								25	25	25	24.6	24.6	24.4	24.3	24.6									
24	80% Base Load Minimum		MW											20.4	20.2	20.2	20.0	20.0	19.8	19.8	19.9									
25	Running Hours (unit overview)													4008.8								4016.8								
26	Ambient Temperature	T1 Inlet												40.8	42.4	44.1	45.9	45.9	41.5	48.4	46.6									
	(27–28 found on Gas Fuel System page)																													
27	Waste Oil Tank	LI-120	%			70%								60	60	59	58	58	58	58	59									
28	Total Fuel Flow		Mscf/h											236	235	235	235	233	233	231	233									

Date: 02-14-2019 Signature: GOMEZ

CGTG TURBINE

UTILITIES AND INFRASTRUCTURE

Natural Gas Compressor		Units	Low	Norm	Max	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
GAS COMPRESSOR START TIME	0500																												
Combustible Gas Detector	AAH-303	%		0%	20%								005																
Packing Lube Oil Flow Indicator Left Side	FSL-1501B	LIGHT		BLINK									B	B	B	B	B	B	B	B									
Liquid Level Coalescing	LI-7721	LIQID		EMPTY	ANY								E	E	E	E	E	E	E	E									
Crankcase Bulls eye	LC-1574	LEVEL	1/4	1/2	FULL								1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2									
Oil Day Tank Level	LI-1562	GAL	10		FULL								46	46	46	46	46	46	46	46									
Lubricator Bulls eye		LEVEL	1/2	FULL									F	F	F	F	F	F	F	F									
1st Stage Scrubber Liquid Level	LI-7416	LIQID		EMPTY	ANY								E	E	E	E	E	E	E	E									
2nd Stage Scrubber Liquid Level	LI-7466	LIQID		EMPTY	ANY								E	E	E	E	E	E	E	E									
Packing Lube Oil Flow Indicator Right Side	FSL-1501A	LIGHT		BLINK									B	B	B	B	B	B	B	B									
1st Stage Inlet Press.	PI-2100	psig		88	140								82	83	83	83	83	82	83	83									
Stage Disch. Press	PI-2101	psig		238	285								250	251	252	252	252	253	253	253									
2nd Stage Inlet Press	PI-2200	psig		267	285								246	247	248	248	248	249	249	249									
2nd Stage Disch. Press	PI-2201	psig		575	600								579	579	579	580	580	579	580	579									
Final Discharge Pressure	PI-2108	psig		575	600								575	575	575	575	575	575	575	574									
Lube Oil Pressure	PI-1572	psig	40	60									58	58	58	58	58	58	58	58									
Lube Oil Temp	TE-1584	deg		150	170								170	171	170	170	170	170	169	169									
Final Discharge Temp	TE-2120	deg		110	150								78	80	81	82	83	83	85	85									
1st Stage Cylinder Disch. Temperature A	TE-2054 A	deg		226	297								206	205	205	205	205	205	205	204									
2nd Stage Cylinder Disch. Temperature A	TE-2062 A	deg		258	283								210	211	210	212	213	215	214	214									
1st Stage Cylinder Disch. Temperature B	TE-2054 B	deg		226	297								204	204	204	204	203	203	203	202									
2nd Stage Cylinder Disch. Temperature B	TE-2062 B	deg		258	283								210	211	211	212	213	215	214	214									
Motor Frame Vibration	VT-1015	IPS			0.15								.03	.03	.04	.03	.03	.04	.04	.04									
Compresser Frame Vibration	VT-1512	IPS			0.35								.05	.05	.05	.05	.05	.05	.05	.05									
Take Once per Shift / at Full Load		psig		Max psid		When the differential pressure exceeds Max psid the filter should be changed out. Notify System Engineer																							
Natural Gas Comp.Discharge Press.													575																
Double Block and Bleed Pressure	A63FGDT	49-48=psid			8								570																
Fuel Gas Supply Pressure	A63FTGST	50-49=psid			20								557																

DATE 02-14-2019

SIGNATURE [signature] GOMEZ

Mid Shift

Days Shift 816552

Notes

Date: 02-22-2019

CGTG HOURLY READING LOG

MST / MDT (circle one)

Time Gas Introduced (Turbine Rolling): 07:21

Time of Turbine Online (Brkr Closed):

Time Turbine Offline (Brkr Open):

Time No Gas Flow: 08:12

Notes: CGTG warm up / oil samples

	Instrument Air Compressor	I.D	Units	Low	Norm	Max	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	Blowdown Dry Receiver Tank Hourly	BVT-013	√																											
2	Blowdown Wet Receiver Tank Hourly	BVT-007	√																											
3	Wet Receiver Air Pressure	PI-002	psig	90	105	120																								
4	Instrument Temperature	TI-001	deg C		20	50																								
5	Fin Fan Cooler		Units	Low	Norm	Max																								
6	Coolant Pressure	PI-250	psig		25																									
7	Coolant PLC Temperature	TI-002	deg F	100	110	120																								
8	Sight glass Level Expansion Tank	LI-001	LEVEL	1/3	2/3	FULL																								
9	Coolant Return Differential from GG	FI-001	In WC		60	80																								
10	Coolant Return Differential from	FI-002	In WC		37	50																								
11	Control Room		Units	Low	Norm	Max																								
12	Room Temperature		deg F		72	85																								
13	Combustible Gas Detector Monitor		% LEL	0%	0%	20%																								
15	WECC Log		Operational?																											
16	Operation of PSS/on at 6.3MW		Yes (Y)			No (N)																								
17	Operation of AVR Voltage Mode @ 13.6 KV		Yes (Y)			No (N)																								
	Entronic Control System		Units	Low	Norm	Max																								
	(18–20 found on Air Diagram page)																													
18	2000 gal Oil Water Tank Level	LI-231	%			70%																								
19	10 gal gas TG Drain Tank (Air Diagram page)	LI-230	%			70%																								
20	Record on hard S/D trip over 4500 rpm NL Compressor (on line trip)	A63GGD 5T-01	psig	35	20																									
21	Acknowledge Alarms Hourly		√																											
	(22–24 found on Power Management page)																													
22	Generator Current		Amps			1200																								
23	Mw Output		MW			27																								
24	80% Base Load Minimum		MW																											
25	Running Hours (unit overview)																													
26	Ambient Temperature	T1 inlet																												
	(27–28 found on Gas Fuel System page)																													
27	Waste Oil Tank	LI-120	%			70%																								
28	Total Fuel Flow		Mscf/h																											

Date: 02-21-2019 Signature: Paul A Mateja

CGTG TURBINE

UTILITIES AND INFRASTRUCTURE

Natural Gas Compressor		Units	Low	Norm	Max	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
GAS COMPRESSOR START TIME												07:05																	
Combustible Gas Detector	AAH-303	%		0%	20%																								
Packing Lube Oil Flow Indicator Left Side	FSL-1501B	LIGHT		BLINK																									
Liquid Level Coalescing	LI-7721	LIQID		EMPTY	ANY																								
Crankcase Bulls eye	LC-1574	LEVEL	1/4	1/2	FULL																								
Oil Day Tank Level	LI-1562	GAL	10		FULL																								
Lubricator Bulls eye		LEVEL	1/2	FULL																									
1st Stage Scrubber Liquid Level	LI-7416	LIQID		EMPTY	ANY																								
2nd Stage Scrubber Liquid Level	LI-7466	LIQID		EMPTY	ANY																								
Packing Lube Oil Flow Indicator Right Side	FSL-1501A	LIGHT		BLINK																									
1st Stage Inlet Press.	PI-2100	psig		88	140																								
Stage Disch. Press	PI-2101	psig		238	285																								
2nd Stage Inlet Press	PI-2200	psig		267	285																								
2nd Stage Disch. Press	PI-2201	psig		575	600																								
Final Discharge Pressure	PI-2108	psig		575	600																								
Lube Oil Pressure	PI-1572	psig	40	60																									
Lube Oil Temp	TE-1584	deg		150	170																								
Final Discharge Temp	TE-2120	deg		110	150																								
1st Stage Cylinder Disch. Temperature A	TE-2054 A	deg		226	297																								
2ndStage Cylinder Disch. Temperature A	TE-2062 A	deg		258	283																								
1st Stage Cylinder Disch. Temperature B	TE-2054 B	deg		226	297																								
2nd Stage Cylinder Disch. Temperature B	TE-2062 B	deg		258	283																								
Motor Frame Vibration	VT-1015	IPS			0.15																								
Compresser Frame Vibration	VT-1512	IPS			0.35																								
Take Once per Shift / at Full Load		psig		Max psid		When the differential pressure exceeds Max psid the filter should be changed out. Notify System Engineer																							
Natural Gas Comp.Discharge Press.																													
Double Block and Bleed Pressure	A63FGDT	49-48=psid			8																								
Fuel Gas Supply Pressure	A63FTGST	50-49=psid			20																								

DATE	02-22-2019
SIGNATURE	
Mid Shift	
Days Shift	

Notes CGTG warm up / oil samples

Date: 4-24-19

CGTG HOURLY READING LOG

JP 4-26-19

MST / MDT (circle one)

Time Gas Introduced (Turbine Rolling): 1254 + 1600 1558

Time of Turbine Online (Brkr Closed):

Time Turbine Offline (Brkr Open): ~~1620~~ 1623 1628

Time No Gas Flow:

Notes: FUNCTIONAL TESTING PERFORMED. PROBLEM WITH CODE TO CLOSE BREAKER 1342 STOP INITIATED

	Instrument Air Compressor	I.D	Units	Low	Norm	Max	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	Blowdown Dry Receiver Tank Hourly	BVT-013	v																											
2	Blowdown Wet Receiver Tank Hourly	BVT-007	v																											
3	Wet Receiver Air Pressure	PI-002	psig	90	105	120																								
4	Instrument Temperature	TI-001	deg C		20	50																								
5	Fin Fan Cooler		Units	Low	Norm	Max																								
6	Coolant Pressure	PI-250	psig		25																									
7	Coolant PLC Temperature	TI-002	deg F	100	110	120																								
8	Sight glass Level Expansion Tank	LI-001	LEVEL	1/3	2/3	FULL																								
9	Coolant Return Differential from GG	FI-001	In WC		60	80																								
10	Coolant Return Differential from	FI-002	In WC		37	50																								
11	Control Room		Units	Low	Norm	Max																								
12	Room Temperature		deg F		72	85																								
13	Combustible Gas Detector Monitor		% LEL	0%	0%	20%																								
15	WECC Log		Operational?																											
16	Operation of PSS/on at 6.3MW		Yes (Y)			No (N)																								
17	Operation of AVR Voltage Mode @ 13.6 KV		Yes (Y)			No (N)																								
	Entronic Control System		Units	Low	Norm	Max																								
	(18–20 found on Air Diagram page)																													
18	2000 gal Oil Water Tank Level	LI-231	%			70%																								
19	10 gal gas TG Drain Tank (Air Diagram page)	LI-230	%			70%																								
20	Record on hard S/D trip over 4500 rpm NL Compressor (on line trip)	A63GGD 5T-01	psig	35	20																									
21	Acknowledge Alarms Hourly		v																											
	(22–24 found on Power Management page)																													
22	Generator Current		Amps			1200																								
23	Mw Output		MW			27																								
24	80% Base Load Minimum		MW																											
25	Running Hours (unit overview)																													
26	Ambient Temperature	T1 inlet																												
	(27–28 found on Gas Fuel System page)																													
27	Waste Oil Tank	LI-120	%			70%																								
28	Total Fuel Flow		Mscf/h																											

Date: 4-24-19 Signature: JAMES WILLIAMS OPERATOR — L PACHECO

CGTG TURBINE

UTILITIES AND INFRASTRUCTURE

Natural Gas Compressor		Units	Low	Norm	Max	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
GAS COMPRESSOR START TIME	1237																1237												
Combustible Gas Detector	AAH-303	%		0%	20%																								
Packing Lube Oil Flow Indicator Left Side	FSL-1501B	LIGHT		BLINK																									
Liquid Level Coalescing	LI-7721	LIQID		EMPTY	ANY																								
Crankcase Bulls eye	LC-1574	LEVEL	1/4	1/2	FULL																								
Oil Day Tank Level	LI-1562	GAL	10		FULL																								
Lubricator Bulls eye		LEVEL	1/2	FULL																									
1st Stage Scrubber Liquid Level	LI-7416	LIQID		EMPTY	ANY																								
2nd Stage Scrubber Liquid Level	LI-7466	LIQID		EMPTY	ANY																								
Packing Lube Oil Flow Indicator Right Side	FSL-1501A	LIGHT		BLINK																									
1st Stage Inlet Press.	PI-2100	psig		88	140																								
Stage Disch. Press	PI-2101	psig		238	285																								
2nd Stage Inlet Press	PI-2200	psig		267	285																								
2nd Stage Disch. Press	PI-2201	psig		575	600																								
Final Discharge Pressure	PI-2108	psig		575	600																								
Lube Oil Pressure	PI-1572	psig	40	60																									
Lube Oil Temp	TE-1584	deg		150	170																								
Final Discharge Temp	TE-2120	deg		110	150																								
1st Stage Cylinder Disch. Temperature A	TE-2054 A	deg		226	297																								
2ndStage Cylinder Disch. Temperature A	TE-2062 A	deg		258	283																								
1st Stage Cylinder Disch. Temperature B	TE-2054 B	deg		226	297																								
2nd Stage Cylinder Disch. Temperature B	TE-2062 B	deg		258	283																								
Motor Frame Vibration	VT-1015	IPS			0.15																								
Compresser Frame Vibration	VT-1512	IPS			0.35																								
Take Once per Shift / at Full Load		psig		Max psid		When the differential pressure exceeds Max psid the filter should be changed out. Notify System Engineer																							
Natural Gas Comp.Discharge Press.																													
Double Block and Bleed Pressure	A63FGDT	49-48=psid			8																								
Fuel Gas Supply Pressure	A63FTGST	50-49=psid			20																								

DATE 4-24-19

SIGNATURE

Mid Shift

Days Shift JAMES WILLIAMS OPERATOR - L PACHECO

Notes FUNCTIONAL TESTING

Date: 4-25-19

APRIL 25 2019

UI-LOG-033-R2
January 4 2018

MST / MDT (circle one)

CGTG HOURLY READING LOG

Time Gas Introduced (Turbine Rolling): 0645

Time of Turbine Online (Brkr Closed): 0807

Time Turbine Offline (Brkr Open): 1558

Time No Gas Flow: 1605

Notes:

	Instrument Air Compressor	I.D	Units	Low	Norm	Max	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	Blowdown Dry Receiver Tank Hourly	BVT-013	v											/	/	✓	✓	✓	✓	✓	✓									
2	Blowdown Wet Receiver Tank Hourly	BVT-007	v											/	/	✓	✓	✓	✓	✓	✓									
3	Wet Receiver Air Pressure	PI-002	psig	90	105	120								108	108	108	106	108	107	106	106									
4	Instrument Temperature	TI-001	deg C		20	50								24	24	24	24	24	24	24	24									
5	Fin Fan Cooler		Units	Low	Norm	Max																								
6	Coolant Pressure	PI-250	psig		25									19.2	19½	19	19	19	19	19	19									
7	Coolant PLC Temperature	TI-002	deg F	100	110	120								104	106	109	100	102	101	100	105									
8	Sight glass Level Expansion Tank	LI-001	LEVEL	1/3	2/3	FULL								½	½	½	½	½	½	½	½									
9	Coolant Return Differential from GG	FI-001	In WC		60	80								63	65	60	65	65	65	65	65									
10	Coolant Return Differential from	FI-002	In WC		37	50								35	35	35	35	35	35	35	35									
11	Control Room		Units	Low	Norm	Max																								
12	Room Temperature		deg F		72	85								77	78	70	70	72	72	72	72									
13	Combustible Gas Detector Monitor		% LEL	0%	0%	20%								0	0	0	0	0	0	0	0									
15	WECC Log		Operational?																											
16	Operation of PSS/on at 6.3MW		Yes (Y)			No (N)								Yes	YES	YES	YES	YES	YES	YES	YES									
17	Operation of AVR Voltage Mode @ 13.6 KV		Yes (Y)			No (N)								Y	YES	YES	YES	YES	YES	YES	YES									
	Entronic Control System		Units	Low	Norm	Max																								
	(18–20 found on Air Diagram page)																													
18	2000 gal Oil Water Tank Level	LI-231	%			70%								9	9	9	9	9	9	9	8									
19	10 gal gas TG Drain Tank (Air Diagram page)	LI-230	%			70%								0	0	0	0	0	0	0	0									
20	Record on hard S/D trip over 4500 rpm NL Compressor (on line trip)	A63GGD ST-01	psig	35	20									✓	—	NA	NA	NA	NA	NA	NA									
21	Acknowledge Alarms Hourly		v											✓	✓	✓	✓	✓	✓	✓	✓									
	(22–24 found on Power Management page)																													
22	Generator Current		Amps			1200								965	950	950	925	925	950	925	950									
23	Mw Output		MW			27								22.9	23	23	22	22	23	22	22									
24	80% Base Load Minimum		MW																											
25	Running Hours (unit overview)													4021	4022	4023	4024	4025	4026	4027	4028									
26	Ambient Temperature	T1 inlet												57	58	62	66	69	70	65	67									
	(27–28 found on Gas Fuel System page)																													
27	Waste Oil Tank	LI-120	%			70%								39	39	37	37	37	37	38	38									
28	Total Fuel Flow		Mscf/h											6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0									

Date: 4-25-19 Signature: Jaime

UI-LOG-033-R2
January 4 2018

APRIL 25 2019

CGTG TURBINE

UTILITIES AND INFRASTRUCTURE

Natural Gas Compressor		Units	Low	Norm	Max	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
GAS COMPRESSOR START TIME											0645																		
Combustible Gas Detector	AAH-303	%		0%	20%																								
Packing Lube Oil Flow Indicator Left Side	FSL-1501B	LIGHT		BLINK									B	B	B	B	B	B	B	B									
Liquid Level Coalescing	LI-7721	LIQID		EMPTY	ANY								E	E	E	E	E	E	E	E									
Crankcase Bulls eye	LC-1574	LEVEL	1/4	1/2	FULL								1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2									
Oil Day Tank Level	LI-1562	GAL	10		FULL								44	44	44	44	44	44	44	44									
Lubricator Bulls eye		LEVEL	1/2	FULL									3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8									
1st Stage Scrubber Liquid Level	LI-7416	LIQID		EMPTY	ANY								E	E	E	E	E	E	E	E									
2nd Stage Scrubber Liquid Level	LI-7466	LIQID		EMPTY	ANY								E	E	E	E	E	E	E	E									
Packing Lube Oil Flow Indicator Right Side	FSL-1501A	LIGHT		BLINK									B	B	B	B	B	B	B	B									
1st Stage Inlet Press.	PI-2100	psig		88	140								82	82	85	83	83	83	83	83									
Stage Disch. Press	PI-2101	psig		238	285								252	252	253	253	254	254	255	256									
2nd Stage Inlet Press	PI-2200	psig		267	285								248	248	249	250	250	250	251	251									
2nd Stage Disch. Press	PI-2201	psig		575	600								579	579	579	579	579	579	579	579									
Final Discharge Pressure	PI-2108	psig		575	600								574	575	575	575	575	575	575	575									
Lube Oil Pressure	PI-1572	psig	40	60									59	59	60	60	60	60	60	60									
Lube Oil Temp	TE-1584	deg		150	170								166	166	166	166	165	165	165	166									
Final Discharge Temp	TE-2120	deg		110	150								97	97	97	100	105	105	104	105									
1st Stage Cylinder Disch. Temperature A	TE-2054 A	deg		226	297								222	224	224	224	224	224	222	222									
2nd Stage Cylinder Disch. Temperature A	TE-2062 A	deg		258	283								226	226	226	235	235	235	233	233									
1st Stage Cylinder Disch. Temperature B	TE-2054 B	deg		226	297								220	220	220	222	222	222	220	220									
2nd Stage Cylinder Disch. Temperature B	TE-2062 B	deg		258	283								227	227	227	234	234	234	233	234									
Motor Frame Vibration	VT-1015	IPS			0.15								.05	.05	.05	.05	.05	.05	.05	.05									
Compresser Frame Vibration	VT-1512	IPS			0.35								.05	.05	.05	.05	.05	.05	.05	.05									
Take Once per Shift / at Full Load		psig		Max psid		When the differential pressure exceeds Max psid the filter should be changed out. Notify System Engineer																							
Natural Gas Comp.Discharge Press.																													
Double Block and Bleed Pressure	A63FGDT	49-48=psid			8									570															
Fuel Gas Supply Pressure	A63FTGST	50-49=psid			20									570															
														558															

DATE 4-25-19

0800 Gas 818812 - 55666

SIGNATURE

Mid Shift

Days Shift

Notes

CGTG HOURLY READING LOG

Date: 5-2-19

MST (MDT) (circle one)

Time Gas Introduced (Turbine Rolling): 701

Time of Turbine Online (Brkr Closed): 0754

Time Turbine Offline (Brkr Open): 1559

Time No Gas Flow: 1606

Notes: coolant pressure broken in repair per Job B.

	Instrument Air Compressor	I.D	Units	Low	Norm	Max	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	Blowdown Dry Receiver Tank Hourly	BVT-013	√											√	√	√	√	√	√	√	√									
2	Blowdown Wet Receiver Tank Hourly	BVT-007	√											√	√	√	√	√	√	√	√									
3	Wet Receiver Air Pressure	PI-002	psig	90	105	120								110	106	112	112	111	108	112	111									
4	Instrument Temperature	TI-001	deg C		20	50								20	20	20	20	20	20	21	22									
5	Fin Fan Cooler		Units	Low	Norm	Max																								
6	Coolant Pressure	PI-250	psig		25												18.6	18.9	18.9	18.9	18.9									
7	Coolant PLC Temperature	TI-002	deg F	100	110	120								106→~~84~~	104	105	100	110	104	107	105									
8	Sight glass Level Expansion Tank	LI-001	LEVEL	1/3	2/3	FULL								2/3	2/3	2/3	2/3	2/3	2/3	2/3	2/3									
9	Coolant Return Differential from GG	FI-001	In WC		60	80								60	61	60	61	61	64	64	64									
10	Coolant Return Differential from	FI-002	In WC		37	50								35	35	36	35	36	37	35	39									
11	Control Room		Units	Low	Norm	Max																								
12	Room Temperature		deg F		72	85								70	69	69	71	72	72	73	74									
13	Combustible Gas Detector Monitor		% LEL	0%	0%	20%								0	0	0	0	0	0	0	0									
15	WECC Log		Operational?																											
16	Operation of PSS/on at 6.3MW		Yes (Y)			No (N)								Y	Y	Y	Y	Y	Y	Y	Y									
17	Operation of AVR Voltage Mode @ 13.6 KV		Yes (Y)			No (N)								Y	Y	Y	Y	Y	Y	Y	Y									
	Entronic Control System		Units	Low	Norm	Max																								
	(18–20 found on Air Diagram page)																													
18	2000 gal Oil Water Tank Level	LI-231	%			70%								9	9	9	9	9	9	9	9									
19	10 gal gas TG Drain Tank (Air Diagram page)	LI-230	%			70%								0	0	0	0	0	0	0	0									
20	Record on hard S/D trip over 4500 rpm NL Compressor (on line trip)	A63GGD ST-01	psig	35	20																									
21	Acknowledge Alarms Hourly		√											√	√	√	√	√	√	√	√									
	(22–24 found on Power Management page)																													
22	Generator Current		Amps			1200								1037	1043	1027	1013	996	983	966	942									
23	Mw Output		MW			27								~~24.6~~ 24.5	24.6	24.3	24.0	23.3	23.2	22.6	22.3									
24	80% Base Load Minimum		MW											20.2	20.0	19.8	19.6	19.4	19.0	19.0	18.8									
25	Running Hours (unit overview)													4030	4031	4032	4033	4034	4034	4035	4037									
26	Ambient Temperature	T1 inlet												46.6	~~47.5~~ 47.5	50.8	53.3	56.7	58.3	61.7	65.0									
	(27–28 found on Gas Fuel System page)																													
27	Waste Oil Tank	LI-120	%			70%								40	39	39	39	39	39	39	39									
28	Total Fuel Flow		Mscf/h											6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0									

Date: 5-2-19 Signature: Josh Arnett

CGTG TURBINE

UTILITIES AND INFRASTRUCTURE

Natural Gas Compressor		Units	Low	Norm	Max	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
GAS COMPRESSOR START TIME	0632																												
Combustible Gas Detector	AAH-303	%		0%	20%								MA																
Packing Lube Oil Flow Indicator Left Side	FSL-1501B	LIGHT		BLINK									B	B	B	B	B	B	B	B									
Liquid Level Coalescing	LI-7721	LIQID		EMPTY	ANY								E	E	E	E	E	E	E	E									
Crankcase Bulls eye	LC-1574	LEVEL	1/4	1/2	FULL								1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2									
Oil Day Tank Level	LI-1562	GAL	10		FULL								41	41	41	41	41	41	41	41									
Lubricator Bulls eye		LEVEL	1/2	FULL									3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4									
1st Stage Scrubber Liquid Level	LI-7416	LIQID		EMPTY	ANY								E	E	E	E	E	E	E	E									
2nd Stage Scrubber Liquid Level	LI-7466	LIQID		EMPTY	ANY								E	E	E	E	E	E	E	E									
Packing Lube Oil Flow Indicator Right Side	FSL-1501A	LIGHT		BLINK									B	B	B	B	B	B	B	B									
1st Stage Inlet Press.	PI-2100	psig		88	140								83	82	83	82	83	83	83	83									
Stage Disch. Press	PI-2101	psig		238	285								250	250	251	252	252	253	253	254									
2nd Stage Inlet Press	PI-2200	psig		267	285								246	246	247	248	248	249	249	250									
2nd Stage Disch. Press	PI-2201	psig		575	600								579	579	579	579	579	579	579	579									
Final Discharge Pressure	PI-2108	psig		575	600								575	574	575	575	575	575	574	575									
Lube Oil Pressure	PI-1572	psig	40	60									59	58	58	59	59	59	59	59									
Lube Oil Temp	TE-1584	deg		150	170								168	168	166	166	165	164	164	164									
Final Discharge Temp	TE-2120	deg		110	150								85	87	90	94	96	99	102	103									
1st Stage Cylinder Disch. Temperature A	TE-2054 A	deg		226	297								217	218	218	219	219	221	222	223									
2nd Stage Cylinder Disch. Temperature A	TE-2062 A	deg		258	283								219	220	223	226	228	230	232	233									
1st Stage Cylinder Disch. Temperature B	TE-2054 B	deg		226	297								215	216	216	217	217	218	219	221									
2nd Stage Cylinder Disch. Temperature B	TE-2062 B	deg		258	283								219	220	223	226	228	230	232	233									
Motor Frame Vibration	VT-1015	IPS			0.15								.04	.04	.04	.04	.04	.04	.04	.04									
Compresser Frame Vibration	VT-1512	IPS			0.35								.05	.05	.05	.05	.05	.05	.06	.05									
Take Once per Shift / at Full Load		psig		Max psid		When the differential pressure exceeds Max psid the filter should be changed out. Notify System Engineer																							
Natural Gas Comp.Discharge Press.														575															
Double Block and Bleed Pressure	A63FGDT	49-48=psid			8									570															
Fuel Gas Supply Pressure	A63FTGST	50-49=psid			20									552	1														

DATE 5-2-19

SIGNATURE

Mid Shift

~~Days Shift~~

Notes 0632

MAY 09 2019

UI-LOG-033-R2
January 4 2018

Date: MAY 09 2019

CGTG HOURLY READING LOG

MST / (MDT) (circle one)

Time Gas Introduced (Turbine Rolling): 0710

Time of Turbine Online (Brkr Closed): 0757

Time Turbine Offline (Brkr Open): 1601

Time No Gas Flow: 1607

Notes:

	Instrument Air Compressor	I.D	Units	Low	Norm	Max	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	Blowdown Dry Receiver Tank Hourly	BVT-013	v												✓	✓	✓	✓	✓	✓	✓									
2	Blowdown Wet Receiver Tank Hourly	BVT-007	v												✓	✓	✓	✓	✓	✓	✓									
3	Wet Receiver Air Pressure	PI-002	psig	90	105	120									105	108	104	106	104	102	106									
4	Instrument Temperature	TI-001	deg C		20	50									18	20	18	18	18	18	18									
5	Fin Fan Cooler		Units	Low	Norm	Max																								
6	Coolant Pressure	PI-250	psig		25										19	19	19	19	19	19	19									
7	Coolant PLC Temperature	TI-002	deg F	100	110	120									107	106	98	101	102	100	104									
8	Sight glass Level Expansion Tank	LI-001	LEVEL	1/3	2/3	FULL									2/3	2/3	2/3	2/3	2/3	2/3	2/3									
9	Coolant Return Differential from GG	FI-001	In WC		60	80									60	60	60	60	60	60	60									
10	Coolant Return Differential from	FI-002	In WC		37	50									35	35	35	35	35	35	35									
11	Control Room		Units	Low	Norm	Max																								
12	Room Temperature		deg F		72	85									64	66	68	69	69	71	73									
13	Combustible Gas Detector Monitor		% LEL	0%	0%	20%									Ø	Ø	Ø	Ø	Ø	Ø	Ø									
15	WECC Log		Operational?																											
16	Operation of PSS/on at 6.3MW		Yes (Y)			No (N)									YES	YES	YES	YES	YES	YES	YES									
17	Operation of AVR Voltage Mode @ 13.6 KV		Yes (Y)			No (N)									YES	YES	YES	YES	YES	YES	YES									
	Entronic Control System		Units	Low	Norm	Max																								
	(18–20 found on Air Diagram page)																													
18	2000 gal Oil Water Tank Level	LI-231	%			70%									9	9	9	9	9	9	9									
19	10 gal gas TG Drain Tank (Air Diagram page)	LI-230	%			70%									Ø	Ø	Ø	Ø	Ø	Ø	Ø									
20	Record on hard S/D trip over 4500 rpm NL Compressor (on line trip)	A63GGD 5T-01	psig	35	20																									
21	Acknowledge Alarms Hourly		v												✓	✓	✓	✓	✓	✓	✓									
	(22–24 found on Power Management page)																													
22	Generator Current		Amps			1200									1085	1088	1081	1078	1074	1076	1063									
23	Mw Output		MW			27									25.6	25.6	25.6	25.5	25.3	25.3	25.0									
24	80% Base Load Minimum		MW												20.4	20.4	20.4	20.4	20.2	20.2	20.1									
25	Running Hours (unit overview)																													
26	Ambient Temperature	T1 inlet													37	38	38	39	39	40	43									
	(27–28 found on Gas Fuel System page)																													
27	Waste Oil Tank	LI-120	%			70%									40	40	40	40	40	40	40									
28	Total Fuel Flow		Mscf/h												6	6	6	6	6	6	6									

Date: MAY 09 2019 Signature: Williams

MAY 09 2019

UI-LOG-034-R2
December 5, 2018

CGTG TURBINE UTILITIES AND INFRASTRUCTURE

Natural Gas Compressor		Units	Low	Norm	Max	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
GAS COMPRESSOR START TIME	0645																												
Combustible Gas Detector	AAH-303	%		0%	20%									✓	✓	✓	✓	✓	✓	✓									
Packing Lube Oil Flow Indicator Left Side	FSL-1501B	LIGHT		BLINK										B	B	B	B	B	B	B									
Liquid Level Coalescing	LI-7721	LIQID		EMPTY	ANY									E	E	E	E	E	E	E									
Crankcase Bulls eye	LC-1574	LEVEL	1/4	1/2	FULL									1/2	1/2	1/2	1/2	1/2	1/2	1/2									
Oil Day Tank Level	LI-1562	GAL	10		FULL									5/8	5/8	5/8	5/8	5/8	5/8	5/8									
Lubricator Bulls eye		LEVEL	1/2	FULL										1/2	1/2	1/2	1/2	1/2	1/2	1/2									
1st Stage Scrubber Liquid Level	LI-7416	LIQID		EMPTY	ANY									E	E	E	E	E	E	E									
2nd Stage Scrubber Liquid Level	LI-7466	LIQID		EMPTY	ANY									E	E	E	E	E	E	E									
Packing Lube Oil Flow Indicator Right Side	FSL-1501A	LIGHT		BLINK										B	B	B	B	B	B	B									
1st Stage Inlet Press.	PI-2100	psig		88	140									83	86	83	83	83	83	83									
Stage Disch. Press	PI-2101	psig		238	285									249	249	249	250	251	252	252									
2nd Stage Inlet Press	PI-2200	psig		267	285									245	245	246	246	246	246	246									
2nd Stage Disch. Press	PI-2201	psig		575	600									579	579	579	579	579	579	579									
Final Discharge Pressure	PI-2108	psig		575	600									575	575	575	575	575	575	575									
Lube Oil Pressure	PI-1572	psig	40	60										50	50	58	58	58	58	58									
Lube Oil Temp	TE-1584	deg		150	170									170	170	169	170	170	170	170									
Final Discharge Temp	TE-2120	deg		110	150									78	88	79	80	80	80	83									
1st Stage Cylinder Disch. Temperature A	TE-2054 A	deg		226	297									214	214	213	213	213	213	213									
2nd Stage Cylinder Disch. Temperature A	TE-2062 A	deg		258	283									212	212	212	212	213	213	215									
1st Stage Cylinder Disch. Temperature B	TE-2054 B	deg		226	297									216	216	211	211	211	211	211									
2nd Stage Cylinder Disch. Temperature B	TE-2062 B	deg		258	283									212	212	213	214	214	214	216									
Motor Frame Vibration	VT-1015	IPS			0.15									.03	.05	.03	.03	.03	.03	.03									
Compresser Frame Vibration	VT-1512	IPS			0.35									.05	.05	.05	.05	.05	.05	.05									
Take Once per Shift / at Full Load		psig		Max psid		When the differential pressure exceeds Max psid the filter should be changed out. Notify System Engineer																							
Natural Gas Comp.Discharge Press.																													
Double Block and Bleed Pressure	A63FGDT	49-48=psid			8																								
Fuel Gas Supply Pressure	A63FTGST	50-49=psid			20																								

DATE MAY 09 2019

SIGNATURE

Mid Shift

Days Shift Williams

Notes

Date: 05-16-2019

CGTG HOURLY READING LOG

MST / MDT (circle one)

Time Gas Introduced (Turbine Rolling): 0718

Time of Turbine Online (Brkr Closed): 0755

Time Turbine Offline (Brkr Open): 1559

Time No Gas Flow: 1605

Notes:

	Instrument Air Compressor	I.D	Units	Low	Norm	Max	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	Blowdown Dry Receiver Tank Hourly	BVT-013	v											✓	✓	✓	✓	✓	✓	✓	✓									
2	Blowdown Wet Receiver Tank Hourly	BVT-007	v											✓	✓	✓	✓	✓	✓	✓	✓									
3	Wet Receiver Air Pressure	PI-002	psig	90	105	120								105	105	105	110	105	106	104	105									
4	Instrument Temperature	TI-001	deg C		20	50								24	25	25	25	25	26	26	26									
5	Fin Fan Cooler		Units	Low	Norm	Max																								
6	Coolant Pressure	PI-250	psig		25									19	19	19	18.5	19	19	19	19									
7	Coolant PLC Temperature	TI-002	deg F	100	110	120								106	108	100	111	110	104	108	111									
8	Sight glass Level Expansion Tank	LI-001	LEVEL	1/3	2/3	FULL								1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2									
9	Coolant Return Differential from GG	FI-001	In WC		60	80								63	63	63	63	63	63	63	63									
10	Coolant Return Differential from	FI-002	In WC		37	50								36	36	36	36	36	36	36	36									
11	Control Room		Units	Low	Norm	Max																								
12	Room Temperature		deg F		72	85								72	72	72	72	72	72	72	72									
13	Combustible Gas Detector Monitor		% LEL	0%	0%	20%								0	0	0	0	0	0	0	0									
15	WECC Log		Operational?																											
16	Operation of PSS/on at 6.3MW		Yes (Y)			No (N)								Y	Y	Y	Y	Y	Y	Y	Y									
17	Operation of AVR Voltage Mode @ 13.6 KV		Yes (Y)			No (N)								Y	Y	Y	Y	Y	Y	Y	Y									
	Entronic Control System		Units	Low	Norm	Max																								
	(18–20 found on Air Diagram page)																													
18	2000 gal Oil Water Tank Level	LI-231	%			70%								10	10	10	10	10	10	10	10									
19	10 gal gas TG Drain Tank (Air Diagram page)	LI-230	%			70%								0	0	0	0	0	0	0	0									
20	Record on hard S/D trip over 4500 rpm NL Compressor (on line trip)	A63GGD 5T-01	psig	35	20																									
21	Acknowledge Alarms Hourly		v											✓	✓	✓	✓	✓	✓	✓	✓									
	(22–24 found on Power Management page)																													
22	Generator Current		Amps			1200								900	910	910	910	900	910	900	900									
23	Mw Output		MW			27								22	22	22	21.6	21.6	21.6	21.3	21.3									
24	80% Base Load Minimum		MW											17.6	17.6	17.6	17.3	17.3	17.3	17	17									
25	Running Hours (unit overview)													4047	4048	4049	4050	4051	4052	4053	4054									
26	Ambient Temperature	T1 inlet												64.2	67.5	67.5	70	69.2	69.2	70.9	70.9									
	(27–28 found on Gas Fuel System page)																													
27	Waste Oil Tank	LI-120	%			70%								41	40	40	40	40	40	40	41									
28	Total Fuel Flow		Mscf/h											6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0									

Date: 05-16-2019 Signature: Gomez

CGTG TURBINE

UTILITIES AND INFRASTRUCTURE

Natural Gas Compressor		Units	Low	Norm	Max	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
GAS COMPRESSOR START TIME	0657																												
Combustible Gas Detector	AAH-303	%		0%	20%								005																
Packing Lube Oil Flow Indicator Left Side	FSL-1501B	LIGHT		BLINK									B	B	B	B	B	B	B	B									
Liquid Level Coalescing	LI-7721	LIQID		EMPTY	ANY								E	E	E	E	E	E	E	E									
Crankcase Bulls eye	LC-1574	LEVEL	1/4	1/2	FULL								1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2									
Oil Day Tank Level	LI-1562	GAL	10		FULL								40	40	40	40	40	40	40	40									
Lubricator Bulls eye		LEVEL	1/2	FULL									F	F	F	F	F	F	F	F									
1st Stage Scrubber Liquid Level	LI-7416	LIQID		EMPTY	ANY								E	E	E	E	E	E	E	E									
2nd Stage Scrubber Liquid Level	LI-7466	LIQID		EMPTY	ANY								E	E	E	E	E	E	E	E									
Packing Lube Oil Flow Indicator Right Side	FSL-1501A	LIGHT		BLINK									B	B	B	B	B	B	B	B									
1st Stage Inlet Press.	PI-2100	psig		88	140								83	83	83	83	83	83	83	83									
Stage Disch. Press	PI-2101	psig		238	285								253	254	254	254	254	254	255	256									
2nd Stage Inlet Press	PI-2200	psig		267	285								250	250	250	250	250	251	251	252									
2nd Stage Disch. Press	PI-2201	psig		575	600								579	579	579	579	579	579	579	579									
Final Discharge Pressure	PI-2108	psig		575	600								575	575	575	575	575	575	575	576									
Lube Oil Pressure	PI-1572	psig	40	60									60	60	60	60	60	60	60	60									
Lube Oil Temp	TE-1584	deg		150	170								163	163	163	164	164	163	163	163									
Final Discharge Temp	TE-2120	deg		110	150								104	108	107	109	110	110	111	112									
1st Stage Cylinder Disch. Temperature A	TE-2054 A	deg		226	297								227	228	227	228	228	227	228	227									
2nd Stage Cylinder Disch. Temperature A	TE-2062 A	deg		258	283								235	238	238	239	240	240	241	241									
1st Stage Cylinder Disch. Temperature B	TE-2054 B	deg		226	297								226	226	225	226	226	225	225	225									
2nd Stage Cylinder Disch. Temperature B	TE-2062 B	deg		258	283								235	238	238	239	240	240	241	241									
Motor Frame Vibration	VT-1015	IPS			0.15								.04	.04	.04	.04	.04	.04	.04	.04									
Compresser Frame Vibration	VT-1512	IPS			0.35								.05	.05	.05	.05	.05	.05	.06	.05									
Take Once per Shift / at Full Load		psig		Max psid		When the differential pressure exceeds Max psid the filter should be changed out. Notify System Engineer																							
Natural Gas Comp.Discharge Press.													575																
Double Block and Bleed Pressure	A63FGDT	49-48=psid			8								570																
Fuel Gas Supply Pressure	A63FTGST	50-49=psid			20								559																

DATE 05-16-2019

SIGNATURE Gomez

Mid Shift

Days Shift

Notes

UI-LOG-033-R2
January 4 2018

Date: 5-23-2019

CGTG HOURLY READING LOG

MST / MDT (circle one)

Time Gas Introduced (Turbine Rolling): 0645 / 0819 — 0809

Time of Turbine Online (Brkr Closed):

Time Turbine Offline (Brkr Open): 1557 / 1604

Time No Gas Flow:

Notes: 0754 UNIT TRIP

	Instrument Air Compressor	I.D	Units	Low	Norm	Max	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	Blowdown Dry Receiver Tank Hourly	BVT-013	v											/	/	/	/	/	/	/	/									
2	Blowdown Wet Receiver Tank Hourly	BVT-007	v											/	/	/	/	/	/	/	/									
3	Wet Receiver Air Pressure	PI-002	psig	90	105	120								110	106	106	104	104	110	104	108									
4	Instrument Temperature	TI-001	deg C		20	50								14	23	23	23	23	23	23	23									
5	Fin Fan Cooler		Units	Low	Norm	Max																								
6	Coolant Pressure	PI-250	psig		25									18.8	18.8	18.8	18.6	18.8	18.8	18.8	18.8									
7	Coolant PLC Temperature	TI-002	deg F	100	110	120								98	107	105	110	105	106	108	108									
8	Sight glass Level Expansion Tank	LI-001	LEVEL	1/3	2/3	FULL								1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2									
9	Coolant Return Differential from GG	FI-001	In WC		60	80								62	62	62	62	62	63	63	62									
10	Coolant Return Differential from	FI-002	In WC		37	50								36	36	36	36	36	36	36	36									
11	Control Room		Units	Low	Norm	Max																								
12	Room Temperature		deg F		72	85								72	72	72	72	72	72	72	72									
13	Combustible Gas Detector Monitor		% LEL	0%	0%	20%								0	0	0	0	0	0	0	0									
15	WECC Log		Operational?																											
16	Operation of PSS/on at 6.3MW		Yes (Y)			No (N)								YES	YES	YES	YES	YES	YES	YES	YES									
17	Operation of AVR Voltage Mode @ 13.6 KV		Yes (Y)			No (N)								YES	YES	YES	YES	YES	YES	YES	YES									
	Entronic Control System		Units	Low	Norm	Max																								
	(18–20 found on Air Diagram page)																													
18	2000 gal Oil Water Tank Level	LI-231	%			70%								11	11	10	10	10	10	10	10									
19	10 gal gas TG Drain Tank (Air Diagram page)	LI-230	%			70%								0	0	0	0	0	0	0	0									
20	Record on hard S/D trip over 4500 rpm NL Compressor (on line trip)	A63GGD 5T-01	psig	35	20																									
21	Acknowledge Alarms Hourly		v											✓	✓	/	/	/	/	/	/									
	(22–24 found on Power Management page)																													
22	Generator Current		Amps			1200								965	962	949	949	930	937	938	938									
23	Mw Output		MW			27								22.8	22.9	22.6	22.6	22.3	22.3	22.3	22.3									
24	80% Base Load Minimum		MW											18.2	18.3	18.1	18.1	17.8	17.8	17.8	17.8									
25	Running Hours (unit overview)													4057	4057	4058	4059	4060	4061	4062	4063									
26	Ambient Temperature	T1 inlet												57	15°C	16°C	16°C	65°F	64	63	63									
	(27–28 found on Gas Fuel System page)																													
27	Waste Oil Tank	LI-120	%			70%								42	42	42	42	42	42	42	42									
28	Total Fuel Flow		Mscf/h											6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0									

Date: 5-23-19 Signature: L Pacheco

CGTG TURBINE

UTILITIES AND INFRASTRUCTURE

Natural Gas Compressor		Units	Low	Norm	Max	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
GAS COMPRESSOR START TIME											625																		
Combustible Gas Detector	AAH-303	%		0%	20%																								
Packing Lube Oil Flow Indicator Left Side	FSL-1501B	LIGHT		BLINK									B	B	B	B	B	B	B	B									
Liquid Level Coalescing	LI-7721	LIQID		EMPTY	ANY								E	E	E	E	E	E	E	E									
Crankcase Bulls eye	LC-1574	LEVEL	1/4	1/2	FULL								1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2									
Oil Day Tank Level	LI-1562	GAL	10		FULL								39	39	39	39	39	38	38	38									
Lubricator Bulls eye		LEVEL	1/2	FULL									3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4									
1st Stage Scrubber Liquid Level	LI-7416	LIQID		EMPTY	ANY								E	E	E	E	E	E	E	E									
2nd Stage Scrubber Liquid Level	LI-7466	LIQID		EMPTY	ANY								E	E	E	E	E	E	E	E									
Packing Lube Oil Flow Indicator Right Side	FSL-1501A	LIGHT		BLINK									B	B	B	B	B	B	B	B									
1st Stage Inlet Press.	PI-2100	psig		88	140								82	83	82	83	83	83	83	83									
Stage Disch. Press	PI-2101	psig		238	285								252	252	253	253	253	253	254	253									
2nd Stage Inlet Press	PI-2200	psig		267	285								248	248	249	249	249	250	250	250									
2nd Stage Disch. Press	PI-2201	psig		575	600								578	579	579	579	579	579	579	579									
Final Discharge Pressure	PI-2108	psig		575	600								575	575	575	575	575	575	575	575									
Lube Oil Pressure	PI-1572	psig	40	60									60	60	60	60	60	60	60	60									
Lube Oil Temp	TE-1584	deg		150	170								164	164	163	163	163	162	162	163									
Final Discharge Temp	TE-2120	deg		110	150								98	99	102	103	106	107	106	104									
1st Stage Cylinder Disch. Temperature A	TE-2054 A	deg		226	297								225	224	224	224	225	225	224	223									
2nd Stage Cylinder Disch. Temperature A	TE-2062 A	deg		258	283								230	231	233	233	235	237	235	233									
1st Stage Cylinder Disch. Temperature B	TE-2054 B	deg		226	297								223	222	222	221	222	222	222	221									
2nd Stage Cylinder Disch. Temperature B	TE-2062 B	deg		258	283								230	231	233	233	235	236	235	233									
Motor Frame Vibration	VT-1015	IPS			0.15								.05	.04	.05	.05	.05	.05	.05	.05									
Compresser Frame Vibration	VT-1512	IPS			0.35								.05	.05	.05	.05	.05	.05	.05	.05									
Take Once per Shift / at Full Load		psig		Max psid		When the differential pressure exceeds Max psid the filter should be changed out. Notify System Engineer																							
Natural Gas Comp.Discharge Press.															575		575												
Double Block and Bleed Pressure	A63FGDT	49-48=psid			8												570												
Fuel Gas Supply Pressure	A63FTGST	50-49=psid			20												559												

DATE 5-23-2019

0835-826574-55666

SIGNATURE

Mid Shift

Days Shift L. PACHECO

Notes

Date: 5-30-19

MST / (MDT) circle one)

Time Gas Introduced (Turbine Rolling): 0705

Time of Turbine Online (Brkr Closed): 0753

Time Turbine Offline (Brkr Open): 1600

Time No Gas Flow: 1606

Notes:

CGTG HOURLY READING LOG

	Instrument Air Compressor	I.D	Units	Low	Norm	Max	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	Blowdown Dry Receiver Tank Hourly	BVT-013	v											✓	✓	✓	✓	✓	✓	✓	✓									
2	Blowdown Wet Receiver Tank Hourly	BVT-007	v											✓	✓	✓	✓	✓	✓	✓	✓									
3	Wet Receiver Air Pressure	PI-002	psig	90	105	120								110	106	107	107	108	109	111	106									
4	Instrument Temperature	TI-001	deg C		20	50								20	19	19	20	20	23	24	24									
5	Fin Fan Cooler		Units	Low	Norm	Max																								
6	Coolant Pressure	PI-250	psig		25									19	19	19	19	19	19	19	19									
7	Coolant PLC Temperature	TI-002	deg F	100	110	120								105	109	109	99	104	100	109	99									
8	Sight glass Level Expansion Tank	LI-001	LEVEL	1/3	2/3	FULL								2/3	2/3	2/3	2/3	2/3	2/3	2/3	2/3									
9	Coolant Return Differential from GG	FI-001	In WC		60	80								60	60	62	62	62	63	64	63									
10	Coolant Return Differential from	FI-002	In WC		37	50								36	36	36	36	37	37	38	36									
11	Control Room		Units	Low	Norm	Max																								
12	Room Temperature		deg F		72	85								72	72	73	73	73	74	72	72									
13	Combustible Gas Detector Monitor		% LEL	0%	0%	20%								0	0	0	0	0	0	0	0									
15	WECC Log		Operational?																											
16	Operation of PSS/on at 6.3MW		Yes (Y)			No (N)								Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes									
17	Operation of AVR Voltage Mode @ 13.6 KV		Yes (Y)			No (N)								Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes									
	Entronic Control System		Units	Low	Norm	Max																								
	(18–20 found on Air Diagram page)																													
18	2000 gal Oil Water Tank Level	LI-231	%			70%								11	11	11	10	10	10	10	10									
19	10 gal gas TG Drain Tank (Air Diagram page)	LI-230	%			70%								0	0	0	0	0	0	0	0									
20	Record on hard S/D trip over 4500 rpm NL Compressor (on line trip)	A63GGD 5T-01	psig	35	20																									
21	Acknowledge Alarms Hourly		v											✓	✓	✓	✓	✓	✓	✓	✓									
	(22–24 found on Power Management page)																													
22	Generator Current		Amps			1200								1000	1000	1000	1000	1000	960	960	960									
23	Mw Output		MW			27								24	24	23.7	23.6	23.7	22.6	22.3	22.6									
24	80% Base Load Minimum		MW											19.4	19.2	19.0	18.9	18.9	18.5	17.8	18.5									
25	Running Hours (unit overview)													4065	4066	4067	4068	4069	4070	4071	4072									
26	Ambient Temperature	T1 inlet												51	53	54	57	58	63	65	62									
	(27–28 found on Gas Fuel System page)																													
27	Waste Oil Tank	LI-120	%			70%								42	41	41	40	40	40	40	40									
28	Total Fuel Flow		Mscf/h											6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0									

Date: 5-30-19 Signature: A Mar

CGTG TURBINE

UTILITIES AND INFRASTRUCTURE

Natural Gas Compressor		Units	Low	Norm	Max	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
GAS COMPRESSOR START TIME	0643																												
Combustible Gas Detector	AAH-303	%		0%	20%	OUT	OF	SERVICE					N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A									
Packing Lube Oil Flow Indicator Left Side	FSL-1501B	LIGHT		BLINK									B	B	B	B	B	B	B	B									
Liquid Level Coalescing	LI-7721	LIQID		EMPTY	ANY								E	E	E	E	E	E	E	E									
Crankcase Bulls eye	LC-1574	LEVEL	1/4	1/2	FULL								1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2									
Oil Day Tank Level	LI-1562	GAL	10		FULL								37	37	37	37	37	37	37	37									
Lubricator Bulls eye		LEVEL	1/2	FULL									F	F	F	F	F	F	F	F									
1st Stage Scrubber Liquid Level	LI-7416	LIQID		EMPTY	ANY								E	E	E	E	E	E	E	E									
2nd Stage Scrubber Liquid Level	LI-7466	LIQID		EMPTY	ANY								E	E	E	E	E	E	E	E									
Packing Lube Oil Flow Indicator Right Side	FSL-1501A	LIGHT		BLINK									B	B	B	B	B	B	B	B									
1st Stage Inlet Press.	PI-2100	psig		88	140								82	83	83	82	82	82	82	83									
Stage Disch. Press	PI-2101	psig		238	285								250	251	251	251	252	252	253	253									
2nd Stage Inlet Press	PI-2200	psig		267	285								246	247	247	247	247	249	249	250									
2nd Stage Disch. Press	PI-2201	psig		575	600								579	579	579	579	579	579	579	579									
Final Discharge Pressure	PI-2108	psig		575	600								574	575	575	575	575	575	575	575									
Lube Oil Pressure	PI-1572	psig	40	60									59	59	59	59	59	59	59	60									
Lube Oil Temp	TE-1584	deg		150	170								167	167	166	165	165	165	164	164									
Final Discharge Temp	TE-2120	deg		110	150								91	93	96	95	94	104	107	104									
1st Stage Cylinder Disch. Temperature A	TE-2054 A	deg		226	297								219	219	220	227	223	224	225	224									
2nd Stage Cylinder Disch. Temperature A	TE-2062 A	deg		258	283								232	234	235	228	229	233	237	234									
1st Stage Cylinder Disch. Temperature B	TE-2054 B	deg		226	297								218	218	219	220	220	222	223	223									
2nd Stage Cylinder Disch. Temperature B	TE-2062 B	deg		258	283								232	233	235	228	228	233	236	234									
Motor Frame Vibration	VT-1015	IPS			0.15								.04	.05	.05	.05	.04	.05	.04	.04									
Compresser Frame Vibration	VT-1512	IPS			0.35								.05	.05	.05	.05	.05	.05	.05	.05									
Take Once per Shift / at Full Load		psig		Max psid		When the differential pressure exceeds Max psid the filter should be changed out. Notify System Engineer																							
Natural Gas Comp.Discharge Press.																													
Double Block and Bleed Pressure	A63FGDT	49-48=psid			8								570																
Fuel Gas Supply Pressure	A63FTGST	50-49=psid			20								558																

DATE 5-30-19

SIGNATURE

Mid Shift

Days Shift A Wlar

Notes

UI-LOG-033-R2
January 4 2018

Date: 6-6-2019

MST / MDT (circle one)

Time Gas Introduced (Turbine Rolling): 0649

Time of Turbine Online (Brkr Closed): 0752

Time Turbine Offline (Brkr Open): 1557

Time No Gas Flow: 1604

Notes:

CGTG HOURLY READING LOG

	Instrument Air Compressor	I.D	Units	Low	Norm	Max	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	Blowdown Dry Receiver Tank Hourly	BVT-013	v											✓	✓	✓	✓	✓	✓	✓	✓									
2	Blowdown Wet Receiver Tank Hourly	BVT-007	v											✓	✓	✓	✓	✓	✓	✓	✓									
3	Wet Receiver Air Pressure	PI-002	psig	90	105	120								110	106	110	108	106	106	104	106									
4	Instrument Temperature	TI-001	deg C		20	50								23	23	24	25	27	27	29	29									
5	Fin Fan Cooler		Units	Low	Norm	Max																								
6	Coolant Pressure	PI-250	psig		25									18.8	18.8	18.8	18.6	18.8	18.8	18.5	18.8									
7	Coolant PLC Temperature	TI-002	deg F	100	110	120								99	105	105	108	106	101	102	105									
8	Sight glass Level Expansion Tank	LI-001	LEVEL	1/3	2/3	FULL								1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2									
9	Coolant Return Differential from GG	FI-001	In WC		60	80								62	62	62	62	63	63	63	63									
10	Coolant Return Differential from	FI-002	In WC		37	50								36	36	36	36	36	36	37	37									
11	Control Room		Units	Low	Norm	Max																								
12	Room Temperature		deg F		72	85								72	72	72	72	72	72	72	72									
13	Combustible Gas Detector Monitor		% LEL	0%	0%	20%								0	0	0	0	0	0	0	0									
15	WECC Log		Operational?																											
16	Operation of PSS/on at 6.3MW		Yes (Y)			No (N)								yes	yes	yes	yes	yes	yes	yes	yes									
17	Operation of AVR Voltage Mode @ 13.6 KV		Yes (Y)			No (N)								yes	yes	yes	yes	yes	yes	yes	yes									
	Entronic Control System		Units	Low	Norm	Max																								
	(18–20 found on Air Diagram page)																													
18	2000 gal Oil Water Tank Level	LI-231	%			70%								11	11	11	11	11	10	10	10									
19	10 gal gas TG Drain Tank (Air Diagram page)	LI-230	%			70%								0	0	0	0	0	0	0	0									
20	Record on hard S/D trip over 4500 rpm NL Compressor (on line trip)	A63GGD 5T-01	psig	35	20																									
21	Acknowledge Alarms Hourly		v											✓	✓	✓	✓	✓	✓	✓	✓									
	(22–24 found on Power Management page)																													
22	Generator Current		Amps			1200								982	980	953	938	919	921	900	900									
23	Mw Output		MW			27								22.9	22.6	22.3	21.9	21.3	21.6	20.9	20.9									
24	80% Base Load Minimum		MW	ESTIMATE ONLY, NO INDICATION																	18									
25	Running Hours (unit overview)													4074	4075	4076	4078	4079	4080	4081	4082									
26	Ambient Temperature	T1 inlet												58	60	65	68	71	71	75	74									
	(27–28 found on Gas Fuel System page)																													
27	Waste Oil Tank	LI-120	%			70%								44	42	41	42	42	42	43	43									
28	Total Fuel Flow		Mscf/h											6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0									

Date: 6-6-19

Signature:

CGTG TURBINE

UTILITIES AND INFRASTRUCTURE

Natural Gas Compressor		Units	Low	Norm	Max	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
GAS COMPRESSOR START TIME											629																		
Combustible Gas Detector	AAH-303	%		0%	20%																								
Packing Lube Oil Flow Indicator Left Side	FSL-1501B	LIGHT		BLINK									B	B	B	B	B	B	B	B									
Liquid Level Coalescing	LI-7721	LIQID		EMPTY	ANY								E	E	E	E	E	E	E	E									
Crankcase Bulls eye	LC-1574	LEVEL	1/4	1/2	FULL								1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2									
Oil Day Tank Level	LI-1562	GAL	10		FULL						3		35	35	35	35	35	35	35	35									
Lubricator Bulls eye		LEVEL	1/2	FULL									3/4	3/4	3/4	3/4	3/4	3/4	3/4	F									
1st Stage Scrubber Liquid Level	LI-7416	LIQID		EMPTY	ANY								E	E	E	E	E	E	E	E									
2nd Stage Scrubber Liquid Level	LI-7466	LIQID		EMPTY	ANY								E	E	E	E	E	E	E	E									
Packing Lube Oil Flow Indicator Right Side	FSL-1501A	LIGHT		BLINK									B	B	B	B	B	B	B	B									
1st Stage Inlet Press.	PI-2100	psig		88	140								82	82	83	85	82	82	82	83									
Stage Disch. Press	PI-2101	psig		238	285								250	251	252	258	252	253	254	254									
2nd Stage Inlet Press	PI-2200	psig		267	285								247	247	248	254	249	250	250	251									
2nd Stage Disch. Press	PI-2201	psig		575	600								579	579	579	579	579	579	578	579									
Final Discharge Pressure	PI-2108	psig		575	600								575	575	575	575	525	575	574	575									
Lube Oil Pressure	PI-1572	psig	40	60									59	59	59	59	59	59	59	60									
Lube Oil Temp	TE-1584	deg		150	170								165	165	165	165	165	165	166	165									
Final Discharge Temp	TE-2120	deg		110	150								97	99	103	108	109	112	114	112									
1st Stage Cylinder Disch. Temperature A	TE-2054 A	deg		226	297								227	227	229	231	232	232	234	232									
2nd Stage Cylinder Disch. Temperature A	TE-2062 A	deg		258	283								229	230	233	237	241	243	245	243									
1st Stage Cylinder Disch. Temperature B	TE-2054 B	deg		226	297								226	226	227	229	230	230	232	230									
2nd Stage Cylinder Disch. Temperature B	TE-2062 B	deg		258	283								229	230	233	237	240	243	245	244									
Motor Frame Vibration	VT-1015	IPS			0.15								.04	.04	.05	.04	.04	.04	.04	.04									
Compresser Frame Vibration	VT-1512	IPS			0.35								.05	.05	.05	.05	.05	.05	.05	.05									
Take Once per Shift / at Full Load		psig		Max psid		When the differential pressure exceeds Max psid the filter should be changed out. Notify System Engineer																							
Natural Gas Comp.Discharge Press.													574																
Double Block and Bleed Pressure	A63FGDT	49-48=psid			8								569																
Fuel Gas Supply Pressure	A63FTGST	50-49=psid			20								558																

DATE 6-6-2019

SIGNATURE

Mid Shift

Days Shift

Notes

0811 - 830327 - 55666
1611 832090 - 55666

UTILITIES INSTITUTIONAL FACILITIES

UI-LOG-033-R2
January 4 2018

Date: 6-7-19

CGTG HOURLY READING LOG

MST / MDT (circle one)

Time Gas Introduced (Turbine Rolling): 0813

Time of Turbine Online (Brkr Closed):

Time Turbine Offline (Brkr Open):

Time No Gas Flow: 0825

Notes: Burning Gas ABB for J. Baughman for cgtg Maint. cgtg Will Not go online

	Instrument Air Compressor	I.D	Units	Low	Norm	Max	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	Blowdown Dry Receiver Tank Hourly	BVT-013	v																											
2	Blowdown Wet Receiver Tank Hourly	BVT-007	v																											
3	Wet Receiver Air Pressure	PI-002	psig	90	105	120																								
4	Instrument Temperature	TI-001	deg C		20	50																								
5	Fin Fan Cooler		Units	Low	Norm	Max																								
6	Coolant Pressure	PI-250	psig		25																									
7	Coolant PLC Temperature	TI-002	deg F	100	110	120																								
8	Sight glass Level Expansion Tank	LI-001	LEVEL	1/3	2/3	FULL																								
9	Coolant Return Differential from GG	FI-001	In WC		60	80																								
10	Coolant Return Differential from	FI-002	In WC		37	50																								
11	Control Room		Units	Low	Norm	Max																								
12	Room Temperature		deg F		72	85																								
13	Combustible Gas Detector Monitor		% LEL	0%	0%	20%																								
15	WECC Log		Operational?																											
16	Operation of PSS/on at 6.3MW		Yes (Y)			No (N)																								
17	Operation of AVR Voltage Mode @ 13.6 KV		Yes (Y)			No (N)																								
	Entronic Control System		Units	Low	Norm	Max																								
	(18–20 found on Air Diagram page)																													
18	2000 gal Oil Water Tank Level	LI-231	%			70%																								
19	10 gal gas TG Drain Tank (Air Diagram page)	LI-230	%			70%																								
20	Record on hard S/D trip over 4500 rpm NL Compressor (on line trip)	A63GGD 5T-01	psig	35	20																									
21	Acknowledge Alarms Hourly		v																											
	(22–24 found on Power Management page)																													
22	Generator Current		Amps			1200																								
23	Mw Output		MW			27																								
24	80% Base Load Minimum		MW																											
25	Running Hours (unit overview)																													
26	Ambient Temperature	T1 inlet																												
	(27–28 found on Gas Fuel System page)																													
27	Waste Oil Tank	LI-120	%			70%																								
28	Total Fuel Flow		Mscf/h																											

Date: 6-7-19 Signature: A Wher

Date: 6-13-19

MST / MDT (circle one)

Time Gas Introduced (Turbine Rolling): 1335

Time of Turbine Online (Brkr Closed): 1356

Time Turbine Offline (Brkr Open): 1758

Time No Gas Flow: 1805

CGTG HOURLY READING LOG

UI-LOG-033-R2
January 4 2018

Notes:

	Instrument Air Compressor	I.D	Units	Low	Norm	Max	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	Blowdown Dry Receiver Tank Hourly	BVT-013	V																	Y	Y	Y	Y							
2	Blowdown Wet Receiver Tank Hourly	BVT-007	V																	Y	Y	Y	Y							
3	Wet Receiver Air Pressure	PI-002	psig	90	105	120														106	108	112	110							
4	Instrument Temperature	TI-001	deg C		20	50														34	34	34	34							
5	Fin Fan Cooler		Units	Low	Norm	Max																								
6	Coolant Pressure	PI-250	psig		25															18.8	19.0	18.8	18.8							
7	Coolant PLC Temperature	TI-002	deg F	100	110	120														101	101	101	102							
8	Sight glass Level Expansion Tank	LI-001	LEVEL	1/3	2/3	FULL														2/3	2/3	2/3	2/3							
9	Coolant Return Differential from GG	FI-001	In WC		60	80														6.5	6.5	6.5	6.5							
10	Coolant Return Differential from	FI-002	In WC		37	50														40	38	38	38							
11	Control Room		Units	Low	Norm	Max																								
12	Room Temperature		deg F		72	85														84	84	85	86							
13	Combustible Gas Detector Monitor		% LEL	0%	0%	20%														0	0	0	0							
15	WECC Log		Operational?																											
16	Operation of PSS/on at 6.3MW		Yes (Y)			No (N)														Y	Y	Y	Y							
17	Operation of AVR Voltage Mode @ 13.6 KV		Yes (Y)			No (N)														Y	Y	Y	Y							
	Entronic Control System		Units	Low	Norm	Max																								
	(18–20 found on Air Diagram page)																													
18	2000 gal Oil Water Tank Level	LI-231	%			70%														10	10	10	10							
19	10 gal gas TG Drain Tank (Air Diagram page)	LI-230	%			70%														0	0	0	0							
20	Record on hard S/D trip over 4500 rpm NL Compressor (on line trip)	A63GGD ST-01	psig	35	20																									
21	Acknowledge Alarms Hourly		V																	✓	✓	✓	✓							
	(22–24 found on Power Management page)																													
22	Generator Current		Amps			1200														824	839	842	830							
23	Mw Output		MW			27														19.3	19.4	19.9	19.5							
24	80% Base Load Minimum		MW																	17.0	17.0	17.1	16.9							
25	Running Hours (unit overview)																			4083	4084	4085	4086							
26	Ambient Temperature	T1 Inlet																		82.6	83.4	81.7	84.2							
	(27–28 found on Gas Fuel System page)																													
27	Waste Oil Tank	LI-120	%			70%														42	42	42	43							
28	Total Fuel Flow		Mscf/h																	198	199	200	197							

Date: 6-13-19 Signature: John Pace

CGTG TURBINE

UTILITIES AND INFRASTRUCTURE

Natural Gas Compressor		Units	Low	Norm	Max	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
GAS COMPRESSOR START TIME																													
Combustible Gas Detector	AAH-303	%		0%	20%												1210												
Packing Lube Oil Flow Indicator Left Side	FSL-1501B	LIGHT		BLINK															B	B	B	B							
Liquid Level Coalescing	LI-7721	LIQID		EMPTY	ANY														E	E	E	E							
Crankcase Bulls eye	LC-1574	LEVEL	1/4	1/2	FULL														1/2	1/2	1/2	1/2							
Oil Day Tank Level	LI-1562	GAL	10		FULL														50	50	50	50							
Lubricator Bulls eye		LEVEL	1/2	FULL															full	full	full	full							
1st Stage Scrubber Liquid Level	LI-7416	LIQID		EMPTY	ANY														E	E	E	E							
2nd Stage Scrubber Liquid Level	LI-7466	LIQID		EMPTY	ANY														E	E	E	E							
Packing Lube Oil Flow Indicator Right Side	FSL-1501A	LIGHT		BLINK															B	B	B	B							
1st Stage Inlet Press.	PI-2100	psig		88	140														82	82	82	82							
Stage Disch. Press	PI-2101	psig		238	285														254	255	255	256							
2nd Stage Inlet Press	PI-2200	psig		267	285														251	251	251	252							
2nd Stage Disch. Press	PI-2201	psig		575	600														578	578	578	578							
Final Discharge Pressure	PI-2108	psig		575	600														575	575	575	575							
Lube Oil Pressure	PI-1572	psig	40	60															60	59	59	59							
Lube Oil Temp	TE-1584	deg		150	170														163	164	165	165							
Final Discharge Temp	TE-2120	deg		110	150														122	123	122	123							
1st Stage Cylinder Disch. Temperature A	TE-2054 A	deg		226	297														242	242	241	240							
2nd Stage Cylinder Disch. Temperature A	TE-2062 A	deg		258	283														254	255	253	254							
1st Stage Cylinder Disch. Temperature B	TE-2054 B	deg		226	297														239	240	239	238							
2nd Stage Cylinder Disch. Temperature B	TE-2062 B	deg		258	283														253	255	251	252							
Motor Frame Vibration	VT-1015	IPS			0.15														.04	.04	.04	.04							
Compresser Frame Vibration	VT-1512	IPS			0.35														.05	.05	.05	.05							
Take Once per Shift / at Full Load		psig		Max psid		When the differential pressure exceeds Max psid the filter should be changed out. Notify System Engineer																							
Natural Gas Comp.Discharge Press.																													
Double Block and Bleed Pressure	A63FGDT	49-48=psid			8														575	574									
Fuel Gas Supply Pressure	A63FTGST	50-49=psid			20														57	567									
																			563										

DATE 6-13-19

SIGNATURE

Mid Shift

Days Shift

Notes

1551

UI-LOG-033-R2
January 4 2018

CGTG HOURLY READING LOG

Date: 06-20-19

MST / MDT (circle one)

Time Gas Introduced (Turbine Rolling): 0637

Time of Turbine Online (Brkr Closed): 0736

Time Turbine Offline (Brkr Open): 1557

Time No Gas Flow: 1559

Notes:

	Instrument Air Compressor	I.D	Units	Low	Norm	Max	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	Blowdown Dry Receiver Tank Hourly	BVT-013	√											Y	Y	Y	Y	Y	Y	Y	Y									
2	Blowdown Wet Receiver Tank Hourly	BVT-007	√											Y	Y	Y	Y	Y	Y	Y	Y									
3	Wet Receiver Air Pressure	PI-002	psig	90	105	120								104	100	104	103	102	105	105	101									
4	Instrument Temperature	TI-001	deg C		20	50								27	27	28	28	30	30	30	30									
5	Fin Fan Cooler		Units	Low	Norm	Max																								
6	Coolant Pressure	PI-250	psig		25									18.9	19.0	18.9	18.9	18.9	19.0	18.9	18.9									
7	Coolant PLC Temperature	TI-002	deg F	100	110	120								105	100	105	100	105	104	104	101									
8	Sight glass Level Expansion Tank	LI-001	LEVEL	1/3	2/3	FULL								1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2									
9	Coolant Return Differential from GG	FI-001	In WC		60	80								63	63	63	63	64	64	64	64									
10	Coolant Return Differential from	FI-002	In WC		37	50								36	37	37	37	38	38	35	38									
11	Control Room		Units	Low	Norm	Max																								
12	Room Temperature		deg F		72	85								73	73	73	73	73	73	74	74									
13	Combustible Gas Detector Monitor		% LEL	0%	0%	20%								0%	0%	0%	0%	0%	0	0%	0%									
15	WECC Log		Operational?																											
16	Operation of PSS/on at 6.3MW		Yes (Y)			No (N)								Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes									
17	Operation of AVR Voltage Mode @ 13.6 KV		Yes (Y)			No (N)								Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes									
	Entronic Control System		Units	Low	Norm	Max																								
	(18–20 found on Air Diagram page)																													
18	2000 gal Oil Water Tank Level	LI-231	%			70%								11%	11	11%	11%	11%	11%	11	11									
19	10 gal gas TG Drain Tank (Air Diagram page)	LI-230	%			70%								0%	0%	0%	0%	0%	0%	0%	0%									
20	Record on hard S/D trip over 4500 rpm NL Compressor (on line trip)	A63GGD 5T-01	psig	35	20																									
21	Acknowledge Alarms Hourly		√											Yes	Y	Y	Y	Y	Y	Y	Y									
	(22–24 found on Power Management page)																													
22	Generator Current		Amps			1200								889	902	892	886	870	859	848	848									
23	Mw Output		MW			27								21.3	21.3	20.9	20.9	20.3	20.3	20.1	19.9									
24	80% Base Load Minimum		MW											18.2	17.8	17.7	17.6	17.3	17.3	17.2	17.1									
25	Running Hours (unit overview)													4089	4090	4091	4092	4093	4094	4095	4096									
26	Ambient Temperature	T1 inlet												70.0	73.4	75.9	76.5	79.2	80.1	81	82									
	(27–28 found on Gas Fuel System page)																													
27	Waste Oil Tank	LI-120	%			70%								43%	43%	42%	40%	42%	42	42	43									
28	Total Fuel Flow		Mscf/h											208	207	205	203	201	199	198	196									

Date: 06-20-19 Signature: Randy Vigil

CGTG TURBINE

UTILITIES AND INFRASTRUCTURE

Natural Gas Compressor		Units	Low	Norm	Max	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
GAS COMPRESSOR START TIME	0600																												
Combustible Gas Detector	AAH-303	%		0%	20%																								
Packing Lube Oil Flow Indicator Left Side	FSL-1501B	LIGHT		BLINK									B	B	B	B	B	B	B	B									
Liquid Level Coalescing	LI-7721	LIQID		EMPTY	ANY								E	E	E	E	E	E	E	E									
Crankcase Bulls eye	LC-1574	LEVEL	1/4	1/2	FULL								1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2									
Oil Day Tank Level	LI-1562	GAL	10		FULL								51	51	51	51	51	51	51	51									
Lubricator Bulls eye		LEVEL	1/2	FULL									F	F	F	F	F	F	F	F									
1st Stage Scrubber Liquid Level	LI-7416	LIQID		EMPTY	ANY								E	E	E	E	E	E	E	E									
2nd Stage Scrubber Liquid Level	LI-7466	LIQID		EMPTY	ANY								E	E	E	E	E	E	E	E									
Packing Lube Oil Flow Indicator Right Side	FSL-1501A	LIGHT		BLINK									B	B	B	B	B	B	B	B									
1st Stage Inlet Press.	PI-2100	psig		88	140								82	82	82	83	82	82	82	82									
Stage Disch. Press	PI-2101	psig		238	285								253	253	254	255	254	254	255	255									
2nd Stage Inlet Press	PI-2200	psig		267	285								249	249	250	251	251	251	251	252									
2nd Stage Disch. Press	PI-2201	psig		575	600								578	578	578	578	578	578	578	578									
Final Discharge Pressure	PI-2108	psig		575	600								575	575	575	575	575	575	575	575									
Lube Oil Pressure	PI-1572	psig	40	60									59	59	59	59	59	59	59	59									
Lube Oil Temp	TE-1584	deg		150	170								164	164	164	164	164	165	166	166									
Final Discharge Temp	TE-2120	deg		110	150								112	112	114	116	118	119	120	123									
1st Stage Cylinder Disch. Temperature A	TE-2054 A	deg		226	297								236	236	236	237	238	239	240	240									
2ndStage Cylinder Disch. Temperature A	TE-2062 A	deg		258	283								241	241	245	245	247	248	250	252									
1st Stage Cylinder Disch. Temperature B	TE-2054 B	deg		226	297								235	235	234	235	236	237	239	238									
2nd Stage Cylinder Disch. Temperature B	TE-2062 B	deg		258	283								242	242	245	245	247	248	250	252									
Motor Frame Vibration	VT-1015	IPS			0.15								.03	.04	.04	.04	.04	.04	.03	.03									
Compresser Frame Vibration	VT-1512	IPS			0.35								.05	.05	.05	.05	.05	.05	.05	.05									
Take Once per Shift / at Full Load		psig		Max psid		When the differential pressure exceeds Max psid the filter should be changed out. Notify System Engineer																							
Natural Gas Comp.Discharge Press.													570																
Double Block and Bleed Pressure	A63FGDT	49-48=psid			8								565																
Fuel Gas Supply Pressure	A63FTGST	50-49=psid			20								575																

DATE 06-20-19

SIGNATURE Randy Wiles

Mid Shift

Days Shift ✓

Notes JOE B. GAS READING FIXED @ 1500 HRS. @ ABBS HOUSE 06-20-19

Date: 6-27-19

MST / MDT (circle one)

Time Gas Introduced (Turbine Rolling): 0646

Time of Turbine Online (Brkr Closed): 0755

Time Turbine Offline (Brkr Open): 1559

Time No Gas Flow: 1606

CGTG HOURLY READING LOG

Notes:

	Instrument Air Compressor	I.D	Units	Low	Norm	Max	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	Blowdown Dry Receiver Tank Hourly	BVT-013	V											Y	Y	Y	Y	Y	Y	Y	Y									
2	Blowdown Wet Receiver Tank Hourly	BVT-007	V											Y	Y	Y	Y	Y	Y	Y	Y									
3	Wet Receiver Air Pressure	PI-002	psig	90	105	120								108	110	112	110	112	110	106	108									
4	Instrument Temperature	TI-001	deg C		20	50								26	24	26	29	29	30	32	32									
5	Fin Fan Cooler		Units	Low	Norm	Max																								
6	Coolant Pressure	PI-250	psig		25									19.6	18.8	19.0	19.0	19.8	19.0	19.0	19.0									
7	Coolant PLC Temperature	TI-002	deg F	100	110	120								108	110	109	104	104	101	102	102									
8	Sight glass Level Expansion Tank	LI-001	LEVEL	1/3	2/3	FULL								2/3	2/3	2/3	2/3	2/3	2/3	2/3	2/3									
9	Coolant Return Differential from GG	FI-001	In WC		60	80								61	60	63	62	64	64	64	60									
10	Coolant Return Differential from	FI-002	In WC		37	50								35	35	36	36	37	38	40	37									
11	Control Room		Units	Low	Norm	Max																								
12	Room Temperature		deg F		72	85								75	74	74	73	73	73	74	75									
13	Combustible Gas Detector Monitor		% LEL	0%	0%	20%								0	0	0	0	0	0	0	0									
15	WECC Log		Operational?																											
16	Operation of PSS/on at 6.3MW		Yes (Y)			No (N)								Y	Y	Y	Y	Y	Y	Y	Y									
17	Operation of AVR Voltage Mode @ 13.6 KV		Yes (Y)			No (N)								Y	Y	Y	Y	Y	Y	Y	Y									
	Entronic Control System		Units	Low	Norm	Max																								
	(18–20 found on Air Diagram page)																													
18	2000 gal Oil Water Tank Level	LI-231	%			70%								12	12	11	11	11	11	11	11									
19	10 gal gas TG Drain Tank (Air Diagram page)	LI-230	%			70%								0	0	0	0	0	0	0	0									
20	Record on herd S/D trip over 4500 rpm NL Compressor (on line trip)	A63GGD ST-01	psig	35	20																									
21	Acknowledge Alarms Hourly		V											Y	Y	Y	Y	Y	Y	Y	Y									
	(22–24 found on Power Management page)																													
22	Generator Current		Amps			1200								942	953	917	897	892	866	849	848									
23	Mw Output		MW			27								22.3	22.3	21.6	20.9	20.9	20.3	19.9	19.9									
24	80% Base Load Minimum		MW											18.5	18.4	17.9	17.4	17.6	17.2	16.9	17.0									
25	Running Hours (unit overview)													4098	4099	4099	4101	4102	4103	4104	4105									
26	Ambient Temperature	T1 Inlet												65.0	66.7	71.9	77.6	76.8	80.9	84.2	82.6									
	(27–28 found on Gas Fuel System page)																													
27	Waste Oil Tank	LI-120	%			70%								44	43	43	42	42	42	42	42									
28	Total Fuel Flow		Mscf/h											215.7	216.3	210.8	206.7	206.5	200.1	197.6	198									

Date: 6-27-19 Signature:

CGTG TURBINE

UTILITIES AND INFRASTRUCTURE

Natural Gas Compressor		Units	Low	Norm	Max	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
GAS COMPRESSOR START TIME											0627																		
Combustible Gas Detector	AAH-303	%		0%	20%																								
Packing Lube Oil Flow Indicator Left Side	FSL-1501B	LIGHT		BLINK									B	B	B	B	B	B	B	B									
Liquid Level Coalescing	LI-7721	LIQID		EMPTY	ANY								E	E	E	E	E	E	E	E									
Crankcase Bulls eye	LC-1574	LEVEL	1/4	1/2	FULL								1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2									
Oil Day Tank Level	LI-1562	GAL	10		FULL								50	50	50	50	50	50	50	50									
Lubricator Bulls eye		LEVEL	1/2	FULL									full	full	full	full	full	full	full	full									
1st Stage Scrubber Liquid Level	LI-7416	LIQID		EMPTY	ANY								E	E	E	E	E	E	E	E									
2nd Stage Scrubber Liquid Level	LI-7466	LIQID		EMPTY	ANY								E	E	E	E	E	E	E	E									
Packing Lube Oil Flow Indicator Right Side	FSL-1501A	LIGHT		BLINK									B	B	B	B	B	B	B	B									
1st Stage Inlet Press.	PI-2100	psig		88	140								83	83	85	82	83	82	82	82									
Stage Disch. Press	PI-2101	psig		238	285								252	254	254	254	255	255	255	255									
2nd Stage Inlet Press	PI-2200	psig		267	285								249	250	250	250	251	251	251	251									
2nd Stage Disch. Press	PI-2201	psig		575	600								57	575	578	579	578	579	578	578									
Final Discharge Pressure	PI-2108	psig		575	600								574	575	575	575	575	575	575	575									
Lube Oil Pressure	PI-1572	psig	40	60									59	59	59	59	59	59	59	59									
Lube Oil Temp	TE-1584	deg		150	170								163	163	167	166	166	165	166	166									
Final Discharge Temp	TE-2120	deg		110	150								107	107	112	118	118	122	128	123									
1st Stage Cylinder Disch. Temperature A	TE-2054 A	deg		226	297								233	232	238	237	235	238	240	240									
2nd Stage Cylinder Disch. Temperature A	TE-2062 A	deg		258	283								237	237	241	245	245	250	252	251									
1st Stage Cylinder Disch. Temperature B	TE-2054 B	deg		226	297								231	230	232	234	234	238	238	238									
2nd Stage Cylinder Disch. Temperature B	TE-2062 B	deg		258	283								237	237	241	246	245	250	253	251									
Motor Frame Vibration	VT-1015	IPS			0.15								.04	.04	.04	.04	.04	.04	.04	.04									
Compresser Frame Vibration	VT-1512	IPS			0.35								.05	.05	.05	.05	.05	.05	.05	.05									
Take Once per Shift / at Full Load		psig		Max psid		When the differential pressure exceeds Max psid the filter should be changed out. Notify System Engineer																							
Natural Gas Comp.Discharge Press.													572	575															
Double Block and Bleed Pressure	A63FGDT	49-48=psid			8								568	570															
Fuel Gas Supply Pressure	A63FTGST	50-49=psid			20								559	561															

DATE 6-27-2019

SIGNATURE

Mid Shift

Days Shift

Notes 1618 MH

ATTACHMENT A1307.E.

TA-03 Power Plant

FGR Fan Inspection and Maintenance

FGR Maint: Jan 2019

Facility : F08 **Unit** : 030022 **Proj** :
Task Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
W/O Type : PM **W/O Group** : UTIL **Task Priority** : 4
Planner : 185614 HARRIS JEANETTE S
W/O Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
Written To : TA03-0022 FAN, FLUE GAS RECIRCULING (FGR-001, FGR-002, FGR-003)
Task Dspln : **Due Date** : 01/31/2019
Superintendant :

Hazard : LOW **IWD Reqmt** : N/A LOW HZRD

Work Order Task

00625253 01

MASTER

Date:
12/05/2018

Work Order Task Written To

Facility : F08 **Unit** : 030022 **Op Sys** :
Room : **Area** : **Sys/Cls** :
Equipment : **Component** :
Location :
Job Type : PM
Tag 1 : **Tag 2** :
Work Item : TA03-0022 FGR **Ops Review Reqd** :

Authorization

Start Permission : Glenn Martinez **Start Date** : 12-17-18

Complete Notice : Glenn Martinez **Complete Date** : 1-7-19

Work Order Task Instructions

DO NOT lubricate the bearings if the FGR fan is NOT in operation or in service so that proper amount of grease can be applied
using headphones
You can hear when grease reaches the bearing rolling element. At this point, stop adding grease to prevent bearing damage from overheating

There are two bearings on the fan, each with its own zerk plug
Remove the shaft guard located in the middle of the drive. The two zerk plugs are located on each of the two bearings

1. Use grease gun with the Ultralube headphones to insert the correct amount of Mobilith SHC 100 grease into zerk fitting

Facility : F08 **Unit** : 030022 **Proj** :
Task Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
W/O Type : PM **W/O Group** : UTIL **Task Priority** : 4
Planner : 185614 HARRIS JEANETTE S
W/O Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
Written To : TA03-0022 FAN, FLUE GAS RECIRCULING (FGR-001, FGR-002, FGR-003)
Task Dspln : **Due Date** : 01/31/2019
Superintendant :

Hazard : LOW **IWD Reqmt** : N/A LOW HZRD

Work Order Task

00625253 01

MASTER

Date:
12/05/2018

b. Apply grease while fan is running and stop when you hear the grease enter the running bearing

Lubricated fan bearings on FGR-001,FGR-002 & FGR-003

4. Add grease with a hand-operated pressure gun until new grease enters the running bearing
a. This is accomplished by using the ultrasonic sensor and headphones to hear when the new grease enters the running bearing
b. Stop adding grease when the grease reaches the bearing to limit excess grease from migrating down the motor shaft and into the windings
Note: Be careful when greasing the fan end bearing of the TEFC (Totally (Totally Enclosed Fan Cooled) motors. Some motors have a spring-relief outlet grease fitting on the fan end that is not accessible. This spring-relief fitting normally does not have to be removed when regreasing. When greasing, take care in the amount of pressure you apply and verify relief is working
5. Putting in too much or too little grease can cause overheating of the motors and result in motor failure. Use this rule of thumb when adding grease to a motor that has been lubricated on a regular basis:
It is better to use a little grease more often than a lot of grease less often
Note: Watch out for motors that were shipped only with the bearings packed and not the fill tube or even the bearing housing
Apply new grease until you can hear it enter the running bearing
6. Now that greasing is complete, leave the relief plug off and run the motor for 10 minutes to expel any excess grease
7. Replace the drain plug and wipe the bearing housing clean
8. Dispose of dirty rags in accordance with Hazardous Waste Guidelines
9. Ensure correct operation of electric motors.

Facility : F08 **Unit :** 030022 **Proj :**
Task Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
W/O Type : PM **W/O Group :** UTIL **Task Priority :** 4
Planner : 185614 HARRIS JEANETTE S
W/O Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
Written To : TA03-0022 FAN, FLUE GAS RECIRCULING (FGR-001, FGR-002, FGR-003)
Task Dspln : **Due Date :** 01/31/2019
Superintendant :

Hazard : LOW **IWD Reqmt :** N/A LOW HZRD

Work Order Task

00625253 01

MASTER

Date:
12/05/2018

QC Requirements / Comments

Work Completion Signatures

Name	Function/Dept.	Date
JOHN M. MILLER	MAINT.FOREMAN/LOG-CS	1/7/19

Comments

(rework?)

Cost Accounting

Cost Center : P2030A **Activity :** 640CL000

Percentage : 100 **Acct No :** XU5000 **Sub Acct :** 7E2P0000

Facility : F08 **Unit** : 030022 **Proj** :
Task Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
W/O Type : PM **W/O Group** : UTIL **Task Priority** : 4
Planner : 185614 HARRIS JEANETTE S
W/O Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
Written To : TA03-0022 FAN, FLUE GAS RECIRCULING (FGR-001, FGR-002, FGR-003)
Task Dspln : **Due Date** : 01/31/2019
Superintendant :

Hazard : LOW **IWD Reqmt** : N/A LOW HZRD

Work Order Task

00625253 01

MASTER

Date:
12/05/2018

Los Alamos NATIONAL LABORATORY EST. 1943

AP-WORK-004: Attachment 1
Maintenance & Site Services
Worker Engagement Questions

Worker engagement questions are intended to focus attention on the task and ensure uncertainties are addressed. Examples of worker engagement questions are provided below. Worker engagement questions should be tailored to the situation.

Each of the questions listed below will be discussed at each Pre-Job Brief with all affected personnel.

1/7/19 JMM

Topic 1 MO. TA-3-22 FGR FAN SHAFT BEARINGS LUBRICATION	**Completed (X)**
What permits, permissions, or support are required to safely start this work?	X
What is the most likely thing that could go wrong (not the worst thing) and what, specifically, will prevent it?	X
What can cause us to go beyond the scope of the work?	X
What hazards in the work area may not have been considered during planning of this job	X

Los Alamos NATIONAL LABORATORY EST.1943

Integrated Work Document (IWD) Part 2, FOD Requirements and Approval for Entry and Area Hazards and Controls

Non-Tenant Activity Form

IWD No./Work Request No: ____ Revision #: ____

Facility Operation Director (FOD) must determine the facility entry and coordination requirements and identify the Environment, Safety, Health (ESH)/Security and Safeguards (S&S) hazards and controls associated with the activity location.

FOD 8	TA 3	Bldg. 22-24	Room N/A	Other Location Power Plant Bldg - Inside
FOD Designated Facility Point-of-Contact	Name Pablo C de Vaca	Phone 699-8226	Pager N/A	Email pfc@lanl.gov

Entry and Coordination Requirements (*Check one or more of the following*)

- ☐ No Entry/Coordination Requirements
- ☒ Plan of the Day/Plan of the Week (POTD/POTW)
- ☒ Security Clearance Requirements
- ☐ Co-located Hazards/Concerns
- ☒ Check out at End of Work
- ☐ Escort Required
- ☐ Other Bounding Conditions:
- ☐ FOD-designated facility Point-of-Contact must sign IWD Part 3
- ☒ Check in at Start of Work
- ☒ Work must be Scheduled
- ☐ Other Security Requirements (ex.: Cellphone, No Foreign Nationals, etc.)
- ☐ Quality Issues
- ☐ Review under Authorization Basis (AB)/Safety Basis/Unreviewed Safety Question (USQ)
- ☒ Work-Area Training Required
- ☒ Check in Daily
- ☒ Check out Daily

PIC is responsible to conduct a pre-job brief for work activities to ensure that work conditions and worker communications are adequate. A pre job briefing shall be conducted at the job site. UI-OPS will determine if onsite ESH representation is required during work activities

Additional Comments (refer to Job Hazard Analysis [JHA] Tool Facility Notes)

All work must be approved by the Utilities FOD or UI-OPS. POD/POTW-contact Facility POC. No Smoking around Natural Gas Systems. Evaluate inside floor and housekeeping conditions to safely proceed with activities. Check in with Plant Operations Manager/Specialist or Operations Shift Head for final approval to proceed with tasks. Work around power plant chem cal pumps and lines. Inspect for leaks before beginning any work task and pause work and report if a leak is found to operations. All personnel entering area must view the site specific training video in room 116 (Boiler Control Room), one time requirement. Observe safety signs and floor markings in all buildings and areas.No safety shoes required for visitors if escorted by Operations or UI Engineering personnel. The West end front lobby and office areas of Bldg 22 are considered a no hazard area.

Instructions: In the block below, identify work-area hazards that could potentially affect the worker(s) or others. Specify the facility controls and preventive measures that must be implemented by the worker(s) to protect against the site hazards as well as any special training required.

ESH/S&S WORK AREA HAZARDS & CONTROLS				
Work Area Hazards/Concerns Identify site hazards and concerns that could potentially affect the worker(s) or others.	**Work Area Hazard Present**	**Facility Controls/ Preventive Measures/ Bounding Conditions** Specify preventive measures, controls and bounding conditions for each site hazard	**Reference Documents** List permits, operating manuals, and other reference procedures	**Training and Qualification** List training requirements (P300, Integretated Work Management, Section 6.1)
☐ **No Work Area Hazards**				

Ionizing Radiation Work in posted radiological areas, work with radioactive materials, or work on or near radiation producing devices. **Specify Hazard:**	☐ Yes ☒ No			

IWD No./Work Request No: _____ Revision #: _____

ESH/S&S WORK AREA HAZARDS & CONTROLS				
Work Area Hazards/Concerns Identify site hazards and concerns that could potentially affect the worker(s) or others.	**Work Area Hazard Present**	**Facility Controls/ Preventive Measures/ Bounding Conditions** Specify preventive measures, controls and bounding conditions for each site hazard	**Reference Documents** List permits, operating manuals, and other reference procedures	**Training and Qualification** List training requirements (P300, Integretated Work Management, Section 6.1)
Worker Exposure Working near non-ionizing radiation, beryllium, noise, chemicals, hazardous biological materials, lead, asbestos, temperature/humidity extremes, or high explosives. **Specify Hazards:**	☒ Yes ☐ No	Required PPE: Hard hat, safety shoes, safety glasses. Hearing protection (noise > 85 dba). Avoid hot surfaces and piping. Long sleeve shirt or Ansell sleeves or coveralls. Gloves when operating valves or contacting pipe/fitting openings where there is potential for hot water/steam release. Be aware of encapsulated asbestos. Follow LANL Asbestos program/rqmts if PACM identified outside containment. Be aware of chemical containers and check labeling. Be aware of piping, associated systems for any leaks. If chemical leak is noticed contact operations manager, IH&S Rep during regular working hrs. Over100 gallons of a chemical spill leave area, and control	P101-6 PPE • P101-23 Asbestos • P101-31 Hearing Conservations/Noise Program	LANL PPE or equivalent • Hearing protection • Site specific training • Asbestos awareness

		access. Call Serf Operators 667-8982 or by Radio Lanl 2 Util 6 For mitigation cleanup process. For after-hours contact the UI Duty Officer, 699-7452 to re-assess any abnormal situation		
Energized and Operative Systems Working near energized electrical parts, pressure systems, steam lines; near unprotected belts, pulleys, chains or rotating equipment; fuel fired equipment other than vehicles; or spark or flame producing operations. **Specify Hazards:** Energized/rotating equipment, High Temperature, High Pressure Water and Steam equipment.	☒ Yes ☐ No	Stay within established walking areas. Observe safety signage alarm lights and horns. Identify explosive hazards and follow task specific IWD if working on plant equipment or components. Note: All TA3-22 independent verification requirement will be determined by the FOD or FOD designee . If questions consult with UI system engineer, Operation Mgr. Designee, or Safety rep.	P101-13 Electrical Safety P101-3 LOTO P101-34 Pressure, Vacuum, and Cryogenic System.	Site Specific Training video. Electrical Safety LOTO if applicable to task.
Confined Spaces Entry into tanks, manholes, cooling towers, sumps, or any other area with potentially low oxygen concentration or other hazards such as toxic vapors or engulfment. **Specify Hazards:**	☒ Yes ☐ No	Observe confined space signs or markings and follow LANL Confined Space Requirements if task requires confined space entry.	P 101-27 Conf. Space	Confined Space Training
Elevated Work Surface Elevated work when fall protection is not provided by conventional handrail systems or required per P101-20, *Fall Protection Program*	☒ Yes ☐ No	Stay within established walking areas, stairways and paths. Observe safety signage. Follow LANL Fall Protection Requirements if task on roofs or work above 4 feet.	P101-20 Fall Protection	Fall Protection
Environmental Impact Activities conducted in areas containing potential release site, contaminated soil, sensitive species, watercourse wetlands, floodplain, historical/archeological sites, or other work area condition that can be impacted by or can impact the environment.	☐ Yes ☒ No			

Specify Hazards:				
Security Requirements **Specify:**	☐ Yes ☒ No			
Other Hazards **Specify:** Look-alike Equipment in the vicinity of work site may contain un-controlled hazardous energy	☒ Yes ☐ No	Adequette barriers and controls will be established to prevent unauthorized personnel/workers from entering job site and encounter uncontrolled hazards.	IWD	Pre-job briefing emphasis. Worker confirmation of look-alike potential hazards, locations and barriers set in place to identify those potential hazards.

I have verified that the hazards identified above adequately identify the area hazards and that the IWM process has been applied appropriately.

FOD or Representative (Signature/Z #/Date) **Approval Required** Pablo F. CdeVaca Digitally signed by Pablo F. CdeVaca DN: cn=Pablo F. CdeVaca, o=LANL, ou=UL, email=pfc@lanl.gov, c=US Date: 2017.11.01 07:28:51 -06'00'

Date Approval Expires: 09/30/2020

FGR Maint. Feb 2019

Facility : F08 **Unit** : 030022 **Proj** :
Task Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
W/O Type : PM **W/O Group** : UTIL **Task Priority** : 4
Planner : 185614 HARRIS JEANETTE S
W/O Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
Written To : TA03-0022 FAN, FLUE GAS RECIRCULING (FGR-001, FGR-002, FGR-003)
Task Dspln : **Due Date** : 02/28/2019
Superintendant :

Hazard : LOW **IWD Reqmt** : N/A LOW HZRD

Work Order Task

00627244 01

MASTER

Date:
01/22/2019

Work Order Task Written To

Facility : F08 **Unit** : 030022 **Op Sys** :
Room : **Area** : **Sys/Cls** :
Equipment : **Component** :
Location :
Job Type : PM
Tag 1 : **Tag 2** :
Work Item : TA03-0022 FGR **Ops Review Reqd** :

Authorization

Start Permission : Glenn martinez **Start Date** : 1-24-19

Complete Notice : Glenn Martinez **Complete Date** : 2-7-19

Work Order Task Instructions

DO NOT lubricate the bearings if the FGR fan is NOT in operation or in service so that proper amount of grease can be applied using headphones
You can hear when grease reaches the bearing rolling element. At this point, stop adding grease to prevent bearing damage from overheating

There are two bearings on the fan, each with its own zerk plug
Remove the shaft guard located in the middle of the drive. The two zerk plugs are located on each of the two bearings

1. Use grease gun with the Ultralube headphones to insert the correct amount of Mobilith SHC 100 grease into zerk fitting

Facility : F08 **Unit** : 030022 **Proj** :
Task Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
W/O Type : PM **W/O Group** : UTIL **Task Priority** : 4
Planner : 185614 HARRIS JEANETTE S
W/O Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
Written To : TA03-0022 FAN, FLUE GAS RECIRCULING (FGR-001, FGR-002, FGR-003)
Task Dspln : **Due Date** : 02/28/2019
Superintendant :

Hazard : LOW **IWD Reqmt** : N/A LOW HZRD

Work Order Task

00627244 01

MASTER

Date:
01/22/2019

b. Apply grease while fan is running and stop when you hear the grease enter the running bearing

Lubricated fan bearings on FGR-001,FGR-002 & FGR-003

4. Add grease with a hand-operated pressure gun until new grease enters the running bearing
a. This is accomplished by using the ultrasonic sensor and headphones to hear when the new grease enters the running bearing
b. Stop adding grease when the grease reaches the bearing to limit excess grease from migrating down the motor shaft and into the windings
Note: Be careful when greasing the fan end bearing of the TEFC (Totally (Totally Enclosed Fan Cooled) motors. Some motors have a spring-relief outlet grease fitting on the fan end that is not accessible. This spring-relief fitting normally does not have to be removed when regreasing. When greasing, take care in the amount of pressure you apply and verify relief is working
5. Putting in too much or too little grease can cause overheating of the motors and result in motor failure. Use this rule of thumb when adding grease to a motor that has been lubricated on a regular basis:
It is better to use a little grease more often than a lot of grease less often
Note: Watch out for motors that were shipped only with the bearings packed and not the fill tube or even the bearing housing
Apply new grease until you can hear it enter the running bearing
6. Now that greasing is complete, leave the relief plug off and run the motor for 10 minutes to expel any excess grease
7. Replace the drain plug and wipe the bearing housing clean
8. Dispose of dirty rags in accordance with Hazardous Waste Guidelines
9. Ensure correct operation of electric motors.

Facility : F08 **Unit** : 030022 **Proj** :
Task Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
W/O Type : PM **W/O Group** : UTIL **Task Priority** : 4
Planner : 185614 HARRIS JEANETTE S
W/O Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
Written To : TA03-0022 FAN, FLUE GAS RECIRCULING (FGR-001, FGR-002, FGR-003)
Task Dspln : **Due Date** : 02/28/2019
Superintendant :

Hazard : LOW **IWD Reqmt** : N/A LOW HZRD

Work Order Task

00627244 01

MASTER

Date:
01/22/2019

QC Requirements / Comments

Work Completion Signatures

Name	Function/Dept.	Date
Chris Salazar	LOG-CS/PP MAINT.....	02/06/2019

Comments

(rework?)

Cost Accounting

Cost Center : P2030A **Activity** : 640CL000

Percentage : 100 **Acct No** : XU5000 **Sub Acct** : 7E2P0000

Facility : F08 **Unit** : 030022 **Proj** :
Task Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
W/O Type : PM **W/O Group** : UTIL **Task Priority** : 4
Planner : 185614 HARRIS JEANETTE S
W/O Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
Written To : TA03-0022 FAN, FLUE GAS RECIRCULING (FGR-001, FGR-002, FGR-003)
Task Dspln : **Due Date** : 02/28/2019
Superintendant :

Hazard : LOW **IWD Reqmt** : N/A LOW HZRD

Work Order Task

00627244 01

MASTER

Date:
01/22/2019

Los Alamos NATIONAL LABORATORY EST. 1943

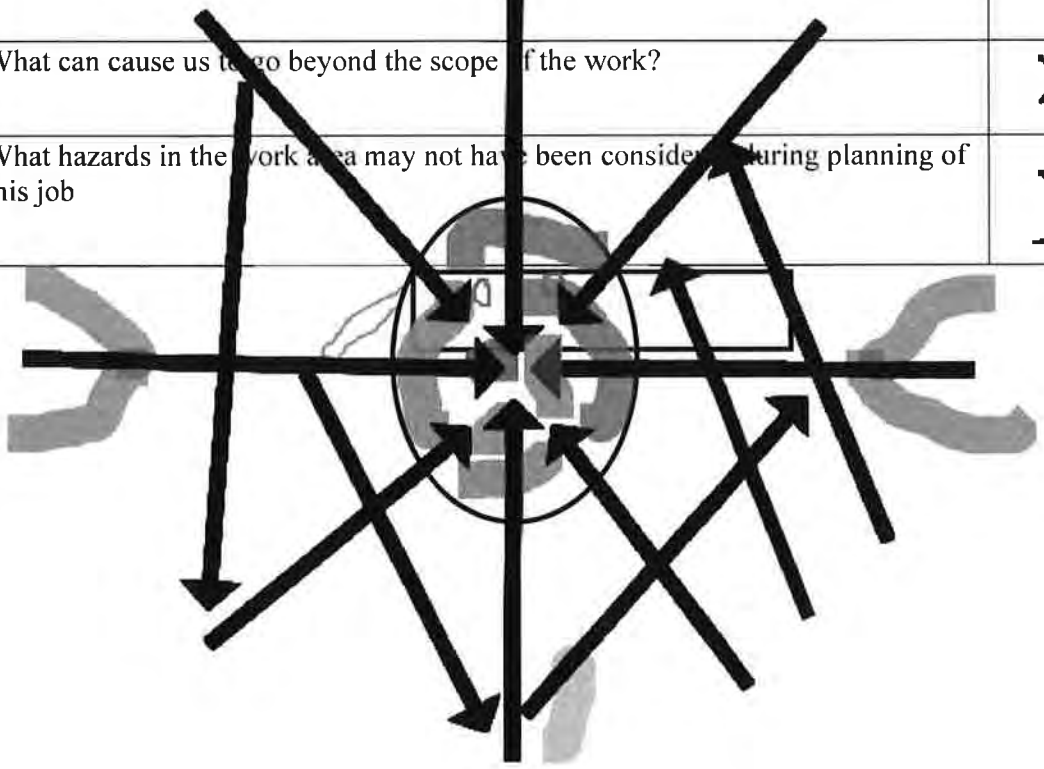
AP-WORK-004: Attachment 1
Maintenance & Site Services
Worker Engagement Questions

Worker engagement questions are intended to focus attention on the task and ensure uncertainties are addressed. Examples of worker engagement questions are provided below. Worker engagement questions should be tailored to the situation.

Each of the questions listed below will be discussed at each Pre-Job Brief with all affected personnel.

2/6/19 JMM

Topic FGR FANS- SHAFT BEARINGS LUBRICATION	Completed (X)
What permits, permissions, or support are required to safely start this work?	X
What is the most likely thing that could go wrong (not the worst thing) and what, specifically, will prevent it?	X
What can cause us to go beyond the scope of the work?	X
What hazards in the work area may not have been considered during planning of this job	X



Los Alamos NATIONAL LABORATORY EST. 1943

Form 2101

Integrated Work Document (IWD) Part 2, FOD Requirements and Approval for Entry and Area Hazards and Controls

Non-Tenant Activity Form

IWD No./Work Request No: _____ Revision #: _____

Facility Operation Director (FOD) must determine the facility entry and coordination requirements and identify the Environment, Safety, Health (ESH)/Security and Safeguards (S&S) hazards and controls associated with the activity location.

FOD	TA	Bldg.	Room	Other Location
8	3	22-24	N/A	Power Plant Bldg - Inside
FOD Designated Facility Point-of-Contact	Name Pablo C de Vaca	Phone 699-8226	Pager N/A	Email pfc@lanl.gov

Entry and Coordination Requirements (*Check one or more of the following*)

- ☐ No Entry/Coordination Requirements
- ☒ Plan of the Day/Plan of the Week (POTD/POTW)
- ☒ Security Clearance Requirements
- ☐ Co-located Hazards/Concerns
- ☒ Check out at End of Work
- ☐ Escort Required
- ☐ Other Bounding Conditions:
- ☐ FOD-designated facility Point-of-Contact must sign IWD Part 3
- ☒ Check in at Start of Work
- ☒ Work must be Scheduled
- ☐ Other Security Requirements (ex.: Cellphone, No Foreign Nationals, etc.)
- ☐ Quality Issues
- ☐ Review under Authorization Basis (AB)/Safety Basis/Unreviewed Safety Question (USQ)
- ☒ Work-Area Training Required
- ☒ Check in Daily
- ☒ Check out Daily

PIC is responsible to conduct a pre-job brief for work activities to ensure that work conditions and worker communications are adequate. A pre job briefing shall be conducted at the job site. UI-OPS will determine if onsite ESH representation is required during work activities

Additional Comments (refer to Job Hazard Analysis [JHA] Tool Facility Notes)

All work must be approved by the Utilities FOD or UI-OPS. POD/POTW-contact Facility POC. No Smoking around Natural Gas Systems. Evaluate inside floor and housekeeping conditions to safely proceed with activities. Check in with Plant Operations Manager/Specialist or Operations Shift Head for final approval to proceed with tasks. Work around power plant chemical pumps and lines. Inspect for leaks before beginning any work task and pause work and report if a leak is found to operations. All personnel entering area must view the site specific training video in room 116 (Boiler Control Room), one time requirement. Observe safety signs and floor markings in all buildings and areas.No safety shoes required for visitors if escorted by Operations or UI Engineering personnel. The West end front lobby and office areas of Bldg 22 are considered a no hazard area.

Instructions: In the block below, identify work-area hazards that could potentially affect the worker(s) or others. Specify the facility controls and preventive measures that must be implemented by the worker(s) to protect against the site hazards as well as any special training required.

ESH/S&S WORK AREA HAZARDS & CONTROLS				
Work Area Hazards/Concerns Identify site hazards and concerns that could potentially affect the worker(s) or others.	**Work Area Hazard Present**	**Facility Controls/ Preventive Measures/ Bounding Conditions** Specify preventive measures, controls and bounding conditions for each site hazard	**Reference Documents** List permits, operating manuals, and other reference procedures	**Training and Qualification** List training requirements (P300, Integretated Work Management, Section 6.1)
☐ **No Work Area Hazards**				

Ionizing Radiation Work in posted radiological areas, work with radioactive materials, or work on or near radiation producing devices. **Specify Hazard:**	☐ Yes ☒ No			

IWD No./Work Request No: _____ Revision #: _____

ESH/S&S WORK AREA HAZARDS & CONTROLS				
Work Area Hazards/Concerns Identify site hazards and concerns that could potentially affect the worker(s) or others.	**Work Area Hazard Present**	**Facility Controls/ Preventive Measures/ Bounding Conditions** Specify preventive measures, controls and bounding conditions for each site hazard	**Reference Documents** List permits, operating manuals, and other reference procedures	**Training and Qualification** List training requirements (P300, Integretated Work Management, Section 6.1)
Worker Exposure Working near non-ionizing radiation, beryllium, noise, chemicals, hazardous biological materials, lead, asbestos, temperature/humidity extremes, or high explosives. **Specify Hazards:**	☒ Yes ☐ No	Required PPE: Hard hat, safety shoes, safety glasses. Hearing protection (noise > 85 dba). Avoid hot surfaces and piping. Long sleeve shirt or Ansell sleeves or coveralls. Gloves when operating valves or contacting pipe/fitting openings where there is potential for hot water/steam release. Be aware of encapsulated asbestos. Follow LANL Asbestos program/rqmts if PACM identified outside containment. Be aware of chemical containers and check labeling. Be aware of piping, associated systems for any leaks. If chemical leak is noticed contact operations manager, IH&S Rep during regular working hrs. Over100 gallons of a chemical spill leave area, and control	P101-6 PPE • P101-23 Asbestos • P101-31 Hearing Conservations/Noise Program	LANL PPE or equivalent • Hearing protection • Site specific training • Asbestos awareness

		access. Call Serf Operators 667-8982 or by Radio Lanl 2 Util 6 For mitigation cleanup process. For after-hours contact the UI Duty Officer, 699-7452 to re-assess any abnormal situation		
Energized and Operative Systems Working near energized electrical parts, pressure systems, steam lines; near unprotected belts, pulleys, chains or rotating equipment; fuel fired equipment other than vehicles; or spark or flame producing operations. **Specify Hazards:** Energized/rotating equipment, High Temperature, High Pressure Water and Steam equipment.	☒ Yes ☐ No	Stay within established walking areas. Observe safety signage alarm lights and horns. Identify explosive hazards and follow task specific IWD if working on plant equipment or components. Note: All TA3-22 independent verification requirement will be determined by the FOD or FOD designee . If questions consult with UI system engineer, Operation Mgr. Designee, or Safety rep.	P101-13 Electrical Safety P101-3 LOTO P101-34 Pressure, Vacuum, and Cryogenic System.	Site Specific Training video. Electrical Safety LOTO if applicable to task.
Confined Spaces Entry into tanks, manholes, cooling towers, sumps, or any other area with potentially low oxygen concentration or other hazards such as toxic vapors or engulfment. **Specify Hazards:**	☒ Yes ☐ No	Observe confined space signs or markings and follow LANL Confined Space Requirements if task requires confined space entry.	P 101-27 Conf. Space	Confined Space Training
Elevated Work Surface Elevated work when fall protection is not provided by conventional handrail systems or required per P101-20, *Fall Protection Program*	☒ Yes ☐ No	Stay within established walking areas, stairways and paths. Observe safety signage. Follow LANL Fall Protection Requirements if task on roofs or work above 4 feet.	P101-20 Fall Protection	Fall Protection
Environmental Impact Activities conducted in areas containing potential release site, contaminated soil, sensitive species, watercourse wetlands, floodplain, historical/archeological sites, or other work area condition that can be impacted by or can impact the environment.	☐ Yes ☒ No			

Specify Hazards:				
Security Requirements **Specify:**	☐ Yes ☒ No			
Other Hazards **Specify:** Look-alike Equipment in the vicinity of work site may contain un-controlled hazardous energy	☒ Yes ☐ No	Adequette barriers and controls will be established to prevent unauthorized personnel/workers from entering job site and encounter uncontrolled hazards.	IWD	Pre-job briefing emphasis. Worker confirmation of look-alike potential hazards, locations and barriers set in place to identify those potential hazards.

I have verified that the hazards identified above adequately identify the area hazards and that the IWM process has been applied appropriately.

FOD or Representative (Signature/Z #/Date) **Approval Required** Pablo F. CdeVaca Digitally signed by Pablo F. CdeVaca DN: cn=Pablo F. CdeVaca, o=LANS, ou=LI, email=pfc@lanl.gov, c=US Date: 2017.11.01 07:28:54 -06'00'

Date Approval Expires: 09/30/2020

FGR Maint: March 2019

Facility : F08 **Unit** : 030022 **Proj** :
Task Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
W/O Type : PM **W/O Group** : UTIL **Task Priority** : 4
Planner : 185614 HARRIS JEANETTE S
W/O Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
Written To : TA03-0022 FAN, FLUE GAS RECIRCULING (FGR-001, FGR-002, FGR-003)
Task Dspln : **Due Date** : 03/31/2019
Superintendant :

Hazard : LOW **IWD Reqmt** : N/A LOW HZRD

Work Order Task

00629515 01

MASTER

Date:
03/01/2019

Work Order Task Written To

Facility : F08 **Unit** : 030022 **Op Sys** :
Room : **Area** : **Sys/Cls** :
Equipment : **Component** :
Location :
Job Type : PM
Tag 1 : **Tag 2** :
Work Item : TA03-0022 FGR **Ops Review Reqd** :

Authorization

Start Permission : Glenn Martinez **Start Date** : 3-4-19
Complete Notice : Glenn martinez **Complete Date** : 3-6-19

Work Order Task Instructions

DO NOT lubricate the bearings if the FGR fan is NOT in operation or in service so that proper amount of grease can be applied
using headphones
You can hear when grease reaches the bearing rolling element. At this point, stop adding grease to prevent bearing damage from overheating

There are two bearings on the fan, each with its own zerk plug
Remove the shaft guard located in the middle of the drive. The two zerk plugs are located on each of the two bearings

1. Use grease gun with the Ultralube headphones to insert the correct amount of Mobilith SHC 100 grease into zerk fitting

Facility : F08 **Unit** : 030022 **Proj** :
Task Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
W/O Type : PM **W/O Group** : UTIL **Task Priority** : 4
Planner : 185614 HARRIS JEANETTE S
W/O Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
Written To : TA03-0022 FAN, FLUE GAS RECIRCULING (FGR-001, FGR-002, FGR-003)
Task Dspln : **Due Date** : 03/31/2019
Superintendant :

Hazard : LOW **IWD Reqmt** : N/A LOW HZRD

Work Order Task

00629515 01

MASTER

Date:
03/01/2019

b. Apply grease while fan is running and stop when you hear the grease enter the running bearing

Lubricated fan bearings on FGR-001,FGR-002 & FGR-003

4. Add grease with a hand-operated pressure gun until new grease enters the running bearing
a. This is accomplished by using the ultrasonic sensor and headphones to hear when the new grease enters the running bearing
b. Stop adding grease when the grease reaches the bearing to limit excess grease from migrating down the motor shaft and into the windings
Note: Be careful when greasing the fan end bearing of the TEFC (Totally (Totally Enclosed Fan Cooled) motors. Some motors have a spring-relief outlet grease fitting on the fan end that is not accessible. This spring-relief fitting normally does not have to be removed when regreasing. When greasing, take care in the amount of pressure you apply and verify relief is working
5. Putting in too much or too little grease can cause overheating of the motors and result in motor failure. Use this rule of thumb when adding grease to a motor that has been lubricated on a regular basis:
It is better to use a little grease more often than a lot of grease less often
Note: Watch out for motors that were shipped only with the bearings packed and not the fill tube or even the bearing housing
Apply new grease until you can hear it enter the running bearing
6. Now that greasing is complete, leave the relief plug off and run the motor for 10 minutes to expel any excess grease
7. Replace the drain plug and wipe the bearing housing clean
8. Dispose of dirty rags in accordance with Hazardous Waste Guidelines
9. Ensure correct operation of electric motors.

Facility : F08 **Unit** : 030022 **Proj** :
Task Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
W/O Type : PM **W/O Group** : UTIL **Task Priority** : 4
Planner : 185614 HARRIS JEANETTE S
W/O Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
Written To : TA03-0022 FAN, FLUE GAS RECIRCULING (FGR-001, FGR-002, FGR-003)
Task Dspln : **Due Date** : 03/31/2019
Superintendant :

Hazard : LOW **IWD Reqmt** : N/A LOW HZRD

Work Order Task

00629515 01

MASTER

Date:
03/01/2019

QC Requirements / Comments

Work Completion Signatures

Name	Function/Dept.	Date
Chris Salazar	LOG-CS/PP AMINT.....	03-05-2019

Comments

(rework?)

Cost Accounting

Cost Center : P2030A **Activity** : 640CL000

Percentage : 100 **Acct No** : XU5000 **Sub Acct** : 7E2P0000

Facility : F08 **Unit** : 030022 **Proj** :
Task Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
W/O Type : PM **W/O Group** : UTIL **Task Priority** : 4
Planner : 185614 HARRIS JEANETTE S
W/O Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
Written To : TA03-0022 FAN, FLUE GAS RECIRCULING (FGR-001, FGR-002, FGR-003)
Task Dspln : **Due Date** : 03/31/2019
Superintendant :

Hazard : LOW **IWD Reqmt** : N/A LOW HZRD

Work Order Task

00629515 01

MASTER

Date:
03/01/2019

Los Alamos NATIONAL LABORATORY EST. 1943

AP-WORK-004: Attachment 1
Maintenance & Site Services
Worker Engagement Questions

Worker engagement questions are intended to focus attention on the task and ensure uncertainties are addressed. Examples of worker engagement questions are provided below. Worker engagement questions should be tailored to the situation.

Each of the questions listed below will be discussed at each Pre-Job Brief with all affected personnel.

3/5/19 JRW

Topic 1mo FGR Fan Lubrication	Completed (X)
What permits, permissions, or support are required to safely start this work?	X
What is the most likely thing that could go wrong (not the worst thing) and what, specifically, will prevent it?	X
What can cause us to go beyond the scope of the work?	X
What hazards in the work area may not have been considered during planning of this job	X

Form 2101

Los Alamos NATIONAL LABORATORY EST.1943

Integrated Work Document (IWD) Part 2, FOD Requirements and Approval for Entry and Area Hazards and Controls

Non-Tenant Activity Form

IWD No./Work Request No: _____ Revision #: _____

Facility Operation Director (FOD) must determine the facility entry and coordination requirements and identify the Environment, Safety, Health (ESH)/Security and Safeguards (S&S) hazards and controls associated with the activity location.

FOD	TA	Bldg.	Room	Other Location
8	3	22-24	N/A	Power Plant Bldg - Inside
FOD Designated Facility Point-of-Contact	Name Pablo C de Vaca	Phone 699-8226	Pager N/A	Email pfc@lanl.gov

Entry and Coordination Requirements (*Check one or more of the following*)

- ☐ No Entry/Coordination Requirements
- ☒ Plan of the Day/Plan of the Week (POTD/POTW)
- ☒ Security Clearance Requirements
- ☐ Co-located Hazards/Concerns
- ☒ Check out at End of Work
- ☐ Escort Required
- ☐ Other Bounding Conditions:
- ☐ FOD-designated facility Point-of-Contact must sign IWD Part 3
- ☒ Check in at Start of Work
- ☒ Work must be Scheduled
- ☐ Other Security Requirements (ex.: Cellphone, No Foreign Nationals, etc.)
- ☐ Quality Issues
- ☐ Review under Authorization Basis (AB)/Safety Basis/Unreviewed Safety Question (USQ)
- ☒ Work-Area Training Required
- ☒ Check in Daily
- ☒ Check out Daily

PIC is responsible to conduct a pre-job brief for work activities to ensure that work conditions and worker communications are adequate. A pre job briefing shall be conducted at the job site. UI-OPS will determine if onsite ESH representation is required during work activities

Additional Comments (refer to Job Hazard Analysis [JHA] Tool Facility Notes)

All work must be approved by the Utilities FOD or UI-OPS. POD/POTW-contact Facility POC. No Smoking around Natural Gas Systems. Evaluate inside floor and housekeeping conditions to safely proceed with activities. Check in with Plant Operations Manager/Specialist or Operations Shift Head for final approval to proceed with tasks. Work around power plant chemical pumps and lines. Inspect for leaks before beginning any work task and pause work and report if a leak is found to operations. All personnel entering area must view the site specific training video in room 116 (Boiler Control Room), one time requirement. Observe safety signs and floor markings in all buildings and areas.No safety shoes required for visitors if escorted by Operations or UI Engineering personnel. The West end front lobby and office areas of Bldg 22 are considered a no hazard area.

Instructions: In the block below, identify work-area hazards that could potentially affect the worker(s) or others. Specify the facility controls and preventive measures that must be implemented by the worker(s) to protect against the site hazards as well as any special training required.

ESH/S&S WORK AREA HAZARDS & CONTROLS				
Work Area Hazards/Concerns Identify site hazards and concerns that could potentially affect the worker(s) or others.	**Work Area Hazard Present**	**Facility Controls/ Preventive Measures/ Bounding Conditions** Specify preventive measures, controls and bounding conditions for each site hazard	**Reference Documents** List permits, operating manuals, and other reference procedures	**Training and Qualification** List training requirements (P300, Integretated Work Management, Section 6.1)
☐ **No Work Area Hazards**				

Ionizing Radiation Work in posted radiological areas, work with radioactive materials, or work on or near radiation producing devices. **Specify Hazard:**	☐ Yes ☒ No			

IWD No./Work Request No: _____ Revision #: _____

ESH/S&S WORK AREA HAZARDS & CONTROLS				
Work Area Hazards/Concerns Identify site hazards and concerns that could potentially affect the worker(s) or others.	**Work Area Hazard Present**	**Facility Controls/ Preventive Measures/ Bounding Conditions** Specify preventive measures, controls and bounding conditions for each site hazard	**Reference Documents** List permits, operating manuals, and other reference procedures	**Training and Qualification** List training requirements (P300, Integretated Work Management, Section 6.1)
Worker Exposure Working near non-ionizing radiation, beryllium, noise, chemicals, hazardous biological materials, lead, asbestos, temperature/humidity extremes, or high explosives. **Specify Hazards:**	☒ Yes ☐ No	Required PPE: Hard hat, safety shoes, safety glasses. Hearing protection (noise > 85 dba). Avoid hot surfaces and piping. Long sleeve shirt or Ansell sleeves or coveralls. Gloves when operating valves or contacting pipe/fitting openings where there is potential for hot water/steam release. Be aware of encapsulated asbestos. Follow LANL Asbestos program/rqmts if PACM identified outside containment. Be aware of chemical containers and check labeling. Be aware of piping, associated systems for any leaks. If chemical leak is noticed contact operations manager, IH&S Rep during regular working hrs. Over100 gallons of a chemical spill leave area, and control	P101-6 PPE • P101-23 Asbestos • P101-31 Hearing Conservations/Noise Program	LANL PPE or equivalent • Hearing protection • Site specific training • Asbestos awareness

		access. Call Serf Operators 667-8982 or by Radio Lanl 2 Util 6 For mitigation cleanup process. For after-hours contact the UI Duty Officer, 699-7452 to re-assess any abnormal situation		
Energized and Operative Systems Working near energized electrical parts, pressure systems, steam lines; near unprotected belts, pulleys, chains or rotating equipment; fuel fired equipment other than vehicles; or spark or flame producing operations. **Specify Hazards:** Energized/rotating equipment, High Temperature, High Pressure Water and Steam equipment.	☒ Yes ☐ No	Stay within established walking areas. Observe safety signage alarm lights and horns. Identify explosive hazards and follow task specific IWD if working on plant equipment or components. Note: All TA3-22 independent verification requirement will be determined by the FOD or FOD designee . If questions consult with UI system engineer, Operation Mgr. Designee, or Safety rep.	P101-13 Electrical Safety P101-3 LOTO P101-34 Pressure, Vacuum, and Cryogenic System.	Site Specific Training video. Electrical Safety LOTO if applicable to task.
Confined Spaces Entry into tanks, manholes, cooling towers, sumps, or any other area with potentially low oxygen concentration or other hazards such as toxic vapors or engulfment. **Specify Hazards:**	☒ Yes ☐ No	Observe confined space signs or markings and follow LANL Confined Space Requirements if task requires confined space entry.	P 101-27 Conf. Space	Confined Space Training
Elevated Work Surface Elevated work when fall protection is not provided by conventional handrail systems or required per P101-20, *Fall Protection Program*	☒ Yes ☐ No	Stay within established walking areas, stairways and paths. Observe safety signage. Follow LANL Fall Protection Requirements if task on roofs or work above 4 feet.	P101-20 Fall Protection	Fall Protection
Environmental Impact Activities conducted in areas containing potential release site, contaminated soil, sensitive species, watercourse wetlands, floodplain, historical/archeological sites, or other work area condition that can be impacted by or can impact the environment.	☐ Yes ☒ No			

Specify Hazards:				
Security Requirements **Specify:**	☐ Yes ☒ No			
Other Hazards **Specify:** Look-alike Equipment in the vicinity of work site may contain un-controlled hazardous energy	☒ Yes ☐ No	Adequette barriers and controls will be established to prevent unauthorized personnel/workers from entering job site and encounter uncontrolled hazards.	IWD	Pre-job briefing emphasis. Worker confirmation of look-alike potential hazards, locations and barriers set in place to identify those potential hazards.

I have verified that the hazards identified above adequately identify the area hazards and that the IWM process has been applied appropriately.

FOD or Representative (Signature/Z #/Date) **Approval Required** Pablo F. CdeVaca Digitally signed by Pablo F. CdeVaca DN: cn=Pablo F. CdeVaca, o=LANL, ou=I, email=pfc@lanl.gov, c=US Date: 2017.11.01 07:28:53 -06'00'

Date Approval Expires: 09/30/2020

FGR Maint: April 2019

Facility : F08 **Unit :** 030022 **Proj :**
Task Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
W/O Type : PM **W/O Group :** UTIL **Task Priority :** 4
Planner : 185614 HARRIS JEANETTE S
W/O Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
Written To : TA03-0022 FAN, FLUE GAS RECIRCULING (FGR-001, FGR-002, FGR-003)
Task Dspln : **Due Date :** 04/30/2019
Superintendant :

Hazard : LOW **IWD Reqmt :** N/A LOW HZRD

Work Order Task

00631525 01

MASTER

Date:
03/24/2019

Work Order Task Written To

Facility : F08 **Unit :** 030022 **Op Sys :**
Room : **Area :** **Sys/Cls :**
Equipment : **Component :**
Location :
Job Type : PM
Tag 1 : **Tag 2 :**
Work Item : TA03-0022 FGR **Ops Review Reqd :**

Authorization

Start Permission : Glenn Martinez **Start Date :** 3-25-19
Complete Notice : Glenn Martinez **Complete Date :** 4-2-19

Work Order Task Instructions

DO NOT lubricate the bearings if the FGR fan is NOT in operation or in service so that proper amount of grease can be applied
using headphones
You can hear when grease reaches the bearing rolling element. At this point, stop adding grease to prevent bearing damage from overheating

There are two bearings on the fan, each with its own zerk plug
Remove the shaft guard located in the middle of the drive. The two zerk plugs are located on each of the two bearings

1. Use grease gun with the Ultralube headphones to insert the correct amount of Mobilith SHC 100 grease into zerk fitting

Facility : F08 **Unit :** 030022 **Proj :**
Task Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
W/O Type : PM **W/O Group :** UTIL **Task Priority :** 4
Planner : 185614 HARRIS JEANETTE S
W/O Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
Written To : TA03-0022 FAN, FLUE GAS RECIRCULING (FGR-001, FGR-002, FGR-003)
Task Dspln : **Due Date :** 04/30/2019
Superintendant :

Hazard : LOW **IWD Reqmt :** N/A LOW HZRD

Work Order Task

00631525 01

MASTER

Date:
03/24/2019

b. Apply grease while fan is running and stop when you hear the grease enter the running bearing

Lubricated fan bearings on FGR-001,FGR-002 & FGR-003

4. Add grease with a hand-operated pressure gun until new grease enters the running bearing
a. This is accomplished by using the ultrasonic sensor and headphones to hear when the new grease enters the running bearing
b. Stop adding grease when the grease reaches the bearing to limit excess grease from migrating down the motor shaft and into the windings
Note: Be careful when greasing the fan end bearing of the TEFC (Totally (Totally Enclosed Fan Cooled) motors. Some motors have a spring-relief outlet grease fitting on the fan end that is not accessible. This spring-relief fitting normally does not have to be removed when regreasing. When greasing, take care in the amount of pressure you apply and verify relief is working
5. Putting in too much or too little grease can cause overheating of the motors and result in motor failure. Use this rule of thumb when adding grease to a motor that has been lubricated on a regular basis:
It is better to use a little grease more often than a lot of grease less often
Note: Watch out for motors that were shipped only with the bearings packed and not the fill tube or even the bearing housing
Apply new grease until you can hear it enter the running bearing
6. Now that greasing is complete, leave the relief plug off and run the motor for 10 minutes to expel any excess grease
7. Replace the drain plug and wipe the bearing housing clean
8. Dispose of dirty rags in accordance with Hazardous Waste Guidelines
9. Ensure correct operation of electric motors.

Facility : F08 **Unit :** 030022 **Proj :**
Task Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
W/O Type : PM **W/O Group :** UTIL **Task Priority :** 4
Planner : 185614 HARRIS JEANETTE S
W/O Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
Written To : TA03-0022 FAN, FLUE GAS RECIRCULING (FGR-001, FGR-002, FGR-003)
Task Dspln : **Due Date :** 04/30/2019
Superintendant :

Hazard : LOW **IWD Reqmt :** N/A LOW HZRD

Work Order Task

00631525 01

MASTER

Date:
03/24/2019

QC Requirements / Comments

Work Completion Signatures

Name	Function/Dept.	Date
John M. Miller	Maint.Foreman	4/2/19

Comments

(rework?)

Cost Accounting

Cost Center : P2030A **Activity :** 640CL000

Percentage : 100 **Acct No :** XU5000 **Sub Acct :** 7E2P0000

Facility : F08 **Unit** : 030022 **Proj** :
Task Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
W/O Type : PM **W/O Group** : UTIL **Task Priority** : 4
Planner : 185614 HARRIS JEANETTE S
W/O Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
Written To : TA03-0022 FAN, FLUE GAS RECIRCULING (FGR-001, FGR-002, FGR-003)
Task Dspln : **Due Date** : 04/30/2019
Superintendant :

Hazard : LOW **IWD Reqmt** : N/A LOW HZRD

Work Order Task

00631525 01

MASTER

Date:
03/24/2019

Los Alamos NATIONAL LABORATORY EST. 1943

AP-WORK-004: Attachment 1
Maintenance & Site Services
Worker Engagement Questions

Worker engagement questions are intended to focus attention on the task and ensure uncertainties are addressed. Examples of worker engagement questions are provided below. Worker engagement questions should be tailored to the situation.

Each of the questions listed below will be discussed at each Pre-Job Brief with all affected personnel.

Topic FGR Bearing Lubricate PM	Completed (X)
What permits, permissions, or support are required to safely start this work?	X
What is the most likely thing that could go wrong (not the worst thing) and what, specifically, will prevent it?	X
What can cause us to go beyond the scope of the work?	X
What hazards in the work area may not have been considered during planning of this job	X

Los Alamos NATIONAL LABORATORY EST.1943

Form 2101

Integrated Work Document (IWD) Part 2, FOD Requirements and Approval for Entry and Area Hazards and Controls

Non-Tenant Activity Form

IWD No./Work Request No: _____ Revision #: _____

Facility Operation Director (FOD) must determine the facility entry and coordination requirements and identify the Environment, Safety, Health (ESH)/Security and Safeguards (S&S) hazards and controls associated with the activity location.

FOD	TA	Bldg.	Room	Other Location
8	3	22-24	N/A	. Power Plant Bldg - Inside
FOD Designated Facility Point-of-Contact	Name Pablo C de Vaca	Phone 699-8226	Pager N/A	Email pfc@lanl.gov

Entry and Coordination Requirements (*Check one or more of the following*)

- ☐ No Entry/Coordination Requirements
- ☒ Plan of the Day/Plan of the Week (POTD/POTW)
- ☒ Security Clearance Requirements
- ☐ Co-located Hazards/Concerns
- ☒ Check out at End of Work
- ☐ Escort Required
- ☐ Other Bounding Conditions:
- ☐ FOD-designated facility Point-of-Contact must sign IWD Part 3
- ☒ Check in at Start of Work
- ☒ Work must be Scheduled
- ☐ Other Security Requirements (ex.: Cellphone, No Foreign Nationals, etc.)
- ☐ Quality Issues
- ☐ Review under Authorization Basis (AB)/Safety Basis/Unreviewed Safety Question (USQ)
- ☒ Work-Area Training Required
- ☒ Check in Daily
- ☒ Check out Daily

PIC is responsible to conduct a pre-job brief for work activities to ensure that work conditions and worker communications are adequate. A pre job briefing shall be conducted at the job site. UI-OPS will determine if onsite ESH representation is required during work activities

Additional Comments (refer to Job Hazard Analysis [JHA] Tool Facility Notes)

All work must be approved by the Utilities FOD or UI-OPS. POD/POTW-contact Facility POC. No Smoking around Natural Gas Systems. Evaluate inside floor and housekeeping conditions to safely proceed with activities. Check in with Plant Operations Manager/Specialist or Operations Shift Head for final approval to proceed with tasks. Work around power plant chemical pumps and lines. Inspect for leaks before beginning any work task and pause work and report if a leak is found to operations. All personnel entering area must view the site specific training video in room 116 (Boiler Control Room), one time requirement. Observe safety signs and floor markings in all buildings and areas.No safety shoes required for visitors if escorted by Operations or UI Engineering personnel. The West end front lobby and office areas of Bldg 22 are considered a no hazard area.

Instructions: In the block below, identify work-area hazards that could potentially affect the worker(s) or others. Specify the facility controls and preventive measures that must be implemented by the worker(s) to protect against the site hazards as well as any special training required.

ESH/S&S WORK AREA HAZARDS & CONTROLS				
Work Area Hazards/Concerns Identify site hazards and concerns that could potentially affect the worker(s) or others.	**Work Area Hazard Present**	**Facility Controls/ Preventive Measures/ Bounding Conditions** Specify preventive measures, controls and bounding conditions for each site hazard	**Reference Documents** List permits, operating manuals, and other reference procedures	**Training and Qualification** List training requirements (P300, Integretated Work Management, Section 6.1)
☐ **No Work Area Hazards**				

Ionizing Radiation Work in posted radiological areas, work with radioactive materials, or work on or near radiation producing devices. **Specify Hazard:**	☐ Yes ☒ No			

IWD No./Work Request No: _____ Revision #: _____

ESH/S&S WORK AREA HAZARDS & CONTROLS				
Work Area Hazards/Concerns Identify site hazards and concerns that could potentially affect the worker(s) or others.	**Work Area Hazard Present**	**Facility Controls/ Preventive Measures/ Bounding Conditions** Specify preventive measures, controls and bounding conditions for each site hazard	**Reference Documents** List permits, operating manuals, and other reference procedures	**Training and Qualification** List training requirements (P300, Integretated Work Management, Section 6.1)
Worker Exposure Working near non-ionizing radiation, beryllium, noise, chemicals, hazardous biological materials, lead, asbestos, temperature/humidity extremes, or high explosives. **Specify Hazards:**	☒ Yes ☐ No	Required PPE: Hard hat, safety shoes, safety glasses. Hearing protection (noise > 85 dba). Avoid hot surfaces and piping. Long sleeve shirt or Ansell sleeves or coveralls. Gloves when operating valves or contacting pipe/fitting openings where there is potential for hot water/steam release. Be aware of encapsulated asbestos. Follow LANL Asbestos program/rqmts if PACM identified outside containment. Be aware of chemical containers and check labeling. Be aware of piping, associated systems for any leaks. If chemical leak is noticed contact operations manager, IH&S Rep during regular working hrs. Over100 gallons of a chemical spill leave area, and control	P101-6 PPE • P101-23 Asbestos • P101-31 Hearing Conservations/Noise Program	LANL PPE or equivalent • Hearing protection • Site specific training • Asbestos awareness

		access. Call Serf Operators 667-8982 or by Radio Lanl 2 Util 6 For mitigation cleanup process. For after-hours contact the UI Duty Officer, 699-7452 to re-assess any abnormal situation		
Energized and Operative Systems Working near energized electrical parts, pressure systems, steam lines; near unprotected belts, pulleys, chains or rotating equipment; fuel fired equipment other than vehicles; or spark or flame producing operations. **Specify Hazards:** Energized/rotating equipment, High Temperature, High Pressure Water and Steam equipment.	☒ Yes ☐ No	Stay within established walking areas. Observe safety signage alarm lights and horns. Identify explosive hazards and follow task specific IWD if working on plant equipment or components. Note: All TA3-22 independent verification requirement will be determined by the FOD or FOD designee . If questions consult with UI system engineer, Operation Mgr. Designee, or Safety rep.	P101-13 Electrical Safety P101-3 LOTO P101-34 Pressure, Vacuum, and Cryogenic System.	Site Specific Training video. Electrical Safety LOTO if applicable to task.
Confined Spaces Entry into tanks, manholes, cooling towers, sumps, or any other area with potentially low oxygen concentration or other hazards such as toxic vapors or engulfment. **Specify Hazards:**	☒ Yes ☐ No	Observe confined space signs or markings and follow LANL Confined Space Requirements if task requires confined space entry.	P 101-27 Conf. Space	Confined Space Training
Elevated Work Surface Elevated work when fall protection is not provided by conventional handrail systems or required per P101-20, *Fall Protection Program*	☒ Yes ☐ No	Stay within established walking areas, stairways and paths. Observe safety signage. Follow LANL Fall Protection Requirements if task on roofs or work above 4 feet.	P101-20 Fall Protection	Fall Protection
Environmental Impact Activities conducted in areas containing potential release site, contaminated soil, sensitive species, watercourse wetlands, floodplain, historical/archeological sites, or other work area condition that can be impacted by or can impact the environment.	☐ Yes ☒ No			

Specify Hazards:				
Security Requirements **Specify:**	☐ Yes ☒ No			
Other Hazards **Specify:** Look-alike Equipment in the vicinity of work site may contain un-controlled hazardous energy	☒ Yes ☐ No	Adequette barriers and controls will be established to prevent unauthorized personnel/workers from entering job site and encounter uncontrolled hazards.	IWD	Pre-job briefing emphasis. Worker confirmation of look-alike potential hazards, locations and barriers set in place to identify those potential hazards.

I have verified that the hazards identified above adequately identify the area hazards and that the IWM process has been applied appropriately.

FOD or Representative (Signature/Z #/Date) **Approval Required** Pablo F. CdeVaca

Digitally signed by Pablo F. CdeVaca
DN: cn=Pablo F. CdeVaca, o=LANS ou=UL email=pfcalani.gov, c=US
Date: 2017.11.01 07:28:54 -06'00'

Date Approval Expires: 09/30/2020

FGR Maint: May 2019

Facility : F08 **Unit :** 030022 **Proj :**
Task Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
W/O Type : PM **W/O Group :** UTIL **Task Priority :** 4
Planner : 185614 HARRIS JEANETTE S
W/O Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
Written To : TA03-0022 FAN, FLUE GAS RECIRCULING (FGR-001, FGR-002, FGR-003)
Task Dspln : **Due Date :** 05/31/2019
Superintendant :

Hazard : LOW **IWD Reqmt :** N/A LOW HZRD

Work Order Task

00633998 01

MASTER

Date:
04/22/2019

Work Order Task Written To

Facility : F08 **Unit :** 030022 **Op Sys :**
Room : **Area :** **Sys/Cls :**
Equipment : **Component :**
Location :
Job Type : PM
Tag 1 : **Tag 2 :**
Work Item : TA03-0022 FGR **Ops Review Reqd :**

Authorization

Start Permission : Glenn Martinez **Start Date :** 4-23-19
Complete Notice : Glenn Martinez **Complete Date :** Insert Text Here

Work Order Task Instructions

DO NOT lubricate the bearings if the FGR fan is NOT in operation or in service so that proper amount of grease can be applied
using headphones
You can hear when grease reaches the bearing rolling element. At this point, stop adding grease to prevent bearing damage from overheating

There are two bearings on the fan, each with its own zerk plug
Remove the shaft guard located in the middle of the drive. The two zerk plugs are located on each of the two bearings

1. Use grease gun with the Ultralube headphones to insert the correct amount of Mobilith SHC 100 grease into zerk fitting

Facility : F08 **Unit :** 030022 **Proj :**
Task Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
W/O Type : PM **W/O Group :** UTIL **Task Priority :** 4
Planner : 185614 HARRIS JEANETTE S
W/O Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
Written To : TA03-0022 FAN, FLUE GAS RECIRCULING (FGR-001, FGR-002, FGR-003)
Task Dspln : **Due Date :** 05/31/2019
Superintendant :

Hazard : LOW **IWD Reqmt :** N/A LOW HZRD

Work Order Task

00633998 01

MASTER

Date:
04/22/2019

b. Apply grease while fan is running and stop when you hear the grease enter the running bearing

Lubricated fan bearings on FGR-001,FGR-002 & FGR-003

4. Add grease with a hand-operated pressure gun until new grease enters the running bearing
a. This is accomplished by using the ultrasonic sensor and headphones to hear when the new grease enters the running bearing
b. Stop adding grease when the grease reaches the bearing to limit excess grease from migrating down the motor shaft and into the windings
Note: Be careful when greasing the fan end bearing of the TEFC (Totally (Totally Enclosed Fan Cooled) motors. Some motors have a spring-relief outlet grease fitting on the fan end that is not accessible. This spring-relief fitting normally does not have to be removed when regreasing. When greasing, take care in the amount of pressure you apply and verify relief is working
5. Putting in too much or too little grease can cause overheating of the motors and result in motor failure. Use this rule of thumb when adding grease to a motor that has been lubricated on a regular basis:
It is better to use a little grease more often than a lot of grease less often
Note: Watch out for motors that were shipped only with the bearings packed and not the fill tube or even the bearing housing
Apply new grease until you can hear it enter the running bearing
6. Now that greasing is complete, leave the relief plug off and run the motor for 10 minutes to expel any excess grease
7. Replace the drain plug and wipe the bearing housing clean
8. Dispose of dirty rags in accordance with Hazardous Waste Guidelines
9. Ensure correct operation of electric motors.

Facility : F08 **Unit :** 030022 **Proj :**
Task Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
W/O Type : PM **W/O Group :** UTIL **Task Priority :** 4
Planner : 185614 HARRIS JEANETTE S
W/O Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
Written To : TA03-0022 FAN, FLUE GAS RECIRCULING (FGR-001, FGR-002, FGR-003)
Task Dspln : **Due Date :** 05/31/2019
Superintendant :

Hazard : LOW **IWD Reqmt :** N/A LOW HZRD

Work Order Task

00633998 01

MASTER

Date:
04/22/2019

QC Requirements / Comments

Work Completion Signatures

Name	Function/Dept.	Date
Chris Salazar	LOG-CS/PP MAINT...	05-13-2019 Insert Text Here

Comments

(rework?)

Cost Accounting

Cost Center : P2030A **Activity :** 640CL000

Percentage : 100 **Acct No :** XU5000 **Sub Acct :** 7E2P0000

Facility : F08 **Unit** : 030022 **Proj** :
Task Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
W/O Type : PM **W/O Group** : UTIL **Task Priority** : 4
Planner : 185614 HARRIS JEANETTE S
W/O Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
Written To : TA03-0022 FAN, FLUE GAS RECIRCULING (FGR-001, FGR-002, FGR-003)
Task Dspln : **Due Date** : 05/31/2019
Superintendant :

Hazard : LOW **IWD Reqmt** : N/A LOW HZRD

Work Order Task

00633998 01

MASTER

Date:
04/22/2019

Los Alamos NATIONAL LABORATORY EST. 1943

AP-WORK-004: Attachment 1
Maintenance & Site Services
Worker Engagement Questions

Worker engagement questions are intended to focus attention on the task and ensure uncertainties are addressed. Examples of worker engagement questions are provided below. Worker engagement questions should be tailored to the situation.

Each of the questions listed below will be discussed at each Pre-Job Brief with all affected personnel.

Topic 1mo FGR Fan Lube 05-13-2019	**Completed (X)**
What permits, permissions, or support are required to safely start this work?	X
What is the most likely thing that could go wrong (not the worst thing) and what, specifically, will prevent it?	X
What can cause us to go beyond the scope of the work?	X
What hazards in the work area may not have been considered during planning of this job	X

Insert Text Here

Form 2101

Los Alamos NATIONAL LABORATORY EST.1943

Integrated Work Document (IWD) Part 2, FOD Requirements and Approval for Entry and Area Hazards and Controls

Non-Tenant Activity Form

IWD No./Work Request No: ____ Revision #: ____

Facility Operation Director (FOD) must determine the facility entry and coordination requirements and identify the Environment, Safety, Health (ESH)/Security and Safeguards (S&S) hazards and controls associated with the activity location.

FOD 8	TA 3	Bldg. 22-24	Room N/A	Other Location Power Plant Bldg - Inside
FOD Designated Facility Point-of-Contact	Name Pablo C de Vaca	Phone 699-8226	Pager N/A	Email pfc@lanl.gov

Entry and Coordination Requirements (*Check one or more of the following*)

- ☐ No Entry/Coordination Requirements
- ☒ Plan of the Day/Plan of the Week (POTD/POTW)
- ☒ Security Clearance Requirements
- ☐ Co-located Hazards/Concerns
- ☒ Check out at End of Work
- ☐ Escort Required
- ☐ Other Bounding Conditions:
- ☐ FOD-designated facility Point-of-Contact must sign IWD Part 3
- ☒ Check in at Start of Work
- ☒ Work must be Scheduled
- ☐ Other Security Requirements (ex.: Cellphone, No Foreign Nationals, etc.)
- ☐ Quality Issues
- ☐ Review under Authorization Basis (AB)/Safety Basis/Unreviewed Safety Question (USQ)
- ☒ Work-Area Training Required
- ☒ Check in Daily
- ☒ Check out Daily

PIC is responsible to conduct a pre-job brief for work activities to ensure that work conditions and worker communications are adequate. A pre job briefing shall be conducted at the job site. UI-OPS will determine if onsite ESH representation is required during work activities

Additional Comments (refer to Job Hazard Analysis [JHA] Tool Facility Notes)

All work must be approved by the Utilities FOD or UI-OPS. POD/POTW-contact Facility POC. No Smoking around Natural Gas Systems. Evaluate inside floor and housekeeping conditions to safely proceed with activities. Check in with Plant Operations Manager/Specialist or Operations Shift Head for final approval to proceed with tasks. Work around power plant chemical pumps and lines. Inspect for leaks before beginning any work task and pause work and report if a leak is found to operations. All personnel entering area must view the site specific training video in room 116 (Boiler Control Room), one time requirement. Observe safety signs and floor markings in all buildings and areas.No safety shoes required for visitors if escorted by Operations or UI Engineering personnel. The West end front lobby and office areas of Bldg 22 are considered a no hazard area.

Instructions: In the block below, identify work-area hazards that could potentially affect the worker(s) or others. Specify the facility controls and preventive measures that must be implemented by the worker(s) to protect against the site hazards as well as any special training required.

ESH/S&S WORK AREA HAZARDS & CONTROLS				
Work Area Hazards/Concerns Identify site hazards and concerns that could potentially affect the worker(s) or others.	**Work Area Hazard Present**	**Facility Controls/ Preventive Measures/ Bounding Conditions** Specify preventive measures, controls and bounding conditions for each site hazard	**Reference Documents** List permits, operating manuals, and other reference procedures	**Training and Qualification** List training requirements (P300, Integretated Work Management, Section 6.1)
☐ **No Work Area Hazards**				

Ionizing Radiation Work in posted radiological areas, work with radioactive materials, or work on or near radiation producing devices. **Specify Hazard:**	☐ Yes ☒ No			

IWD No./Work Request No: ____ Revision #: ____

ESH/S&S WORK AREA HAZARDS & CONTROLS				
Work Area Hazards/Concerns Identify site hazards and concerns that could potentially affect the worker(s) or others.	**Work Area Hazard Present**	**Facility Controls/ Preventive Measures/ Bounding Conditions** Specify preventive measures, controls and bounding conditions for each site hazard	**Reference Documents** List permits, operating manuals, and other reference procedures	**Training and Qualification** List training requirements (P300, Integretated Work Management, Section 6.1)
Worker Exposure Working near non-ionizing radiation, beryllium, noise, chemicals, hazardous biological materials, lead, asbestos, temperature/humidity extremes, or high explosives. **Specify Hazards:**	☒ Yes ☐ No	Required PPE: Hard hat, safety shoes, safety glasses. Hearing protection (noise > 85 dba). Avoid hot surfaces and piping. Long sleeve shirt or Ansell sleeves or coveralls. Gloves when operating valves or contacting pipe/fitting openings where there is potential for hot water/steam release. Be aware of encapsulated asbestos. Follow LANL Asbestos program/rqmts if PACM identified outside containment. Be aware of chemical containers and check labeling. Be aware of piping, associated systems for any leaks. If chemical leak is noticed contact operations manager, IH&S Rep during regular working hrs. Over100 gallons of a chemical spill leave area, and control	P101-6 PPE • P101-23 Asbestos • P101-31 Hearing Conservations/Noise Program	LANL PPE or equivalent • Hearing protection • Site specific training • Asbestos awareness

		access. Call Serf Operators 667-8982 or by Radio Lanl 2 Util 6 For mitigation cleanup process. For after-hours contact the UI Duty Officer, 699-7452 to re-assess any abnormal situation		
Energized and Operative Systems Working near energized electrical parts, pressure systems, steam lines; near unprotected belts, pulleys, chains or rotating equipment; fuel fired equipment other than vehicles; or spark or flame producing operations. **Specify Hazards:** Energized/rotating equipment, High Temperature, High Pressure Water and Steam equipment.	☒ Yes ☐ No	Stay within established walking areas. Observe safety signage alarm lights and horns. Identify explosive hazards and follow task specific IWD if working on plant equipment or components. Note: All TA3-22 independent verification requirement will be determined by the FOD or FOD designee . If questions consult with UI system engineer, Operation Mgr. Designee, or Safety rep.	P101-13 Electrical Safety P101-3 LOTO P101-34 Pressure, Vacuum, and Cryogenic System.	Site Specific Training video. Electrical Safety LOTO if applicable to task.
Confined Spaces Entry into tanks, manholes, cooling towers, sumps, or any other area with potentially low oxygen concentration or other hazards such as toxic vapors or engulfment. **Specify Hazards:**	☒ Yes ☐ No	Observe confined space signs or markings and follow LANL Confined Space Requirements if task requires confined space entry.	P 101-27 Conf. Space	Confined Space Training
Elevated Work Surface Elevated work when fall protection is not provided by conventional handrail systems or required per P101-20, *Fall Protection Program*	☒ Yes ☐ No	Stay within established walking areas, stairways and paths. Observe safety signage. Follow LANL Fall Protection Requirements if task on roofs or work above 4 feet.	P101-20 Fall Protection	Fall Protection
Environmental Impact Activities conducted in areas containing potential release site, contaminated soil, sensitive species, watercourse wetlands, floodplain, historical/archeological sites, or other work area condition that can be impacted by or can impact the environment.	☐ Yes ☒ No			

Specify Hazards:				
Security Requirements **Specify:**	☐ Yes ☒ No			
Other Hazards **Specify:** Look-alike Equipment in the vicinity of work site may contain un-controlled hazardous energy	☒ Yes ☐ No	Adequette barriers and controls will be established to prevent unauthorized personnel/workers from entering job site and encounter uncontrolled hazards.	IWD	Pre-job briefing emphasis. Worker confirmation of look-alike potential hazards, locations and barriers set in place to identify those potential hazards.

I have verified that the hazards identified above adequately identify the area hazards and that the IWM process has been applied appropriately.

FOD or Representative (Signature/Z #/Date) **Approval Required** Pablo F. CdeVaca Digitally signed by Pablo F. CdeVaca DN: cn=Pablo F. CdeVaca, ou=LANL, ou=UI, email=pfc@lanl.gov, c=US Date: 2017.11.01 07:26:54 -06'00'

Date Approval Expires: 09/30/2020

FGR Maint: June 2019

Facility : F08 **Unit :** 030022 **Proj :**
Task Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
W/O Type : PM **W/O Group :** UTIL **Task Priority :** 4
Planner : 185614 HARRIS JEANETTE S
W/O Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
Written To : TA03-0022 FAN, FLUE GAS RECIRCULING (FGR-001, FGR-002, FGR-003)
Task Dspln : **Due Date :** 06/30/2019
Superintendant :

Hazard : LOW **IWD Reqmt :** N/A LOW HZRD

Work Order Task

00636484 01

MASTER

Date:
05/01/2019

Work Order Task Written To

Facility : F08 **Unit :** 030022 **Op Sys :**
Room : **Area :** **Sys/Cls :**
Equipment : **Component :**
Location :
Job Type : PM
Tag 1 : **Tag 2 :**
Work Item : TA03-0022 FGR **Ops Review Reqd :**

Authorization

Start Permission : Glenn Martinez **Start Date :** Insert Text Here
Complete Notice : Glenn Martinez **Complete Date :** 6-18-19

Work Order Task Instructions

DO NOT lubricate the bearings if the FGR fan is NOT in operation or in service so that proper amount of grease can be applied
using headphones
You can hear when grease reaches the bearing rolling element. At this point, stop adding grease to prevent bearing damage from overheating

There are two bearings on the fan, each with its own zerk plug
Remove the shaft guard located in the middle of the drive. The two zerk plugs are located on each of the two bearings

1. Use grease gun with the Ultralube headphones to insert the correct amount of Mobilith SHC 100 grease into zerk fitting

Facility : F08 **Unit** : 030022 **Proj** :
Task Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
W/O Type : PM **W/O Group** : UTIL **Task Priority** : 4
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Written To : TA03-0022 FAN, FLUE GAS RECIRCULING (FGR-001, FGR-002, FGR-003)
Task Dspln : **Due Date** : 06/30/2019
Superintendant :

Hazard : LOW **IWD Reqmt** : N/A LOW HZRD

Work Order Task

00636484 01

MASTER

Date:
05/01/2019

b. Apply grease while fan is running and stop when you hear the grease enter the running bearing

Lubricated fan bearings on FGR-001,FGR-002 & FGR-003

4. Add grease with a hand-operated pressure gun until new grease enters the running bearing
a. This is accomplished by using the ultrasonic sensor and headphones to hear when the new grease enters the running bearing
b. Stop adding grease when the grease reaches the bearing to limit excess grease from migrating down the motor shaft and into the windings
Note: Be careful when greasing the fan end bearing of the TEFC (Totally (Totally Enclosed Fan Cooled) motors. Some motors have a spring-relief outlet grease fitting on the fan end that is not accessible. This spring-relief fitting normally does not have to be removed when regreasing. When greasing, take care in the amount of pressure you apply and verify relief is working
5. Putting in too much or too little grease can cause overheating of the motors and result in motor failure. Use this rule of thumb when adding grease to a motor that has been lubricated on a regular basis:
It is better to use a little grease more often than a lot of grease less often
Note: Watch out for motors that were shipped only with the bearings packed and not the fill tube or even the bearing housing
Apply new grease until you can hear it enter the running bearing
6. Now that greasing is complete, leave the relief plug off and run the motor for 10 minutes to expel any excess grease
7. Replace the drain plug and wipe the bearing housing clean
8. Dispose of dirty rags in accordance with Hazardous Waste Guidelines
9. Ensure correct operation of electric motors.

Facility : F08 **Unit** : 030022 **Proj** :
Task Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
W/O Type : PM **W/O Group** : UTIL **Task Priority** : 4
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Superintendant :

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Work Order Task

00636484 01

MASTER

Date:
05/01/2019

QC Requirements / Comments

Work Completion Signatures

Name	Function/Dept.	Date
John M.Miller	Maint.Foreman /UPPS	6/17/19 6/17/19

Comments

(rework?)

Cost Accounting

Cost Center : P2030A **Activity** : 640CL000

Percentage : 100 **Acct No** : XU5000 **Sub Acct** : 7E2P0000

Facility : F08 **Unit** : 030022 **Proj** :
Task Title : PP 1M TA3-22 FGR BEARINGS, LUBRICATE
W/O Type : PM **W/O Group** : UTIL **Task Priority** : 4
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Hazard : LOW **IWD Reqmt** : N/A LOW HZRD

Work Order Task

00636484 01

MASTER

Date:
05/01/2019

Los Alamos NATIONAL LABORATORY EST. 1943

AP-WORK-004: Attachment 1
Maintenance & Site Services
Worker Engagement Questions

Worker engagement questions are intended to focus attention on the task and ensure uncertainties are addressed. Examples of worker engagement questions are provided below. Worker engagement questions should be tailored to the situation.

Each of the questions listed below will be discussed at each Pre-Job Brief with all affected personnel.

Topic 1 MONTH FGR FAN BEARINGS LUBRICATION	Completed (X)
What permits, permissions, or support are required to safely start this work?	X
What is the most likely thing that could go wrong (not the worst thing) and what, specifically, will prevent it?	X
What can cause us to go beyond the scope of the work?	X
What hazards in the work area may not have been considered during planning of this job	X

Los Alamos NATIONAL LABORATORY EST.1943

Integrated Work Document (IWD) Part 2, FOD Requirements and Approval for Entry and Area Hazards and Controls

Non-Tenant Activity Form

IWD No./Work Request No: _____ Revision #: _____

Facility Operation Director (FOD) must determine the facility entry and coordination requirements and identify the Environment, Safety, Health (ESH)/Security and Safeguards (S&S) hazards and controls associated with the activity location.

FOD	TA	Bldg.	Room	Other Location
8	3	22-24	N/A	Power Plant Bldg - Inside
FOD Designated Facility Point-of-Contact	Name Pablo C de Vaca	Phone 699-8226	Pager N/A	Email pfc@lanl.gov

Entry and Coordination Requirements (*Check one or more of the following*)

- ☐ No Entry/Coordination Requirements
- ☒ Plan of the Day/Plan of the Week (POTD/POTW)
- ☒ Security Clearance Requirements
- ☐ Co-located Hazards/Concerns
- ☒ Check out at End of Work
- ☐ Escort Required
- ☐ Other Bounding Conditions:
- ☐ FOD-designated facility Point-of-Contact must sign IWD Part 3
- ☒ Check in at Start of Work
- ☒ Work must be Scheduled
- ☐ Other Security Requirements (ex.: Cellphone, No Foreign Nationals, etc.)
- ☐ Quality Issues
- ☐ Review under Authorization Basis (AB)/Safety Basis/Unreviewed Safety Question (USQ)
- ☒ Work-Area Training Required
- ☒ Check in Daily
- ☒ Check out Daily

PIC is responsible to conduct a pre-job brief for work activities to ensure that work conditions and worker communications are adequate. A pre job briefing shall be conducted at the job site. UI-OPS will determine if onsite ESH representation is required during work activities

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IWD No./Work Request No: _____ Revision #: _____

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Worker Exposure Working near non-ionizing radiation, beryllium, noise, chemicals, hazardous biological materials, lead, asbestos, temperature/humidity extremes, or high explosives. **Specify Hazards:**	☒ Yes ☐ No	Required PPE: Hard hat, safety shoes, safety glasses. Hearing protection (noise > 85 dba). Avoid hot surfaces and piping. Long sleeve shirt or Ansell sleeves or coveralls. Gloves when operating valves or contacting pipe/fitting openings where there is potential for hot water/steam release. Be aware of encapsulated asbestos. Follow LANL Asbestos program/rqmts if PACM identified outside containment. Be aware of chemical containers and check labeling. Be aware of piping, associated systems for any leaks. If chemical leak is noticed contact operations manager, IH&S Rep during regular working hrs. Over100 gallons of a chemical spill leave area, and control	P101-6 PPE • P101-23 Asbestos • P101-31 Hearing Conservations/Noise Program	LANL PPE or equivalent • Hearing protection • Site specific training • Asbestos awareness

		access. Call Serf Operators 667-8982 or by Radio Lanl 2 Util 6 For mitigation cleanup process. For after-hours contact the UI Duty Officer, 699-7452 to re-assess any abnormal situation		
Energized and Operative Systems Working near energized electrical parts, pressure systems, steam lines; near unprotected belts, pulleys, chains or rotating equipment; fuel fired equipment other than vehicles; or spark or flame producing operations. **Specify Hazards:** Energized/rotating equipment, High Temperature, High Pressure Water and Steam equipment.	☒ Yes ☐ No	Stay within established walking areas. Observe safety signage alarm lights and horns. Identify explosive hazards and follow task specific IWD if working on plant equipment or components. Note: All TA3-22 independent verification requirement will be determined by the FOD or FOD designee . If questions consult with UI system engineer, Operation Mgr. Designee, or Safety rep.	P101-13 Electrical Safety P101-3 LOTO P101-34 Pressure, Vacuum, and Cryogenic System.	Site Specific Training video. Electrical Safety LOTO if applicable to task.
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Elevated Work Surface Elevated work when fall protection is not provided by conventional handrail systems or required per P101-20, *Fall Protection Program*	☒ Yes ☐ No	Stay within established walking areas, stairways and paths. Observe safety signage. Follow LANL Fall Protection Requirements if task on roofs or work above 4 feet.	P101-20 Fall Protection	Fall Protection
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Specify Hazards:				
Security Requirements **Specify:**	☐ Yes ☒ No			
Other Hazards **Specify:** Look-alike Equipment in the vicinity of work site may contain un-controlled hazardous energy	☒ Yes ☐ No	Adequette barriers and controls will be established to prevent unauthorized personnel/workers from entering job site and encounter uncontrolled hazards.	IWD	Pre-job briefing emphasis. Worker confirmation of look-alike potential hazards, locations and barriers set in place to identify those potential hazards.

I have verified that the hazards identified above adequately identify the area hazards and that the IWM process has been applied appropriately.

FOD or Representative (Signature/Z #/Date) **Approval Required** Pablo F. CdeVaca

Date Approval Expires: 09/30/2020

ATTACHMENT A1307.H.

TA-03 Power Plant

Combustion Turbine Emission Stack Test Report

An emission stack test was conducted during this reporting period on January 10, 2019.

TEST REPORT

ON

EXHAUST EMISSIONS

FROM ONE

ROLLS-ROYCE RB211-6761 DLE
STATIONARY GAS TURBINE

FOR

NEW MEXICO ENVIRONMENT DEPARTMENT –
AIR QUALITY BUREAU
TITLE V PERMIT NUMBER P100-R2M3

LOCATED IN

LOS ALAMOS, NM

PREPARED FOR

LOS ALAMOS NATIONAL LABORATORY

RFP #: 602893
SUBCONTRACT #: PR602983

TEST DATE: JANUARY 10, 2019

CST PROJECT NUMBER: 1884

COMPLIANCE SERVICES & TESTING

P.O. Box 94191-87199
7108 Washington St. NE
Suite A
Albuquerque, NM 87109
(505) 681-4909 Phone
www.comptesting.com

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4) Analytical Technique 5
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5) Quality Assurance Activities 8-9

6) Appendices
A: Test Participants
B: Example Calculations
C: Quality Assurance Activities
D: Fuel Gas Analysis, F-Factor Calculations, & Fuel Meter Calibration
E: Calibration Gas Certifications
F: Datalog Record

Introduction

Exhaust emissions tests for nitrogen oxides (NO_X defined as NO + NO_2) and carbon monoxide (CO) were conducted on one centrifugal internal combustion engine to comply with NMED-AQB Title V Permit Number P100-R2M3 annual testing requirements. The unit number is listed in the permit as TA-3-22-CT-1. The testing followed the procedures set forth in the ASTM 6522-00.

The turbine is used to generate electricity for use at Los Alamos National Laboratory (LANL) or placing on the electrical grid for outside consumption. Testing on the unit was performed at the full load available at the time of the testing (93%). The sampling took place from a stainless steel probe placed into the stack. The load was determined by the turbine control system. The load, horsepower, and turbine/generator operating parameters along with the analytical results are listed on the Summary of Results (SOR) page produced for the turbine. Also included on the SOR is the date of the test, location of unit, serial number, and calculated mass emission rates compared to the permitted limits. NO_X has a permitted emission limit of 23.8 pounds per hour (lbs/hr) and CO has a permit limit of 29.0 lbs/hr. NO_X also has a limit of 25 ppmvd (parts per million by volume on a dry basis) at 15% O2. The results show that NO_X and CO are below the permitted limits.

Table 1: Background Data

Source Operator:	**Los Alamos National Laboratory (LANL)** Attn: Marjorie Stockton P.O. Box 1663, MS J978 Los Alamos, NM 87545 (505) 665-3289 Phone
Test Contractor:	**Compliance Services and Testing (CST)** Attn: Chris Spencer P.O. Box 94191 Albuquerque, New Mexico 87199 (505) 681-4909 Phone
Test Participants:	**CST** Chris Spencer Jeremy Cahn **LANL** Margie Stockton Katelyn Mahoney **New Mexico Environmental Department** Eddie O'Brien Nicholas Kohnen
Test Dates:	January 10, 2019
Location:	TA-3 Power Station located within Los Alamos National Laboratory
Test Methods:	ASTM 6522-00

Summary of Results
Unit TA-3-22-CT-1

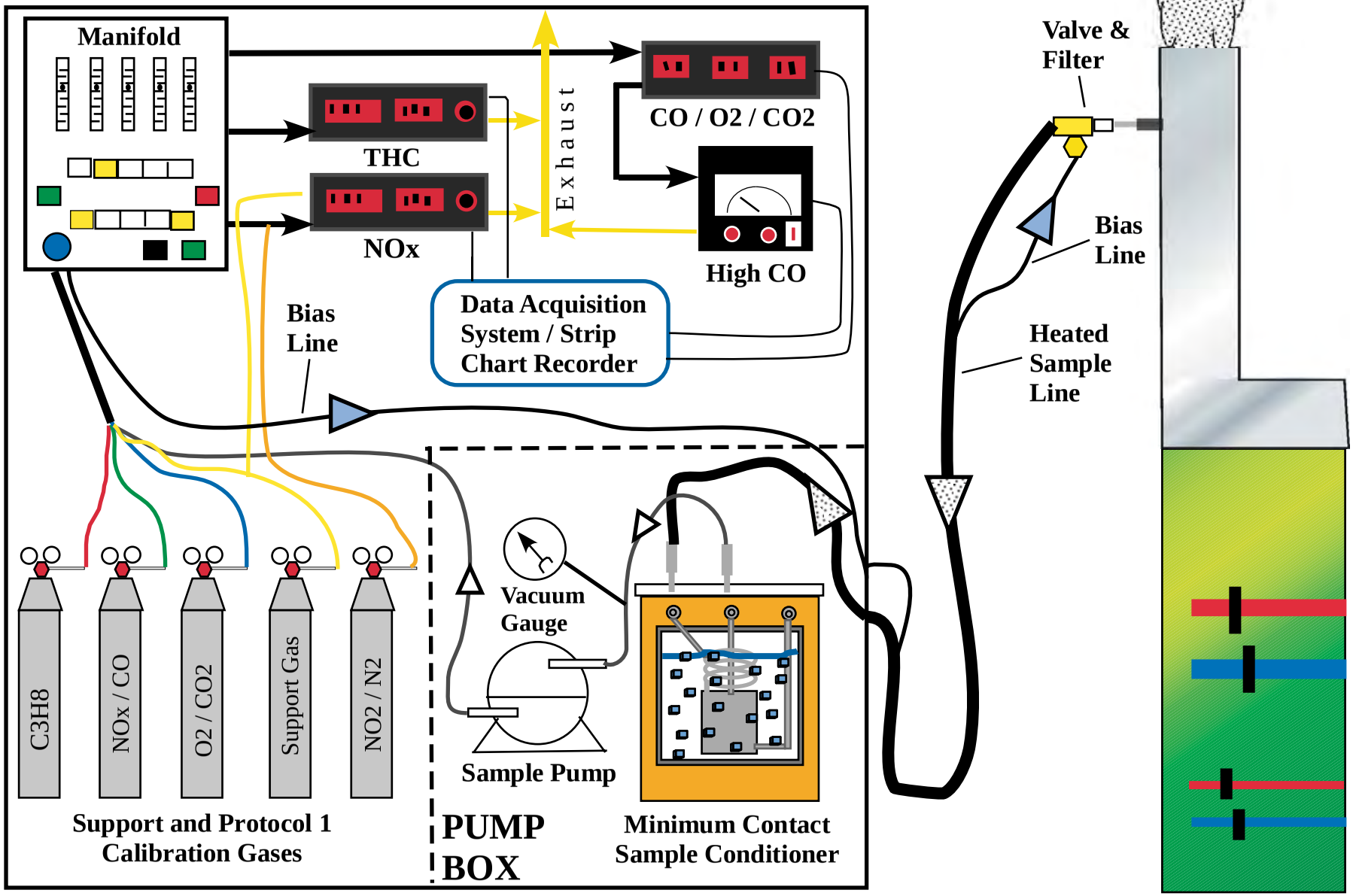
Company: Los Alamos National Laboratory
Location: TA-3 Power Station
Source: Rolls Royce RB211-6761 DLE SN: 2011
Engine Site Rating: 27 MW
Technician: CS, JC

Test Run Number	**1**	**2**	**3**	
Unit Number	**TA-3-22**	**TA-3-22**	**TA-3-22**	
Equipment Number	**CT-1**	**CT-1**	**CT-1**	
Date	1/10/19	1/10/19	1/10/19	
Start Time	10:27	10:55	11:23	
Stop Time	10:47	11:15	11:43	
Turbine/Generator Data				***Average***
Load (%)	93.3	93.0	91.9	**92.7**
Gas Generator Speed NL (RPM)	6388	6386	6384	**6386.0**
Gas Generator Speed NH (RPM)	9082	9081	9075	**9079.3**
Power Turbine Speed (RPM)	4845	4847	4848	**4846.7**
Engine Horsepower (HP)	33793	33659	33257	**33569.7**
Generator Wattage (MW)	25.2	25.1	24.8	**25.0**
Voltage (kV)	13.7	13.7	13.7	**13.7**
Amperage (A)	1070	1060	1057	**1062.3**
Frequency (Hz)	60.0	60.0	60.0	**60.0**
Power Factor (PF)	1.0	1.0	1.0	**1.0**
Inlet Temperature (T1) (°F)	39	41	43	**41.0**
Average Exhaust Temperature (T455) (°F)	1452	1452	1452	**1452.0**
Fuel Data				
Engine Compressor Discharge, PCD (psia)	234.8	233.1	232.1	**233.3**
Fuel Pressure (psia)	533.7	533.7	533.7	**533.7**
Fuel Temperature (°F)	68	70	72	**70.0**
Calculated Fuel Consumption (SCFH)	238500	238700	236800	**238000.0**
O2 F-Factor (DSCF/MMBtu, HHV basis)	8672	8672	8672	**8672**
Fuel Heating Value (Btu/SCF, HHV)	1052	1052	1052	**1052**
BHp Specific Fuel Rate (Btu/Hp-hr, HHV basis)	7425	7461	7491	**7459**
Ambient Conditions				
Pressure Altitude (MSL)	7375	7380	7375	**7377**
Atmospheric Pressure ("Hg)	22.78	22.78	22.78	**22.78**
Dry Bulb Temperature (°F)	39.7	40.2	41.5	**40.5**
Wet Bulb Temperature (°F)	34.0	34.2	35.2	**34.5**
Humidity (lb/lb air)	0.0040	0.0040	0.0042	**0.0041**
Measured Exhaust Emissions (Corrected)				
NOx (ppmv)	22.08	22.41	21.35	**21.95**
NOx @ 15% O2 (ppmvd) {Permit Limit = 25.0}	**22.63**	**23.03**	**22.13**	**22.60**
CO (ppmv)	9.35	4.02	3.28	**5.55**
O2 (vol %)	15.14	15.16	15.21	**15.17**
CO2 (vol %)	3.35	3.31	3.35	**3.34**
Fo (Natural Gas)	1.72	1.73	1.70	**1.72**
Exhaust Flow Rates (EPA Method 19 - Fuel Based)				
Dry SCFH (dry basis, calc. from Fuel Consumption)	7,896,948	7,929,062	7,934,067	**7,920,026**
Calculated Mass Emission Rates (EPA Method 19)				
NOx (lbs/hr) **{Permit Limit = 23.8}**	20.83	21.22	20.23	**20.76**
CO (lbs/hr) **{Permit Limit = 29.0}**	5.37	2.31	1.89	**3.19**

Sampling Procedure

Figure 1 depicts the instrumental sampling system used for the tests and Table 1 lists the continuous sampling instrumentation used to collect the data. Stack gas entered the instrumental sampling system through a stainless steel probe placed into the stack with an in-line 90-micron filter and then was transported via 3/8-inch heat-traced Teflon® tubing to a specially designed stainless steel minimum-contact condenser which dried the sample without removing the pollutants of interest. The sample was then passed to the gas manifold through 3/8" Teflon® tubing via a stainless steel/Teflon® diaphragm vacuum pump. The sample was partitioned to the analyzers through glass and stainless steel rotameters that control the flow of the sample and did not allow a variance of more than 10% during the tests. The remaining gas was then vented outside of the climate-controlled laboratory. The gas manifold also allowed for the convenient introduction of calibration gases. Once the equipment was placed into the stack and hooked into the sampling manifold in the mobile laboratory, the desired ranges were selected by observing the stack effluents of interest. Each instrument was then calibrated and the testing proceeded. Three 20-minute test runs were completed after a preliminary 3-point stratification test was performed. No stratification above 5% was observed between the three points located at 16.3%, 50%, and 86.6% of the sampling port travers plane. All testing was performed from the stack centroid, each being bracketed by a zero and upscale analyzer drift calibration check.

Figure 1
Gaseous Sample System Diagram



Testing Conducted by Compliance Services and Testing

Table 2: List of Instrumentation, Detection Principles and Data Recording Devices

Analytical Instrumentation

Parameter	Models and Manufacturers	Common Operating Ranges	Minimum Sensitivity	Typical Response Time (sec)	Detection Principle
Sample System 1					
NOx	**California Analytical Instruments Model 400 CLD SN: W01059**	30 ppm 100 ppm 300 ppm 1000 ppm 3000 ppm	0.1 ppm	5	Thermal reduction of NO2 to NO. Chemiluminescent reaction of NO with excess of ozone. Detection by Photo-multiplier or Photodiode. Inherently linear for ranges listed.
CO	**California Analytical Instruments Model ZRE SN: A8P9061T**	200 ppm 1000 ppm	0.1 ppm	5	Single beam non-dispersive infrared absorption.
O_2	**California Analytical Instruments Model ZRE SN: A8P9061T**	10% 25%	0.01%	2	Paramagnetic by magneto-dynamic type measuring. All detection principals are inherently linear over a wide range.
CO_2	**California Analytical Instruments Model ZRE SN: A8P9061T**	10% 20%	0.01%	5	Infrared absorption, analog linearization, solid state detector.
CO	**California Analytical Instruments Model ZRE SN: A8P9061T**	1000 ppm 10000 ppm	0.1%	5	Single beam non-dispersive infrared absorption.
THC	**California Analytical Instruments Model 600M HFID SN: Z10046**	10 ppm 100 ppm 1000 ppm 10000 ppm	0.1 ppm	5	Flame Ionization Detection to determine the total hydrocarbons.
Sample System 2					
NOx	**California Analytical Instruments Model 400 CLD SN: 6N07002**	30 ppm 100 ppm 300 ppm 1000 ppm 3000 ppm	0.1 ppm	5	Thermal reduction of NO2 to NO. Chemiluminescent reaction of NO with excess of ozone. Detection by Photo-multiplier or Photodiode. Inherently linear for ranges listed.
CO	**California Analytical Instruments Model 300 SN: 1N05011**	200 ppm 1000 ppm	0.2 ppm	5	Infrared absorption, gas filter correlation detector. Microprocessor based linearization.
O_2	**California Analytical Instruments Model 300 SN: 1N05011**	5% 10% 25%	0.1%	2	Paramagnetic by magneto-dynamic type measuring. All detection principals are inherently linear over a wide range.
CO_2	**California Analytical Instruments Model 300 SN: 1N05011**	10% 20%	0.02%	5	Infrared absorption, analog linearization, solid state detector.
THC	**California Analytical Instruments 100 SN: T11028**	1000 ppm 5000 ppm	0.2 ppm	5	Non-dispersive Infrared absorption. Correlation filter with a mass flow sensor.

Data Recorder

Parameter	Models and Manufacturers	Common Operating Speeds	Measuring Range	Detection Principle
20 channels	**Omega OMB-DAQ-56 SN: 271775**	625 ms to 6.25 secs	+/- 15 Volts	Voltage differential to a CPU.

CST reserves the right to substitute equivalent model analyzers that meet the specifications of the test methods.
Higher ranges available by sample dilution. Other ranges available via data logger/recorder signal attenuation.
Operating range is defined by the calibration gases used during the test (per EPA Methods 7e and 25b).

Analytical Technique

Each test consisted of three consecutive twenty-minute test runs and was completed on-site. The stack gas analysis for O_2/CO_2 diluent concentrations were monitored with a paramagnetic detector and a non-dispersive infrared (NDIR) detector, respectively. NO_X emissions were quantified using a chemiluminescence detector and CO emission concentrations were quantified with an NDIR analyzer. This analyzer was equipped with a gas correlation filter, which also eliminates any interference from moisture, CO_2, and other combustion products. All gaseous data from the continuous monitoring instruments were recorded on an Omega OMB-DAQ-56 data acquisition system and was recorded at one-minute intervals. Each instrument was calibrated per protocol procedures and none were operated outside the acceptable variance limits. The volumetric flow rate was determined by EPA Method 19 and validated with a current fuel gas composition analysis and a calibrated fuel consumption meter. The volumetric flow rate was factored with the observed stack concentration and species-specific weight factors to derive the calculated mass emission rates. Details of these calculations are found in the example calculation section of the report.

Quality Assurance Activities

Each instrument's response was checked and adjusted in the field prior to the collection of data via multi-point calibration. The instrument's linearity was checked by first adjusting the zero and span responses to zero (nitrogen) and an upscale calibration gas in the range of the expected concentrations. The instrument response was then challenged with other calibration gases of known concentration and accepted as being linear if the response of the other calibration gases agreed within ± 4% of range of the predicted values. The Instrumental Analysis Quality Assurance Worksheet summarizes the results of these calibration error tests.

Before and after each test run, the analyzers were checked for zero and span drift. This allowed each test run to be bracketed by calibrations and documents the precision of the data just collected. The criterion for acceptable data is that the instrument drift is no more than ± 6% of the span and ± 10% for calibration bias. The Quality Assurance worksheets summarize all multi-point calibration checks and zero to span checks performed during the tests. These worksheets, as prepared from the datalog records, show that no drift in excess of the criteria specified by the respective methods existed.

The instrumental sampling system was leak checked by demonstrating that a vacuum greater than the sample vacuum could be held for at least 1 minute with a decline of less than 1" Hg. Any leakage detected prior to the tests was repaired and another leak check conducted before testing commenced. No leaks were found during the posttest leak checks. The absence of leaks in the sampling system was also verified by system bias checks. The sampling system’s integrity was tested by comparing the responses of the analyzers to calibration gases introduced via two paths. The first path was into the analyzer via the zero/span calibration manifold. The second path was to introduce a calibration gas into the sample system at the sample probe. Any difference in the instrument responses by these two methods was attributed to sampling system bias or leakage. These bias checks were conducted before and after dismantling or setting up the sample system, and as required by the various methods. Examination of the datalog excerpts and Instrumental Analysis Quality Assurance Data worksheet in Appendix E show that the analyzer response via both sample paths agreed within acceptable limits in all cases. The leak check results are summarized on the Instrumental Analysis Quality Assurance Worksheets.

Interference response tests on the instruments were conducted by the instrument vendors and Compliance Services and Testing. The sum of the interference responses for H_2O, CO, SO_2, CO_2 and O_2 (as appropriate for each analyzer) are less than ± 4% of the applicable full-scale span value.

The control gases used to calibrate the instruments were analyzed and certified by the compressed gas vendors to ± 1% accuracy for the NO_X and O_2 gases. EPA Protocol Number 1 was used, where applicable, to assign the concentration values traceable to the National Bureau of Standards, Standard Reference Materials (SRM's). The gas calibration sheets as prepared by the vendor are contained in the Appendix.

Appendix A:
Test Participants

COMPLIANCE SERVICES and TESTING
FIELD TEST PARTICIPANTS SIGN IN SHEET

Job Name: Los Alamos National Laboratory **DATE(S):** 01/10/2019

Job Number: 1884 **PERMIT #:** P100-R2M3

Plant Name/Location: TA-3 Power Plant

Emission Source(s): Rolls Royce RB211-6761 DLE

PARTICIPANTS:

Compliance Services and Testing	Test Contractor
Los Alamos National Laboratory	Owner/Operator
NMED-AQB	Regulatory Agency

Name: Please Print	Affiliation:	Position:	Phone Number:
Chris Spencer	CST	Director	505-681-4909
Jeremy Cahn	CST	APM	505-681-0924
Margie Stockton	LANL	AQ Team Lead	505-665-3289
Katelyn Mahoney	LANL	AQ Env. Prof.	505-665-8879
Nicholas Kohnen	NMED	Env. Scientist	505-476-4323
Eddie O'Brien	NMED	Env. Scientist	505-476-4368

Appendix B:
Example Calculations

IV. D. Example Calculations

Drift Corrected Emission Concentrations

Formula

$$C_{GAS} = (Ç - Co) \times \frac{C_{MA}}{C_M - Co} \quad \textit{(eq. 7E-5)}$$

All Calculations Refer to Test Run 1, Unit # TA-3-22-CT-1

$Ç_{NOx}$ =	Raw Concentration of NOx	= 22.22 ppmv
Co =	Avg. of Initial and Final Zero Checks	= 0.40 ppmv
C_M =	Avg. of Initial and Final Span Checks	= 25.20 ppmv
C_{MA} =	Certified Concentration of Span Gas	= 25.10 ppmv

$$\mathbf{C_{NOx} = (22.22 - 0.40) \times \frac{25.10}{(25.20 - 0.40)}} \quad \mathbf{= 22.08\ ppmv}$$

$Ç_{CO}$ =	Raw Concentration of CO	= 9.62 ppmv
Co =	Avg. of Initial and Final Zero Checks	= 0.40 ppmv
C_M =	Avg. of Initial and Final Span Checks	= 25.15 ppmv
C_{MA} =	Certified Concentration of Span Gas	= 25.10 ppmv

$$\mathbf{C_{CO} = (9.62 - 0.40) \times \frac{25.10}{(25.15 - 0.40)}} \quad \mathbf{= 9.35\ ppmv}$$

$Ç_{O2}$ =	Raw Concentration of O2	= 14.98 %
Co =	Avg. of initial and final zero bias checks	= 0.00%
C_M =	Avg. of initial and final span bias checks	= 9.40%
C_{MA} =	Actual concentration of span gas	= 10%

$$\mathbf{C_{O2} = (14.98 - 0.00) \times \frac{9.50}{(9.40 - 0.00)}} \quad \mathbf{= 15.14\%}$$

$Ç_{CO2}$ =	Raw Concentration of CO2	= 3.33%
Co =	Avg. of initial and final zero bias checks	= 0.05%
C_M =	Avg. of initial and final span bias checks	= 6.40%
C_{MA} =	Actual concentration of span gas	= 6.50%

$$\mathbf{C_{CO2} = (3.33 - 0.05) \times \frac{6.50}{(6.40 - 0.05)}} \quad \mathbf{= 3.35\%}$$

Fo Calculation to Verify O2 / CO2 Measurements (Eq. 3b-1)

C_{O2} =	Corrected Concentration of O2	= 15.14%
C_{CO2} =	Corrected Concentration of CO2	= 3.35%
Th. Fo =	Theoretical Fo from FGA	= 1.74

$$Fo = \frac{(20.9 - O2\%)}{CO2\ \%}$$

$$\mathbf{Fo} = \frac{(20.9 - 15.14)}{3.35} \quad = \mathbf{1.72}$$

IV. D. Example Calculations

Mass Emission Rates via EPA Method 19

Measured Data and Constants from Test Run 1

C_{NOx} =	Corrected Concentration of NOx	=	22.08	ppmv	
C_{CO} =	Corrected Concentration of CO	=	9.35	ppmv	
lb / mole =	EPA STP for Ideal Gas	=	385.15	SCF	
C_F =	PPMV Normalization	=	1.00E-06	1 / ppmv	
MW_{NOx} =	Molecular Weight of NOx	=	46	lb / lb-mol	
MW_{CO} =	Molecular Weight of CO	=	28	lb / lb-mol	

Stack Gas Flow Rate via Method 19 (eq. 19-1)

Q_F =	Fuel Flow (Measured)	=	238500	SCF/H	
F_{BTU} =	Fuel Higher Heating Value	=	1052	Btu/SCF	
F_{O2} =	O2 F-Factor	=	8672	DSCF/MMBtu	
C_{O2} =	Corrected Concentration of O2	=	15.14	%	
$Q_{S\ M19}$ =	Q_F x F_{BTU} x F_{O2} x 10^6 x		20.9 / (20.9 - %O2)	DSCF/H	
$Q_{S\ M19}$ =	238500 x 1052 x 8672 x		3.63	x 1.00E-06	
$Q_{S\ M19}$ =	**7,896,948**	**DSCF/H**			

Formulas

Pounds per Hour (lbs/hr)

E_x (lb/hr) = C_x x C_F x Q_S x { MW_x / (lb / mole) }

Calculated Mass Emission Rates From Method 19 Exhaust Flow Rate

E_{NOx}

lbs/hr = 22.08 x 1.00E-06 x 7.90E+06 x 46 / 385.15 = **20.83**

E_{CO}

lbs/hr = 9.35 x 1.00E-06 x 7.90E+06 x 28 / 385.15 = **5.37**

Appendix C:
Quality Assurance Activities

Sample System 1 - Quality Assurance Report
Converter Efficiency Test, Interference Test, Response Time and Bias Test, Pre and Post Leak Checks

NOx Converter Effeciency Check

Method: *7E Section 8.2.4*
Frequency: *Before each field test*
Criteria: *Equal to or greater than 90% conversion efficiency*

Test Date: 1/10/19 Technician: JC

NO2	*Results*
Certified Value	49.4 ppmv
Observed Value	49.6 ppmv
Converter Effeciency	100%

Interference Response Checks

Method: *7E Section 8.2.7*
Frequency: *Prior to initial use in the field or after major alteration or modification*
Criteria: *Sum of responses < 2.5 % of calibration span*

Test Date: 1/10/19 Technician: JC

Interferrence Test Gases		**Analyzer Response (ppmv or % as applicable)**					
Type Gas	*Conc.*	*NOx*	*CO*	*SO2*	*THC*	*O2*	*CO2*
NOx in N2	25.1 ppm	---	N/A	---	---	-0.01	0.01
CO in N2	25.1 ppm	N/A	---	---	---	-0.01	0.01
SO2 in N2	---	---	---	---	---	---	---
THC in Air	---	---	---	---	---	---	---
O2 in N2	9.5 %	0.08	0.31	---	---	---	N/A
CO2 in N2	2.9 %	0.08	0.31	---	---	N/A	---

Sample System Bias & Response Time Check

Method: *7E Section 8.2.5-6*
Frequency: *Before sampling begins*
Criteria: *5% of calibration span*
Criteria: *Note the longer of the two times as the response time*

Test Date: 1/10/19 Technician: JC

Sample System Bias Check

Introduction Technique	**NOx (ppmv)**	**CO (ppmv)**	**SO2 (ppmv)**	**THC (ppmv)**	**O2 (%)**	**CO2 (%)**
Direct Zero Input	0.1	0.4	---	---	0.0	0
Bias Input	0.1	0.4	---	---	0.0	0
Zero Bias	0.0%	0.0%			0.0%	0
Direct Span Input	24.9	25.3	---	---	9.5	3
Bias Input	24.9	25.3	---	---	9.4	0
Span Bias	0.0%	0.0%			-0.5%	-0.461538462

Sample System Response Time

Parameter	**NOx (ppmv)**	**CO (ppmv)**	**SO2 (ppmv)**	**THC (ppmv)**	**O2 (%)**	**CO2 (%)**
Upscale Response	65	70			75	75
Downscale Response	65	70			75	75
Purge Time	150 seconds					

Sample System Leak Check

Frequency: *Daily or whenever the sample system is moved or disassembled (CST SOP)*
Criteria: *Less than one inch decrease in pressure in one minute (CST SOP)*

Test Date				
1/10/19	Vacuum Initial:	0.0 inches	/ minute at	16 inches Hg
	Vacuum Final:	0.0 inches	/ minute at	16 inches Hg

Quality Assurance Worksheet
Instrument Calibration and Drift Correction

Company: Los Alamos National Laboratory
Location: TA-3 Power Station
Source: Rolls Royce RB211-6761 DLE SN: 2011
Engine Site Rating: 27 MW
Test Date: Thursday, January 10, 2019

UNIT TA-3-22					TEST RUN 1					TEST RUN 2					TEST RUN 3				
GAS LEVELS PER METHOD	CALIBRATION GAS CONCENTRATIONS		INITIAL CALIBRATION & LINEARITY CHECK		Start Run	ZERO and SPAN CALIBRATION CHECK				Start Run	ZERO and SPAN CALIBRATION CHECK				Start Run	ZERO and SPAN CALIBRATION CHECK			
	Certified Concentration	Target (% Span)	Analyzer Response	Calibration Error < 2%	Stop Run	Initial Response	Final Response	Drift < 3%	Bias < 5%	Stop Run	Initial Response	Final Response	Drift < 3%	Bias < 5%	Stop Run	Initial Response	Final Response	Drift < 3%	Bias < 5%
NOx					10:27					10:55					11:23				
					Avg. ppmv					Avg. ppmv					Avg. ppmv				
Zero	0.0 ppmv	0.0	0.1 ppmv	0.2%	22.22	0.1 ppmv	0.7 ppmv	1.3%	1.6%	22.71	0.7 ppmv	0.7 ppmv	0.0%	1.6%	21.54	0.7 ppmv	0.7 ppmv	0.0%	1.6%
					Corr. ppmv					Corr. ppmv					Corr. ppmv				
Mid	25.1 ppmv	55.8	24.9 ppmv	-0.4%	22.08	24.9 ppmv	25.5 ppmv	2.4%	0.9%	22.41	25.5 ppmv	25.2 ppmv	1.2%	0.2%	21.35	25.2 ppmv	25.2 ppmv	0.0%	0.2%
High	45.0 ppmv	100.0	45.4 ppmv	0.9%	Cal. Span					Cal. Span					Cal. Span				
Analyzer Range = 100 ppmv			Span = 45.0		45.0					45.0					45.0				
CO																			
					Avg. ppmv					Avg. ppmv					Avg. ppmv				
Zero	0.0 ppmv	0.0	0.4 ppmv	0.9%	9.62	0.4 ppmv	0.4 ppmv	0.0%	0.9%	4.30	0.4 ppmv	0.4 ppmv	0.0%	0.9%	3.36	0.4 ppmv	0.0 ppmv	0.9%	0.0%
					Corr. ppmv					Corr. ppmv					Corr. ppmv				
Mid	25.1 ppmv	56.4	25.3 ppmv	0.4%	9.35	25.3 ppmv	25.0 ppmv	1.2%	0.2%	4.02	25.0 ppmv	24.6 ppmv	1.6%	1.1%	3.28	24.6 ppmv	24.2 ppmv	1.6%	2.0%
High	44.5 ppmv	100.0	43.8 ppmv	-1.6%	Cal. Span					Cal. Span					Cal. Span				
Analyzer Range = 100 ppmv			Span = 44.5		44.5					44.5					44.5				
O2																			
					Avg.%					Avg.%					Avg.%				
Zero	0.0%	0.0	0.0%	0.0%	14.98	0.0%	0.0%	0.0%	0.0%	14.97	0.0%	0.1%	0.5%	0.5%	14.99	0.1%	0.1%	0.0%	0.5%
					Corr. %					Corr. %					Corr. %				
Mid	9.5%	45.2	9.5%	0.0%	15.14	9.4%	9.4%	0.0%	0.5%	15.16	9.4%	9.4%	0.0%	0.5%	15.21	9.4%	9.4%	0.0%	0.5%
High	21.0%	100.0	20.9%	-0.5%	Cal. Span					Cal. Span					Cal. Span				
Analyzer Range = 25.0%			Span = 21.0		21.0					21.0					21.0				
CO2																			
					Avg.%					Avg.%					Avg.%				
Zero	0.0%	0.0	0.0%	0.0%	3.33	0.0%	0.1%	1.5%	1.5%	3.29	0.1%	0.0%	1.5%	0.0%	3.32	0.0%	0.1%	1.5%	1.5%
					Corr. %					Corr. %					Corr. %				
Mid	2.9%	45.1	3.0%	1.1%	3.35					3.31					3.35				
High	6.5%	100.0	6.4%	-1.5%	Cal. Span	6.4%	6.4%	0.0%	1.5%	Cal. Span	6.4%	6.4%	0.0%	1.5%	Cal. Span	6.4%	6.4%	0.0%	1.5%
Analyzer Range = 10.0%			Span = 6.5		6.5					6.5					6.5				

Appendix D:
Fuel Gas Analysis, F-Factor Calculations, & Fuel Meter Calibration

New Mexico
GAS COMPANY

Ne

Ga

Analysis ID: 00001458
Name: LOS ALAMOS TECH 4

Effective Date: 1/1/2019 8:00:00 AM
Valid Thru Date: 1/2/2019 8:00:00 AM

Analysis Origin:
Analysis Type:

Saturated HV:
Dry HV:
Gravity:
Source:

Component	% Mol	GPM
Methane	90.024	
Ethane	5.406	NaN
Propane	0.735	NaN
I Butane	0.204	NaN
N Butane	0.223	NaN
I Pentane	0.152	NaN
N Pentane	0.082	NaN
Hexanes+	0.009	NaN
Nitrogen	1.901	
CO2	1.256	
Total	**99.990**	**NaN**

Comments:

The data on this report may be i

Fuel Analysis
Gas Fuel F Factor and Heating Value Calculation

Company: LANL
Sample ID: TA-3 Fuel Supply
Time: 8:00
Date: 1/1/19

CALCULATION OF DENSITY AND HEATING VALUE @ 68°F and 29.92 in Hg

Component	% Volume	Molecular Wt.	Density (lb/ft3)	% volume x Density	weight %	Component Gross Btu/lb	Weight Fract. Btu	Gross Htng. Val. (Btu/SCF)	Volume Fract. Btu
Hydrogen		2.016	0.0052	0.00000	0.0000	61100	0.00	325.0	0.000
Oxygen		32.000	0.0831	0.00000	0.0000	0	0.00	0.0	0.000
Nitrogen	1.911	28.016	0.0731	0.00140	2.9980	0	0.00	0.0	0.000
CO2	1.256	44.010	0.1149	0.00144	3.0985	0	0.00	0.0	0.000
CO		28.010	0.0727	0.00000	0.0000	4347	0.00	322.0	0.000
Methane	90.024	16.041	0.0417	0.03749	80.4902	23879	19220.25	1013.0	911.943
Ethane	5.406	30.067	0.0789	0.00426	9.1529	22320	2042.92	1792.0	96.876
Ethylene		28.051	0.0733	0.00000	0.0000	21644	0.00	1614.0	0.000
Propane	0.735	44.092	0.1175	0.00086	1.8535	21661	401.48	2590.0	19.037
propylene		42.077	0.1090	0.00000	0.0000	21041	0.00	2336.0	0.000
Isobutane	0.204	58.118	0.1554	0.00032	0.6805	21308	145.00	3363.0	6.861
n-butane	0.223	58.118	0.1554	0.00035	0.7439	21257	158.12	3370.0	7.515
Isobutene		56.102	0.1454	0.00000	0.0000	20840	0.00	3068.0	0.000
Isopentane	0.152	72.144	0.1870	0.00028	0.6102	21091	128.71	4008.0	6.092
n-pentane	0.082	72.144	0.1870	0.00015	0.3292	21052	69.31	4016.0	3.293
n-hexane +	0.009	86.169	0.2234	0.00002	0.0432	20940	9.04	4762.0	0.429
H2S		34.076	0.0895	0.00000	0.0000	7100	0.00	647.0	0.000
Totals	**100.00**	**731.25**	**1.91**	**0.05**	**100.00**	**Gross Heating Value**			
Average Density:		**0.0466**	**Specific Gravity:**		**0.609**	**Btu/lb:**	**22175**	**Btu/SCF:**	**1052**

CALCULATION OF F FACTORS

Component	Mol. Wt.	C Factor	H Factor	% volume	Fract. Wt.	Weight Percents				
						Carbon	Hydrogen	Nitrogen	Oxygen	Sulfur
Hydrogen	2.016	0.0000	1.0000	0.0000	0.0000		0.0000			
Oxygen	32.000	0.0000	0.0000	0.0000	0.0000				0.0000	
Nitrogen	28.016	0.0000	0.0000	1.9110	53.5386			2.9905		
CO2	44.010	0.2723	0.0000	1.2560	55.2766	0.8407			2.2446	
CO	28.010	0.4259	0.0000	0.0000	0.0000	0.0000			0.0000	
Methane	16.041	0.7500	0.2500	90.0240	1444.0750	60.4953	20.1651			
Ethane	30.067	0.8000	0.2000	5.4060	162.5422	7.2632	1.8158			
Ethylene	28.051	0.8571	0.1429	0.0000	0.0000	0.0000	0.0000			
Propane	44.092	0.8182	0.1818	0.7350	32.4076	1.4810	0.3291			
Propene	42.077	0.8571	0.1429	0.0000	0.0000	0.0000	0.0000			
Isobutane	58.118	0.8276	0.1725	0.2040	11.8561	0.5481	0.1142			
n-butane	58.118	0.8276	0.1725	0.2230	12.9603	0.5991	0.1249			
Isobutene	56.102	0.8571	0.1429	0.0000	0.0000	0.0000	0.0000			
Isopentane	72.144	0.8333	0.1667	0.1520	10.9659	0.5104	0.1021			
n-pentane	72.144	0.8333	0.1667	0.0820	5.9158	0.2754	0.0551			
n-hexane	86.169	0.8372	0.1628	0.0090	0.7755	0.0363	0.0071			
H2S	34.076	0.0000	0.0587	0.0000	0.0000	0.0000	0.0000			0.0000
Totals	**731.25**	**9.80**	**2.96**	**100.00**	**1790.314**	**72.049**	**22.713**	**2.990**	**2.245**	**0.000**

CALCULATED VALUES

O2 F Factor (dry)	**8672**	DSCF of Exhaust/MMBtu of Fuel Burned @ 0% excess air
O2 F Factor (wet)	**10649**	SCF of Exhaust/MMBtu of Fuel Burned @ 0% excess air
Moisture F Factor	**1977**	SCF of Water/MMBtu of Fuel Burned @ 0% excess air
Combust. Moisture	**18.56**	Volume % water in flue gas @ 0% excess air
CO2 F Factor	**1043**	DSCF of CO2/MMBtu of Fuel Burned @ 0% excess air
Carbon Dioxide	**12.03**	Volume % CO2 in flue gas @ 0% O2
Predicted Fo Factor	**1.74**	EPA Method 3b Fo value
Fuel VOC %	**14.21%**	Non-methane
Fuel VOC %	**4.55%**	Non-methane, non-ethane

UTILITIES CALIBRATION DATA SHEET (SAMPLE)

UTILITIES CALIBRATION DATA SHEET

Use Dark ink.

PAGE 1 OF 1

Section 1. EQUIPMENT INFORMATION

EQUIPMENT IDENTIFIER (Unit / Op System / Equipment Number)	ITEM NUMBER	JOB PACKAGE NUMBER
CGTG -- Natural-- Gas Compressor	EC-001	592878-01
EQUIPMENT / COMPONENT NAME	**MANUFACTURER NAME**	**MODEL NUMBER (S/N)**
EC-001-Gas Meter	Mercury Instruments	0202203
CALIBRATION PROCEDURE NUMBER		**FREQUENCY**

Section 2. CONTACT / CUSTOMER INFORMATION

NAME	Z - NUMBER		PHONE NUMBER	CELL NUMBER	PAGER NUMBER
Joseph Baughman				699-0207	

Section 3. CALIBRATION DATA (COMPLETED BY THE CALIBRATOR)

(Include measurements, examinations, and derived results, supported tables, graphs, sketches, etc., as appropriate. Use attachments for continuation; number all pages.)

CALIBRATION DUE DATE	CALIBRATION DATE	NEXT EXPIRATION DATE	PROCESS INSTRUMENT ACCURACY
12/31/2017	1/31/2018	1/31/2019	+/- 5%

Standard(s) Used: *(Accuracy must be 4 times better than M&TE being calibrated or explained in COMMENT Section)*

M Beamex MC-5 Scale 0-100 PSI Accuracy +/- 1% (Accuracy

M Serial# 25513818 Scale Accuracy on the Beamex)

CALIBRATION POINTS		AS FOUND DATA (Beamex)		AS LEFT DATA (Captor)	
0%	0 PSI	0 PSI	0 PSI	0 PSI	0 PSI
25%	25 PSI	25.00 PSI	25 PSI	25.05 PSI	24.99
50%	50 PSI	50.0 PSI	50 PSI	49.98 PSI	49.88
75%	25 PSI	75.0 PSI	75 PSI	74.84 PSI	75.2 PSI
100%	100	100 PSI	100 PSI	99.5 PSI	99.5 PSI

AS FOUND Condition	AS LEFT Condition	AS LEFT Status
☑ In Tolerance ☐ Repair Required ☐ Out Of Tolerance	☑ In Tolerance ☐ Repair Required ☐ Out Of Tolerance	☑ Approved ☐ Rejected ☐ Limited Use Tolerance

CHARACTERIZATION & CONDITION OF ITEM *(Describe damage resulting from improper handling or storage and/or any communication from the customer regarding the condition of the item)* Good

LIMITATIONS OF USE

Electro-Corrector Gas Meter. Used for metering natural gas usage @ CGTG Compressor

ADJUSTMENT REMARKS *(Include any non-standard method used or any unique information that would assist in future calibrations. Record any deviation from, addition to, or excursion from, the calibration method and any other information relevant to a specific calibration, such as significant environmental conditions.)*

N/A

COMMENTS

Equipment is verified to be within allowable tolerances

Section 4. SIGNATURES

CALIBRATOR	Z - NUMBER	DATE
B. M. E. Donnelly	179352	1/31/2018
QUALITY ASSURANCE VERIFICATION (Calibration Coordinator/Designee)	**Z - NUMBER**	**DATE**

60-10-110.2 Calibration Data Sheet

UICS VERIFIED
I.D. EC-001 9.60DA
DATE 12/21/2016 BY CO JCM
DUE 12/31/2017 Q07A-A1AR

UICS VERIFIED
I.D. EC-001 0-100PSI
DATE 12/21/2016 BY CO SLM
DUE 12/31/2017 Q07A-A1AR

Appendix E:
Calibration Gas Certifications

MATHESON
ask. . .The Gas Professionals™

1700 Scepter Rd
Waverly, TN 37185
931-296-3357

Certificate of Analysis - EPA Protocol Mixtures

Customer: CST | Customer PO#: | Part # G2672670

Protocol:	Reference #:	Lot#:
G1	T215008-1	9305616836

Cylinder Number: CC187176
Cylinder Pressure: 1900 psig
Last Analysis Date: 12/16/2015
Expiration Date: 12/16/2018

DO NOT USE THIS CYLINDER WHEN THE PRESSURE FALLS BELOW 100 PSIG

Component: Nitric Oxide
Certified Conc: 49.23 ppm +/- 0.15 ppm ABS
NOx: 49.28 ppm Reference Only

BALANCE GAS: Nitrogen

REPLICATE RESPONSES

Date:	12/8/2015	Date:	12/16/2015
	49.39		49.19
	49.40		49.23
	49.41		49.15

REFERENCE STANDARDS:

Component: Nitric Oxide
Reference Standard: SRM
Cylinder #: FF5982
Concentration: 99.75 ppm
Exp Date: 1/25/2020
NIST Sample #: 44-T-70

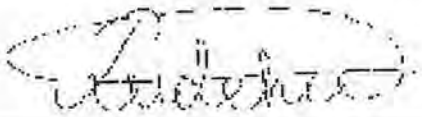
CERTIFICATION INSTRUMENTS

Component: Nitric Oxide
Make/Model: Antaris IGS
Serial Number: AKS1000151
Measurement Principle: FTIR
Last Calibration: 12/14/2015

Notes:

The certification was performed according to EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards May 2012, using procedure G1 and/or G2. U.S EPA Vendor ID Number: D62015, PGVP Participation Date: 01/01/15, PGVP Renewal Date: 01/01/16

The expanded uncertainty listed for each component was calculated at a coverage factor of k=2 and at a level of confidence of 95%.

Analyst: 
Roman Khidekel

Date: 12/18/2015

MATHESON
Ask The Gas Professionals

1700 Scepter Rd
Waverly, TN 37185
931-296-3357

Certificate of Analysis - EPA Protocol Mixtures

Customer: Matheson Tri-Gas

Customer PO#:

Cylinder Number:	SX46306
Cylinder Pressure:	1900 psig
Last Analysis Date:	10/28/2017
Expiration Date:	10/29/2020
Matheson Part Number:	G2672833

Protocol:	Reference #:	Lot#:
G1	T201719-1	9304611569

DO NOT USE THIS CYLINDER WHEN THE PRESSURE FALLS BELOW 100 PSIG

Component: Carbon Monoxide
Certified Conc: 25.13 ppm +/- 0.03 ppm ABS
Component: Nitric Oxide
Certified Conc: 25.07 ppm +/- 0.08 ppm ABS
NOx: 25.30 ppm Reference Only

BALANCE GAS: Nitrogen

REPLICATE RESPONSES

Date: 10/21/2017	Date: 10/21/2017	Date: 10/28/2017
25.08	25.07	25.05
25.18	25.08	24.98
25.13	25.12	24.93

REFERENCE STANDARDS:

Component:	Carbon Monoxide
Reference Standard:	SRM
Cylinder #:	FF18328
Concentration:	49.136 ppm
Exp. Date:	2/24/2021
NIST Sample #:	04-L-64

Component:	Nitric Oxide
Reference Standard:	SRM
Cylinder #:	FF9316
Concentration:	99.75 ppm
Exp. Date:	1/25/2020
NIST Sample #:	44-T-84

CERTIFICATION INSTRUMENTS

Component:	Carbon Monoxide
Make/Model:	Antaris IGS
Serial Number:	AKS1000151
Measurement Principle:	FTIR
Last Calibration:	9/18/2017

Component:	Nitric Oxide
Make/Model:	Antaris IGS
Serial Number:	AKS1000151
Measurement Principle:	FTIR
Last Calibration:	10/11/2017

Notes:

The certification was performed according to EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards May 2012, using procedure G1 and/or G2. U.S EPA Vendor ID Number: D62014, PGVP Participation Date: 01/01/14, PGVP Renewal Date: 01/01/15

Analyst: Roman Khidekel

Date: 10/29/2017

MATHESON
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1700 Scepter Rd
Waverly, TN 37185
931-296-3357

Certificate of Analysis - EPA Protocol Mixtures

Customer: Matheson
8200 Washington St. NE
Compliance Services & Test
Albuquerque, NM 87113

Customer PO#: 14285831-00 Part # G2676958

Protocol:	Reference #:	Lot#:
G1	700151-2	9306622508

Cylinder Number: SX44078
Cylinder Pressure: 1900 psig
Last Analysis Date: 11/29/2016
Expiration Date: 11/29/2019

DO NOT USE THIS CYLINDER WHEN THE PRESSURE FALLS BELOW 100 PSIG

Component: Carbon Monoxide
Certified Conc: 44.87 ppm +/- 0.07 ppm ABS

Component: Nitric Oxide
Certified Conc: 44.64 ppm +/- 0.18 ppm ABS

NOx: 44.66 ppm Reference Only

BALANCE GAS: Nitrogen

REPLICATE RESPONSES

Date: 11/18/2016	Date: 11/21/2016	Date: 11/29/2016
45.01	44.81	44.24
44.84	44.67	44.42
44.76	44.71	44.45

REFERENCE STANDARDS:

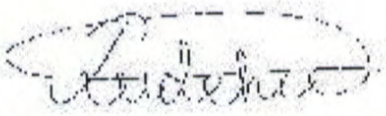
	Carbon Monoxide	Nitric Oxide
Component:	Carbon Monoxide	Nitric Oxide
Reference Standard:	SRM	SRM
Cylinder #:	FF10672	CAL017936
Concentration:	24.512 ppm +/- 0.029 ppm (abs)	48.79 ppm +/- 0.34 ppm (abs)
Exp. Date:	10/26/2016	3/25/2019
NIST Sample #:	58-E-11	45-V-100

CERTIFICATION INSTRUMENTS

	Carbon Monoxide	Nitric Oxide
Component:	Carbon Monoxide	Nitric Oxide
Make/Model:	Antaris IGS	Horiba CLA-510SS
Serial Number:	AKS1000151	M60VVSNN
Measurement Principle:	FTIR	CHEMI
Last Calibration:	10/26/2016	11/16/2016

Notes:

The certification was performed according to EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards May 2012, using procedure G1 and/or G2. U.S EPA Vendor ID Number: D62016, PGVP Participation Date: 01/01/16, PGVP Renewal Date: 01/01/17
The expanded uncertainty listed for each component was calculated at a coverage factor of k=2 and at a level of confidence of 95%.

Analyst: 
Roman Khidekel

Date: 12/2/2016

MATHESON
ask. . .The Gas Professionals™

1700 Scepter Rd
Waverly, TN 37185
931-296-3357

Certificate of Analysis - EPA Protocol Mixtures

Customer:	Matheson 8200 Washington St NE Compliance Service & Test Albuquerque, NM 87113	Customer PO#: 16797084-00		Part # G2689319
		Protocol:	Reference #:	Lot#:
Cylinder Number:	SX46317	G1	722297-01	9307629051
Cylinder Pressure:	1900 psig	**DO NOT USE THIS CYLINDER WHEN THE PRESSURE FALLS BELOW 100 PSIG**		
Last Analysis Date:	1/2/2018			
Expiration Date:	1/2/2026			

				REPLICATE RESPONSES
Component:	Carbon Dioxide		Date:	1/2/2018
				6.53
Certified Conc:	6.53 %	+/- 0.04 % ABS		6.53
				6.52
Component:	Oxygen		Date:	1/2/2018
				9.73
Certified Conc:	9.71 %	+/- 0.03 % ABS		9.71
				9.70

BALANCE GAS: Nitrogen

REFERENCE STANDARDS:

Component:	Carbon Dioxide	Component:	Oxygen
Reference Standard:	SRM	Reference Standard:	SRM
Cylinder #:	FF10661	Cylinder #:	CAL016822
Concentration:	6.944 +/- 0.013 % ABS	Concentration:	9.918 +/- 0.022 % ABS
Exp. Date:	6/17/2019	Exp. Date:	2/3/2024
SRM #:	1674b	SRM #:	2658a
NIST Sample#	7-H-15	NIST Sample#	72-D-56

CERTIFICATION INSTRUMENTS

Component:	Carbon Dioxide	Component:	Oxygen
Make/Model:	HORIBA VIA 510	Make/Model:	HORIBA MPA 510
Serial Number:	41679080021	Serial Number:	SGU27SC4
Measurement Principle:	NDIR	Measurement Principle:	PARAMAGNETIC
Last Calibration:	12/22/2017	Last Calibration:	12/14/2017

Notes: **Basis of concentration is mol/mol**

The certification was performed according to EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards May 2012, using procedure G1 and/or G2. U.S EPA Vendor ID Number: D62018, PGVP Participation Date: 01/01/18, PGVP Renewal Date: 01/01/19
The expanded uncertainty listed for each component was calculated at a coverage factor of k=2 and at a level of confidence of 95%.

Analyst: Ashley Smallwood
Ashley Smallwood

Date: 1/4/2018

MATHESON
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1700 Scepter Rd
Waverly, TN 37185
931-296-3357

Certificate of Analysis - EPA Protocol Mixtures

Customer:	Matheson 8200 Washington St NE CST Albuquerque, NM 87113	Customer PO#: 15839038-00		Part # G2692240
		Protocol:	Reference #:	Lot#:
Cylinder Number:	SX41348	G1	714072-02	9307626522
Cylinder Pressure:	1900 psig			
Last Analysis Date:	8/1/2017			
Expiration Date:	8/1/2025			

DO NOT USE THIS CYLINDER WHEN THE PRESSURE FALLS BELOW 100 PSIG

				REPLICATE RESPONSES
Component:	Carbon Dioxide		Date:	8/1/2017
				2.931
Certified Conc:	2.930 %	+/- 0.013 % ABS		2.929
				2.930
Component:	Oxygen		Date:	8/1/2017
				20.98
Certified Conc:	20.98%	+/- 0.04 % ABS		20.98
				20.99

BALANCE GAS: Nitrogen

REFERENCE STANDARDS:

Component:	Carbon Dioxide	Component:	Oxygen
Reference Standard:	SRM	Reference Standard:	SRM
Cylinder #:	FF10624	Cylinder #:	CAL016822
Concentration:	6.944 +/- 0.013 % ABS	Concentration:	9.918 +/- 0.022 % ABS
Exp. Date:	6/17/2019	Exp. Date:	2/3/2024
SRM #:	1674b	SRM #:	2658a
NIST Sample#	7-H-12	NIST Sample#	72-D-56

CERTIFICATION INSTRUMENTS

Component:	Carbon Dioxide	Component:	Oxygen
Make/Model:	HORIBA VIA 510	Make/Model:	HORIBA MPA 510
Serial Number:	41679080021	Serial Number:	U1LSAGS6
Measurement Principle:	NDIR	Measurement Principle:	PARAMAGNETIC
Last Calibration:	7/26/2017	Last Calibration:	7/26/2017

Notes: **Concentration reported in µmol/mol**

The certification was performed according to EPA Traceability Protocol for Assay and Certification of Gaseous Calibration Standards May 2012, using procedure G1 and/or G2. U.S EPA Vendor ID Number: D62017, PGVP Participation Date: 01/01/17, PGVP Renewal Date: 01/01/18
The expanded uncertainty listed for each component was calculated at a coverage factor of k=2 and at a level of confidence of 95%.

Analyst: Ashley Smallwood
Ashley Smallwood

Date: 8/3/2017

Appendix F:
Datalog Record

Datalog Record
Unit TA-3-22-CT-1

Time	Date	NOx-1 PPMV	CO-1 PPMV	O2-1 %VOL	CO2-1 %VOL	Event
10:02	1/10/19	0.08	0.37	0.01	0.00	**Initial Linearity**
10:03	1/10/19	24.86	25.30	0.01	0.00	
10:04	1/10/19	45.40	43.84	0.01	0.00	
10:05	1/10/19	0.08	0.28	9.53	6.40	
10:06	1/10/19	0.09	0.39	20.87	3.00	
10:07	1/10/19	49.56	0.39	0.01	0.00	
10:08	1/10/19	0.09	0.44	0.01	0.00	**NOx Converter /**
10:09	1/10/19	23.87	22.01	0.01	0.01	**Efficiency Test**
10:10	1/10/19	24.85	25.31	-0.01	0.01	**Response Time /**
10:11	1/10/19	1.03	0.89	9.08	5.98	**Bias Check**
10:12	1/10/19	0.08	0.31	9.36	6.39	
10:13	1/10/19	0.08	0.40	0.01	0.01	**Stratification Test**
10:14	1/10/19	21.52	20.72	15.02	3.21	**Point 1**
10:15	1/10/19	21.51	20.39	15.02	3.22	
10:16	1/10/19	21.52	20.03	15.02	3.22	
10:17	1/10/19	21.52	20.00	15.02	3.22	
10:18	1/10/19	21.22	19.66	15.02	3.22	**Point 2**
10:19	1/10/19	21.22	18.92	15.04	3.21	
10:20	1/10/19	21.20	18.96	15.05	3.21	
10:21	1/10/19	21.23	18.63	15.06	3.21	
10:22	1/10/19	21.22	18.26	15.06	3.21	**Point 3**
10:23	1/10/19	21.22	17.91	15.07	3.21	
10:24	1/10/19	21.23	17.93	15.06	3.21	
10:25	1/10/19	21.37	17.56	15.06	3.21	
10:26	1/10/19	21.85	16.83	15.08	3.23	
10:27	1/10/19	21.85	16.13	15.07	3.25	**Start Run 1**
10:28	1/10/19	21.86	15.13	15.06	3.26	
10:29	1/10/19	21.83	14.09	15.05	3.27	
10:30	1/10/19	21.85	13.04	15.03	3.28	
10:31	1/10/19	22.14	12.32	15.01	3.30	
10:32	1/10/19	22.16	11.65	15.00	3.30	
10:33	1/10/19	21.85	10.93	15.00	3.32	
10:34	1/10/19	22.14	10.22	14.99	3.32	
10:35	1/10/19	22.14	9.49	14.99	3.32	
10:36	1/10/19	22.16	9.15	14.98	3.34	
10:37	1/10/19	22.15	9.19	14.97	3.33	
10:38	1/10/19	22.15	8.44	14.97	3.34	
10:39	1/10/19	22.46	7.72	14.96	3.35	
10:40	1/10/19	22.44	8.07	14.95	3.35	
10:41	1/10/19	22.15	7.35	14.95	3.35	
10:42	1/10/19	22.44	7.04	14.94	3.35	
10:43	1/10/19	22.45	6.67	14.94	3.37	
10:44	1/10/19	22.45	6.32	14.94	3.37	
10:45	1/10/19	22.44	6.34	14.94	3.35	
10:46	1/10/19	22.75	5.99	14.94	3.35	
10:47	1/10/19	22.76	6.69	14.94	3.35	
Run 1 Average		**22.22**	**9.62**	**14.98**	**3.33**	

Time	Date	NOx-1 PPMV	CO-1 PPMV	O2-1 %VOL	CO2-1 %VOL	Event
10:48	1/10/19	0.99	0.38	0.48	0.25	
10:49	1/10/19	0.68	0.40	0.02	0.08	
10:50	1/10/19	23.95	21.43	0.02	0.04	
10:51	1/10/19	25.46	24.97	0.01	0.04	
10:52	1/10/19	1.28	1.08	8.95	5.91	
10:53	1/10/19	0.69	-0.65	9.40	6.44	
10:54	1/10/19	22.75	5.29	14.85	3.42	
10:55	1/10/19	23.06	4.93	14.96	3.34	**Start Run 2**
10:56	1/10/19	23.04	5.29	14.97	3.30	
10:57	1/10/19	23.05	4.94	14.97	3.28	
10:58	1/10/19	23.04	4.95	14.98	3.28	
10:59	1/10/19	22.75	4.96	14.98	3.28	
11:00	1/10/19	22.74	4.60	14.98	3.28	
11:01	1/10/19	22.76	4.26	14.97	3.28	
11:02	1/10/19	23.05	4.25	14.98	3.28	
11:03	1/10/19	23.05	4.23	14.97	3.28	
11:04	1/10/19	22.76	4.23	14.97	3.28	
11:05	1/10/19	22.74	4.24	14.97	3.28	
11:06	1/10/19	22.75	4.22	14.97	3.28	
11:07	1/10/19	22.46	4.22	14.97	3.28	
11:08	1/10/19	22.44	4.22	14.97	3.28	
11:09	1/10/19	22.44	3.87	14.97	3.28	
11:10	1/10/19	22.45	3.88	14.97	3.28	
11:11	1/10/19	22.45	3.87	14.97	3.28	
11:12	1/10/19	22.45	3.88	14.97	3.28	
11:13	1/10/19	22.46	3.88	14.97	3.28	
11:14	1/10/19	22.44	3.90	14.98	3.28	
11:15	1/10/19	22.45	3.55	14.98	3.28	
Run 2 Average		**22.71**	**4.30**	**14.97**	**3.29**	

Time	Date	NOx-1 PPMV	CO-1 PPMV	O2-1 %VOL	CO2-1 %VOL	Event
11:16	1/10/19	1.30	0.36	1.29	0.53	
11:17	1/10/19	0.68	0.37	0.06	0.04	
11:18	1/10/19	21.53	16.19	0.05	0.02	
11:19	1/10/19	25.16	24.59	0.03	0.00	
11:20	1/10/19	1.29	1.09	8.86	5.79	
11:21	1/10/19	0.68	-0.33	9.42	6.39	
11:22	1/10/19	21.85	3.87	14.92	3.35	
11:23	1/10/19	21.85	3.87	14.96	3.32	**Start Run 3**
11:24	1/10/19	21.54	3.54	14.98	3.30	
11:25	1/10/19	21.55	3.57	14.98	3.30	
11:26	1/10/19	21.56	3.55	14.98	3.30	
11:27	1/10/19	21.54	3.51	14.99	3.30	
11:28	1/10/19	21.55	4.57	14.99	3.30	
11:29	1/10/19	21.86	3.55	14.98	3.30	
11:30	1/10/19	21.55	3.17	14.98	3.32	
11:31	1/10/19	21.52	3.55	14.99	3.32	
11:32	1/10/19	21.55	3.15	14.99	3.32	
11:33	1/10/19	21.53	3.20	14.99	3.32	
11:34	1/10/19	21.23	3.19	14.99	3.32	
11:35	1/10/19	21.55	3.19	14.99	3.32	
11:36	1/10/19	21.24	3.16	14.99	3.33	
11:37	1/10/19	21.52	3.18	14.99	3.34	
11:38	1/10/19	21.55	3.17	15.00	3.34	
11:39	1/10/19	21.52	3.19	15.00	3.34	
11:40	1/10/19	21.53	3.17	15.00	3.34	
11:41	1/10/19	21.53	3.18	15.00	3.34	
11:42	1/10/19	21.53	3.14	15.00	3.33	
11:43	1/10/19	21.55	2.79	15.00	3.33	
Run 3 Average		**21.54**	**3.36**	**14.99**	**3.32**	
11:44	1/10/19	1.30	0.01	1.17	0.55	
11:45	1/10/19	0.69	0.03	0.09	0.11	
11:46	1/10/19	23.95	21.78	0.08	0.09	
11:47	1/10/19	25.18	24.21	0.07	0.09	
11:48	1/10/19	1.28	1.43	8.70	5.67	
11:49	1/10/19	0.69	-1.07	9.44	6.44	

ATTACHMENT A1407.A.

Open Burning

There was no open burning conducted during this reporting period.

ATTACHMENT A1507.A.a

Evaporative Sprayers

The monitoring requirement for analysis of the evaporative sprayer basin water is required to be completed every two years beginning in 2018. The basin was tested in June of 2018 and will be tested again in 2020, therefore no additional analysis of the basin water was conducted during this reporting period.

ATTACHMENT A1507.A.b

Evaporative Sprayers

Hours of Operation

2019 Operational Data for SERF Spray Evaporators - Data entry

	Evap Sprayer #1 (SN 0053)		Evap Sprayer #2 (SN 0054)		Evap Sprayer #3 (SN 0055)		Evap Sprayer #4 (SN 0006 Installed 8/23/18)		Evap Sprayer #5 (SN 0008 Installed 8/23/18)		Large Evap Sprayer Fixed Unit (SN 9360 Installed 6/4/19)	
	Hours	Gallons	Hours	Gallons	Hours	Gallons	Hours	Gallons	Hours	Gallons	Hours	Gallons
Jan	461	166,064	64	30,624	-	-	112	24,383	-	-	-	-
Feb	765	279,613	176	84,384	-	-	175	46,581	-	-	-	-
Mar	411	171,150	286	137,624	-	-	93	22,808	-	-	-	-
Apr	358	185,135	336	161,008	-	-	2	733	-	-	-	-
May	252	120,832	149	71,880	-	-	335	109,985	-	-	-	-
Jun	-	-	-	-	-	-	599	231,050	-	-	389,258	423
Jul												
Aug												
Sep												
Oct												
Nov												
Dec												
Annual Totals	2,247	922,794	1,011	485,520	-	-	1,316	435,540	-	-	389,258	423

Reviewed by: Vince Carretti 07/10/2019

ATTACHMENT A1507.B.

Evaporative Sprayers

Work Practice Standards

Maintenance and Repair Requirements and Records

SERF SIGMA BASINS EVAPORATOR PM LOG

UI-PROC-81-00-027-LOG

Date	Evaporator Number	Pond Number	Inspection		Cleaning	Performed By	Z#	Comments
			Damage? (Y/N)	Wear? (Y/N)				
7/25/2018	SN 0053	1	N	N	Y	CB/JH	280633 / 281223	N/A
7/25/2018	SN 0054	3	N	Y	Y	CB/JH	280633 / 281223	Coating on Blade starting to peel off.
7/25/2018	SN 0055	4	N	Y	Y	CB/JH	280633 / 281223	Coating on Blade starting to peel off.
9/12/2018	SN 0053	1	No	No	Y	CB/JH	280633 / 281223	Spray cleaned the unit.
9/12/2018	SN 0054	3	No	No	Y	CB/JH	280633 / 281223	Spray cleaned the unit.
9/12/2018	SN 0006	2	No	No	Y	CB/JH	280633	Spray cleaned the unit.
4/1/2019	SN 9360	N/A	Y	Y	N/A	Craft	Multi Craft Work	Fan, fan motor, and pump replaced with new equipment.
6/3/2019	SN 053	1	N	N	Scheduled for week of 6-24.	CB/JH/JF	280633/281223/309958	Coating on Blade starting to peel off. Unit offline for cleaning.
6/3/2019	SN 0054	3	N	N	Scheduled for week of 6-24.	CB/JH/JF	280633/281223/309958	Unit offline for cleaning / pump replacmeent. Pump on order.
6/3/2019	SN 055	Land	N	N	Scheduled for week of 6-24.	CB/JH/JF	280633/281223/309958	Unit offline for cleaning / pump replacmeent. Pump on order.
6/3/2019	SN 0006	2	N	N	Scheduled for week of 7-15	CB/JH/JF	280633/281223/309958	Online / Running
6/3/2019	SN 0008	4	N	N	Scheduled for week of 7-15	CB/JH/JF	280633/281223/309958	Unit offline for cleaning / pump replacmeent. Pump on order.

Operations Procedure

SERF Sigma Basin SMI 120F Evaporator Inspections

Review frequency 1 yr ☐ 2 yr ☐ 3 yr ☒

Issue date 6/18/18 **Next review** 6/18/21

Process Owner

Jared Hornberger	SERF Lead Operator	
	Z-# 281223	Date 6/13/18

Reviewed by

Joshua Begay	SERF System Engineer	
	Z-# 304395	Date 6/13/2018

ESH Review

Russell Stone	ESH Manager	
	Z-# 117365	Date 6/14/2018

Approved by

Lawrence Chavez	Operations Manager	
	Z-# 186199 090208	Date 6-18-18

Derivative Classifier Review

Michael E. Gallegos	VERIFIED UNCLASSIFIED	
	~~Z-# 089711~~ 128179	Date 14 June 18

History of Revisions

Document Number	Issue Date	Action
UI-PROC-81-00-027-R1	6/18/18	Review and reissue. Minor changes.
UI-PROC-81-00-027-R0	06/01/18	New procedure.

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Utilities & Institutional Facilities
Operations Procedure

SERF Sigma Basin SMI 120F Evaporator Inspections

1 Purpose

The purpose of this procedure is to provide instructions for inspecting and removing scale and debris from SMI Evaporative Solutions Model 120F Floating Mechanical Evaporators used at SERF evaporation ponds at TA-60-0221/0222 on Sigma Mesa.

2 Scope/Applicability

1. The procedure includes inspecting evaporator housings and pump sleeves for scale, inspecting fan blades for wear, removing scale, removing obstructions, and cleaning evaporator pump static inlet filters.
2. Affected personnel: SERF Operations and other personnel

3 Prerequisites

1. Required training and qualifications:
   a. Utilities & Institutional Facilities (UI) procedures and work control processes
   b. The current procedure, equipment, supplies, etc.
   c. P101-3, Lockout/Tagout for Hazardous Energy Control
2. Pre-job briefing

4 Precautions and Limitations

1. Required Personal Protective Equipment (PPE)
   - Steel-toe safety shoes
   - Safety glasses with side shields
   - Personal floatation device
2. All procedure hazards, both task and site, must be addressed in accordance with UI work control processes.
3. Refer to Integrated Work Document (IWD) for specific task and site hazards.
4. Lockout/tagout (LO/TO) must be performed per P101-3, Lockout/Tagout for Hazardous Energy Control.

5 Equipment, Supplies, etc.

1. Equipment, tools, instruments:
   - Pressure washer
   - Power generator
   - Pump
   - Flat and/or combination screwdriver
   - Hand tools
   - Flashlight

6 Responsibilities

1. Persons performing this procedure are responsible for –
   - Complying with its requirements
   - Notifying appropriate supervisory personnel of equipment damage or other conditions that could require corrective action
   - Issuing a PAUSE/STOP WORK order whenever warranted by conditions related to health or safety in accordance with P101-18, Procedure for Pause/Stop Work
2. Managers are responsible for ensuring procedure compliance.

7 Work Steps

7.1 General Items

1. Schedule performance of the procedure in coordination with SERF Operations.
   - Inform affected personnel when the inspection process is about to begin.
2. Make sure evaporators are operational.

   If an evaporator is out of service, record the following information in SERF Operator Log:
   - Reason out of service
   - Submitted Work Order/FSR number

     (if MSS repair)

7.2 Perform Inspections

Perform inspections yearly.

1. Turn evaporators OFF.
2. Apply LO/TO per P101-3, Lockout/Tagout for Hazardous Energy Control.
3. Remove evaporators from ponds using tethering cable.
    - Inspect cables for tear or excessive jacket wear.
4. Inspect exterior of evaporators for scale build-up.
    - Use pressure washer to remove scale.
5. Inspect fan blades for wear.
    - Note that the blades are not sharp.
    - Notify appropriate personnel of excessive wear.
6. Inspect pump sleeves through viewing port for obstructions and scale build-up.
    - Remove any obstructions.
    - Use pressure washer to remove scale.
7. Remove static inlet filters from pumps and clean them.
8. Reinstall cleaned static inlet filters.
9. Return evaporators and tethering cables where they came from in pond.
10. Remove LO/TO.
11. Turn evaporators ON and check for normal operation.
12. If a problem is found, immediately notify appropriate personnel so corrective action can be taken.

8 Records

Records generated as a result of implementing this procedure are maintained in accordance with the UI records program.

9 Abbreviations, Acronyms, and Terms

Abbreviation, Acronym, or Term	Definition
ESH	Environment, Safety, and Health
IWD	Integrated Work Document
LO/TO	Lockout/tagout
PPE	Personal Protective Equipment
SERF	Sanitary Effluent Reclamation Facility
UI	Utilities & Institutional Facilities

10 References

P101-3, Lockout/Tagout for Hazardous Energy Control

11 Appendices and Attachments

None