

LA-UR-15-25948

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Title: ADESH-15-115 AI856 2015H1 Monitoring Report P100R2 Final

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Intended for: Environmental Programs

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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 Fax (505) 476-4375



Version 05.02.13

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REPORTING SUBMITTAL FORM

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PLEASE NOTE: ® - Indicates required field

SECTION I - GENERAL COMPANY AND FACILITY INFORMATION					
A. ® Company Name: Los Alamos National Security, LLC			D. ® Facility Name: Los Alamos National Laboratory		
B.1 ® Company Address: P.O Box 1663 MS J978			E.1 ® Facility Address: Same as Company		
B.2 ® City: Los Alamos	B.3 ® State: NM	B.4 ® Zip: 87545 ¹	E.2 ® City:	E.3 ® State:	E.4 ® Zip:
C.1 ® Company Environmental Contact: Anthony R. Grieggs		C.2 ® Title: ENV-CP Group Leader		F.2 ® Title: Air Quality Permitting and Compliance Programs Team Leader	
C.3 ® Phone Number: (505) 665-0451		C.4 ® Fax Number: (505) 665-8858		F.3 ® Phone Number: (505) 665-2169	
C.5 ® Email Address: grieggst@lanl.gov			F.5 ® Email Address: story@lanl.gov		
G. Responsible Official: (Title V only): Michael T. Brandt		H. Title: Associate Director for ESH		J. Fax Number: (505) 665-3811	
K. ® Al Number: 856	L. Title V Permit Number: P100-R2	M. Title V Permit Issue Date: 02/27/2015	N. NSR Permit Number: 2195		O. NSR Permit Issue Date: Various
P. Reporting Period: From: March 2015 To: June 2015					

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

A. <input type="checkbox"/>	Title V Annual Compliance Certification	Permit Condition(s):	Description:	
B. <input checked="" type="checkbox"/>	Title V Semi-annual Monitoring Report	Permit Condition(s): A109.A	Description: LANL Semi-Annual Monitoring Report for March-June 2015	
C. <input type="checkbox"/>	NSPS Requirement (40CFR60)	Regulation:	Section(s):	Description:
D. <input type="checkbox"/>	MACT Requirement (40CFR63)	Regulation:	Section(s):	Description:
E. <input type="checkbox"/>	NMAC Requirement (20.2.xx) or NESHAP Requirement (40CFR61)	Regulation:	Section(s):	Description:
F. <input type="checkbox"/>	Permit or Notice of Intent (NOI) Requirement	Permit No. <input type="checkbox"/> or NOI No. <input type="checkbox"/>	Condition(s):	Description:
G. <input type="checkbox"/>	Requirement of an Enforcement Action	NOV No. <input type="checkbox"/> or SFO No. <input type="checkbox"/> or CD No. <input type="checkbox"/> or Other <input type="checkbox"/>	Section(s):	Description:

SECTION IV - CERTIFICATION

After reasonable inquiry, I <u>Michael T. Brandt</u> certify that the information in this submittal is true, accurate and complete. (name of reporting official)			
® Signature of Reporting Official: 	® Title: Associate Director for ESH	® Date: 8/11/15	® Responsible Official for Title V? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Reviewed By: _____

Date Reviewed: _____



Environment Safety & Health

PO Box 1663, MS K491
Los Alamos, New Mexico 87545
(505) 667-4218/Fax (505) 665-3811

Date: **AUG 11 2015**
Symbol: ADESH-15-115
LAUR: 15-25948
Locates Action No.: N/A

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

Dear Compliance and Enforcement Manager:

Subject: Semi-Annual Monitoring Report for March-June 2015 – Air Quality Title V Operating Permit P100-R2, AI No. 856 – Los Alamos National Laboratory (LANL)

Enclosed is Los Alamos National Laboratory's Semi-Annual Monitoring Report for Title V Operating Permit P100-R2. The Title V renewal permit P100-R2 was issued on February 27, 2015 and supersedes the previous operating permit P100-R1-M3. This report covers the monitoring period March-June 2015.

A separate semi-annual monitoring report for P100-R1-M3 is being submitted concurrently, and includes the monitoring period January-February 2015. These submissions are required by permit condition A109.A. of the Operating Permit P100-R2, and are submitted within 45 days following the end the six month reporting period.

This semi-annual monitoring report includes:

- Title V Report Certification Form
- Title V Semi-Annual Monitoring Report for Permit P100-R2
 - Part 1 – Monitoring Activity Reporting Requirements
- Monitoring Report Attachments A113 through A1307.H.

There were no deviations during this period.

AUG 11 2015

If you have any questions or comments regarding this submittal or would like to discuss this submittal in greater detail, please contact Steven L. Story at (505) 665-2169.

Sincerely,



Michael T. Brandt, DrPH, CIH
Associate Director
Environment, Safety, and Health

MTB/SLS/BR:mls

Enclosure: (1). LANL Title V Semi-Annual Monitoring Report for P100-R2, March-June 2015

Cy: Hai Shen, LASO-EP-SG, (E-File)
Kirsten Laskey, LASO-GOV (E-File)
Paul David Henry, DIR, (E-File)
Craig Leasure, PADOPS, (E-File)
Amy De Palma, PADOPS, (E-File)
Michael T. Brandt, ADESH, (E-File)
Raeanna R. Sharp-Geiger, ADESH, (E-File)
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ENCLOSURE 1

LANL Title V Semi-Annual Monitoring Report for
P100-R2, March-June 2015

ADESH-15-115

LA-UR-15-25948

Date: AUG 11 2015

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, Los Alamos

State: NM

Zip: 87545

Responsible Official (RO): Michael T. Brandt

Phone: 505-667-4218

Fax: 505-665-3811

RO Title: Associate Director, Environmental, Safety, & Health

RO e-mail: mtbrandt@lanl.gov

Permit No.: P100-R2

Date Permit Issued: Feb 27, 2015

Report Due Date (as required by the permit): 08/14/2015

Permit AI number: 856

Time period covered by this Report: From: March 2015

To: June 2015

III. Certification of Truth, Accuracy, and Completeness

I am the Responsible Official indicated above. I, (Michael T. Brandt) certify that I meet the requirements of 20.2.70.7.AE NMAC. 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:



Title V Semi - Annual Monitoring Report for Permit [P100R2](#)

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)

Stack Test Protocols and Stack Test Reports shall be submitted electronically to Stacktest.AQB@state.nm.us or as directed by the Department.

Excess Emission Reports shall be submitted as directed by the Department. (20.2.7.110 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 the mailing address below, or as directed by the Department:

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		
<p>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 NO_x, CO, SO₂, VOC, TSP, PM₁₀, and PM_{2.5} 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.</p>		
<p>Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.</p>		
<input type="checkbox"/> Yes	Date report submitted:	Tracking Number:
<input checked="" type="checkbox"/> No	Provide comments and identify any supporting documentation as an attachment.	
<p>Comments: A semi-annual report of actual emissions for July-December 2014, was submitted for P-100-R1-M3 on March 24, 2015, within 90 days from the end of the reporting period as required by condition A109. LANL's Title V renewal permit P100-R2 was issued on February 27, 2015 and a semi-annual report of actual emissions is not due until 90 days following June 30, 2015.</p>		

A113 Other Provisions (20.2.70.302.G.3 NMAC)

A. To verify Insignificant Activity 1.a and 1.b status of the TA-54 MDA L Soil Vapor Extraction System (SVE), the permittee shall perform the following actions.

(1) At least once every 3 months, the permittee shall calculate and record the tons of VOC and HAP emissions from both SVE units (east and west) using data collected from the SVE stack monitoring system and periodic sampling of the SVE stack gas. The record shall include both measured individual HAPs and total HAPs. These calculations and records shall begin upon startup of the SVE system and shall continue for a period of no less than 12-months to determine the actual ton per year emissions.

(2) The permittee shall report the available tons of HAPs (individual and total) and total VOC emissions data in the Semi-Annual reports required in Condition A109.A.

(3) Within 45 days of collecting 12 months of emissions data, the permittee shall submit the final ton per year VOC and HAPs emissions, the calculations, and the supporting data to AQB's Permit Programs Manager that verifies the Insignificant Activity status of TA-54 MDA L SVE. This submittal shall also cite the Title V Insignificant activity number that applies to the SVE units. Within 30 days of receipt of the submittal, the AQB will complete a review of the information and respond to the permittee in writing. Once AQB provides a written response of this Insignificant source verification, the monitoring, calculations, and reporting of the SVE system emissions no longer applies.

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 VOC and HAPs emissions from both SVE units are calculated and are provided as ATTACHMENT A113.

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 was used at the Asphalt Plant during this certification period and is one of the fuels allowed under the NSR permit GCP-3-2195G.

Recordkeeping: Records are maintained in accordance with Section B109.

Reporting:

A109.A: This semi-annual monitoring report is being submitted within the allowed 45 days of this reporting period.

A109.B: The semi-annual emissions report for the period Mar-June, 2015 for Operating Permit P100-R2 is due ninety days following June 30, 2015. Please note that January-February 2015 period is covered under permit P100-R1-M3. The July-December 2014 emissions report for P100-R1-M3 was submitted within the allowed 90-day period on March 24, 2015.

A109.C: The 2014 Annual Compliance Certification Report for P100-R1-M3 was submitted to NMED-AQB and EPA within 30 days of the end of the 12-month reporting period. The report was submitted to NMED and EPA on January 29, 2015.

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: The differential pressure information is used to confirm proper operation of the baghouse. The differential pressure across the baghouse filters during rotary dryer drum operation is measured by the following:

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

Recordkeeping conditions are met using the data-logger, backup chart recorder, and operator's manual differential pressure entries at the start and end of each operation daily.

The differential pressure readings are provided in ATTACHMENT A607.A.

Records are maintained in accordance with Section B109.

Emission and monitoring reports are submitted on a 6-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	
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.	
<input type="checkbox"/> Yes	Date report submitted: _____ Tracking Number: _____
<input checked="" type="checkbox"/> No	Provide comments and identify any supporting documentation as an attachment.
<p>Comments: The height of the asphalt plant stack has been measured and is not less than 10 meters. The stack is a permanent structure attached to the baghouse fan outlet and its height does not change.</p> <p>Records are maintained in accordance with Section B109.</p> <p>Emission and monitoring reports are submitted on a 6-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.</p>	

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: LANL has certified visible emission (opacity) readers on-site who perform monthly six (6) minute readings using 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 March through June 2015 are provided in ATTACHMENT A607.C. The asphalt plant did not operate in June 2015 and opacity measurements were not conducted. The January and February opacity measurements are provided concurrently with the Semi-Annual Monitoring report for P100-M1-R3.

Records are maintained in accordance with Section B109.

Emission and monitoring reports are submitted on a 6-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: Baghouse fines 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.

Records are maintained in accordance with Section B109.

Emission and monitoring reports are submitted on a 6-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

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: Asphalt production is monitored and recorded on a daily basis. The weekly rolling 12- month total is calculated and compared against the production limit set in this permit condition. Data on asphalt production is recorded daily on an operation log. The asphalt production rate did not exceed the permit limit. The daily operation logs and 12-month rolling totals are provided in ATTACHMENT A607.E.

Records are maintained in accordance with Section B109.

Emission and monitoring reports are submitted on a 6-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

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: 1) No new equipment was installed during this monitoring period. Operation 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.
- 4) Both EPA reference methods 9 and 22 are used at the plant to determine the extent of visible emissions.

The asphalt plant did not emit fugitive dust that exceeded the 5 minute limit of visible emissions during any 2 consecutive hours of operation. EPA Reference Method 9 reports are in ATTACHEMENT A.607.C and EPA Reference Method 22 reports are in ATTACHMENT A607.G. Please note that opacity measurements for March through June 2015 are attached to this monitoring report for P100-R2. The asphalt plant did not operate in June 2015 and measurements were not taken. A separate monitoring report is being submitted for P100-R1-M3, and includes January and February 2015 opacity reports.

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: During this reporting period, the asphalt plant did not emit fugitive dust that exceeded 5 minutes of visible emissions during any 2 consecutive hours.

Method 22 readings are taken once per month. The Method 22 readings for March, April and May 2015 are provided in ATTACHMENT A607.G. The asphalt plant did not operate in June 2015 and opacity measurement were not taken. No visible emissions were observed for more than two minutes during any Method 22 test in this reporting period. A separate monitoring report is being submitted concurrently for the previous permit P100-R1-M3 which was superseded by P100-R2 on February 27, 2015.

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

Emission and monitoring reports are submitted on a 6-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 control equipment and out the north or south stack of PF-4. (NSR Permit 1081-M1-R3, Specific Condition 1.b., partial, revised)	44 pounds of beryllium (20 kg) in any 24 hour period; 1100 pounds/year (500 kg/year) using a rolling total. (NSR Permit 1081-M1-R3, Specific Condition 1.c.)	Weld cutting, weld dressing, metallography, and electric furnace operations shall be controlled with 4 HEPA filters with a control efficiency of 99.95% each. (NSR Permit 1081-M1-R1, Condition 3, 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)		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)
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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	Generate and maintain beryllium inventory records to demonstrate compliance

Technology Facility TA-3-141	<p>with the 10,000 pounds of beryllium per calendar year and the 1000 pounds of beryllium per day processing limit.</p> <p>Record pressure drop across the cartridge and HEPA filters once per day that the exhaust fans are in operation and the facility is occupied.</p> <p>Record control equipment maintenance and repair activities. (NSR permit 634-M2)</p>
Target Fabrication Facility TA-35-213	Recordkeeping for this source is specified in Condition A707.B.
Plutonium Facility TA-55-PF4	<p>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.</p> <p>(NSR Permit 1081-M1-R3, Condition 9, partial, revised)</p> <p>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.</p> <p>(NSR Permit 1081-M1-R1, Condition 3, partial, revised)</p> <p>A log of the filter replacement shall be kept and shall be made available to the Department personnel upon request.</p> <p>(NSR Permit 1081-M1-R1, Condition 3, partial, revised)</p> <p>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.</p> <p>(NSR Permit 1081-M1-R3, Condition 9, partial, revised)</p> <p>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.</p> <p>(NSR Permit 1081-M1-R6, Condition 9, partial, revised)</p> <p>A record of the furnace's internal volume shall be maintained at the facility.</p> <p>(NSR Permit 1081-M1-R6, Condition 9, partial, revised)</p>

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	<p>Anticipated date of initial startup of each new or modified source not less than thirty (30) days prior to the date.</p> <p>Actual date of initial startup of each new or modified source within fifteen (15) days after the startup date.</p> <p>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.</p>

	<p>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.</p> <p>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.</p> <p>The permittee shall submit reports described in Section A109 and in accordance with Section B110.</p>
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	<p>Stack emission test results and facility operating parameters will be made available to Department personnel upon request.</p> <p>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.</p> <p>The permittee shall submit reports described in Section A109 and in accordance with Section B110.</p>
<p>Has this reporting requirement been met during this reporting period with a separate report submittal? Answer Yes or No below.</p>	
<p><input type="checkbox"/> Yes Date report submitted: Tracking Number:</p>	
<p><input checked="" type="checkbox"/> No Provide comments and identify any supporting documentation as an attachment.</p>	
<p>Comments: A707.A Operational Requirements - Beryllium Activities:</p> <p>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.</p> <p>TA-3-141 - The continuous emission monitor is maintained in accordance with the Laboratory's quality program. Records of beryllium process records are available on-site for inspection. No process limits were exceeded during this reporting period.</p> <p>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 then through the HEPA filtration system. Metallographic preparations activities are conducted in lubricating baths or equivalent.</p> <p>TA-35-213 - All processes are exhausted through a HEPA filtration system prior to entering the atmosphere.</p> <p>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 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.</p> <p>No process limits were exceeded during this reporting period.</p>	

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 monitoring 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 available 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 in operation.

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 electric furnace did not operate during this certification 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 and are provided in ATTACHMENT A707.C.b. 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:

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 report was submitted on April 10, 2015 (SBR20150005) for this reporting period (March through June 2015).

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: 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) standard cubic feet.

Emission and monitoring reports are submitted on a 6-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: 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) 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. A copy of the transportation contract and purchase contract are kept on site. No fuel oil was purchased during this reporting period.

Emission and monitoring reports are submitted on a 6-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

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: 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. Opacity did not exceed 20% over a 10-minute period and no visible emissions were observed during steady state operations during this reporting period.

The natural gas combusted by all boilers at LANL meets the requirement at Condition 805.A.

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

Emission and monitoring reports are submitted on a 6-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

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: 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. Opacity did not exceed 20% over a 10-minute period and no visible emissions were observed during steady state operations during this reporting period.

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

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

Emission and monitoring reports are submitted on a 6-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: 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. Visible emissions did not exceed 20% opacity during this reporting period.

An opacity observation is taken each day fuel oil is used. A standard form is used for all opacity measurements. The 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.

Emission and monitoring reports are submitted on a 6-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

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: 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 total are provided in ATTACHMENT A807.A.

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

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. The emission rate is calculated every 6 months and annually for this source category and compared to the limits. Records are maintained in accordance with Section B109.

Emission and monitoring reports are submitted on a 6-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:

Monitoring:

- 1) A totalizing flow meter is in place and measures natural gas used by the CMRR boilers. The natural gas fuel use data is provided in ATTACHMENT A807.A
- 2) Daily fuel oil consumption is monitored using meters located on each boiler. The fuel use readings are monitored by facility personnel. No fuel oil was burned during this reporting period.
- 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 monitored.

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 6-month and annual basis for each fuel type and for both fuels combined. Emissions are compared to permit limits. This data is 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 condition A804.B.
- 4) Records are maintained in accordance with condition B109.

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, and RLUOB-BHW-1 through -3 meet the requirements of 40CFR Part 60, Subparts A and Dc. Notification requirements were met through source startup notifications and initial permit applications.

Monitoring: The amount of fuel combusted is monitored and recorded on a monthly basis. Fuel sulfur requirements and tracking are 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 and fuel use records are maintained on site for at least 5 years as required by the operating permit.

Reporting: Emission and monitoring reports are submitted on a 6-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: The Laboratory purchases fuel oil with ultra low sulfur content; fuel oil was not combusted during this certification period.

RLUOB-BHW-4 has not been purchased. When purchased and installed, the requirements, monitoring, recordkeeping and reporting will be conducted in accordance with the requirements listed in permit P100-R2.

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: This unit has not been purchased. Once purchased and installed, the requirements, monitoring, recordkeeping and reporting will be conducted in accordance with the requirements listed in permit P100-R2.

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:** Mar 14, 2015 **Tracking Number:**
SBR20150006

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

Comments:

Monitoring: LANL conducts annual operational inspections on the permitted boilers listed in the current permit. No operational inspections were conducted during this monitoring period (ATTACHMENT A807.F.). The annual operational inspections for the boilers located at TA-16, RLUOB, TA-53, and TA-55 are scheduled for the second half of 2015.

Recordkeeping: The records of operational inspections and results are maintained in the compliance folders and an e-file maintained on the air quality site.

Reporting: LANL submitted a procedure that will be used to carry out the operational inspections. This procedure was submitted on May 13, 2015 within 90 days after permit issuance.

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:** **Tracking Number:**

☒ **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: Facility wide chemical purchase records are collected in LANL's ChemLog database and used to calculate emissions. Chemical emission information is submitted to NMED every 6-months in accordance with permit condition A109.B. The Semi-Annual Emissions Report for the second half of 2014 (July 1 – December 31) was submitted to NMED on March 24, 2015, 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 HAP emissions are calculated, recorded, and reported on a 6-month basis in accordance with permit conditions A109.B, B109, and B110. The semi-annual emission 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: The CMRR-CHEM facility laboratory activities started operations in May 2014. Chemical purchasing for the facility are monitored using an electronic chemical tracking system (ChemLog). Records of chemical purchases for the reporting period are provided in Attachment A907.B.a

Monitoring: 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: Emission and monitoring reports are submitted on a 6-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:

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.
- 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 checklist is provided in ATTACHMENT A1007.A.b.
- 4) Records for this source category are maintained in accordance with Section B109.

Emission and monitoring reports are submitted on a 6-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 operated only 2.5 hours during this reporting period for maintenance purposes. Emissions are below the limits stated in Table 1102.A. in NSR permit 2195F-R4

Monitoring: The operations are monitored each day and the generator is equipped with a non-resettable hour meter. The purpose of equipment use at TA-33 and other site(s) 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.

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:

Monitoring: The hour readings are collected twice a year to verify the hour limit is not being 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 through -4 are calculated and recorded semi-annually.
- 3) Certificates of compliance with applicable non-road emission standards are maintained on site.

Reporting: Emission and monitoring reports are submitted on a 6-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.

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 with the Laboratory to only purchase ULSD, which is less than 15 ppm sulfur.

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

Reporting: Emission and monitoring reports are submitted on a 6-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.

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 unit subject to requirements in this section exceeded 20% opacity during this certification period.

Monitoring: 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 5 years of the issuance date of the operating permit P100-R1-M1 issued June 15, 2012 when this requirement was first included.

The combustion units operated less than 10% during this reporting period. Therefore, opacity measurements were not required during this monitoring period (ATTACHMENT A1106.A.).

Recordkeeping: Records are maintained in accordance with Section B109.

Reporting: Emission and monitoring reports are submitted on a 6-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 contract and policy of purchasing ULSD. §60.4211 (a) (b) and (f) - Manufacturer's certifications for nonroad engine are at site to demonstrate compliance with emission standards; Maintenance checks and readiness testing of such units is limited to 100 hours per year per §60.4211(f).

Recordkeeping: Hours of nonemergency 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 maintenance and readiness checks.

Reporting: Hours of operations are reported in accordance with Section B110.

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 contract and policy of purchasing ULSD. §60.4211 (a) (b) and (f) - Manufacturer's certifications for nonroad engine are on site to demonstrate the compliance with standards; maintenance checks and readiness testing of such units is limited to 100 hours per year per §60.4211(f).

Recordkeeping: Hours of nonemergency 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 maintenance and readiness checks.

Reporting: Hours of operations are reported in accordance with Section B110.

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.

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: Emission and monitoring reports are submitted on a 6-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

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: Preventative 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 are also available on site. Records are maintained in accordance with Section B109.

Reporting: Emission and monitoring reports are submitted on a 6-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 records have been generated.

Reporting: Emission and monitoring reports are submitted on a 6-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

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) 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 during this reporting period.

Reporting: Emission and monitoring reports are submitted on a 6-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) standard cubic feet.

Recordkeeping: The transportation contract is kept on site.

Reporting: Emission and monitoring reports are submitted on a 6-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. The opacity limit was not exceeded during this reporting period.

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.

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

Reporting: Emission and monitoring reports are submitted on a 6-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: No fuel oil was combusted during this reporting period. 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. The opacity limit was not exceeded during this reporting period.

Monitoring: Opacity is read at least once a 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. No fuel oil was burned, and therefore no opacity readings were required or taken during this reporting period.

Recordkeeping: Records are maintained in accordance with Section B109.

Reporting: Emission and monitoring reports are submitted on a 6-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 Table 1302.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 NO_x 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: All emission calculations required by this section are performed for the emission units listed. The emission units did not exceed the hourly or annual emission limits.

Emission 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.3 - The units are based on the emission factor for NO_x (lbs/MMscf), which is converted to lbs/MMBtu by dividing by 1020 (standard number of MMBtu in an MMscf). The NO_x emission rate is a constant of 0.057 lbs/MMBtu unless the Btu value of the fuel changes significantly.

Records are maintained in accordance with Section B109.

Emission and monitoring reports are submitted on a 6-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 Condition 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 1000 MMscf or 500,000 gallons of fuel oil in any 12- month period. All fuel use data is 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 1307.B. Records are maintained in accordance with Section B109.

Reporting: Emission and monitoring reports are submitted on a 6-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.

Emission and monitoring reports are submitted on a 6-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 reporting period. Load range is calculated by the turbine operating system and is manually recorded each hour during operation. Daily operating logs showing the generator output/load are provided in ATTACHMENT 1307.D Startup/shutdown procedures are in place and 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.

The unit did not operate outside of the required load range during this reporting period. No malfunctions occurred during this reporting period.

Recordkeeping: Records are maintained in accordance with Section B109.

Reporting: Emission and monitoring reports are submitted on a 6-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 in operation, the associated Flue Gas Recirculation (FGR) fan is on. A fan speed indicator is located on the control panel in 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: Emission and monitoring reports are submitted on a 6-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 is available on the DLE system.

Records are maintained in accordance with Section B109.

Emission and monitoring reports are submitted on a 6-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 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 below in monitoring and reporting sections below.

Monitoring: An annual emission stack was conducted on December 16, 2014; 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.). The 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 and are not conducted within a calendar quarter of each other. 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 is 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 6-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.

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**[illegible]

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.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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.	<input type="checkbox"/> Yes <input type="checkbox"/> 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								<input type="checkbox"/> Yes <input type="checkbox"/> No
2								<input type="checkbox"/> Yes <input type="checkbox"/> No
3								<input type="checkbox"/> Yes <input type="checkbox"/> No
4								<input type="checkbox"/> Yes <input type="checkbox"/> No
5								<input type="checkbox"/> Yes <input type="checkbox"/> No

Monitoring Report Attachments – P100-R2

ATTACHMENT A113	MDA-L Soil Vapor Extraction Monitoring Data
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 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 A807.A.	External Combustion - Natural Gas Usage and Rolling 12-Month Total
ATTACHMENT A807.F.	External Combustion – Boiler Annual Inspections
ATTACHMENT A907.A.	Chemical Usage - Chemical Purchases (From ChemLog)
ATTACHMENT A907.B.a.	Chemical Usage – CMRR-CHEM Chemical Purchases (From ChemLog)
ATTACHMENT A907.B.b.	Chemical Usage – CMRR-CHEM Chemical Quantity Total
ATTACHMENT A1007.A.a.	Degreaser - Degreaser Solvent Usage (From Tracking Database)
ATTACHMENT A1007.A.b.	Degreaser - Sample Work Practice Checklist
ATTACHMENT A1104.A.	Internal Combustion - TA-33-G-1P Daily Operating Logs
ATTACHMENT A1104.B.	Internal Combustion - Permitted Generator Hours
ATTACHMENT A1106.A.	Internal Combustion - Method 9 Opacity Reports
ATTACHMENT A1207.A.	Data Disintegrator - Operating Logs
ATTACHMENT A1207.B.	Data Disintegrator - Maintenance Performed
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

Monitoring Report Attachments – P100-R2

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 A113

MDA-L Soil Vapor Extraction Monitoring Data

LANL TA-54 MDA-L Soil Vapor Extraction System (SVE)

The Soil Vapor Extraction (SVE) units at LANL's TA-54 MDA-L site were granted a "No Permit Required" determination from NMED-AQB on May 29, 2014 and were issued Air Quality No Permit Required (NPR) No. 2195L-R1. This monitoring data satisfies Condition A113.A(1) and A(2) of Title V Permit P100-R2.

Both SVE units pull soil vapor from extraction wells with boreholes open from 65 to 215 feet below ground surface, and discharge through stacks located 21 feet above ground surface.

SVE-West began operation on January 9, 2015, operated at an average flow rate of 99.37 CFM, and ran 98.6 percent of the available time during this reporting period (Jan-June 30, 2015). SVE-East began operation on January 26, 2015, operated at an average flow rate of 97.30 CFM, and ran 99.4 percent of the available time.

Stack Sampling

In-stack sampling systems are included in both stacks. A B&K instrument was used for the first few months, and was replaced with an Innova sampling instrument. The Innova instrument is a modern updated version of the B&K instrument. Both instruments provide real-time screening for a maximum of four analytes (TCA, TCE, Freon-11, PCE). Data from these systems is not complete for all compounds of interest.

SUMMA canister sampling is performed on a regular schedule in both stacks for all compounds of interest. All SVE SUMMA samples are analyzed by an independent analytical laboratory, Eurofins Air Toxics, Inc., using EPA TO15 method. The data are collected in the Environmental Information System database EIM. The EIM is an official database for environmental data for both LANL and NMED.

Calculations

Emissions reported are calculated from the quality assured SUMMA measurements. The calculations are based on two principles: the numerical integration of the data and the interpolation of the results to the desired date. Numerical integration is based on the trapezoid method and the interpolation is always linear. No results are extrapolated beyond the last measurement.

Results

The attached table provides cumulative results for each month for the period from January – June 30, 2015 for individual HAPs and VOCs and total HAPs and VOCs. For this 6 month period total HAPs are 747 lbs and total VOC are 291 lbs. Because some compounds are both a VOC and a HAP, total emissions are less than adding these values and are shown in the table as 831.8 total pounds for all compounds. In the table, cumulative values are shown. Individual monthly emissions diminished over the reporting period as soil pore gas concentrations were lowered by the SVE systems.

MDA-L SVE Monthly Cumulative Summary of SUMMA Canister Sampling

PARAMETER_NAME	PARAMETER_CODE	HAP	VOC	Cumulative Total Pounds through 2/1/2015	Cumulative Total Pounds through 3/1/2015	Cumulative Total Pounds through 4/1/2015	Cumulative Total Pounds through 5/1/2015	Cumulative Total Pounds through 6/1/2015	Cumulative Total Pounds through 7/1/2015
Acetone	67-64-1	--	--	0.010	0.010	0.010	0.010	0.010	0.010
Benzene	71-43-2	X	X	0.029	0.157	0.271	0.345	0.429	0.509
Benzyl Chloride	100-44-7	X	X	0	0	0	0	0	0
Bromodichloromethane	75-27-4	X	X	0	0	0	0	0	0
Bromoform	75-25-2	X	X	0	0	0	0	0	0
Bromomethane	74-83-9	X	X	0	0	0	0	0	0
Butadiene[1,3-]	106-99-0	X	X	0	0	0	0	0	0
Butanone[2-]	78-93-3	X	X	0	0	0	0	0	0
Carbon Disulfide	75-15-0	X	--	0	0	0	0	0	0
Carbon Tetrachloride	56-23-5	X	X	0.319	0.719	1.052	1.345	1.597	1.803
Chloro-1-propene[3-]	107-05-1	X	X	0	0	0	0	0	0
Chlorobenzene	108-90-7	X	X	0	0	0.004	0.004	0.010	0.024
Chlorodibromomethane	124-48-1	--	X	0	0	0	0	0	0
Chloroethane	75-00-3	X	X	0	0	0	0	0	0
Chloroform	67-66-3	X	X	3.004	6.645	9.756	12.226	14.491	16.478
Chloromethane	74-87-3	X	X	0	0	0	0	0	0
Cyclohexane	110-82-7	--	X	0	0	0	0	0	0
Dibromoethane[1,2-]	106-93-4	X	X	0	0	0	0	0	0
Dichloro-1,1,2,2-tetrafluoroethane[1,2-]	76-14-2	--	--	0	0	0	0	0	0
Dichlorobenzene[1,2-]	95-50-1	--	X	0	0	0	0	0	0
Dichlorobenzene[1,3-]	541-73-1	--	X	0	0	0	0	0	0
Dichlorobenzene[1,4-]	106-46-7	X	X	0	0	0	0	0	0
Dichlorodifluoromethane	75-71-8	--	--	0.270	0.586	0.846	1.046	1.236	1.403
Dichloroethane[1,1-]	75-34-3	X	X	2.363	5.062	7.253	9.028	10.676	12.037
Dichloroethane[1,2-]	107-06-2	X	X	8.164	14.285	19.744	24.514	28.899	32.590
Dichloroethene[1,1-]	75-35-4	X	X	2.682	7.404	11.398	14.669	17.892	21.229
Dichloroethene[cis-1,2-]	156-59-2	--	X	0	0	0	0	0	0
Dichloroethene[trans-1,2-]	156-60-5	--	X	0	0	0	0	0	0
Dichloropropane[1,2-]	78-87-5	X	X	1.328	5.669	9.611	12.857	15.952	18.599
Dichloropropene[cis-1,3-]	10061-01-5	X	X	0	0	0	0	0	0
Dichloropropene[trans-1,3-]	10061-02-6	--	X	0	0	0	0	0	0
Dioxane[1,4-]	123-91-1	X	X	0.101	0.362	0.828	1.377	2.015	2.670
Ethanol	64-17-5	--	X	0	0.007	0.007	0.043	0.050	0.050
Ethylbenzene	100-41-4	X	X	0	0	0	0	0	0
Ethyltoluene[4-]	622-96-8	--	X	0	0	0	0	0	0
Hexachlorobutadiene	87-68-3	X	X	0	0	0	0	0	0
Hexane	110-54-3	X	X	0	0.046	0.046	0.046	0.046	0.046
Hexanone[2-]	591-78-6	--	X	0	0	0	0	0	0
Isooctane	540-84-1	X	X	0	0.017	0.133	0.133	0.157	0.186
Isopropylbenzene	98-82-8	X	X	0	0	0	0	0	0
Methyl tert-Butyl Ether	1634-04-4	X	X	0	0	0	0	0	0
Methyl-2-pentanone[4-]	108-10-1	X	X	0	0	0	0	0	0
Methylene Chloride	75-09-2	X	--	1.026	3.360	5.509	7.451	9.320	10.942
n-Heptane	142-82-5	--	X	0	0.022	0.022	0.022	0.022	0.022
Propanol[2-]	67-63-0	--	X	0	0	0	0	0	0
Propylbenzene[1-]	103-65-1	--	X	0	0	0	0	0	0
Styrene	100-42-5	X	X	0	0	0	0	0	0

MDA-L SVE Monthly Cumulative Summary of SUMMA Canister Sampling

PARAMETER_NAME	PARAMETER_CODE	HAP	VOC	Cumulative Total Pounds through 2/1/2015	Cumulative Total Pounds through 3/1/2015	Cumulative Total Pounds through 4/1/2015	Cumulative Total Pounds through 5/1/2015	Cumulative Total Pounds through 6/1/2015	Cumulative Total Pounds through 7/1/2015
Tetrachloroethane[1,1,2,2-]	79-34-5	x	x	0	0	0	0	0	0
Tetrachloroethene	127-18-4	x	--	11.458	25.278	38.761	50.620	62.059	72.157
Tetrahydrofuran	109-99-9	--	x	0.042	0.160	0.290	0.391	0.532	0.667
Toluene	108-88-3	x	x	0.057	0.289	0.529	0.752	0.987	1.193
Trichloro-1,2,2-trifluoroethane[1,1,2-]	76-13-1	--	--	8.632	27.928	43.379	56.045	67.492	77.960
Trichlorobenzene[1,2,4-]	120-82-1	x	x	0	0	0	0	0	0
Trichloroethane[1,1,1-]	71-55-6	x	--	61.382	144.988	216.434	274.933	327.943	374.002
Trichloroethane[1,1,2-]	79-00-5	x	x	0	0	0	0	0	0
Trichloroethene	79-01-6	x	x	41.494	78.906	110.707	136.865	161.166	182.649
Trichlorofluoromethane	75-69-4	--	--	0.539	1.604	2.501	3.263	3.932	4.521
Trimethylbenzene[1,2,4-]	95-63-6	--	x	0	0	0	0	0	0
Trimethylbenzene[1,3,5-]	108-67-8	--	x	0	0	0	0	0	0
Vinyl Chloride	75-01-4	x	x	0	0	0	0	0	0
Xylenes[1,2-]	95-47-6	x	x	0	0	0	0	0	0
Xylenes[1,3-]+Xylenes[1,4-]	Xylenes[m+p]	x	x	0.009	0.024	0.040	0.051	0.061	0.079
Total all Compounds Detected (lbs)				142.909	323.527	479.130	608.037	726.975	831.828
Total HAPs (lbs)		Total HAPs		133.417	293.210	432.075	547.216	653.701	747.194
Total VOC (lbs)		Total VOC		59.592	119.773	171.690	214.669	254.984	290.833

ATTACHMENT A607.A.

Asphalt Plant

Differential Pressure Records

PRP 600233DIFFPRES

PRP-Profile Report Program

1 Point found

Acronym :

Reporting on 1 point

Start Time [0:00:00] :

Stop Time [23:59:59] :

Increment (xx[S/M/H/D 2M

Date	Time	DiffPress inches	Available U=unavailable	Operator Log Time	Comment
2-Mar-15	10:50:00	2.36		Hours of Operation 2 Mar 2015 10:50-11:24 AM	Datalogger operated continuously
2-Mar-15	10:52:00	2.39		Hours of Operation 2 Mar 2015 10:50-11:24 AM	Datalogger operated continuously
2-Mar-15	10:54:00	2.77		Hours of Operation 2 Mar 2015 10:50-11:24 AM	Datalogger operated continuously
2-Mar-15	10:56:00	3.21		Hours of Operation 2 Mar 2015 10:50-11:24 AM	Datalogger operated continuously
2-Mar-15	10:58:00	3.37		Hours of Operation 2 Mar 2015 10:50-11:24 AM	Datalogger operated continuously
2-Mar-15	11:00:00	3.37		Hours of Operation 2 Mar 2015 10:50-11:24 AM	Datalogger operated continuously
2-Mar-15	11:02:00	3.64		Hours of Operation 2 Mar 2015 10:50-11:24 AM	Datalogger operated continuously
2-Mar-15	11:04:00	3.64		Hours of Operation 2 Mar 2015 10:50-11:24 AM	Datalogger operated continuously
2-Mar-15	11:06:00	3.69		Hours of Operation 2 Mar 2015 10:50-11:24 AM	Datalogger operated continuously
2-Mar-15	11:08:00	3.92		Hours of Operation 2 Mar 2015 10:50-11:24 AM	Datalogger operated continuously
2-Mar-15	11:10:00	4.16		Hours of Operation 2 Mar 2015 10:50-11:24 AM	Datalogger operated continuously
2-Mar-15	11:12:00	4.15		Hours of Operation 2 Mar 2015 10:50-11:24 AM	Datalogger operated continuously
2-Mar-15	11:14:00	3.9		Hours of Operation 2 Mar 2015 10:50-11:24 AM	Datalogger operated continuously
2-Mar-15	11:16:00	0.35		Hours of Operation 2 Mar 2015 10:50-11:24 AM	Datalogger operated continuously
2-Mar-15	11:18:00	0		Hours of Operation 2 Mar 2015 10:50-11:24 AM	Datalogger operated continuously
2-Mar-15	11:20:00	0		Hours of Operation 2 Mar 2015 10:50-11:24 AM	Datalogger operated continuously
2-Mar-15	11:22:00	0.07		Hours of Operation 2 Mar 2015 10:50-11:24 AM	Datalogger operated continuously
2-Mar-15	11:24:00	0.12		Hours of Operation 2 Mar 2015 10:50-11:24 AM	Datalogger operated continuously
3-Mar-15	9:06:00	3.8		Hours of Operation 3 Mar 2015 9:07-9:38 AM	Datalogger operated continuously
3-Mar-15	9:08:00	3.81		Hours of Operation 3 Mar 2015 9:07-9:38 AM	Datalogger operated continuously
3-Mar-15	9:10:00	3.81		Hours of Operation 3 Mar 2015 9:07-9:38 AM	Datalogger operated continuously
3-Mar-15	9:12:00	3.81		Hours of Operation 3 Mar 2015 9:07-9:38 AM	Datalogger operated continuously
3-Mar-15	9:14:00	3.81		Hours of Operation 3 Mar 2015 9:07-9:38 AM	Datalogger operated continuously
3-Mar-15	9:16:00	3.81		Hours of Operation 3 Mar 2015 9:07-9:38 AM	Datalogger operated continuously

3-Mar-15	9:18:00	3.71	Hours of Operation 3 Mar 2015 9:07-9:38 AM	Datalogger operated continuously
3-Mar-15	9:20:00	3.56	Hours of Operation 3 Mar 2015 9:07-9:38 AM	Datalogger operated continuously
3-Mar-15	9:22:00	3.58	Hours of Operation 3 Mar 2015 9:07-9:38 AM	Datalogger operated continuously
3-Mar-15	9:24:00	3.9	Hours of Operation 3 Mar 2015 9:07-9:38 AM	Datalogger operated continuously
3-Mar-15	9:26:00	4.07	Hours of Operation 3 Mar 2015 9:07-9:38 AM	Datalogger operated continuously
3-Mar-15	9:28:00	3.92	Hours of Operation 3 Mar 2015 9:07-9:38 AM	Datalogger operated continuously
3-Mar-15	9:30:00	3.81	Hours of Operation 3 Mar 2015 9:07-9:38 AM	Datalogger operated continuously
3-Mar-15	9:32:00	2.56	Hours of Operation 3 Mar 2015 9:07-9:38 AM	Datalogger operated continuously
3-Mar-15	9:34:00	0.1	Hours of Operation 3 Mar 2015 9:07-9:38 AM	Datalogger operated continuously
3-Mar-15	9:36:00	0.1	Hours of Operation 3 Mar 2015 9:07-9:38 AM	Datalogger operated continuously
3-Mar-15	9:38:00	0.1	Hours of Operation 3 Mar 2015 9:07-9:38 AM	Datalogger operated continuously
4-Mar-15	9:22:00	4.55	Hours of Operation 4 Mar 2015 9:23-9:59 AM	Datalogger operated continuously
4-Mar-15	9:24:00	3.93	Hours of Operation 4 Mar 2015 9:23-9:59 AM	Datalogger operated continuously
4-Mar-15	9:26:00	3.66	Hours of Operation 4 Mar 2015 9:23-9:59 AM	Datalogger operated continuously
4-Mar-15	9:28:00	3.52	Hours of Operation 4 Mar 2015 9:23-9:59 AM	Datalogger operated continuously
4-Mar-15	9:30:00	3.63	Hours of Operation 4 Mar 2015 9:23-9:59 AM	Datalogger operated continuously
4-Mar-15	9:32:00	4.08	Hours of Operation 4 Mar 2015 9:23-9:59 AM	Datalogger operated continuously
4-Mar-15	9:34:00	4.07	Hours of Operation 4 Mar 2015 9:23-9:59 AM	Datalogger operated continuously
4-Mar-15	9:36:00	3.82	Hours of Operation 4 Mar 2015 9:23-9:59 AM	Datalogger operated continuously
4-Mar-15	9:38:00	4.67	Hours of Operation 4 Mar 2015 9:23-9:59 AM	Datalogger operated continuously
4-Mar-15	9:40:00	5.08	Hours of Operation 4 Mar 2015 9:23-9:59 AM	Datalogger operated continuously
4-Mar-15	9:42:00	5.25	Hours of Operation 4 Mar 2015 9:23-9:59 AM	Datalogger operated continuously
4-Mar-15	9:44:00	4.9	Hours of Operation 4 Mar 2015 9:23-9:59 AM	Datalogger operated continuously
4-Mar-15	9:46:00	3.86	Hours of Operation 4 Mar 2015 9:23-9:59 AM	Datalogger operated continuously
4-Mar-15	9:48:00	3.9	Hours of Operation 4 Mar 2015 9:23-9:59 AM	Datalogger operated continuously
4-Mar-15	9:50:00	1.93	Hours of Operation 4 Mar 2015 9:23-9:59 AM	Datalogger operated continuously
4-Mar-15	9:52:00	0	Hours of Operation 4 Mar 2015 9:23-9:59 AM	Datalogger operated continuously
4-Mar-15	9:54:00	0	Hours of Operation 4 Mar 2015 9:23-9:59 AM	Datalogger operated continuously
4-Mar-15	9:56:00	0	Hours of Operation 4 Mar 2015 9:23-9:59 AM	Datalogger operated continuously
4-Mar-15	9:58:00	0.05	Hours of Operation 4 Mar 2015 9:23-9:59 AM	Datalogger operated continuously
4-Mar-15	10:00:00	0.13	Hours of Operation 4 Mar 2015 9:23-9:59 AM	Datalogger operated continuously
5-Mar-15	11:04:00	3.3	Hours of Operation 5 Mar 2015 11:05-11:48 AM	Datalogger operated continuously
5-Mar-15	11:06:00	3.3	Hours of Operation 5 Mar 2015 11:05-11:48 AM	Datalogger operated continuously
5-Mar-15	11:08:00	3.3	Hours of Operation 5 Mar 2015 11:05-11:48 AM	Datalogger operated continuously

5-Mar-15	11:10:00	3.3	Hours of Operation 5 Mar 2015 11:05-11:48 AM	Datalogger operated continuously
5-Mar-15	11:12:00	3.46	Hours of Operation 5 Mar 2015 11:05-11:48 AM	Datalogger operated continuously
5-Mar-15	11:14:00	3.9	Hours of Operation 5 Mar 2015 11:05-11:48 AM	Datalogger operated continuously
5-Mar-15	11:16:00	4.22	Hours of Operation 5 Mar 2015 11:05-11:48 AM	Datalogger operated continuously
5-Mar-15	11:18:00	4.51	Hours of Operation 5 Mar 2015 11:05-11:48 AM	Datalogger operated continuously
5-Mar-15	11:20:00	4.42	Hours of Operation 5 Mar 2015 11:05-11:48 AM	Datalogger operated continuously
5-Mar-15	11:22:00	4.1	Hours of Operation 5 Mar 2015 11:05-11:48 AM	Datalogger operated continuously
5-Mar-15	11:24:00	4.21	Hours of Operation 5 Mar 2015 11:05-11:48 AM	Datalogger operated continuously
5-Mar-15	11:26:00	4.22	Hours of Operation 5 Mar 2015 11:05-11:48 AM	Datalogger operated continuously
5-Mar-15	11:28:00	3.82	Hours of Operation 5 Mar 2015 11:05-11:48 AM	Datalogger operated continuously
5-Mar-15	11:30:00	3.57	Hours of Operation 5 Mar 2015 11:05-11:48 AM	Datalogger operated continuously
5-Mar-15	11:32:00	3.67	Hours of Operation 5 Mar 2015 11:05-11:48 AM	Datalogger operated continuously
5-Mar-15	11:34:00	4.03	Hours of Operation 5 Mar 2015 11:05-11:48 AM	Datalogger operated continuously
5-Mar-15	11:36:00	3.89	Hours of Operation 5 Mar 2015 11:05-11:48 AM	Datalogger operated continuously
5-Mar-15	11:38:00	4.1	Hours of Operation 5 Mar 2015 11:05-11:48 AM	Datalogger operated continuously
5-Mar-15	11:40:00	4.33	Hours of Operation 5 Mar 2015 11:05-11:48 AM	Datalogger operated continuously
5-Mar-15	11:42:00	4.3	Hours of Operation 5 Mar 2015 11:05-11:48 AM	Datalogger operated continuously
5-Mar-15	11:44:00	3.71	Hours of Operation 5 Mar 2015 11:05-11:48 AM	Datalogger operated continuously
5-Mar-15	11:46:00	0	Hours of Operation 5 Mar 2015 11:05-11:48 AM	Datalogger operated continuously
5-Mar-15	11:48:00	0	Hours of Operation 5 Mar 2015 11:05-11:48 AM	Datalogger operated continuously
6-Mar-15	9:36:00	4.52	Hours of Operat ion 6 Mar 2015 9:37-9:56 AM	Datalogger operated continuously
6-Mar-15	9:38:00	4.75	Hours of Operat ion 6 Mar 2015 9:37-9:56 AM	Datalogger operated continuously
6-Mar-15	9:40:00	5	Hours of Operat ion 6 Mar 2015 9:37-9:56 AM	Datalogger operated continuously
6-Mar-15	9:42:00	5.16	Hours of Operat ion 6 Mar 2015 9:37-9:56 AM	Datalogger operated continuously
6-Mar-15	9:44:00	4.97	Hours of Operat ion 6 Mar 2015 9:37-9:56 AM	Datalogger operated continuously
6-Mar-15	9:46:00	4.86	Hours of Operat ion 6 Mar 2015 9:37-9:56 AM	Datalogger operated continuously
6-Mar-15	9:48:00	0.88	Hours of Operat ion 6 Mar 2015 9:37-9:56 AM	Datalogger operated continuously
6-Mar-15	9:48:00	0.88	Hours of Operat ion 6 Mar 2015 9:37-9:56 AM	Datalogger operated continuously
6-Mar-15	9:50:00	0	Hours of Operat ion 6 Mar 2015 9:37-9:56 AM	Datalogger operated continuously
6-Mar-15	9:52:00	0	Hours of Operat ion 6 Mar 2015 9:37-9:56 AM	Datalogger operated continuously
6-Mar-15	9:54:00	0	Hours of Operat ion 6 Mar 2015 9:37-9:56 AM	Datalogger operated continuously
6-Mar-15	9:56:00	0.18	Hours of Operat ion 6 Mar 2015 9:37-9:56 AM	Datalogger operated continuously
6-Mar-15	12:56:00	3.56	Hours of Operation 6 Mar 2015 12:56-1:36 PM	Datalogger operated continuously
6-Mar-15	12:58:00	3.31	Hours of Operation 6 Mar 2015 12:56-1:36 PM	Datalogger operated continuously

6-Mar-15	13:00:00	3.45	Hours of Operation 6 Mar 2015 12:56-1:36 PM	Datalogger operated continuously
6-Mar-15	13:02:00	3.69	Hours of Operation 6 Mar 2015 12:56-1:36 PM	Datalogger operated continuously
6-Mar-15	13:04:00	3.82	Hours of Operation 6 Mar 2015 12:56-1:36 PM	Datalogger operated continuously
6-Mar-15	13:06:00	3.82	Hours of Operation 6 Mar 2015 12:56-1:36 PM	Datalogger operated continuously
6-Mar-15	13:08:00	4.07	Hours of Operation 6 Mar 2015 12:56-1:36 PM	Datalogger operated continuously
6-Mar-15	13:10:00	4.08	Hours of Operation 6 Mar 2015 12:56-1:36 PM	Datalogger operated continuously
6-Mar-15	13:12:00	4.08	Hours of Operation 6 Mar 2015 12:56-1:36 PM	Datalogger operated continuously
6-Mar-15	13:14:00	4.08	Hours of Operation 6 Mar 2015 12:56-1:36 PM	Datalogger operated continuously
6-Mar-15	13:16:00	4.08	Hours of Operation 6 Mar 2015 12:56-1:36 PM	Datalogger operated continuously
6-Mar-15	13:18:00	3.74	Hours of Operation 6 Mar 2015 12:56-1:36 PM	Datalogger operated continuously
6-Mar-15	13:20:00	3.57	Hours of Operation 6 Mar 2015 12:56-1:36 PM	Datalogger operated continuously
6-Mar-15	13:22:00	3.57	Hours of Operation 6 Mar 2015 12:56-1:36 PM	Datalogger operated continuously
6-Mar-15	13:24:00	3.42	Hours of Operation 6 Mar 2015 12:56-1:36 PM	Datalogger operated continuously
6-Mar-15	13:26:00	3.31	Hours of Operation 6 Mar 2015 12:56-1:36 PM	Datalogger operated continuously
6-Mar-15	13:28:00	3.31	Hours of Operation 6 Mar 2015 12:56-1:36 PM	Datalogger operated continuously
6-Mar-15	13:30:00	3.31	Hours of Operation 6 Mar 2015 12:56-1:36 PM	Datalogger operated continuously
6-Mar-15	13:32:00	3.31	Hours of Operation 6 Mar 2015 12:56-1:36 PM	Datalogger operated continuously
6-Mar-15	13:34:00	3.31	Hours of Operation 6 Mar 2015 12:56-1:36 PM	Datalogger operated continuously
6-Mar-15	13:36:00	3.31	Hours of Operation 6 Mar 2015 12:56-1:36 PM	Datalogger operated continuously
9-Mar-15	12:00:00	2.23	Hours of Operation 9 Mar 2015 12:01-12:45 PM	Datalogger operated continuously
9-Mar-15	12:02:00	2.7	Hours of Operation 9 Mar 2015 12:01-12:45 PM	Datalogger operated continuously
9-Mar-15	12:04:00	2.91	Hours of Operation 9 Mar 2015 12:01-12:45 PM	Datalogger operated continuously
9-Mar-15	12:06:00	3.16	Hours of Operation 9 Mar 2015 12:01-12:45 PM	Datalogger operated continuously
9-Mar-15	12:08:00	3.18	Hours of Operation 9 Mar 2015 12:01-12:45 PM	Datalogger operated continuously
9-Mar-15	12:10:00	3.44	Hours of Operation 9 Mar 2015 12:01-12:45 PM	Datalogger operated continuously
9-Mar-15	12:12:00	3.59	Hours of Operation 9 Mar 2015 12:01-12:45 PM	Datalogger operated continuously
9-Mar-15	12:14:00	3.59	Hours of Operation 9 Mar 2015 12:01-12:45 PM	Datalogger operated continuously
9-Mar-15	12:16:00	3.19	Hours of Operation 9 Mar 2015 12:01-12:45 PM	Datalogger operated continuously
9-Mar-15	12:18:00	2.97	Hours of Operation 9 Mar 2015 12:01-12:45 PM	Datalogger operated continuously
9-Mar-15	12:20:00	2.92	Hours of Operation 9 Mar 2015 12:01-12:45 PM	Datalogger operated continuously
9-Mar-15	12:22:00	2.92	Hours of Operation 9 Mar 2015 12:01-12:45 PM	Datalogger operated continuously
9-Mar-15	12:24:00	2.8	Hours of Operation 9 Mar 2015 12:01-12:45 PM	Datalogger operated continuously
9-Mar-15	12:26:00	2.67	Hours of Operation 9 Mar 2015 12:01-12:45 PM	Datalogger operated continuously
9-Mar-15	12:28:00	2.67	Hours of Operation 9 Mar 2015 12:01-12:45 PM	Datalogger operated continuously

9-Mar-15	12:30:00	2.67	Hours of Operation 9 Mar 2015 12:01-12:45 PM	Datalogger operated continuously
9-Mar-15	12:32:00	2.67	Hours of Operation 9 Mar 2015 12:01-12:45 PM	Datalogger operated continuously
9-Mar-15	12:34:00	2.67	Hours of Operation 9 Mar 2015 12:01-12:45 PM	Datalogger operated continuously
9-Mar-15	12:36:00	1.75	Hours of Operation 9 Mar 2015 12:01-12:45 PM	Datalogger operated continuously
9-Mar-15	12:38:00	0	Hours of Operation 9 Mar 2015 12:01-12:45 PM	Datalogger operated continuously
9-Mar-15	12:40:00	0	Hours of Operation 9 Mar 2015 12:01-12:45 PM	Datalogger operated continuously
9-Mar-15	12:42:00	0	Hours of Operation 9 Mar 2015 12:01-12:45 PM	Datalogger operated continuously
9-Mar-15	12:44:00	0	Hours of Operation 9 Mar 2015 12:01-12:45 PM	Datalogger operated continuously
9-Mar-15	12:46:00	0	Hours of Operation 9 Mar 2015 12:01-12:45 PM	Datalogger operated continuously
10-Mar-15	9:16:00	3.14	Hours of Operation 10 Mar 2015 9:16-9:50 AM	Datalogger operated continuously
10-Mar-15	9:18:00	3.31	Hours of Operation 10 Mar 2015 9:16-9:50 AM	Datalogger operated continuously
10-Mar-15	9:20:00	3.31	Hours of Operation 10 Mar 2015 9:16-9:50 AM	Datalogger operated continuously
10-Mar-15	9:22:00	3.2	Hours of Operation 10 Mar 2015 9:16-9:50 AM	Datalogger operated continuously
10-Mar-15	9:24:00	3.06	Hours of Operation 10 Mar 2015 9:16-9:50 AM	Datalogger operated continuously
10-Mar-15	9:26:00	3.06	Hours of Operation 10 Mar 2015 9:16-9:50 AM	Datalogger operated continuously
10-Mar-15	9:28:00	3.06	Hours of Operation 10 Mar 2015 9:16-9:50 AM	Datalogger operated continuously
10-Mar-15	9:30:00	3.33	Hours of Operation 10 Mar 2015 9:16-9:50 AM	Datalogger operated continuously
10-Mar-15	9:32:00	3.42	Hours of Operation 10 Mar 2015 9:16-9:50 AM	Datalogger operated continuously
10-Mar-15	9:34:00	3.46	Hours of Operation 10 Mar 2015 9:16-9:50 AM	Datalogger operated continuously
10-Mar-15	9:36:00	3.68	Hours of Operation 10 Mar 2015 9:16-9:50 AM	Datalogger operated continuously
10-Mar-15	9:38:00	3.71	Hours of Operation 10 Mar 2015 9:16-9:50 AM	Datalogger operated continuously
10-Mar-15	9:40:00	3.93	Hours of Operation 10 Mar 2015 9:16-9:50 AM	Datalogger operated continuously
10-Mar-15	9:42:00	2.11	Hours of Operation 10 Mar 2015 9:16-9:50 AM	Datalogger operated continuously
10-Mar-15	9:44:00	0	Hours of Operation 10 Mar 2015 9:16-9:50 AM	Datalogger operated continuously
10-Mar-15	9:46:00	0.21	Hours of Operation 10 Mar 2015 9:16-9:50 AM	Datalogger operated continuously
10-Mar-15	9:48:00	0.47	Hours of Operation 10 Mar 2015 9:16-9:50 AM	Datalogger operated continuously
10-Mar-15	9:50:00	0.67	Hours of Operation 10 Mar 2015 9:16-9:50 AM	Datalogger operated continuously
10-Mar-15	12:50:00	2.91	Hours of operation 10 Mar 2015 12:50-1:31 PM	Datalogger operated continuously
10-Mar-15	12:52:00	3	Hours of operation 10 Mar 2015 12:50-1:31 PM	Datalogger operated continuously
10-Mar-15	12:54:00	3	Hours of operation 10 Mar 2015 12:50-1:31 PM	Datalogger operated continuously
10-Mar-15	12:56:00	3.1	Hours of operation 10 Mar 2015 12:50-1:31 PM	Datalogger operated continuously
10-Mar-15	12:58:00	3.25	Hours of operation 10 Mar 2015 12:50-1:31 PM	Datalogger operated continuously
10-Mar-15	13:00:00	3.2	Hours of operation 10 Mar 2015 12:50-1:31 PM	Datalogger operated continuously
10-Mar-15	13:02:00	3.13	Hours of operation 10 Mar 2015 12:50-1:31 PM	Datalogger operated continuously

10-Mar-15	13:04:00	3.26	Hours of operation 10 Mar 2015 12:50-1:31 PM	Datalogger operated continuously
10-Mar-15	13:06:00	3.26	Hours of operation 10 Mar 2015 12:50-1:31 PM	Datalogger operated continuously
10-Mar-15	13:08:00	3.26	Hours of operation 10 Mar 2015 12:50-1:31 PM	Datalogger operated continuously
10-Mar-15	13:10:00	3.12	Hours of operation 10 Mar 2015 12:50-1:31 PM	Datalogger operated continuously
10-Mar-15	13:12:00	2.86	Hours of operation 10 Mar 2015 12:50-1:31 PM	Datalogger operated continuously
10-Mar-15	13:14:00	2.76	Hours of operation 10 Mar 2015 12:50-1:31 PM	Datalogger operated continuously
10-Mar-15	13:16:00	2.76	Hours of operation 10 Mar 2015 12:50-1:31 PM	Datalogger operated continuously
10-Mar-15	13:18:00	2.76	Hours of operation 10 Mar 2015 12:50-1:31 PM	Datalogger operated continuously
10-Mar-15	13:20:00	2.76	Hours of operation 10 Mar 2015 12:50-1:31 PM	Datalogger operated continuously
10-Mar-15	13:22:00	1.46	Hours of operation 10 Mar 2015 12:50-1:31 PM	Datalogger operated continuously
10-Mar-15	13:24:00	0	Hours of operation 10 Mar 2015 12:50-1:31 PM	Datalogger operated continuously
10-Mar-15	13:26:00	0	Hours of operation 10 Mar 2015 12:50-1:31 PM	Datalogger operated continuously
10-Mar-15	13:28:00	0	Hours of operation 10 Mar 2015 12:50-1:31 PM	Datalogger operated continuously
10-Mar-15	13:30:00	0	Hours of operation 10 Mar 2015 12:50-1:31 PM	Datalogger operated continuously
10-Mar-15	13:32:00	0	Hours of operation 10 Mar 2015 12:50-1:31 PM	Datalogger operated continuously
11-Mar-15	9:00:00	3.32	Hours of operation 11 Mar 2015 9:00-9:32 AM	Datalogger operated continuously
11-Mar-15	9:02:00	3.32	Hours of operation 11 Mar 2015 9:00-9:32 AM	Datalogger operated continuously
11-Mar-15	9:04:00	3.32	Hours of operation 11 Mar 2015 9:00-9:32 AM	Datalogger operated continuously
11-Mar-15	9:06:00	3.55	Hours of operation 11 Mar 2015 9:00-9:32 AM	Datalogger operated continuously
11-Mar-15	9:08:00	3.58	Hours of operation 11 Mar 2015 9:00-9:32 AM	Datalogger operated continuously
11-Mar-15	9:10:00	3.58	Hours of operation 11 Mar 2015 9:00-9:32 AM	Datalogger operated continuously
11-Mar-15	9:12:00	3.58	Hours of operation 11 Mar 2015 9:00-9:32 AM	Datalogger operated continuously
11-Mar-15	9:14:00	3.58	Hours of operation 11 Mar 2015 9:00-9:32 AM	Datalogger operated continuously
11-Mar-15	9:16:00	3.42	Hours of operation 11 Mar 2015 9:00-9:32 AM	Datalogger operated continuously
11-Mar-15	9:18:00	3.29	Hours of operation 11 Mar 2015 9:00-9:32 AM	Datalogger operated continuously
11-Mar-15	9:20:00	3.28	Hours of operation 11 Mar 2015 9:00-9:32 AM	Datalogger operated continuously
11-Mar-15	9:22:00	2.95	Hours of operation 11 Mar 2015 9:00-9:32 AM	Datalogger operated continuously
11-Mar-15	9:24:00	0	Hours of operation 11 Mar 2015 9:00-9:32 AM	Datalogger operated continuously
11-Mar-15	9:26:00	0	Hours of operation 11 Mar 2015 9:00-9:32 AM	Datalogger operated continuously
11-Mar-15	9:28:00	0	Hours of operation 11 Mar 2015 9:00-9:32 AM	Datalogger operated continuously
11-Mar-15	9:30:00	0	Hours of operation 11 Mar 2015 9:00-9:32 AM	Datalogger operated continuously
11-Mar-15	9:32:00	0.06	Hours of operation 11 Mar 2015 9:00-9:32 AM	Datalogger operated continuously
11-Mar-15	12:40:00	3.16	Hours of operation 11 Mar 2015 12:41-1:12 PM	Datalogger operated continuously
11-Mar-15	12:42:00	3.16	Hours of operation 11 Mar 2015 12:41-1:12 PM	Datalogger operated continuously

11-Mar-15	12:44:00	2.93	Hours of operation 11 Mar 2015 12:41-1:12 PM	Datalogger operated continuously
11-Mar-15	12:46:00	2.78	Hours of operation 11 Mar 2015 12:41-1:12 PM	Datalogger operated continuously
11-Mar-15	12:48:00	2.66	Hours of operation 11 Mar 2015 12:41-1:12 PM	Datalogger operated continuously
11-Mar-15	12:50:00	2.7	Hours of operation 11 Mar 2015 12:41-1:12 PM	Datalogger operated continuously
11-Mar-15	12:52:00	2.91	Hours of operation 11 Mar 2015 12:41-1:12 PM	Datalogger operated continuously
11-Mar-15	12:54:00	2.91	Hours of operation 11 Mar 2015 12:41-1:12 PM	Datalogger operated continuously
11-Mar-15	12:56:00	2.91	Hours of operation 11 Mar 2015 12:41-1:12 PM	Datalogger operated continuously
11-Mar-15	12:58:00	3.15	Hours of operation 11 Mar 2015 12:41-1:12 PM	Datalogger operated continuously
11-Mar-15	13:00:00	2.91	Hours of operation 11 Mar 2015 12:41-1:12 PM	Datalogger operated continuously
11-Mar-15	13:02:00	2.5	Hours of operation 11 Mar 2015 12:41-1:12 PM	Datalogger operated continuously
11-Mar-15	13:04:00	0	Hours of operation 11 Mar 2015 12:41-1:12 PM	Datalogger operated continuously
11-Mar-15	13:06:00	0	Hours of operation 11 Mar 2015 12:41-1:12 PM	Datalogger operated continuously
11-Mar-15	13:08:00	0	Hours of operation 11 Mar 2015 12:41-1:12 PM	Datalogger operated continuously
11-Mar-15	13:10:00	0.09	Hours of operation 11 Mar 2015 12:41-1:12 PM	Datalogger operated continuously
11-Mar-15	13:12:00	0.13	Hours of operation 11 Mar 2015 12:41-1:12 PM	Datalogger operated continuously
12-Mar-15	12:14:00	4.72	Hours of operation 12 Mar 2015 12:14-1:04 PM	Datalogger operated continuously
12-Mar-15	12:16:00	4.86	Hours of operation 12 Mar 2015 12:14-1:04 PM	Datalogger operated continuously
12-Mar-15	12:18:00	4.96	Hours of operation 12 Mar 2015 12:14-1:04 PM	Datalogger operated continuously
12-Mar-15	12:20:00	4.56	Hours of operation 12 Mar 2015 12:14-1:04 PM	Datalogger operated continuously
12-Mar-15	12:22:00	4.01	Hours of operation 12 Mar 2015 12:14-1:04 PM	Datalogger operated continuously
12-Mar-15	12:24:00	3.93	Hours of operation 12 Mar 2015 12:14-1:04 PM	Datalogger operated continuously
12-Mar-15	12:26:00	3.93	Hours of operation 12 Mar 2015 12:14-1:04 PM	Datalogger operated continuously
12-Mar-15	12:28:00	3.75	Hours of operation 12 Mar 2015 12:14-1:04 PM	Datalogger operated continuously
12-Mar-15	12:30:00	3.68	Hours of operation 12 Mar 2015 12:14-1:04 PM	Datalogger operated continuously
12-Mar-15	12:32:00	3.68	Hours of operation 12 Mar 2015 12:14-1:04 PM	Datalogger operated continuously
12-Mar-15	12:34:00	3.59	Hours of operation 12 Mar 2015 12:14-1:04 PM	Datalogger operated continuously
12-Mar-15	12:36:00	3.36	Hours of operation 12 Mar 2015 12:14-1:04 PM	Datalogger operated continuously
12-Mar-15	12:38:00	3.18	Hours of operation 12 Mar 2015 12:14-1:04 PM	Datalogger operated continuously
12-Mar-15	12:40:00	3.44	Hours of operation 12 Mar 2015 12:14-1:04 PM	Datalogger operated continuously
12-Mar-15	12:42:00	3.29	Hours of operation 12 Mar 2015 12:14-1:04 PM	Datalogger operated continuously
12-Mar-15	12:44:00	3.19	Hours of operation 12 Mar 2015 12:14-1:04 PM	Datalogger operated continuously
12-Mar-15	12:46:00	3.41	Hours of operation 12 Mar 2015 12:14-1:04 PM	Datalogger operated continuously
12-Mar-15	12:48:00	3.2	Hours of operation 12 Mar 2015 12:14-1:04 PM	Datalogger operated continuously
12-Mar-15	12:50:00	3.07	Hours of operation 12 Mar 2015 12:14-1:04 PM	Datalogger operated continuously

12-Mar-15	12:52:00	3.17	Hours of operation 12 Mar 2015 12:14-1:04 PM	Datalogger operated continuously
12-Mar-15	12:54:00	3.4	Hours of operation 12 Mar 2015 12:14-1:04 PM	Datalogger operated continuously
12-Mar-15	12:56:00	0.38	Hours of operation 12 Mar 2015 12:14-1:04 PM	Datalogger operated continuously
12-Mar-15	12:58:00	0	Hours of operation 12 Mar 2015 12:14-1:04 PM	Datalogger operated continuously
12-Mar-15	13:00:00	0	Hours of operation 12 Mar 2015 12:14-1:04 PM	Datalogger operated continuously
12-Mar-15	13:02:00	0	Hours of operation 12 Mar 2015 12:14-1:04 PM	Datalogger operated continuously
12-Mar-15	13:04:00	0	Hours of operation 12 Mar 2015 12:14-1:04 PM	Datalogger operated continuously
				Leased phoneline communication failure to remote terminal unit. See backup chart & operator's manual entry in Attachment A607.E.
23-Mar-15	10:20:00	U	Hours of operation 23 Mar 2015 10:24-10:59 AM	Leased phoneline communication failure to remote terminal unit. See backup chart & operator's manual entry in Attachment A607.E.
23-Mar-15		U	Hours of operation 23 Mar 2015 1:09-1:38 PM	Datalogger operated continuously
24-Mar-15	9:52:00	3.79	Hours of operation 24 Mar 2015 9:52-10:26 AM	Datalogger operated continuously
24-Mar-15	9:54:00	3.79	Hours of operation 24 Mar 2015 9:52-10:26 AM	Datalogger operated continuously
24-Mar-15	9:56:00	3.79	Hours of operation 24 Mar 2015 9:52-10:26 AM	Datalogger operated continuously
24-Mar-15	9:58:00	3.79	Hours of operation 24 Mar 2015 9:52-10:26 AM	Datalogger operated continuously
24-Mar-15	10:00:00	3.77	Hours of operation 24 Mar 2015 9:52-10:26 AM	Datalogger operated continuously
24-Mar-15	10:02:00	3.54	Hours of operation 24 Mar 2015 9:52-10:26 AM	Datalogger operated continuously
24-Mar-15	10:04:00	3.54	Hours of operation 24 Mar 2015 9:52-10:26 AM	Datalogger operated continuously
24-Mar-15	10:06:00	3.8	Hours of operation 24 Mar 2015 9:52-10:26 AM	Datalogger operated continuously
24-Mar-15	10:08:00	3.8	Hours of operation 24 Mar 2015 9:52-10:26 AM	Datalogger operated continuously
24-Mar-15	10:10:00	3.99	Hours of operation 24 Mar 2015 9:52-10:26 AM	Datalogger operated continuously
24-Mar-15	10:12:00	4.06	Hours of operation 24 Mar 2015 9:52-10:26 AM	Datalogger operated continuously
24-Mar-15	10:14:00	3.8	Hours of operation 24 Mar 2015 9:52-10:26 AM	Datalogger operated continuously
24-Mar-15	10:16:00	3.5	Hours of operation 24 Mar 2015 9:52-10:26 AM	Datalogger operated continuously
24-Mar-15	10:18:00	3.24	Hours of operation 24 Mar 2015 9:52-10:26 AM	Datalogger operated continuously
24-Mar-15	10:20:00	3.24	Hours of operation 24 Mar 2015 9:52-10:26 AM	Datalogger operated continuously
24-Mar-15	10:22:00	3.24	Hours of operation 24 Mar 2015 9:52-10:26 AM	Datalogger operated continuously
24-Mar-15	10:24:00	3.24	Hours of operation 24 Mar 2015 9:52-10:26 AM	Datalogger operated continuously
24-Mar-15	10:26:00	2.77	Hours of operation 24 Mar 2015 9:52-10:26 AM	Datalogger operated continuously
24-Mar-15	12:58:00	3.29	Hours of operation 24 Mar 2015 12:59-1:25 PM	Datalogger operated continuously

24-Mar-15	13:00:00	3.08	Hours of operation 24 Mar 2015 12:59-1:25 PM	Datalogger operated continuously
24-Mar-15	13:02:00	2.88	Hours of operation 24 Mar 2015 12:59-1:25 PM	Datalogger operated continuously
24-Mar-15	13:04:00	2.89	Hours of operation 24 Mar 2015 12:59-1:25 PM	Datalogger operated continuously
24-Mar-15	13:06:00	2.87	Hours of operation 24 Mar 2015 12:59-1:25 PM	Datalogger operated continuously
24-Mar-15	13:08:00	3.02	Hours of operation 24 Mar 2015 12:59-1:25 PM	Datalogger operated continuously
24-Mar-15	13:10:00	2.74	Hours of operation 24 Mar 2015 12:59-1:25 PM	Datalogger operated continuously
24-Mar-15	13:12:00	2.9	Hours of operation 24 Mar 2015 12:59-1:25 PM	Datalogger operated continuously
24-Mar-15	13:14:00	2.99	Hours of operation 24 Mar 2015 12:59-1:25 PM	Datalogger operated continuously
24-Mar-15	13:16:00	2.99	Hours of operation 24 Mar 2015 12:59-1:25 PM	Datalogger operated continuously
24-Mar-15	13:18:00	2.99	Hours of operation 24 Mar 2015 12:59-1:25 PM	Datalogger operated continuously
24-Mar-15	13:20:00	2.01	Hours of operation 24 Mar 2015 12:59-1:25 PM	Datalogger operated continuously
24-Mar-15	13:22:00	0	Hours of operation 24 Mar 2015 12:59-1:25 PM	Datalogger operated continuously
24-Mar-15	13:24:00	0	Hours of operation 24 Mar 2015 12:59-1:25 PM	Datalogger operated continuously
24-Mar-15	13:26:00	0	Hours of operation 24 Mar 2015 12:59-1:25 PM	Datalogger operated continuously
26-Mar-15	9:12:00	3.59	Hours of operation 26 Mar 2015 9:12-9:45 AM	Datalogger operated continuously
26-Mar-15	9:14:00	3.79	Hours of operation 26 Mar 2015 9:12-9:45 AM	Datalogger operated continuously
26-Mar-15	9:16:00	3.79	Hours of operation 26 Mar 2015 9:12-9:45 AM	Datalogger operated continuously
26-Mar-15	9:18:00	3.79	Hours of operation 26 Mar 2015 9:12-9:45 AM	Datalogger operated continuously
26-Mar-15	9:20:00	3.79	Hours of operation 26 Mar 2015 9:12-9:45 AM	Datalogger operated continuously
26-Mar-15	9:22:00	3.75	Hours of operation 26 Mar 2015 9:12-9:45 AM	Datalogger operated continuously
26-Mar-15	9:24:00	3.52	Hours of operation 26 Mar 2015 9:12-9:45 AM	Datalogger operated continuously
26-Mar-15	9:26:00	3.52	Hours of operation 26 Mar 2015 9:12-9:45 AM	Datalogger operated continuously
26-Mar-15	9:28:00	3.52	Hours of operation 26 Mar 2015 9:12-9:45 AM	Datalogger operated continuously
26-Mar-15	9:30:00	3.52	Hours of operation 26 Mar 2015 9:12-9:45 AM	Datalogger operated continuously
26-Mar-15	9:32:00	3.52	Hours of operation 26 Mar 2015 9:12-9:45 AM	Datalogger operated continuously
26-Mar-15	9:34:00	3.52	Hours of operation 26 Mar 2015 9:12-9:45 AM	Datalogger operated continuously
26-Mar-15	9:36:00	3.69	Hours of operation 26 Mar 2015 9:12-9:45 AM	Datalogger operated continuously
26-Mar-15	9:38:00	3.77	Hours of operation 26 Mar 2015 9:12-9:45 AM	Datalogger operated continuously
26-Mar-15	9:40:00	3.76	Hours of operation 26 Mar 2015 9:12-9:45 AM	Datalogger operated continuously
26-Mar-15	9:42:00	3.52	Hours of operation 26 Mar 2015 9:12-9:45 AM	Datalogger operated continuously
26-Mar-15	9:44:00	2.11	Hours of operation 26 Mar 2015 9:12-9:45 AM	Datalogger operated continuously
26-Mar-15	9:46:00	0.06	Hours of operation 26 Mar 2015 9:12-9:45 AM	Datalogger operated continuously

30-Mar-15	13:00:00	U	Hours of operation 30 Mar 2015 1:00-2:10 PM	Leased phoneline communication failure to remote terminal unit. See backup chart & operator's manual entry in Attachment A607.E.
31-Mar-15	9:00:00	U	Hours of operation 31 Mar 2015 9:00-9:25 AM	Leased phoneline communication failure to remote terminal unit. See backup chart & operator's manual entry in Attachment A607.E.
31-Mar-15	12:38:00	3.82	Hours of operation 31 Mar 2015 12:39-1:25 PM	Datalogger operated continuously
31-Mar-15	12:40:00	3.1	Hours of operation 31 Mar 2015 12:39-1:25 PM	Datalogger operated continuously
31-Mar-15	12:42:00	2.56	Hours of operation 31 Mar 2015 12:39-1:25 PM	Datalogger operated continuously
31-Mar-15	12:44:00	2.3	Hours of operation 31 Mar 2015 12:39-1:25 PM	Datalogger operated continuously
31-Mar-15	12:46:00	2.15	Hours of operation 31 Mar 2015 12:39-1:25 PM	Datalogger operated continuously
31-Mar-15	12:48:00	1.94	Hours of operation 31 Mar 2015 12:39-1:25 PM	Datalogger operated continuously
31-Mar-15	12:50:00	2.08	Hours of operation 31 Mar 2015 12:39-1:25 PM	Datalogger operated continuously
31-Mar-15	12:52:00	2.19	Hours of operation 31 Mar 2015 12:39-1:25 PM	Datalogger operated continuously
31-Mar-15	12:54:00	2.19	Hours of operation 31 Mar 2015 12:39-1:25 PM	Datalogger operated continuously
31-Mar-15	12:56:00	2.19	Hours of operation 31 Mar 2015 12:39-1:25 PM	Datalogger operated continuously
31-Mar-15	12:58:00	2.19	Hours of operation 31 Mar 2015 12:39-1:25 PM	Datalogger operated continuously
31-Mar-15	13:00:00	2.19	Hours of operation 31 Mar 2015 12:39-1:25 PM	Datalogger operated continuously
31-Mar-15	13:02:00	2.36	Hours of operation 31 Mar 2015 12:39-1:25 PM	Datalogger operated continuously
31-Mar-15	13:04:00	2.7	Hours of operation 31 Mar 2015 12:39-1:25 PM	Datalogger operated continuously
31-Mar-15	13:06:00	2.71	Hours of operation 31 Mar 2015 12:39-1:25 PM	Datalogger operated continuously
31-Mar-15	13:08:00	2.81	Hours of operation 31 Mar 2015 12:39-1:25 PM	Datalogger operated continuously
31-Mar-15	13:10:00	2.96	Hours of operation 31 Mar 2015 12:39-1:25 PM	Datalogger operated continuously
31-Mar-15	13:12:00	3.18	Hours of operation 31 Mar 2015 12:39-1:25 PM	Datalogger operated continuously
31-Mar-15	13:14:00	3.21	Hours of operation 31 Mar 2015 12:39-1:25 PM	Datalogger operated continuously
31-Mar-15	13:16:00	3.21	Hours of operation 31 Mar 2015 12:39-1:25 PM	Datalogger operated continuously
31-Mar-15	13:18:00	3.3	Hours of operation 31 Mar 2015 12:39-1:25 PM	Datalogger operated continuously
31-Mar-15	13:20:00	3.47	Hours of operation 31 Mar 2015 12:39-1:25 PM	Datalogger operated continuously
31-Mar-15	13:22:00	3.47	Hours of operation 31 Mar 2015 12:39-1:25 PM	Datalogger operated continuously
31-Mar-15	13:24:00	3.47	Hours of operation 31 Mar 2015 12:39-1:25 PM	Datalogger operated continuously
31-Mar-15	13:26:00	0.81	Hours of operation 31 Mar 2015 12:39-1:25 PM	Datalogger operated continuously

LAEVSA\$

LAEVSB\$ PRP 600233DIFFPRES

PRP - Profile Report Program -

1 Point Found

Acronym :
Reporting on 1 point
Start Time [0:00:00] :
Stop Time [23:59:59] :
Increment (xx[S/M/H/D 2M

Date	Time	DiffPress	Available	Operator Log Time	Comment
			inches =unavailable		
8-Apr-15	8:42:00	3.44		Hours of Operation 8 Apr 2015 8:43-9:30 AM	Datalogger operated continuously
8-Apr-15	8:44:00	3.44		Hours of Operation 8 Apr 2015 8:43-9:30 AM	Datalogger operated continuously
8-Apr-15	8:46:00	3.44		Hours of Operation 8 Apr 2015 8:43-9:30 AM	Datalogger operated continuously
8-Apr-15	8:48:00	3.6		Hours of Operation 8 Apr 2015 8:43-9:30 AM	Datalogger operated continuously
8-Apr-15	8:50:00	3.73		Hours of Operation 8 Apr 2015 8:43-9:30 AM	Datalogger operated continuously
8-Apr-15	8:52:00	3.73		Hours of Operation 8 Apr 2015 8:43-9:30 AM	Datalogger operated continuously
8-Apr-15	8:54:00	3.73		Hours of Operation 8 Apr 2015 8:43-9:30 AM	Datalogger operated continuously
8-Apr-15	8:56:00	3.73		Hours of Operation 8 Apr 2015 8:43-9:30 AM	Datalogger operated continuously
8-Apr-15	8:58:00	3.73		Hours of Operation 8 Apr 2015 8:43-9:30 AM	Datalogger operated continuously
8-Apr-15	9:00:00	3.48		Hours of Operation 8 Apr 2015 8:43-9:30 AM	Datalogger operated continuously
8-Apr-15	9:02:00	3.48		Hours of Operation 8 Apr 2015 8:43-9:30 AM	Datalogger operated continuously
8-Apr-15	9:04:00	3.48		Hours of Operation 8 Apr 2015 8:43-9:30 AM	Datalogger operated continuously
8-Apr-15	9:06:00	3.48		Hours of Operation 8 Apr 2015 8:43-9:30 AM	Datalogger operated continuously
8-Apr-15	9:08:00	3.27		Hours of Operation 8 Apr 2015 8:43-9:30 AM	Datalogger operated continuously
8-Apr-15	9:10:00	3.21		Hours of Operation 8 Apr 2015 8:43-9:30 AM	Datalogger operated continuously
8-Apr-15	9:12:00	3.43		Hours of Operation 8 Apr 2015 8:43-9:30 AM	Datalogger operated continuously
8-Apr-15	9:14:00	3.48		Hours of Operation 8 Apr 2015 8:43-9:30 AM	Datalogger operated continuously
8-Apr-15	9:16:00	3.48		Hours of Operation 8 Apr 2015 8:43-9:30 AM	Datalogger operated continuously
8-Apr-15	9:18:00	3.48		Hours of Operation 8 Apr 2015 8:43-9:30 AM	Datalogger operated continuously
8-Apr-15	9:20:00	3.33		Hours of Operation 8 Apr 2015 8:43-9:30 AM	Datalogger operated continuously
8-Apr-15	9:22:00	1.26		Hours of Operation 8 Apr 2015 8:43-9:30 AM	Datalogger operated continuously
8-Apr-15	9:24:00	0		Hours of Operation 8 Apr 2015 8:43-9:30 AM	Datalogger operated continuously
8-Apr-15	9:26:00	0		Hours of Operation 8 Apr 2015 8:43-9:30 AM	Datalogger operated continuously

8-Apr-15	9:28:00	0	Hours of Operation 8 Apr 2015 8:43-9:30 AM	Datalogger operated continuously
8-Apr-15	9:30:00	0	Hours of Operation 8 Apr 2015 8:43-9:30 AM	Datalogger operated continuously
8-Apr-15	12:30:00	3.42	Hours of Operation 8 Apr 2015 12:30-1:07 PM	Datalogger operated continuously
8-Apr-15	12:32:00	3.25	Hours of Operation 8 Apr 2015 12:30-1:07 PM	Datalogger operated continuously
8-Apr-15	12:34:00	3.15	Hours of Operation 8 Apr 2015 12:30-1:07 PM	Datalogger operated continuously
8-Apr-15	12:36:00	3.15	Hours of Operation 8 Apr 2015 12:30-1:07 PM	Datalogger operated continuously
8-Apr-15	12:38:00	3.06	Hours of Operation 8 Apr 2015 12:30-1:07 PM	Datalogger operated continuously
8-Apr-15	12:40:00	2.92	Hours of Operation 8 Apr 2015 12:30-1:07 PM	Datalogger operated continuously
8-Apr-15	12:42:00	3.15	Hours of Operation 8 Apr 2015 12:30-1:07 PM	Datalogger operated continuously
8-Apr-15	12:44:00	3.28	Hours of Operation 8 Apr 2015 12:30-1:07 PM	Datalogger operated continuously
8-Apr-15	12:46:00	3.4	Hours of Operation 8 Apr 2015 12:30-1:07 PM	Datalogger operated continuously
8-Apr-15	12:48:00	3.4	Hours of Operation 8 Apr 2015 12:30-1:07 PM	Datalogger operated continuously
8-Apr-15	12:50:00	3.4	Hours of Operation 8 Apr 2015 12:30-1:07 PM	Datalogger operated continuously
8-Apr-15	12:52:00	3.2	Hours of Operation 8 Apr 2015 12:30-1:07 PM	Datalogger operated continuously
8-Apr-15	12:54:00	3.39	Hours of Operation 8 Apr 2015 12:30-1:07 PM	Datalogger operated continuously
8-Apr-15	12:56:00	3.41	Hours of Operation 8 Apr 2015 12:30-1:07 PM	Datalogger operated continuously
8-Apr-15	12:58:00	3.41	Hours of Operation 8 Apr 2015 12:30-1:07 PM	Datalogger operated continuously
8-Apr-15	13:00:00	3.41	Hours of Operation 8 Apr 2015 12:30-1:07 PM	Datalogger operated continuously
8-Apr-15	13:02:00	3.38	Hours of Operation 8 Apr 2015 12:30-1:07 PM	Datalogger operated continuously
8-Apr-15	13:04:00	3.11	Hours of Operation 8 Apr 2015 12:30-1:07 PM	Datalogger operated continuously
8-Apr-15	13:06:00	3.17	Hours of Operation 8 Apr 2015 12:30-1:07 PM	Datalogger operated continuously
8-Apr-15	13:08:00	3.36	Hours of Operation 8 Apr 2015 12:30-1:07 PM	Datalogger operated continuously
9-Apr-15	9:52:00	3.57	Hours of Operation 9 Apr 2015 9:52-10:34 AM	Datalogger operated continuously
9-Apr-15	9:54:00	3.57	Hours of Operation 9 Apr 2015 9:52-10:34 AM	Datalogger operated continuously
9-Apr-15	9:56:00	3.57	Hours of Operation 9 Apr 2015 9:52-10:34 AM	Datalogger operated continuously
9-Apr-15	9:58:00	3.57	Hours of Operation 9 Apr 2015 9:52-10:34 AM	Datalogger operated continuously
9-Apr-15	10:00:00	3.57	Hours of Operation 9 Apr 2015 9:52-10:34 AM	Datalogger operated continuously
9-Apr-15	10:02:00	3.84	Hours of Operation 9 Apr 2015 9:52-10:34 AM	Datalogger operated continuously
9-Apr-15	10:04:00	3.89	Hours of Operation 9 Apr 2015 9:52-10:34 AM	Datalogger operated continuously
9-Apr-15	10:06:00	3.7	Hours of Operation 9 Apr 2015 9:52-10:34 AM	Datalogger operated continuously
9-Apr-15	10:08:00	3.63	Hours of Operation 9 Apr 2015 9:52-10:34 AM	Datalogger operated continuously
9-Apr-15	10:10:00	3.63	Hours of Operation 9 Apr 2015 9:52-10:34 AM	Datalogger operated continuously
9-Apr-15	10:12:00	3.63	Hours of Operation 9 Apr 2015 9:52-10:34 AM	Datalogger operated continuously
9-Apr-15	10:14:00	3.79	Hours of Operation 9 Apr 2015 9:52-10:34 AM	Datalogger operated continuously

9-Apr-15	10:16:00	4.12	Hours of Operation 9 Apr 2015 9:52-10:34 AM	Datalogger operated continuously
9-Apr-15	10:18:00	4.14	Hours of Operation 9 Apr 2015 9:52-10:34 AM	Datalogger operated continuously
9-Apr-15	10:20:00	3.92	Hours of Operation 9 Apr 2015 9:52-10:34 AM	Datalogger operated continuously
9-Apr-15	10:22:00	3.88	Hours of Operation 9 Apr 2015 9:52-10:34 AM	Datalogger operated continuously
9-Apr-15	10:24:00	2.55	Hours of Operation 9 Apr 2015 9:52-10:34 AM	Datalogger operated continuously
9-Apr-15	10:26:00	0	Hours of Operation 9 Apr 2015 9:52-10:34 AM	Datalogger operated continuously
9-Apr-15	10:28:00	0	Hours of Operation 9 Apr 2015 9:52-10:34 AM	Datalogger operated continuously
9-Apr-15	10:30:00	0	Hours of Operation 9 Apr 2015 9:52-10:34 AM	Datalogger operated continuously
9-Apr-15	10:32:00	0	Hours of Operation 9 Apr 2015 9:52-10:34 AM	Datalogger operated continuously
9-Apr-15	10:34:00	0.05	Hours of Operation 9 Apr 2015 9:52-10:34 AM	Datalogger operated continuously
Leased phoneline communication failure to remote terminal unit. See backup chart & operator's manual entry in Attachment A607.E.				
9-Apr-15	13:04:00	U	Hours of Operation 9 Apr 2015 1:04-1:35 PM	Leased phoneline communication failure to remote terminal unit. See backup chart & operator's manual entry in Attachment A607.E.
10-Apr-15	9:00:00	U	Hours of Operation 10 Apr 2015 9:01-9:34 AM	Leased phoneline communication failure to remote terminal unit. See backup chart & operator's manual entry in Attachment A607.E.
10-Apr-15	12:50:00	U	Hours of Operation 12:51-1:19 PM	Leased phoneline communication failure to remote terminal unit. See backup chart & operator's manual entry in Attachment A607.E.
14-Apr-15	9:40:00	U	Hours of Operation 9:40-10:11 AM	Leased phoneline communication failure to remote terminal unit. See backup chart & operator's manual entry in Attachment A607.E.
14-Apr-15	12:36:00	U	Hours of Operation 12:37-1:04 PM	Leased phoneline communication failure to remote terminal unit. See backup chart & operator's manual entry in Attachment A607.E.
19-Apr-15	10:00:00	U	Hours of Operation 10:00-10:49 AM	Leased phoneline communication failure to remote terminal unit. See backup chart & operator's manual entry in Attachment A607.E.

19-Apr-15	11:30:00	U	Hours of Operation 11:31 AM-12:07 PM	Leased phoneline communication failure to remote terminal unit. See backup chart & operator's manual entry in Attachment A607.E.
20-Apr-15	9:34:00	U	Hours of Operation 9:34-9:58 AM	Leased phoneline communication failure to remote terminal unit. See backup chart & operator's manual entry in Attachment A607.E.
20-Apr-15	12:46:00	U	Hours of Operation 12:46-1:18 PM	Leased phoneline communication failure to remote terminal unit. See backup chart & operator's manual entry in Attachment A607.E.
21-Apr-15	8:54:00	U	Hours of Operation 8:55-9:28 AM	Leased phoneline communication failure to remote terminal unit. See backup chart & operator's manual entry in Attachment A607.E.
21-Apr-15	12:56:00	3.31	Hours of Operation 21 Apr 2015 12:56-1:24 PM	Datalogger operated continuously
21-Apr-15	12:58:00	3.31	Hours of Operation 21 Apr 2015 12:56-1:24 PM	Datalogger operated continuously
21-Apr-15	13:00:00	3.31	Hours of Operation 21 Apr 2015 12:56-1:24 PM	Datalogger operated continuously
21-Apr-15	13:02:00	3.31	Hours of Operation 21 Apr 2015 12:56-1:24 PM	Datalogger operated continuously
21-Apr-15	13:04:00	3.31	Hours of Operation 21 Apr 2015 12:56-1:24 PM	Datalogger operated continuously
21-Apr-15	13:06:00	3.31	Hours of Operation 21 Apr 2015 12:56-1:24 PM	Datalogger operated continuously
21-Apr-15	13:08:00	3.31	Hours of Operation 21 Apr 2015 12:56-1:24 PM	Datalogger operated continuously
21-Apr-15	13:10:00	3.31	Hours of Operation 21 Apr 2015 12:56-1:24 PM	Datalogger operated continuously
21-Apr-15	13:12:00	3.31	Hours of Operation 21 Apr 2015 12:56-1:24 PM	Datalogger operated continuously
21-Apr-15	13:14:00	0.68	Hours of Operation 21 Apr 2015 12:56-1:24 PM	Datalogger operated continuously
21-Apr-15	13:16:00	0	Hours of Operation 21 Apr 2015 12:56-1:24 PM	Datalogger operated continuously
21-Apr-15	13:18:00	0	Hours of Operation 21 Apr 2015 12:56-1:24 PM	Datalogger operated continuously
21-Apr-15	13:20:00	0	Hours of Operation 21 Apr 2015 12:56-1:24 PM	Datalogger operated continuously
21-Apr-15	13:22:00	0	Hours of Operation 21 Apr 2015 12:56-1:24 PM	Datalogger operated continuously
21-Apr-15	13:24:00	0	Hours of Operation 21 Apr 2015 12:56-1:24 PM	Datalogger operated continuously
22-Apr-15	10:26:00	2.52	Hours of Operation 22 Apr 2015 10:27-11:10 AM	Datalogger operated continuously
22-Apr-15	10:28:00	2.53	Hours of Operation 22 Apr 2015 10:27-11:10 AM	Datalogger operated continuously
22-Apr-15	10:30:00	2.56	Hours of Operation 22 Apr 2015 10:27-11:10 AM	Datalogger operated continuously

22-Apr-15	10:32:00	2.77	Hours of Operation 22 Apr 2015 10:27-11:10 AM	Datalogger operated continuously
22-Apr-15	10:34:00	2.77	Hours of Operation 22 Apr 2015 10:27-11:10 AM	Datalogger operated continuously
22-Apr-15	10:36:00	2.77	Hours of Operation 22 Apr 2015 10:27-11:10 AM	Datalogger operated continuously
22-Apr-15	10:38:00	3.03	Hours of Operation 22 Apr 2015 10:27-11:10 AM	Datalogger operated continuously
22-Apr-15	10:40:00	3.04	Hours of Operation 22 Apr 2015 10:27-11:10 AM	Datalogger operated continuously
22-Apr-15	10:42:00	3.04	Hours of Operation 22 Apr 2015 10:27-11:10 AM	Datalogger operated continuously
22-Apr-15	10:44:00	3.29	Hours of Operation 22 Apr 2015 10:27-11:10 AM	Datalogger operated continuously
22-Apr-15	10:46:00	3.31	Hours of Operation 22 Apr 2015 10:27-11:10 AM	Datalogger operated continuously
22-Apr-15	10:48:00	3.31	Hours of Operation 22 Apr 2015 10:27-11:10 AM	Datalogger operated continuously
22-Apr-15	10:50:00	3.31	Hours of Operation 22 Apr 2015 10:27-11:10 AM	Datalogger operated continuously
22-Apr-15	10:52:00	3.31	Hours of Operation 22 Apr 2015 10:27-11:10 AM	Datalogger operated continuously
22-Apr-15	10:54:00	3.24	Hours of Operation 22 Apr 2015 10:27-11:10 AM	Datalogger operated continuously
22-Apr-15	10:56:00	3.06	Hours of Operation 22 Apr 2015 10:27-11:10 AM	Datalogger operated continuously
22-Apr-15	10:58:00	3.06	Hours of Operation 22 Apr 2015 10:27-11:10 AM	Datalogger operated continuously
22-Apr-15	11:00:00	1.61	Hours of Operation 22 Apr 2015 10:27-11:10 AM	Datalogger operated continuously
22-Apr-15	11:02:00	0	Hours of Operation 22 Apr 2015 10:27-11:10 AM	Datalogger operated continuously
22-Apr-15	11:04:00	0	Hours of Operation 22 Apr 2015 10:27-11:10 AM	Datalogger operated continuously
22-Apr-15	11:06:00	0	Hours of Operation 22 Apr 2015 10:27-11:10 AM	Datalogger operated continuously
22-Apr-15	11:08:00	0	Hours of Operation 22 Apr 2015 10:27-11:10 AM	Datalogger operated continuously
22-Apr-15	11:10:00	0	Hours of Operation 22 Apr 2015 10:27-11:10 AM	Datalogger operated continuously

LA EVS B \$

DIFFPRESS REPORT FOR MONTH OF MAY

PRP 600233 DIFFPRES

PRP - Profile Report Program

1 Point Founrd

Acronym :

Reporting on 1 point

Start [31-MAY-2 1-May

Stop [1-MAY-2015]: 31-May

Increment (xx[S/M/H, 2M

Date	Time	DiffPress inches	Available U=unavailable	Operator Log Time	Comment
2-May-15	8:54:00	3.56		Hours of Operation 2 May 2015 8:55-9:47 AM	Datalogger operated continuously
2-May-15	8:56:00	3.57		Hours of Operation 2 May 2015 8:55-9:47 AM	Datalogger operated continuously
2-May-15	8:58:00	3.57		Hours of Operation 2 May 2015 8:55-9:47 AM	Datalogger operated continuously
2-May-15	9:00:00	3.57		Hours of Operation 2 May 2015 8:55-9:47 AM	Datalogger operated continuously
2-May-15	9:02:00	3.57		Hours of Operation 2 May 2015 8:55-9:47 AM	Datalogger operated continuously
2-May-15	9:04:00	3.57		Hours of Operation 2 May 2015 8:55-9:47 AM	Datalogger operated continuously
2-May-15	9:06:00	3.57		Hours of Operation 2 May 2015 8:55-9:47 AM	Datalogger operated continuously
2-May-15	9:08:00	3.57		Hours of Operation 2 May 2015 8:55-9:47 AM	Datalogger operated continuously
2-May-15	9:10:00	3.57		Hours of Operation 2 May 2015 8:55-9:47 AM	Datalogger operated continuously
2-May-15	9:12:00	3.57		Hours of Operation 2 May 2015 8:55-9:47 AM	Datalogger operated continuously
2-May-15	9:14:00	3.57		Hours of Operation 2 May 2015 8:55-9:47 AM	Datalogger operated continuously
2-May-15	9:16:00	3.57		Hours of Operation 2 May 2015 8:55-9:47 AM	Datalogger operated continuously
2-May-15	9:18:00	3.57		Hours of Operation 2 May 2015 8:55-9:47 AM	Datalogger operated continuously
2-May-15	9:20:00	3.57		Hours of Operation 2 May 2015 8:55-9:47 AM	Datalogger operated continuously
2-May-15	9:22:00	3.57		Hours of Operation 2 May 2015 8:55-9:47 AM	Datalogger operated continuously
2-May-15	9:24:00	3.57		Hours of Operation 2 May 2015 8:55-9:47 AM	Datalogger operated continuously
2-May-15	9:26:00	3.57		Hours of Operation 2 May 2015 8:55-9:47 AM	Datalogger operated continuously
2-May-15	9:28:00	3.57		Hours of Operation 2 May 2015 8:55-9:47 AM	Datalogger operated continuously
2-May-15	9:30:00	3.57		Hours of Operation 2 May 2015 8:55-9:47 AM	Datalogger operated continuously
2-May-15	9:32:00	3.34		Hours of Operation 2 May 2015 8:55-9:47 AM	Datalogger operated continuously
2-May-15	9:34:00	3.57		Hours of Operation 2 May 2015 8:55-9:47 AM	Datalogger operated continuously

2-May-15	9:36:00	2.39	Hours of Operation 2 May 2015 8:55-9:47 AM	Datalogger operated continuously
2-May-15	9:38:00	0	Hours of Operation 2 May 2015 8:55-9:47 AM	Datalogger operated continuously
2-May-15	9:38:00	0	Hours of Operation 2 May 2015 8:55-9:47 AM	Datalogger operated continuously
2-May-15	9:40:00	0	Hours of Operation 2 May 2015 8:55-9:47 AM	Datalogger operated continuously
2-May-15	9:42:00	0	Hours of Operation 2 May 2015 8:55-9:47 AM	Datalogger operated continuously
2-May-15	9:44:00	0	Hours of Operation 2 May 2015 8:55-9:47 AM	Datalogger operated continuously
2-May-15	9:46:00	0	Hours of Operation 2 May 2015 8:55-9:47 AM	Datalogger operated continuously
2-May-15	9:48:00	0	Hours of Operation 2 May 2015 8:55-9:47 AM	Datalogger operated continuously
2-May-15	10:46:00	3.29	Hours of Operation 2 May 2015 10:47-11:25 AM	Datalogger operated continuously
2-May-15	10:48:00	2.85	Hours of Operation 2 May 2015 10:47-11:25 AM	Datalogger operated continuously
2-May-15	10:50:00	2.66	Hours of Operation 2 May 2015 10:47-11:25 AM	Datalogger operated continuously
2-May-15	10:52:00	2.52	Hours of Operation 2 May 2015 10:47-11:25 AM	Datalogger operated continuously
2-May-15	10:54:00	2.4	Hours of Operation 2 May 2015 10:47-11:25 AM	Datalogger operated continuously
2-May-15	10:56:00	2.4	Hours of Operation 2 May 2015 10:47-11:25 AM	Datalogger operated continuously
2-May-15	10:58:00	2.65	Hours of Operation 2 May 2015 10:47-11:25 AM	Datalogger operated continuously
2-May-15	11:00:00	2.66	Hours of Operation 2 May 2015 10:47-11:25 AM	Datalogger operated continuously
2-May-15	11:02:00	3.08	Hours of Operation 2 May 2015 10:47-11:25 AM	Datalogger operated continuously
2-May-15	11:04:00	4.09	Hours of Operation 2 May 2015 10:47-11:25 AM	Datalogger operated continuously
2-May-15	11:06:00	4.49	Hours of Operation 2 May 2015 10:47-11:25 AM	Datalogger operated continuously
2-May-15	11:08:00	4.49	Hours of Operation 2 May 2015 10:47-11:25 AM	Datalogger operated continuously
2-May-15	11:10:00	4.49	Hours of Operation 2 May 2015 10:47-11:25 AM	Datalogger operated continuously
2-May-15	11:12:00	1.65	Hours of Operation 2 May 2015 10:47-11:25 AM	Datalogger operated continuously
2-May-15	11:14:00	0.09	Hours of Operation 2 May 2015 10:47-11:25 AM	Datalogger operated continuously
2-May-15	11:16:00	0.34	Hours of Operation 2 May 2015 10:47-11:25 AM	Datalogger operated continuously
2-May-15	11:18:00	0.34	Hours of Operation 2 May 2015 10:47-11:25 AM	Datalogger operated continuously
2-May-15	11:20:00	0.34	Hours of Operation 2 May 2015 10:47-11:25 AM	Datalogger operated continuously
2-May-15	11:22:00	0.34	Hours of Operation 2 May 2015 10:47-11:25 AM	Datalogger operated continuously
2-May-15	11:24:00	0.34	Hours of Operation 2 May 2015 10:47-11:25 AM	Datalogger operated continuously
2-May-15	11:26:00	0.34	Hours of Operation 2 May 2015 10:47-11:25 AM	Datalogger operated continuously
6-May-15	9:44:00	3.72	Hours of Operation 6 May 2015 9:46-10:20 AM	Datalogger operated continuously
6-May-15	9:46:00	3.72	Hours of Operation 6 May 2015 9:46-10:20 AM	Datalogger operated continuously
6-May-15	9:48:00	3.72	Hours of Operation 6 May 2015 9:46-10:20 AM	Datalogger operated continuously
6-May-15	9:50:00	3.72	Hours of Operation 6 May 2015 9:46-10:20 AM	Datalogger operated continuously
6-May-15	9:52:00	3.72	Hours of Operation 6 May 2015 9:46-10:20 AM	Datalogger operated continuously

6-May-15	9:54:00	3.56	Hours of Operation 6 May 2015 9:46-10:20 AM	Datalogger operated continuously
6-May-15	9:56:00	3.47	Hours of Operation 6 May 2015 9:46-10:20 AM	Datalogger operated continuously
6-May-15	9:58:00	3.47	Hours of Operation 6 May 2015 9:46-10:20 AM	Datalogger operated continuously
6-May-15	10:00:00	3.47	Hours of Operation 6 May 2015 9:46-10:20 AM	Datalogger operated continuously
6-May-15	10:02:00	3.47	Hours of Operation 6 May 2015 9:46-10:20 AM	Datalogger operated continuously
6-May-15	10:04:00	3.47	Hours of Operation 6 May 2015 9:46-10:20 AM	Datalogger operated continuously
6-May-15	10:06:00	3.47	Hours of Operation 6 May 2015 9:46-10:20 AM	Datalogger operated continuously
6-May-15	10:08:00	3.47	Hours of Operation 6 May 2015 9:46-10:20 AM	Datalogger operated continuously
6-May-15	10:10:00	0.94	Hours of Operation 6 May 2015 9:46-10:20 AM	Datalogger operated continuously
6-May-15	10:12:00	0	Hours of Operation 6 May 2015 9:46-10:20 AM	Datalogger operated continuously
6-May-15	10:14:00	0	Hours of Operation 6 May 2015 9:46-10:20 AM	Datalogger operated continuously
6-May-15	10:16:00	0	Hours of Operation 6 May 2015 9:46-10:20 AM	Datalogger operated continuously
6-May-15	10:18:00	0	Hours of Operation 6 May 2015 9:46-10:20 AM	Datalogger operated continuously
6-May-15	10:20:00	0	Hours of Operation 6 May 2015 9:46-10:20 AM	Datalogger operated continuously
7-May-15	8:58:00	3.55	Hours of Operation 7 May 2015 8:59-9:28 AM	Datalogger operated continuously
7-May-15	9:00:00	3.55	Hours of Operation 7 May 2015 8:59-9:28 AM	Datalogger operated continuously
7-May-15	9:02:00	3.55	Hours of Operation 7 May 2015 8:59-9:28 AM	Datalogger operated continuously
7-May-15	9:04:00	3.55	Hours of Operation 7 May 2015 8:59-9:28 AM	Datalogger operated continuously
7-May-15	9:06:00	3.55	Hours of Operation 7 May 2015 8:59-9:28 AM	Datalogger operated continuously
7-May-15	9:08:00	3.55	Hours of Operation 7 May 2015 8:59-9:28 AM	Datalogger operated continuously
7-May-15	9:10:00	3.55	Hours of Operation 7 May 2015 8:59-9:28 AM	Datalogger operated continuously
7-May-15	9:12:00	3.55	Hours of Operation 7 May 2015 8:59-9:28 AM	Datalogger operated continuously
7-May-15	9:14:00	3.24	Hours of Operation 7 May 2015 8:59-9:28 AM	Datalogger operated continuously
7-May-15	9:16:00	3	Hours of Operation 7 May 2015 8:59-9:28 AM	Datalogger operated continuously
7-May-15	9:18:00	0.08	Hours of Operation 7 May 2015 8:59-9:28 AM	Datalogger operated continuously
7-May-15	9:20:00	0.05	Hours of Operation 7 May 2015 8:59-9:28 AM	Datalogger operated continuously
7-May-15	9:22:00	0.05	Hours of Operation 7 May 2015 8:59-9:28 AM	Datalogger operated continuously
7-May-15	9:24:00	0.05	Hours of Operation 7 May 2015 8:59-9:28 AM	Datalogger operated continuously
7-May-15	9:26:00	0.05	Hours of Operation 7 May 2015 8:59-9:28 AM	Datalogger operated continuously
7-May-15	9:28:00	0.05	Hours of Operation 7 May 2015 8:59-9:28 AM	Datalogger operated continuously
7-May-15	12:42:00	3.4	Hours of Operation 7 May 2015 12:43-1:08 PM	Datalogger operated continuously
7-May-15	12:44:00	3.71	Hours of Operation 7 May 2015 12:43-1:08 PM	Datalogger operated continuously
7-May-15	12:46:00	3.5	Hours of Operation 7 May 2015 12:43-1:08 PM	Datalogger operated continuously
7-May-15	12:48:00	3.49	Hours of Operation 7 May 2015 12:43-1:08 PM	Datalogger operated continuously

7-May-15	12:50:00	3.54	Hours of Operation 7 May 2015 12:43-1:08 PM	Datalogger operated continuously
7-May-15	12:52:00	3.54	Hours of Operation 7 May 2015 12:43-1:08 PM	Datalogger operated continuously
7-May-15	12:54:00	3.12	Hours of Operation 7 May 2015 12:43-1:08 PM	Datalogger operated continuously
7-May-15	12:56:00	2.37	Hours of Operation 7 May 2015 12:43-1:08 PM	Datalogger operated continuously
7-May-15	12:58:00	0.66	Hours of Operation 7 May 2015 12:43-1:08 PM	Datalogger operated continuously
7-May-15	13:00:00	0	Hours of Operation 7 May 2015 12:43-1:08 PM	Datalogger operated continuously
7-May-15	13:02:00	0	Hours of Operation 7 May 2015 12:43-1:08 PM	Datalogger operated continuously
7-May-15	13:04:00	0	Hours of Operation 7 May 2015 12:43-1:08 PM	Datalogger operated continuously
7-May-15	13:06:00	0	Hours of Operation 7 May 2015 12:43-1:08 PM	Datalogger operated continuously
7-May-15	13:08:00	0	Hours of Operation 7 May 2015 12:43-1:08 PM	Datalogger operated continuously
8-May-15	9:36:00	3.06	Hours of Operation 8 May 2015 9:37-10:13 AM	Datalogger operated continuously
8-May-15	9:38:00	2.89	Hours of Operation 8 May 2015 9:37-10:13 AM	Datalogger operated continuously
8-May-15	9:40:00	2.89	Hours of Operation 8 May 2015 9:37-10:13 AM	Datalogger operated continuously
8-May-15	9:42:00	2.89	Hours of Operation 8 May 2015 9:37-10:13 AM	Datalogger operated continuously
8-May-15	9:44:00	2.89	Hours of Operation 8 May 2015 9:37-10:13 AM	Datalogger operated continuously
8-May-15	9:46:00	2.89	Hours of Operation 8 May 2015 9:37-10:13 AM	Datalogger operated continuously
8-May-15	9:48:00	3.08	Hours of Operation 8 May 2015 9:37-10:13 AM	Datalogger operated continuously
8-May-15	9:50:00	3.17	Hours of Operation 8 May 2015 9:37-10:13 AM	Datalogger operated continuously
8-May-15	9:52:00	3.22	Hours of Operation 8 May 2015 9:37-10:13 AM	Datalogger operated continuously
8-May-15	9:54:00	3.22	Hours of Operation 8 May 2015 9:37-10:13 AM	Datalogger operated continuously
8-May-15	9:56:00	3.22	Hours of Operation 8 May 2015 9:37-10:13 AM	Datalogger operated continuously
8-May-15	9:58:00	3.09	Hours of Operation 8 May 2015 9:37-10:13 AM	Datalogger operated continuously
8-May-15	10:00:00	2.77	Hours of Operation 8 May 2015 9:37-10:13 AM	Datalogger operated continuously
8-May-15	10:02:00	1.82	Hours of Operation 8 May 2015 9:37-10:13 AM	Datalogger operated continuously
8-May-15	10:04:00	0	Hours of Operation 8 May 2015 9:37-10:13 AM	Datalogger operated continuously
8-May-15	10:06:00	0	Hours of Operation 8 May 2015 9:37-10:13 AM	Datalogger operated continuously
8-May-15	10:08:00	0	Hours of Operation 8 May 2015 9:37-10:13 AM	Datalogger operated continuously
8-May-15	10:10:00	0	Hours of Operation 8 May 2015 9:37-10:13 AM	Datalogger operated continuously
8-May-15	10:12:00	0	Hours of Operation 8 May 2015 9:37-10:13 AM	Datalogger operated continuously
8-May-15	10:14:00	0	Hours of Operation 8 May 2015 9:37-10:13 AM	Datalogger operated continuously
8-May-15	12:44:00	2.77	Hours of Operation 8 May 2015 12:45-1:02 PM	Datalogger operated continuously
8-May-15	12:46:00	2.77	Hours of Operation 8 May 2015 12:45-1:02 PM	Datalogger operated continuously
8-May-15	12:48:00	2.95	Hours of Operation 8 May 2015 12:45-1:02 PM	Datalogger operated continuously
8-May-15	12:50:00	3.02	Hours of Operation 8 May 2015 12:45-1:02 PM	Datalogger operated continuously

8-May-15	12:52:00	3.02	Hours of Operation 8 May 2015 12:45-1:02 PM	Datalogger operated continuously
8-May-15	12:54:00	3.02	Hours of Operation 8 May 2015 12:45-1:02 PM	Datalogger operated continuously
8-May-15	12:56:00	2.1	Hours of Operation 8 May 2015 12:45-1:02 PM	Datalogger operated continuously
8-May-15	12:58:00	0.09	Hours of Operation 8 May 2015 12:45-1:02 PM	Datalogger operated continuously
8-May-15	13:00:00	0.09	Hours of Operation 8 May 2015 12:45-1:02 PM	Datalogger operated continuously
8-May-15	13:02:00	0.09	Hours of Operation 8 May 2015 12:45-1:02 PM	Datalogger operated continuously

Asphalt plant did not operate in June 2015
No Differential Pressure Readings

Chart Period
3/2/2015 - 3/8/2015

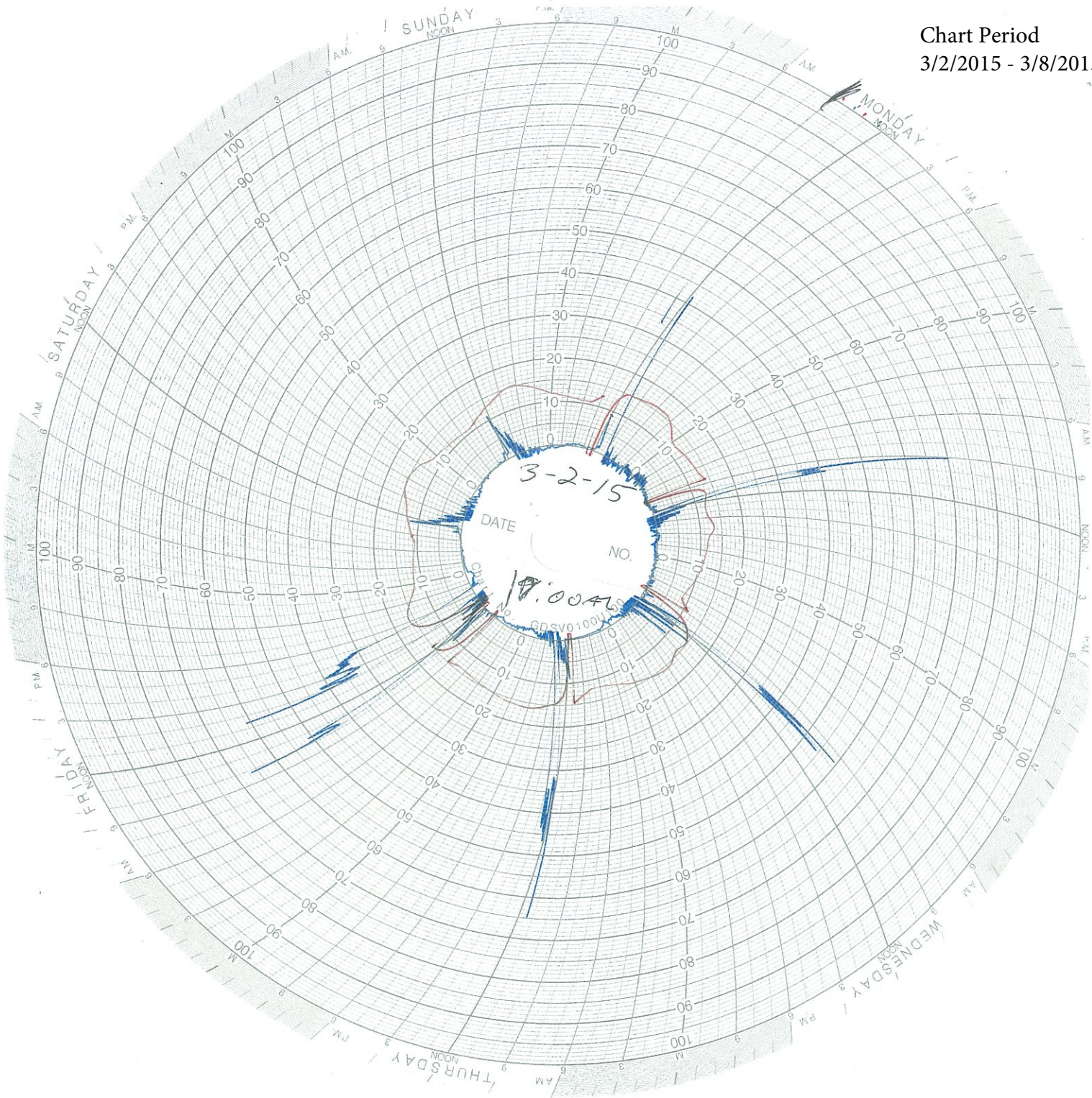


Chart Period
3/9/2015 - 3/15/2015

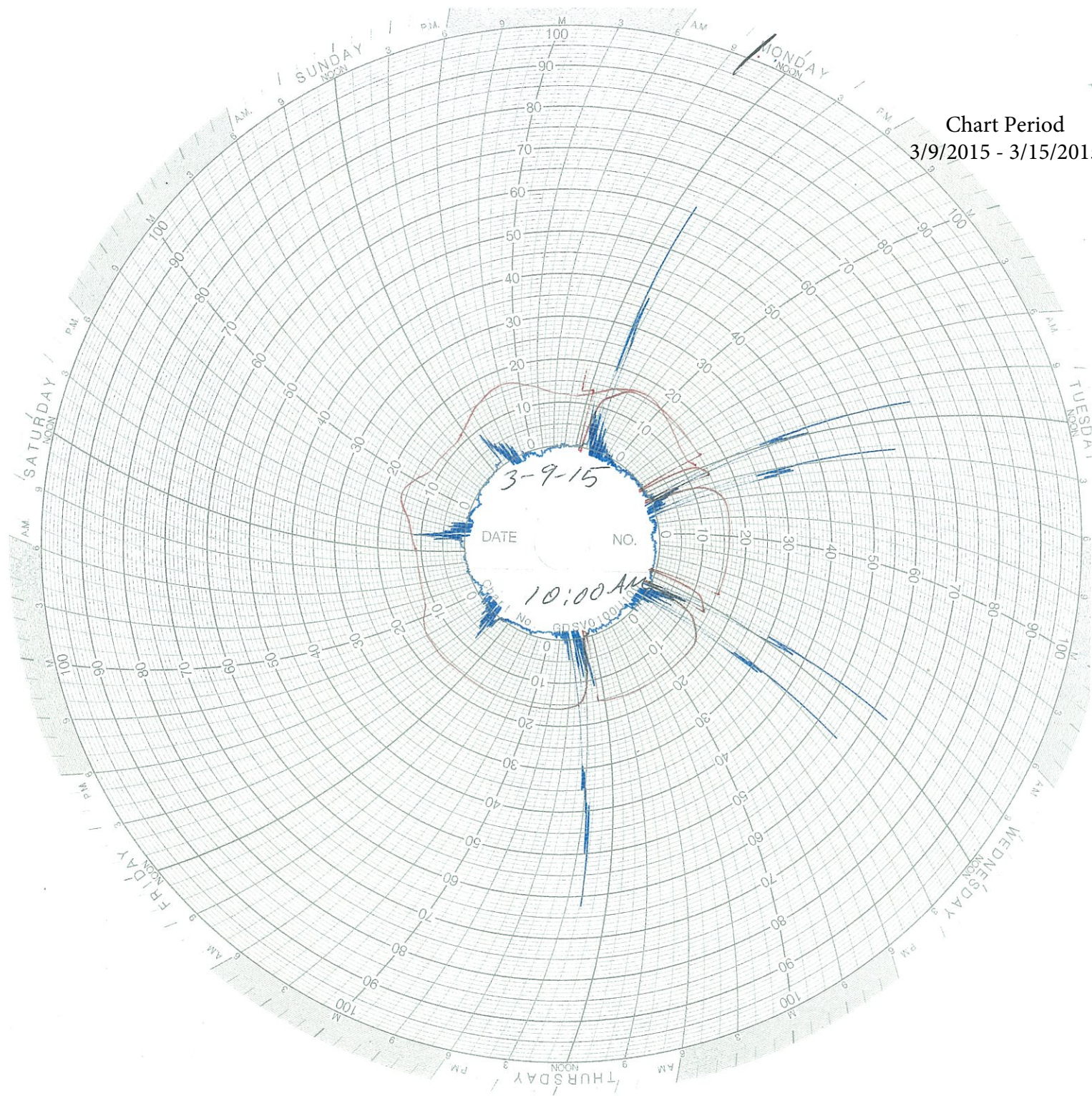


Chart Period
3/17/2015 - 3/22/2015

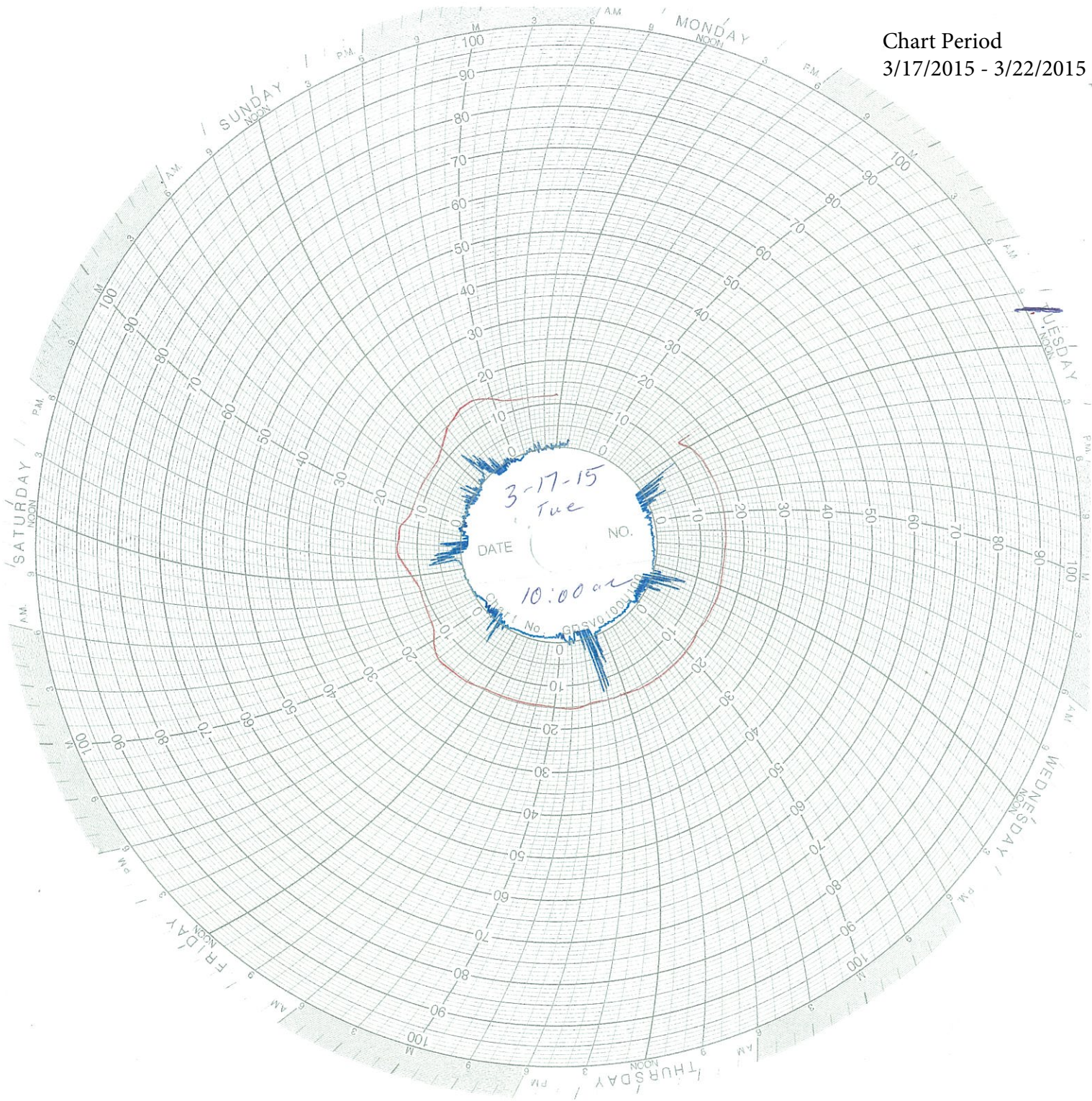


Chart Period
3/23/2015 - 3/29/2015

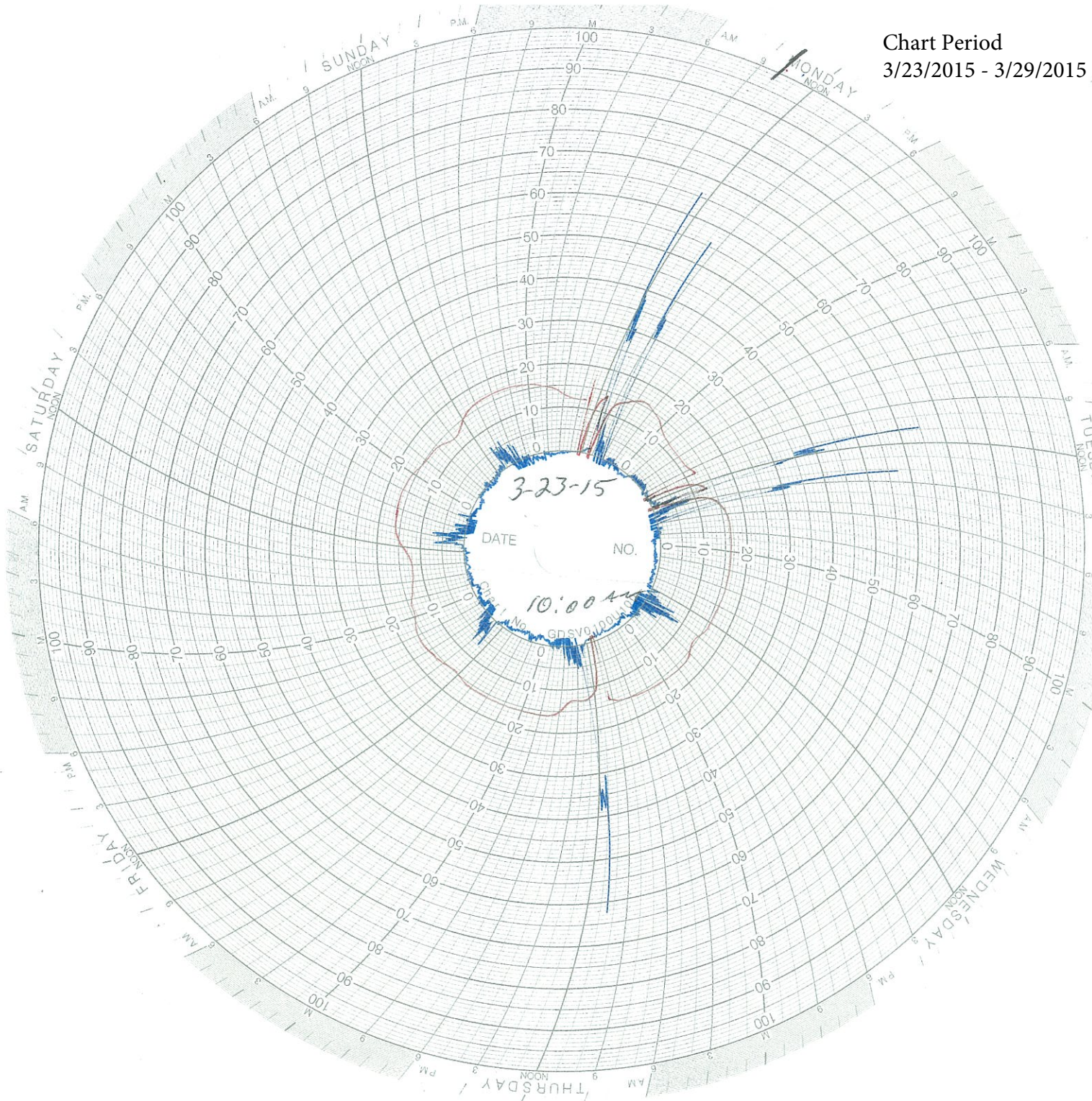


Chart Period
3/30/2015 - 4/5/2015

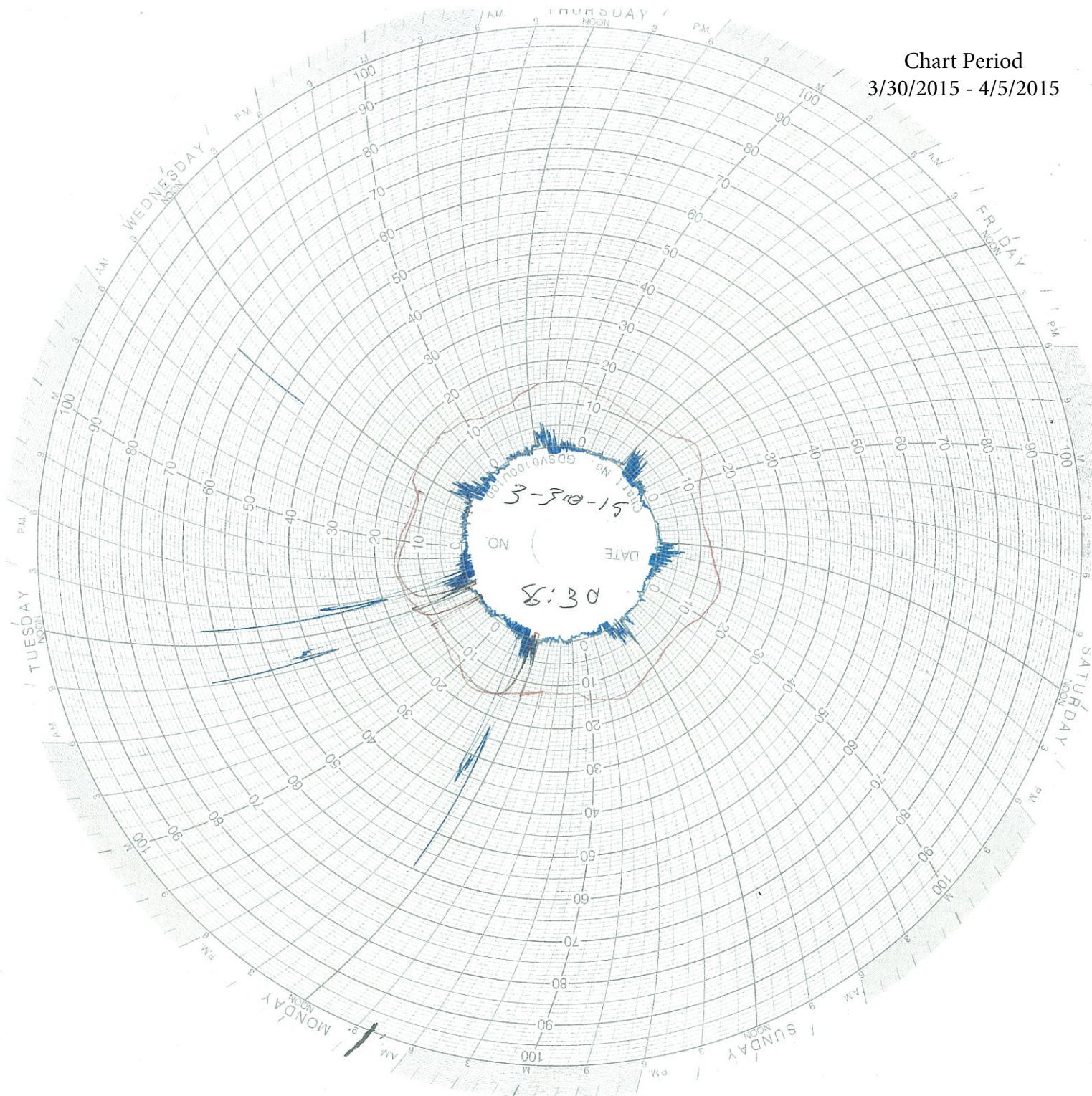


Chart Period
4/6/2015 - 4/12/2015

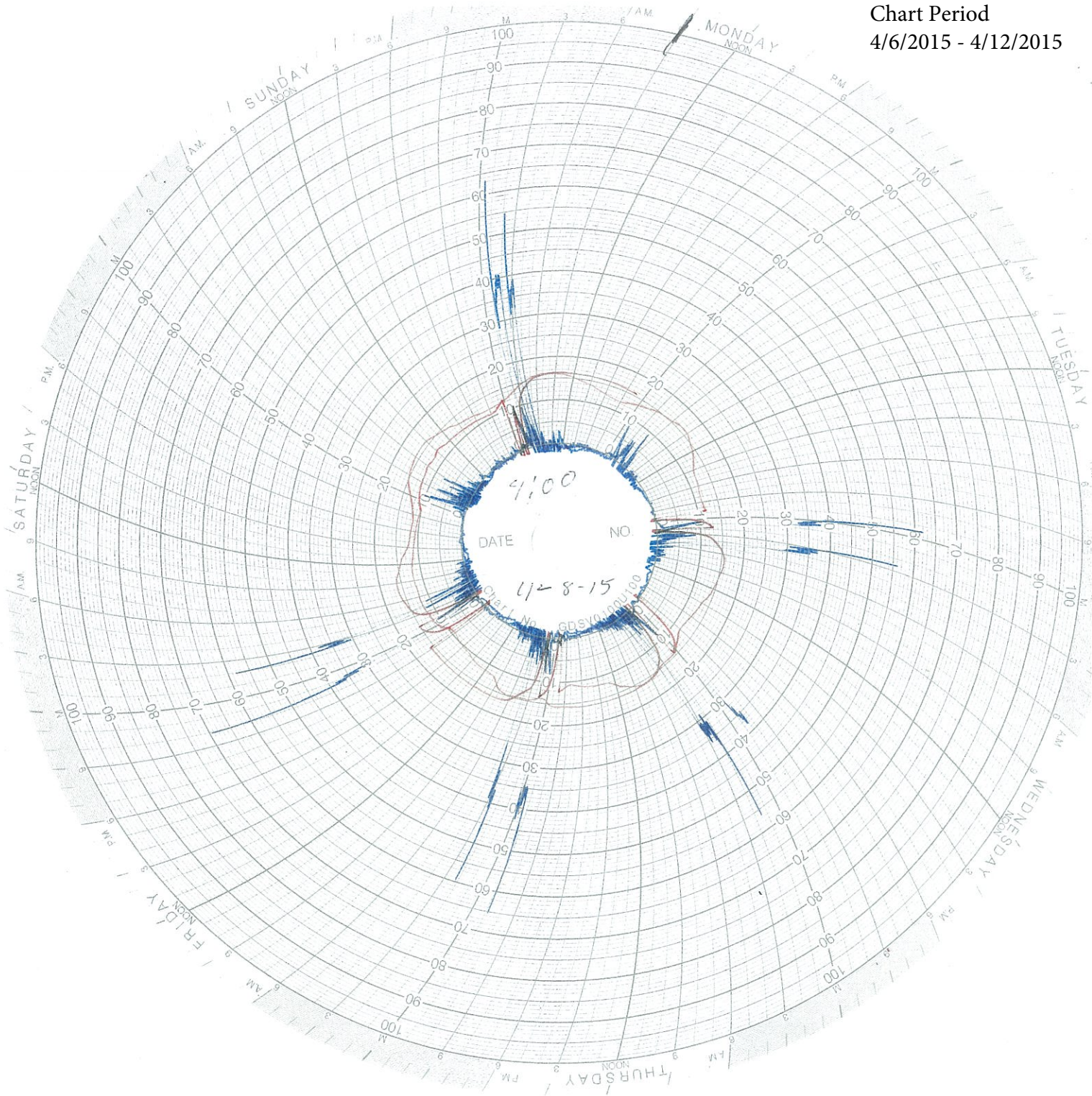


Chart Period
4/27/2015 - 5/3/2015

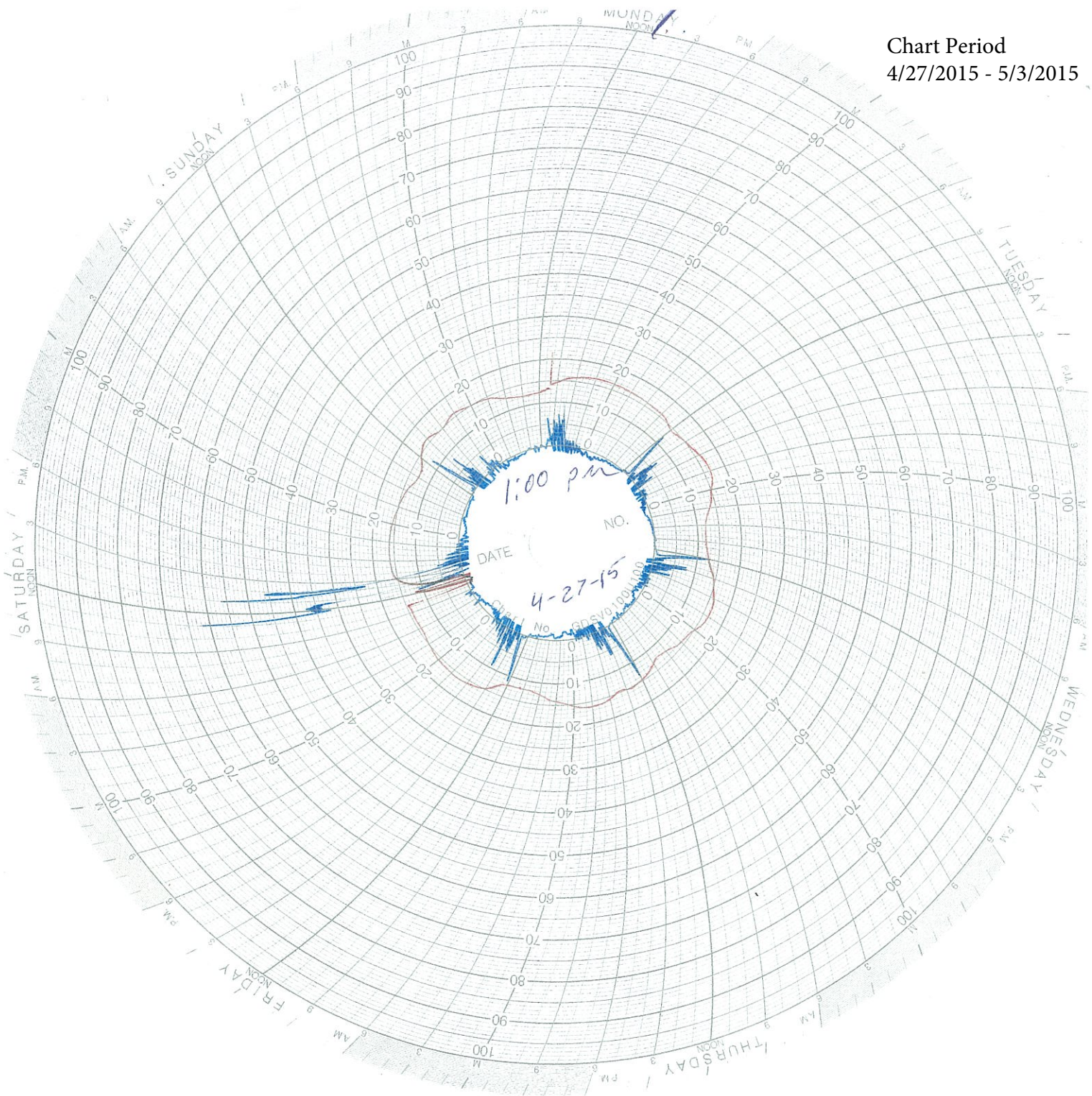


Chart Period
4/20/2015 -
4/26/2015

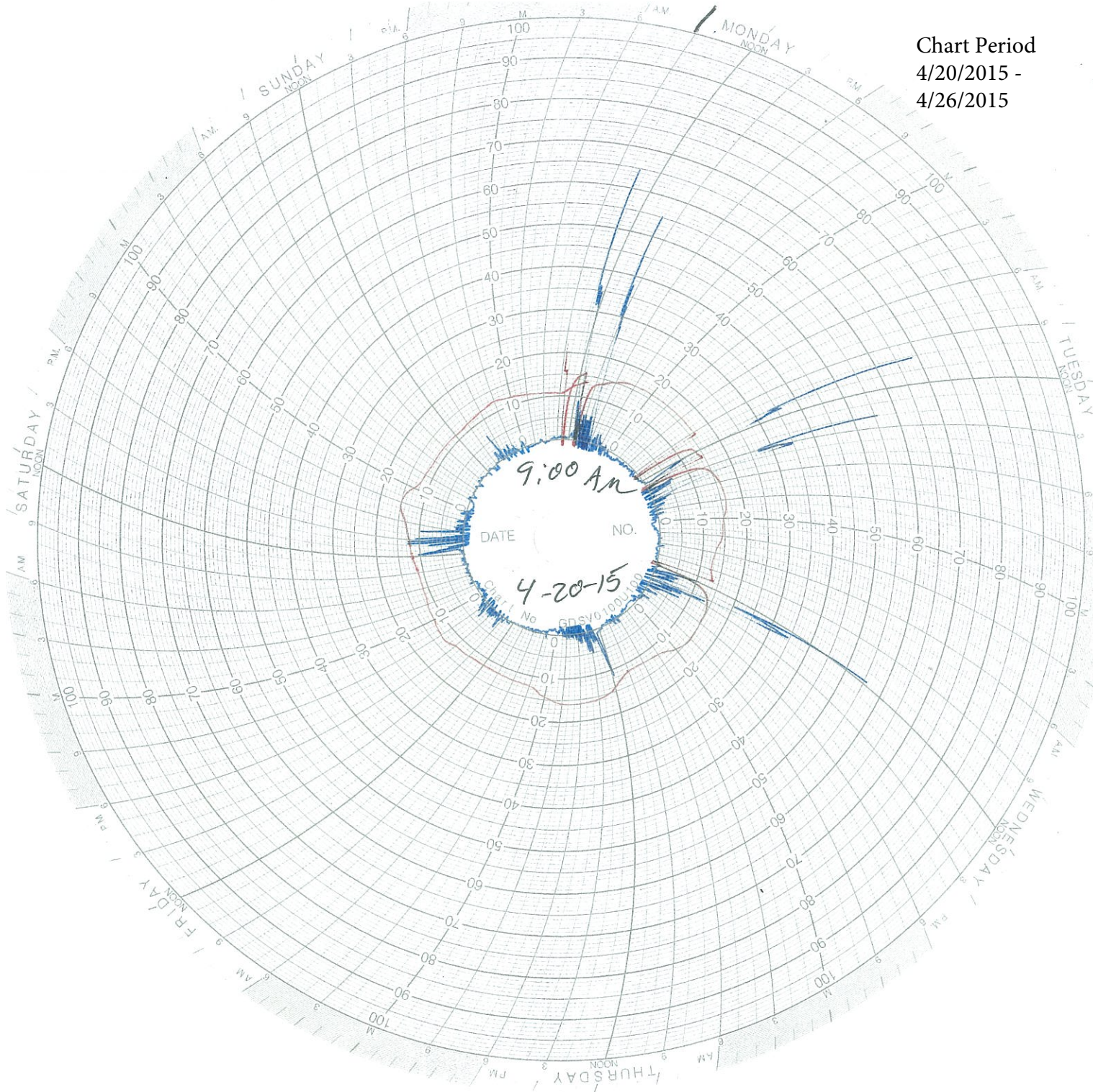


Chart Period
May 4 - May 10, 2015

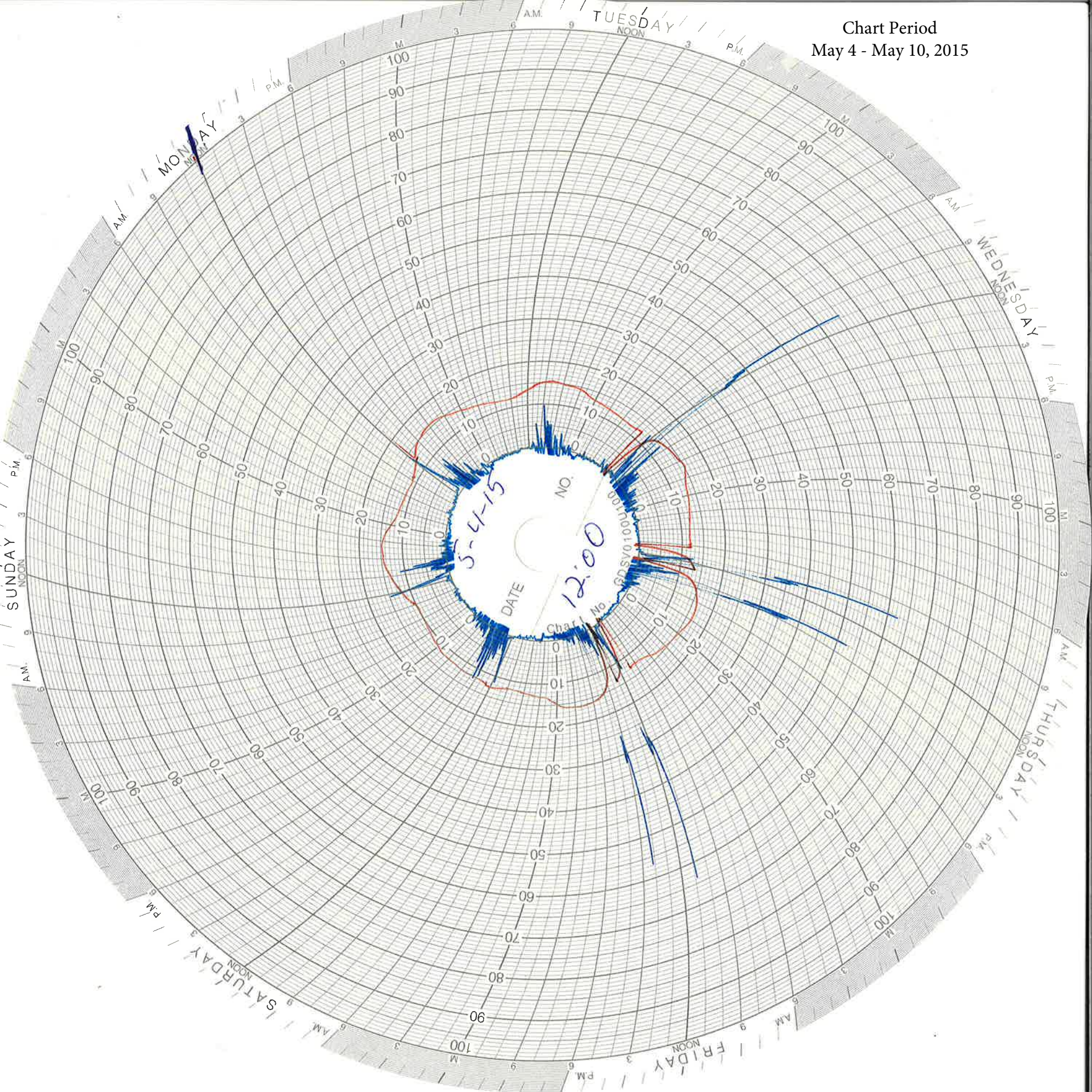


Chart Period
May 11 - May 17, 2015

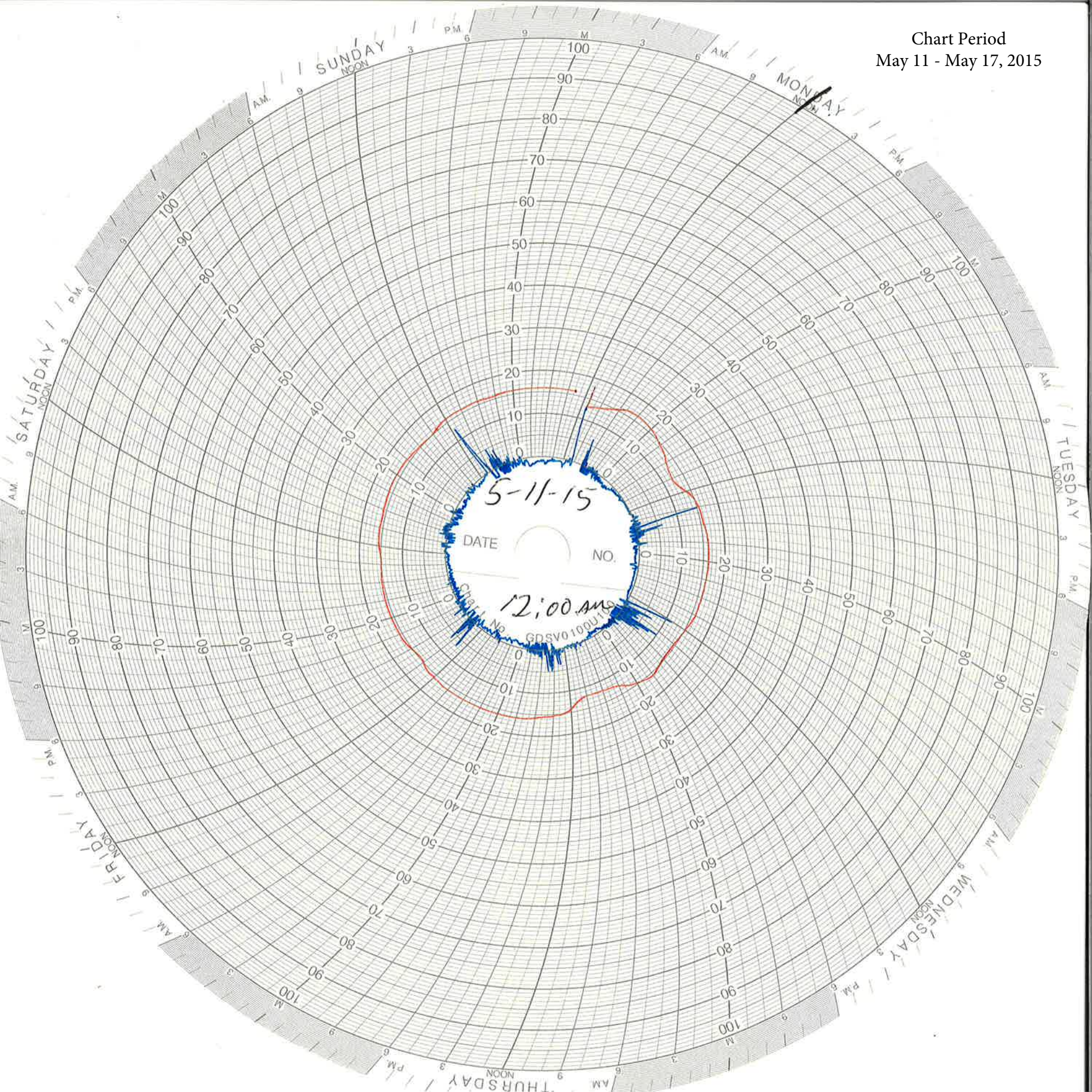


Chart Period
May 18 - May 24, 2015

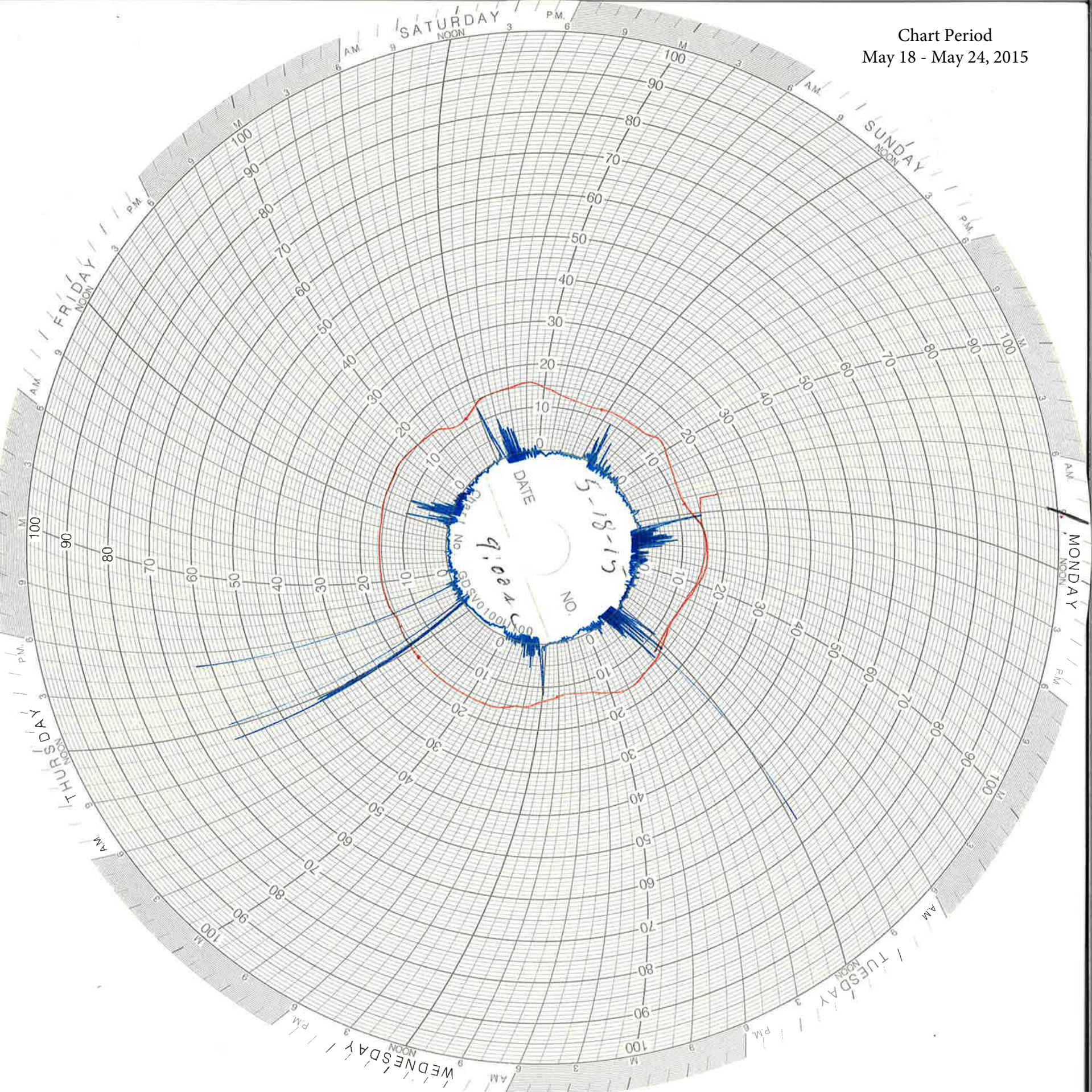
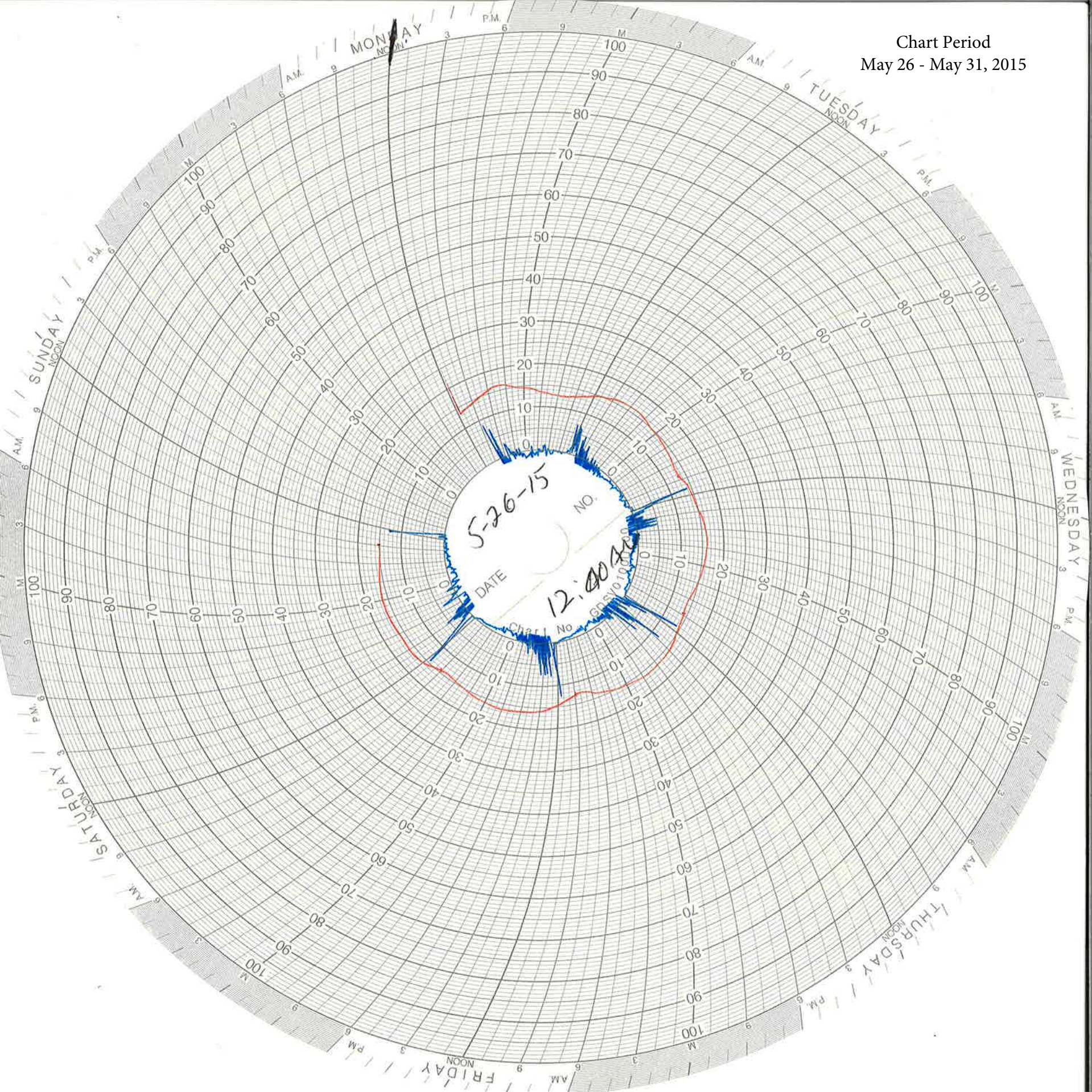


Chart Period
May 26 - May 31, 2015



ATTACHMENT A607.C.

Asphalt Plant

Method 9 Opacity Reports



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

Source Name: TA60 Asphalt Batch Plant	
Source Location: TA 60-233	
Type of Source: Asphalt Plant	Type of Control Equipment: Bag House
Describe Emission Point (Top of stack, etc.): Baghouse Stack	
Height Above Ground Level: 33 Feet	Height Relative to Observer: 27 Feet
Distance From Observer: 75 Feet	Direction of Source From Observer: West
Description of Plume (stack exit only) <input type="checkbox"/> Lofting <input type="checkbox"/> Trapping <input type="checkbox"/> Looping <input type="checkbox"/> Fanning <input type="checkbox"/> Coming <input checked="" type="checkbox"/> No Plume Present	
Emission Color: N/A	Plume Type: <input checked="" type="checkbox"/> No Plume Present <input type="checkbox"/> Continuous <input type="checkbox"/> Fugitive <input type="checkbox"/> Intermittent
Water Droplets Present? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES IF YES, droplet plume is <input type="checkbox"/> Attached <input type="checkbox"/> Detached	
At what point in the plume was opacity determined? 2' Above Stack Top	
Describe Background (i.e. blue sky, trees, etc.): Blue / grey sky	
Background Color: Blue/Grey	Sky Conditions: Partly Cloudy
Wind Speed: 0-5 mph	Wind Direction (provide from/to, i.e. from North to South): From S
Ambient Temperature: 54 °F	Relative Humidity: 23 %
Additional Comments/Information:	

Observation Date 3/23/15		Start Time 10:46		End Time 10:52	Comments
Min	Sec	0	15	30	
1		0	0	0	
2		0	0	0	
3		0	0	0	
4		0	0	0	
5		0	0	0	
6		0	0	0	
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

<p>Stack with Plume: </p> <p>Sun: </p> <p>Wind: </p>	<p>SOURCE LAYOUT SKETCH</p> <p>Emission Point: X</p> <p>Draw Arrow in North Direction: </p> <p>OBSERVER'S POSITION: </p> <p>SUN LOCATION LINE: </p>
--	---

Average 6-Minute Opacity: 0	Range of Opacity Readings Min. 0 Max. 0
OBSERVER (please print) Name: C. Heintschel Title: DEP	
Signature: 	Date: 3/23/15
Observer Organization: DSESH- UIMS	
Certified by: ETA	Certification Date: 2/25/15

[Lab Home](#) | [Phone](#) | [Search](#)Date: Monday, March 23, 2015 | Time: 11:10 MDT (17:10 UTC) | [Time Note »](#)

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LOS ALAMOS NATIONAL LABORATORY

[LANL Observations](#) ▼[Regional/U.S. Observations](#) ▼[Forecast Products](#) ▼[LANL Climatology](#) ▼[Data Requests](#) ▼

■ LANL Observations > Table Summaries

The table below provides a snapshot of current conditions at each tower location. Wind variables are measured at 11 meters above the ground (36 meters at PJMT) and the atmospheric state variables (temperature, humidity, and pressure) are measured at 1.2 meters above the ground (2 meters at PJMT).

Other Text Summaries Available: [15-Minute Short Summary \(English\)](#) ▼

Current Observations:

English | [Metric](#)

	TA6	TA41	TA49	TA53	TA54
Tower (tower)					
Date (mm/dd)	03/23	03/23	03/23	03/23	03/23
Time (hhmm)	1000	1000	1000	1000	1000
Wind Speed (mph)	13.2	7.4	11.6	4.0	10.3
Wind Direction (deg)	278	261	239	117	198
Max Gust (mph)	30.2	15.0	23.5	25.3	16.3
Max Gust Direction (deg)	274	261	239	302	249
Time of Max Gust (hhmm)	945	1000	1000	215	30
Temperature (deg-F)	54.5	55.8	55.8	52.9	54.7
Max Temp Since Midnight (deg-F)	55.2	55.8	55.8	53.1	54.7
Time of Max Temp (hhmm)	945	1000	1000		1000
Min Temp Since Midnight (deg-F)	42.8	34.7	42.3	46.2	37.6
Time of Min Temp (hhmm)	645	345	630	745	400
Pressure (mb)	777.2	-	-	-	801.9
Relative Humidity (%)	23	-	24	31	*
Dew Point Temperature (deg-F)	18.0	-	19.8	23.5	-9.8
Precip Last 15 Minutes (in)	0.00	-	0.00	0.00	0.00
Precip Since Midnight (in)	0.00	-	0.00	0.00	0.00
Downwelling Shortwave (BTU/hr*ft^2)	139	115	178	163	204
windchill (deg-C)	10.5	12.2	11.6	11.2	11.0

NOTE: All times are reported in Mountain Standard Time (MST).

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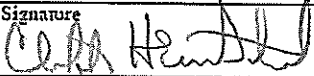
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Observation Date 4/8/15		Start Time 9:06		End Time 9:12	
Min \ Sec	0	15	30	45	Comments
1	Ø	Ø	Ø	Ø	
2	Ø	Ø	Ø	Ø	
3	Ø	Ø	Ø	Ø	
4	Ø	Ø	Ø	Ø	
5	Ø	Ø	Ø	Ø	
6	Ø	Ø	Ø	Ø	
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

Average 6-Minute Opacity ϕ		Range of Opacity Readings Min. ϕ Max. ϕ	
OBSERVER (please print) Name: C. Heintschel Title: DEP			
Signature 		Date 4/8/15	
Observer/ Organization DSESH- UIMS			
Certified by ETA		Certification Date 2/25/15	

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Date: Wednesday, April 08, 2015 | Time: 09:26 MDT (15:26 UTC) | [Time Note](#)

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[LANL Observations > Table Summaries](#)

The table below provides a snapshot of current conditions at each tower location. Wind variables are measured at 11 meters above the ground (36 meters at PJMT) and the atmospheric state variables (temperature, humidity, and pressure) are measured at 1.2 meters above the ground (2 meters at PJMT).

Other Text Summaries Available: [15-Minute Short Summary \(English\)](#)

Current Observations:	English | Metric				
Tower (tower)	TA6	TA41	TA49	TA53	TA54
Date (mm/dd)	04/08	04/08	04/08	04/08	04/08
Time (hhmm)	0815	0815	0815	0815	0815
Wind Speed (mph)	16.1	7.2	14.8	22.8	15.0
Wind Direction (deg)	226	317	204	208	214
Max Gust (mph)	34.0	15.2	26.8	38.7	25.1
Max Gust Direction (deg)	220	317	206	208	204
Time of Max Gust (hhmm)	800	815	800	815	745
Temperature (deg-F)	54.3	56.8	54.5	54.0	55.9
Max Temp Since Midnight (deg-F)	54.3	56.8	54.5	54.0	55.9
Time of Max Temp (hhmm)	815	815	815	815	815
Min Temp Since Midnight (deg-F)	44.2	38.1	45.5	48.0	42.1
Time of Min Temp (hhmm)	315	130	115	615	115
Pressure (mb)	770.5	-	-	-	795.2
Relative Humidity (%)	32	-	26	30	24
Dew Point Temperature (deg-F)	25.3	-	21.2	23.5	19.9
Precip Last 15 Minutes (in)	0.00	-	0.00	0.00	0.00
Precip Since Midnight (in)	0.00	-	0.00	0.00	0.00
Downwelling Shortwave (BTU/hr*ft^2)	168	165	153	169	139
windchill (deg-C)	10.0	13.0	10.3	9.1	11.3

NOTE: All times are reported in Mountain Standard Time (MST).

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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: Bag House
Describe Emission Point (Top of stack, etc.): Baghouse Stack	
Height Above Ground Level: 33 Feet	Height Relative to Observer: 27 Feet
Distance From Observer: 75 Feet	Direction of Source From Observer: West
Description of Plume (stack exit only): <input type="checkbox"/> Lofting <input type="checkbox"/> Trapping <input type="checkbox"/> Looping <input type="checkbox"/> Fanning <input type="checkbox"/> Coning <input checked="" type="checkbox"/> No Plume Present	
Emission Color: N/A	Plume Type: <input checked="" type="checkbox"/> No Plume Present <input type="checkbox"/> Continuous <input type="checkbox"/> Fugitive <input type="checkbox"/> Intermittent
Water Droplets Present? <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES If YES, droplet plume is <input type="checkbox"/> Attached <input type="checkbox"/> Detached	
At what point in the plume was opacity determined? 2' above stack top	
Describe Background (i.e. blue sky, trees, etc.): Blue-Grey Sky	
Background Color: Blue-Grey	Sky Conditions: Partly Cloudy
Wind Speed: 5-8 mph	Wind Direction: (provide from-to, i.e. from North to South) From NW
Ambient Temperature: 50 °F	Relative Humidity: 60 %
Additional Comments/Information:	

Stack with Plume:	<p>SOURCE LAYOUT SKETCH</p> <p>Emission Point: X</p> <p>Draw Arrow in North Direction: </p> <p>Observer's Position: </p> <p>SUN LOCATION LINE: </p>
Sun:	
Wind:	

Observation Date: 5/6/15		Start Time: 9:56		End Time: 10:02	
Min	Sec	0	15	30	45
1		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
6		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
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: C. Heintschel Title: DEP					
Signature: C. Heintschel				Date: 5/6/15	
Observer Organization: QESH-VIMS					
Certified by: ETA				Certification Date: 2/25/15	

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Date: Wednesday, May 06, 2015 | Time: 10:27 MDT (16:27 UTC) | [Time Note](#)

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LANL Observations > Table Summaries

The table below provides a snapshot of current conditions at each tower location. Wind variables are measured at 11 meters above the ground (36 meters at PJMT) and the atmospheric state variables (temperature, humidity, and pressure) are measured at 1.2 meters above the ground (2 meters at PJMT).

Other Text Summaries Available: [15-Minute Short Summary \(English\)](#)

Current Observations:	English | Metric				
Tower (tower)	TA6	TA41	TA49	TA53	TA54
Date (mm/dd)	05/06	05/06	05/06	05/06	05/06
Time (hhmm)	0915	0915	0915	0915	0915
Wind Speed (mph)	8.5	1.3	7.8	5.1	4.7
Wind Direction (deg)	279	241	207	281	234
Max Gust (mph)	21.3	6.9	17.0	17.2	17.2
Max Gust Direction (deg)	279	74	174	196	205
Time of Max Gust (hhmm)	915	800	145	245	215
Temperature (deg-F)	52.5	53.2	55.6	54.9	56.8
Max Temp Since Midnight (deg-F)	52.5	53.2	55.6	54.9	56.8
Time of Max Temp (hhmm)	915	915	915	915	915
Min Temp Since Midnight (deg-F)	44.6	43.2	43.3	44.2	45.0
Time of Min Temp (hhmm)	600	300	545	345	500
Pressure (mb)	770.9	-	-	-	795.6
Relative Humidity (%)	60	-	53	57	55
Dew Point Temperature (deg-F)	39.4	-	38.7	40.1	41.0
Precip Last 15 Minutes (in)	0.00	-	0.00	0.00	0.00
Precip Since Midnight (in)	0.00	-	0.00	0.00	0.00
Downwelling Shortwave (BTU/hr*ft^2)	110	75	210	279	158
windchill (deg-C)	9.8	11.8	11.9	12.1	13.6

NOTE: All times are reported in Mountain Standard Time (MST).

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ATTACHMENT A607.E.

Asphalt Plant

Daily Operation Log and
12-Month Rolling Production

2015 TA-60 BDM Asphalt Plant

Data Reviewed By / Date: Margie Stockton/July 10, 2015

Data Entry		Data Entry		Annual Hours			
Month	Asphalt Produced (Tons)	12-Month Rolling Total	Month	Asphalt Produced (Tons)	12-Month Rolling Total	Month	Hours
January	31	533	July			Jan	5.2
February	14	439	August			Feb	2.8
March	57	452	September			Mar	12.2
April	61	434	October			Apr	8.7
May	32	397	November			May	3.9
June	0	390	December			Jun	0.0
6 mo. Total	195		6 mo. Total:	0		Total:	32.7
2015 Asphalt Produced (Tons):		195				Total:	0.0

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

Annual Total (to date): 32.7 Hours

Hours are Limited to 4,380 per Year

Mar 2015

Mar 2015

Mar 2015

Apr 2015

本

40-20-001.3 (08/2012)

May 2015

May 2015

May 2015

NO RUN IN TUNE 2015

525

[Signature]

ATTACHMENT A607.F.

Asphalt Plant

Maintenance Records

Attachment A607.F. – Asphalt Plant Maintenance Records

Maintenance was not conducted during this monitoring period.

ATTACHMENT A607.G.

Asphalt Plant

Method 22 Opacity Reports

Los Alamos National Laboratory METHOD 22 Visual Determination of Fugitive Emissions Form																			
Location: TAGO Asphalt Batch Plant		Observer Affiliation: DSESH- UIMS																	
Representative: C. Heintsche		Date of Inspection: 3/23/15																	
Sky Conditions: Partly Cloudy		Wind Direction: From South																	
Precipitation: Ø		Wind Speed: 0-5 mph																	
Industry: National Lab		Process Unit: Fugitive Emissions																	
Sketch of Process Unit: Indicate: * observer position relative to source * wind direction * potential emission and/or actual emission points * North direction * sun location																			
Observations: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;"></th> <th style="width: 20%;">Clock Time</th> <th style="width: 20%;">Observation period duration (min:sec)</th> <th style="width: 40%;">Accumulated Emission Time(min:sec)</th> </tr> </thead> <tbody> <tr> <td>Begin</td> <td>10:35</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td>10:00</td> <td>Ø</td> </tr> <tr> <td>End Observation</td> <td>10:45</td> <td></td> <td></td> </tr> </tbody> </table>					Clock Time	Observation period duration (min:sec)	Accumulated Emission Time(min:sec)	Begin	10:35					10:00	Ø	End Observation	10:45		
	Clock Time	Observation period duration (min:sec)	Accumulated Emission Time(min:sec)																
Begin	10:35																		
		10:00	Ø																
End Observation	10:45																		
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:		DATE:																	
		3/23/15																	

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■ LANL Observations > Table Summaries

The table below provides a snapshot of current conditions at each tower location. Wind variables are measured at 11 meters above the ground (36 meters at PJMT) and the atmospheric state variables (temperature, humidity, and pressure) are measured at 1.2 meters above the ground (2 meters at PJMT).

Other Text Summaries Available: [15-Minute Short Summary \(English\)](#) ▼

Current Observations:

English | [Metric](#)

	TA6	TA41	TA49	TA53	TA54
Tower (tower)					
Date (mm/dd)	03/23	03/23	03/23	03/23	03/23
Time (hhmm)	1000	1000	1000	1000	1000
Wind Speed (mph)	13.2	7.4	11.6	4.0	10.3
Wind Direction (deg)	278	261	239	117	198
Max Gust (mph)	30.2	15.0	23.5	25.3	16.3
Max Gust Direction (deg)	274	261	239	302	249
Time of Max Gust (hhmm)	945	1000	1000	215	30
Temperature (deg-F)	54.5	55.8	55.8	52.9	54.7
Max Temp Since Midnight (deg-F)	55.2	55.8	55.8	53.1	54.7
Time of Max Temp (hhmm)	945	1000	1000		1000
Min Temp Since Midnight (deg-F)	42.8	34.7	42.3	46.2	37.6
Time of Min Temp (hhmm)	645	345	630	745	400
Pressure (mb)	777.2	-	-	-	801.9
Relative Humidity (%)	23	-	24	31	*
Dew Point Temperature (deg-F)	18.0	-	19.8	23.5	-9.8
Precip Last 15 Minutes (in)	0.00	-	0.00	0.00	0.00
Precip Since Midnight (in)	0.00	-	0.00	0.00	0.00
Downwelling Shortwave (BTU/hr*ft^2)	139	115	178	163	204
windchill (deg-C)	10.5	12.2	11.6	11.2	11.0

NOTE: All times are reported in Mountain Standard Time (MST).

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Los Alamos National Laboratory METHOD 22 Visual Determination of Fugitive Emissions Form																			
Location: <u>TA60 Asphalt Batch Plant</u>		Observer Affiliation: <u>DSESH-VIMS</u>																	
Representative: <u>C. Heintschel</u>		Date of Inspection: <u>4/8/15</u>																	
Sky Conditions: <u>Clear</u>		Wind Direction: <u>From South</u>																	
Precipitation: <u>Ø</u>		Wind Speed: <u>15-20 mph</u>																	
Industry: <u>National Lab</u>		Process Unit: <u>Fugitive Emissions</u>																	
Sketch of Process Unit: <u>Indicate:</u> * observer position relative to source * wind direction * potential emission and/or actual emission points * North direction * sun location																			
Observations: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;"></th> <th style="width: 20%;">Clock Time</th> <th style="width: 20%;">Observation period duration (min:sec)</th> <th style="width: 40%;">Accumulated Emission Time(min:sec)</th> </tr> </thead> <tbody> <tr> <td>Begin</td> <td style="text-align: center;"><u>8:55</u></td> <td style="text-align: center;"><u> </u></td> <td style="text-align: center;"><u> </u></td> </tr> <tr> <td></td> <td style="text-align: center;"><u> </u></td> <td style="text-align: center;"><u>10:00</u></td> <td style="text-align: center;"><u>Ø</u></td> </tr> <tr> <td>End Observation</td> <td style="text-align: center;"><u>9:05</u></td> <td style="text-align: center;"><u> </u></td> <td style="text-align: center;"><u> </u></td> </tr> </tbody> </table>					Clock Time	Observation period duration (min:sec)	Accumulated Emission Time(min:sec)	Begin	<u>8:55</u>	<u> </u>	<u> </u>		<u> </u>	<u>10:00</u>	<u>Ø</u>	End Observation	<u>9:05</u>	<u> </u>	<u> </u>
	Clock Time	Observation period duration (min:sec)	Accumulated Emission Time(min:sec)																
Begin	<u>8:55</u>	<u> </u>	<u> </u>																
	<u> </u>	<u>10:00</u>	<u>Ø</u>																
End Observation	<u>9:05</u>	<u> </u>	<u> </u>																
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:		DATE:																	
		<u>4/8/15</u>																	

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[LANL Observations > Table Summaries](#)

The table below provides a snapshot of current conditions at each tower location. Wind variables are measured at 11 meters above the ground (36 meters at PJMT) and the atmospheric state variables (temperature, humidity, and pressure) are measured at 1.2 meters above the ground (2 meters at PJMT).


Other Text Summaries Available: [15-Minute Short Summary \(English\)](#) ▾

Current Observations:	English | Metric				
Tower (tower)	TA6	TA41	TA49	TA53	TA54
Date (mm/dd)	04/08	04/08	04/08	04/08	04/08
Time (hhmm)	0815	0815	0815	0815	0815
Wind Speed (mph)	16.1	7.2	14.8	22.8	15.0
Wind Direction (deg)	226	317	204	208	214
Max Gust (mph)	34.0	15.2	26.8	38.7	25.1
Max Gust Direction (deg)	220	317	206	208	204
Time of Max Gust (hhmm)	800	815	800	815	745
Temperature (deg-F)	54.3	56.8	54.5	54.0	55.9
Max Temp Since Midnight (deg-F)	54.3	56.8	54.5	54.0	55.9
Time of Max Temp (hhmm)	815	815	815	815	815
Min Temp Since Midnight (deg-F)	44.2	38.1	45.5	48.0	42.1
Time of Min Temp (hhmm)	315	130	115	615	115
Pressure (mb)	770.5	-	-	-	795.2
Relative Humidity (%)	32	-	26	30	24
Dew Point Temperature (deg-F)	25.3	-	21.2	23.5	19.9
Precip Last 15 Minutes (in)	0.00	-	0.00	0.00	0.00
Precip Since Midnight (in)	0.00	-	0.00	0.00	0.00
Downwelling Shortwave (BTU/hr*ft^2)	168	165	153	169	139
windchill (deg-C)	10.0	13.0	10.3	9.1	11.3

NOTE: All times are reported in Mountain Standard Time (MST).

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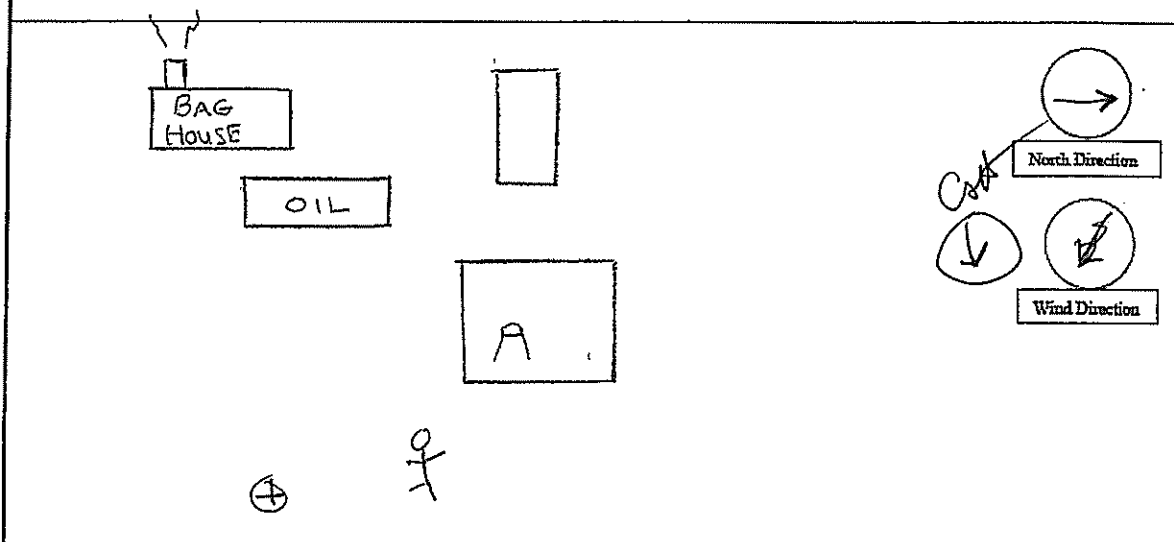
**Los Alamos National Laboratory
METHOD 22 Visual Determination of Fugitive Emissions Form**

Location: TA 60 Asphalt Batch Plant	Observer Affiliation: DSESH-UIMS
Representative: C. Heintschel	Date of Inspection: 5/6/15
Sky Conditions: Partly Cloudy	Wind Direction: From NW
Precipitation: \emptyset	Wind Speed: 5-8 MPH
Industry: National Lab	Process Unit: Fugitive Emissions

Sketch of Process Unit:

Indicate:

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



Observations:	Clock Time	Observation period duration (min:sec)	Accumulated Emission Time(min:sec)
Begin	9:45		
		10:00	\emptyset
End Observation	9:55		

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:

C. Heintschel

DATE:

5/6/15

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Date: Wednesday, May 06, 2015 | Time: 10:27 MDT (16:27 UTC) | [Time Note](#)

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LANL Observations > Table Summaries

The table below provides a snapshot of current conditions at each tower location. Wind variables are measured at 11 meters above the ground (36 meters at PJMT) and the atmospheric state variables (temperature, humidity, and pressure) are measured at 1.2 meters above the ground (2 meters at PJMT).

Other Text Summaries Available: [15-Minute Short Summary \(English\)](#)

Current Observations:	English | Metric				
Tower (tower)	TA6	TA41	TA49	TA53	TA54
Date (mm/dd)	05/06	05/06	05/06	05/06	05/06
Time (hhmm)	0915	0915	0915	0915	0915
Wind Speed (mph)	8.5	1.3	7.8	5.1	4.7
Wind Direction (deg)	279	241	207	281	234
Max Gust (mph)	21.3	6.9	17.0	17.2	17.2
Max Gust Direction (deg)	279	74	174	196	205
Time of Max Gust (hhmm)	915	800	145	245	215
Temperature (deg-F)	52.5	53.2	55.6	54.9	56.8
Max Temp Since Midnight (deg-F)	52.5	53.2	55.6	54.9	56.8
Time of Max Temp (hhmm)	915	915	915	915	915
Min Temp Since Midnight (deg-F)	44.6	43.2	43.3	44.2	45.0
Time of Min Temp (hhmm)	600	300	545	345	500
Pressure (mb)	770.9	-	-	-	795.6
Relative Humidity (%)	60	-	53	57	55
Dew Point Temperature (deg-F)	39.4	-	38.7	40.1	41.0
Precip Last 15 Minutes (in)	0.00	-	0.00	0.00	0.00
Precip Since Midnight (in)	0.00	-	0.00	0.00	0.00
Downwelling Shortwave (BTU/hr*ft^2)	110	75	210	279	158
windchill (deg-C)	9.8	11.8	11.9	12.1	13.6

NOTE: All times are reported in Mountain Standard Time (MST).

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ATTACHMENT A707.B.a.

Beryllium

TA-03-0066 Beryllium Logs

Semi-Annual Monitoring Report
Sigma Facility TA-03-0066

January 1, 2015 - June 30, 2015

Metallography	Date	Number of Metallographic Specimens Used in the Polishing Operation
	2/6/2015	8
	2/24/2015	5
	6/16/2015	1

Note: Information required under Title V Operating Permit P100-R2, Section A707.B, Emissions Monitoring Requirements and A707.D, Reporting Requirements

Semi-Annual Monitoring Report
Sigma Facility TA-03-0066

January 1, 2015 - June 30, 2015

Electroplating/Chemical Milling	Date	Weight or Volume of Beryllium Samples Processed	UOM
		No samples processed	

Note: Information required under Title V Operating Permit P100-R2, Section A707.B, Emissions Monitoring Requirements and A707.D, Reporting Requirements

Semi-Annual Monitoring Report
Sigma Facility TA-03-0066

January 1, 2015 - June 30, 2015

Machining	Date	Weight or Volume of Beryllium	UOM
		No samples processed	

Arc Melting/Casting	Date	Weight or Volume of	UOM
		No samples processed	

Note: Information required under Title V Operating Permit P100-R2, Section A707.B, Emissions Monitoring Requirements and A707.D, Reporting Requirements

ATTACHMENT A707.B.b.

Beryllium

TA-35-0213 Beryllium Operating Log

March - June 2015

Sum Total of hours for March 1 - June 30, 2015: 323

ATTACHMENT A707.C.a.

Beryllium

TA-03-0141 Beryllium HEPA Filter Differential Pressure Readings

TA-03-0141 New Mexico State Report for

March-2015

	EXHAUST_HEPA_1_DP				EXHAUST_HEPA_2_DP				DUST_COLLECTOR_DP		
	04:00	12:00	20:00		04:00	12:00	20:00		04:00	12:00	20:00
03/01/15	4.11	4.29	4.13		1.88	1.94	1.90		0.81	0.84	0.81
03/02/15	4.14	4.28	4.32		1.89	1.95	1.95		0.81	0.87	0.90
03/03/15	4.20	4.26	4.19		1.93	1.93	1.94		0.79	0.87	0.85
03/04/15	4.13	4.21	4.22		1.88	1.93	1.94		0.77	0.88	0.89
03/05/15	4.18	5.27	4.18		1.92	2.26	1.90		0.73	0.83	0.85
03/06/15	4.16	4.25	4.20		1.89	1.93	1.90		0.81	1.03	0.89
03/07/15	4.15	4.21	4.22		1.89	1.91	1.91		0.82	0.82	0.86
03/08/15	4.19	4.24	4.28		1.90	1.92	1.94		0.81	0.85	0.85
03/09/15	4.21	4.36	4.22		1.92	1.98	1.91		0.81	0.90	0.90
03/10/15	4.15	4.28	4.21		1.89	1.95	1.91		0.83	0.90	0.89
03/11/15	4.23	4.33	4.25		1.92	1.96	1.93		0.84	0.94	0.91
03/12/15	4.23	4.34	4.25		1.92	1.95	1.94		0.87	0.90	0.92
03/13/15	4.25	4.42	4.37		1.92	1.99	1.97		0.87	0.89	0.88
03/14/15	4.28	4.38	4.27		1.94	1.96	1.94		0.84	0.86	0.86
03/15/15	4.29	4.37	4.30		1.92	1.97	1.94		0.86	0.88	0.88
03/16/15	4.29	4.42	4.49		1.94	1.99	2.01		0.85	1.09	0.92
03/17/15	4.30	4.46	4.49		1.95	2.01	2.01		0.89	0.88	0.94
03/18/15	4.34	4.61	4.34		1.95	2.06	1.95		0.87	0.92	0.87
03/19/15	4.20	4.24	4.39		1.89	1.92	1.99		0.87	0.94	0.95
03/20/15	4.24	4.34	4.42		1.92	1.95	1.99		0.83	0.89	0.96
03/21/15	4.25	4.30	4.40		1.92	1.94	1.98		0.87	0.87	0.85
03/22/15	4.25	4.34	4.25		1.92	1.94	1.91		0.91	0.89	0.88
03/23/15	4.24	4.49	4.46		1.93	2.00	1.99		0.91	0.90	0.92
03/24/15	4.45	4.31	4.40		1.99	1.94	1.97		0.82	0.94	0.91
03/25/15	4.25	4.35	4.22		1.91	1.98	1.91		0.89	0.90	0.88
03/26/15	4.18	4.30	4.28		1.88	1.95	1.93		0.84	0.88	0.91
03/27/15	4.23	4.35	4.61		1.90	1.95	2.05		0.87	1.19	0.92
03/28/15	4.40	4.29	4.41		1.96	1.92	1.97		0.86	0.93	0.92
03/29/15	4.39	4.28	4.47		1.97	1.92	2.00		0.91	0.92	0.96
03/30/15	4.29	4.55	4.56		1.92	2.04	2.03		0.91	1.22	0.94
03/31/15	4.27	4.55	4.50		1.93	2.03	2.00		0.89	1.25	0.92

TA-03-0141 New Mexico State Report for

March-2015

	EXHAUST_HEPA_1_DP	EXHAUST_HEPA_2_DP	DUST_COLLECTOR_DP
Average:	4.32	1.95	0.89
Median:	4.28	1.94	0.88
Min:	4.11	1.88	0.73
Max:	5.27	2.26	1.25

	EXHAUST_HEPA_1_DP			EXHAUST_HEPA_2_DP			DUST_COLLECTOR_DP		
	04:00	12:00	20:00	04:00	12:00	20:00	04:00	12:00	20:00
04/01/15	4.40	4.65	4.76	1.96	2.07	2.10	0.88	1.23	0.91
04/02/15	4.54	4.74	4.42	2.02	2.09	1.98	0.87	0.90	0.89
04/03/15	4.37	4.40	4.32	1.97	1.99	1.94	0.83	1.09	0.94
04/04/15	4.34	4.40	4.32	1.94	1.97	1.94	0.85	0.83	0.86
04/05/15	4.29	4.51	4.40	1.94	2.00	1.97	0.89	0.91	0.90
04/06/15	4.39	4.45	4.61	1.96	2.00	2.04	0.85	1.06	0.92
04/07/15	4.39	4.51	4.53	1.96	2.00	2.02	0.87	0.99	0.95
04/08/15	4.39	4.78	4.52	1.95	2.11	2.01	0.92	1.19	0.93
04/09/15	4.35	4.50	4.39	1.95	2.01	1.97	0.85	0.93	0.92
04/10/15	4.46	4.60	4.42	1.99	2.05	1.97	0.85	0.91	0.89
04/11/15	4.41	4.48	4.46	1.97	2.00	1.99	0.84	0.88	0.90
04/12/15	4.45	4.50	4.52	1.98	2.00	2.03	0.86	0.88	0.89
04/13/15	4.48	4.72	4.51	2.00	2.08	2.01	0.85	1.11	0.94
04/14/15	4.44	4.72	4.46	1.99	2.09	1.99	0.84	1.14	0.89
04/15/15	4.45	4.67	4.45	1.98	2.06	2.00	0.84	0.89	0.90
04/16/15	4.48	4.62	4.58	2.00	2.05	2.05	0.85	0.86	0.84
04/17/15	4.39	4.56	4.48	1.98	2.03	2.00	0.78	1.27	0.89
04/18/15	4.42	4.54	4.43	1.98	2.02	2.00	0.82	0.79	0.81
04/19/15	4.47	4.57	4.50	2.00	2.03	2.01	0.77	0.82	0.84
04/20/15	4.48	3.15	4.78	2.01	1.51	2.10	0.82	0.85	0.92
04/21/15	4.45	3.16	4.70	1.99	1.50	2.06	0.86	1.12	0.94
04/22/15	4.49	4.82	4.44	2.01	2.12	1.98	0.89	0.90	0.88
04/23/15	4.38	4.54	4.72	1.96	2.03	2.10	0.83	0.97	0.93
04/24/15	4.46	4.62	4.75	1.98	2.05	2.09	0.86	0.86	0.87
04/25/15	4.41	4.55	4.50	1.98	2.02	1.99	0.86	0.83	0.87
04/26/15	4.49	4.56	4.50	1.99	2.02	2.02	0.81	0.79	0.85
04/27/15	4.41	4.56	4.65	1.98	2.03	2.07	0.80	0.85	0.89
04/28/15	4.73	4.90	4.71	2.09	2.15	2.07	0.79	0.79	0.77
04/29/15	4.77	4.82	4.80	2.08	2.12	2.10	0.72	0.83	0.80
04/30/15	4.72	4.79	4.81	2.09	2.10	2.11	0.77	0.77	0.89
05/01/15	4.48	4.79	4.81	1.99	2.10	2.10	0.73	0.86	0.88

TA-03-0141 New Mexico State Report for

April-2015

	EXHAUST_HEPA_1_DP	EXHAUST_HEPA_2_DP	DUST_COLLECTOR_DP
Average:	4.51	2.01	0.89
Median:	4.50	2.00	0.87
Min:	3.15	1.50	0.72
Max:	4.90	2.15	1.27

TA-03-0141 New Mexico State Report for

May-2015

	EXHAUST_HEPA_1_DP			EXHAUST_HEPA_2_DP			DUST_COLLECTOR_DP		
	04:00	12:00	20:00	04:00	12:00	20:00	04:00	12:00	20:00
05/01/15	4.48	4.79	4.81	1.99	2.10	2.10	0.73	0.86	0.88
05/02/15	4.88	4.87	4.67	2.13	2.12	2.05	0.80	0.89	0.75
05/03/15	4.84	4.81	4.72	2.12	2.10	2.07	0.78	0.81	0.74
05/04/15	4.55	4.83	4.78	2.01	2.13	2.11	0.79	0.97	0.78
05/05/15	4.65	4.87	4.87	2.04	2.15	2.13	0.71	0.93	0.76
05/06/15	4.63	4.86	4.97	2.07	2.14	2.15	0.76	0.75	0.78
05/07/15	4.65	5.00	4.75	2.04	2.19	2.10	0.73	0.80	0.82
05/08/15	4.66	4.85	4.87	2.06	2.13	2.14	0.72	1.06	0.84
05/09/15	4.69	4.71	4.76	2.07	2.08	2.10	0.73	0.72	0.69
05/10/15	4.87	4.79	4.75	2.13	2.11	2.09	0.71	0.74	0.79
05/11/15	4.80	5.06	4.69	2.10	2.20	2.07	0.74	1.08	0.80
05/12/15	4.68	4.76	4.73	2.07	2.11	2.07	0.72	0.77	0.81
05/13/15	4.66	4.89	4.73	2.07	2.15	2.08	0.72	0.77	0.80
05/14/15	4.68	4.66	4.65	2.07	2.06	2.06	0.74	0.77	0.81
05/15/15	4.77	4.83	4.78	2.10	2.12	2.10	0.79	0.79	0.73
05/16/15	4.62	4.81	4.80	2.05	2.12	2.11	0.62	0.80	0.80
05/17/15	4.71	4.98	4.67	2.08	2.18	2.06	0.80	0.88	0.76
05/18/15	4.66	4.77	4.47	2.06	2.10	1.99	0.76	0.83	0.75
05/19/15	4.75	4.63	4.69	2.10	2.08	2.07	0.74	0.83	0.73
05/20/15	4.63	4.61	4.66	2.05	2.03	2.06	0.74	0.80	0.83
05/21/15	4.69	4.66	4.56	2.06	2.07	2.04	0.78	0.77	0.73
05/22/15	4.57	4.77	4.69	2.04	2.11	2.08	0.67	0.80	0.79
05/23/15	4.68	4.62	4.63	2.06	2.05	2.06	0.81	0.79	0.70
05/24/15	4.54	4.60	4.72	2.03	2.04	2.08	0.69	0.76	0.72
05/25/15	4.60	4.79	4.64	2.03	2.10	2.06	0.68	0.83	0.74
05/26/15	4.61	4.66	4.65	2.03	2.08	2.05	0.74	0.76	0.86
05/27/15	4.65	4.79	4.69	2.05	2.10	2.07	0.76	0.82	0.88
05/28/15	4.54	4.71	4.72	2.02	2.09	2.08	0.75	0.84	0.90
05/29/15	4.72	4.67	4.67	2.09	2.07	2.07	0.76	0.80	0.87
05/30/15	4.43	4.65	4.65	1.98	2.05	2.04	0.75	0.77	0.89
05/31/15	4.68	4.63	4.50	2.07	2.05	1.98	0.76	0.86	0.93

TA-03-0141 New Mexico State Report for

May-2015

	EXHAUST_HEPA_1_DP	EXHAUST_HEPA_2_DP	DUST_COLLECTOR_DP
Average:	4.71	2.08	0.79
Median:	4.69	2.07	0.78
Min:	4.43	1.98	0.62
Max:	5.06	2.20	1.08

TA-03-0141 New Mexico State Report for

June-2015

	EXHAUST_HEPA_1_DP			EXHAUST_HEPA_2_DP			DUST_COLLECTOR_DP		
	04:00	12:00	20:00	04:00	12:00	20:00	04:00	12:00	20:00
06/01/15	4.42	4.62	4.48	1.96	2.05	1.99	0.78	0.90	0.96
06/02/15	4.37	4.70	4.53	1.94	2.06	1.99	0.79	0.94	1.00
06/03/15	4.97	4.55	4.52	2.15	2.01	2.00	0.88	0.92	1.00
06/04/15	4.50	4.55	4.46	1.98	2.01	1.98	0.85	0.98	0.92
06/05/15	4.49	4.58	4.48	1.98	2.04	1.99	0.80	0.89	0.90
06/06/15	4.42	4.57	4.51	1.96	2.02	2.02	0.77	0.88	0.89
06/07/15	4.44	4.59	4.49	1.96	2.02	1.99	0.77	0.92	0.87
06/08/15	4.46	4.57	4.56	1.97	2.02	2.01	0.79	0.93	1.04
06/09/15	4.48	5.05	4.46	1.98	2.18	1.98	0.85	0.94	0.94
06/10/15	4.38	4.48	4.34	1.96	1.99	1.95	0.81	0.94	0.87
06/11/15	4.23	4.40	4.63	1.91	1.97	2.06	0.79	0.91	0.87
06/12/15	4.24	4.45	4.41	1.90	1.99	1.98	0.74	0.86	0.95
06/13/15	4.25	4.38	4.28	1.92	1.97	1.92	0.77	0.74	0.76
06/14/15	4.09	4.34	4.36	1.86	1.95	1.96	0.75	0.82	0.89
06/15/15	4.12	4.30	4.36	1.87	1.94	1.96	0.73	0.90	0.97
06/16/15	4.26	4.38	4.29	1.92	1.95	1.94	0.79	0.92	0.97
06/17/15	4.19	4.41	4.40	1.91	1.97	1.97	0.78	0.98	1.06
06/18/15	4.21	4.38	4.38	1.91	1.97	1.96	0.87	1.01	1.06
06/19/15	4.28	4.42	4.35	1.93	1.97	1.95	0.88	1.00	1.10
06/20/15	4.09	4.33	4.38	1.87	1.95	1.96	0.89	0.97	1.15
06/21/15	4.29	4.40	4.46	1.93	1.96	1.99	0.96	1.10	1.23
06/22/15	4.30	4.41	4.53	1.93	1.98	2.01	1.00	1.09	1.17
06/23/15	4.30	4.47	4.41	1.93	1.99	1.97	0.97	1.09	1.10
06/24/15	4.34	4.49	4.49	1.95	1.99	2.01	0.90	0.99	1.08
06/25/15	4.28	4.48	4.49	1.94	1.99	2.01	0.90	1.01	1.09
06/26/15	4.36	4.50	4.29	1.96	2.01	1.93	0.92	0.99	1.05
06/27/15	4.36	4.42	4.28	1.93	1.95	1.90	0.88	0.97	0.91
06/28/15	4.27	4.36	4.39	1.90	1.93	1.93	0.82	0.96	0.97
06/29/15	4.22	4.34	4.32	1.89	1.92	1.92	0.84	0.98	1.01
06/30/15	4.20	4.36	4.45	1.88	1.95	1.95	0.87	1.01	1.13
07/01/15	4.26	4.37	4.44	1.91	1.94	1.97	0.88	0.94	1.05

TA-03-0141 New Mexico State Report for

June-2015

	EXHAUST_HEPA_1_DP	EXHAUST_HEPA_2_DP	DUST_COLLECTOR_DP
Average:	4.41	1.96	0.93
Median:	4.40	1.96	0.92
Min:	4.09	1.86	0.73
Max:	5.05	2.18	1.23

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

March

Attachment B, Surveillance Training Checklist

(Page 1 of 2)

Procedure title:	Surveillance Rounds
Procedure no.:	TA 55-STP-004, R17
Date of issue:	3/1/2015
Working copy issued to:	Bryan Chance
Working copy issued by:	John Smeltz
	Certified Operations Center Operator

Operations Center Operator Review

 / 3/1/15
 Signature Date

Required Reading for this Surveillance has been completed.

Training Checklist

Workers Performing Surveillance	Applicable Surveillance Training Current	
	Initials	Date
R. Bricoe	JOS	3/1/2015
B. Chance	JOS	↑
D. Dunlavy	JOS	
A. Duseitl	JOS	
J. Lovato	JOS	
R. Luv	JOS	
A. Ortiz	JOS	
F. Seydell	JOS	
J. Smeltz	JOS	↓
R. Price	JOS	3/1/2015

Comments:

Attachment B, Surveillance Training Checklist (continued)
(Page 2 of 2)

Training Checklist (continuation sheet)

[illegible]

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 1 of 3)

Note Gauge readings should be taken on rack #4 in the OC, whenever possible. Document if alternate PDI's are used.		Date:		Weekday:		Shift:		Initials:		SURVEILLANCE RESULTS (in. wc)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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SRs	Description	Gauge Acceptance Criteria																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
4.1.1.1 4.1.2.1 ²	200 area glovebox exhaust header AP	PDI-814-1 or PDI-814-2	<-1.0 in. wc ¹																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													</

For Internal Use Only

3/1/15
B

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 3 of 3)

SRS		Description	Area	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS														
						Sat. / Unsat. (circle one)														
						Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.		
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:													5/1/15	
						Weekday:														
						Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM		
						Initials:													SC	
4.1.1.4	Glovebox exhaust leader AP's < laboratory AP's for areas 100, 200, 300 and 400	200 Area	PDI-814-2 PDI-803-2 PDI-804-2	PDI-814-2 < PDI-803-2 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 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	Sat Unsat
		300 Area	PDI-870-2 PDI-853-2 PDI-854-2	PDI-870-2 < PDI-853-2 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	Sat Unsat
		400 Area	PDI-864-2 PDI-852-2 PDI-854-2	PDI-864-2 < PDI-852-2 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	Sat Unsat
						Completion Time														

Note: ¹ Mode 2 acceptance criteria is < 0.00 in. wcNote: ² SRS 4.1.2.x only apply during mode 2 in accordance with LCO 3.1.2.Completed by: SP Dave Date: 03/01/15 Time: 1923

Reviewed by:

Date: 3/11/15 Time: 1200

Comments:

On-duty Supervisor

(Page 1 of 4)

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).

[illegible]

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side)(UET)

(Page 2 of 4)

SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS						
				Date:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
				Weekday:	Initials:					
4.1.3.4	South basement supply filter plenum (HVP-841) AP	¹ PD1-894-1	≤2.0 & > 0 ¹ in. wc							
		PD1-894-2	≤2.0 & > 0 ¹ in. wc							
4.1.3.4	South Corridor supply (HVP-810) AP	¹ PD1-895-1	≤2.0 & > 0 ¹ in. wc							
		PD1-895-2	≤2.0 & > 0 ¹ in. wc							
4.1.3.4	300 area glovebox exhaust filter plenum (PF854) AP	¹ PD1-817-1	≤2.0 & > 0 ¹ in. wc							
		PD1-817-2	≤2.0 & > 0 ¹ in. wc							
		PD1-817-4	≤2.0 & > 0 ¹ in. wc							
		PD1-817-5	≤2.0 & > 0 ¹ in. wc							
4.1.3.4	300 area special recovery glovebox exhaust filter plenum (PF858) AP	PD1-819-1	≤2.0 & > 0 ¹ in. wc							
		PD1-819-3	≤2.0 & > 0 ¹ in. wc							
		PD1-819-4	≤2.0 & > 0 ¹ in. wc							
4.1.3.4	300 area glovebox exhaust filter plenum (PF855) AP	¹ PD1-818-1	≤2.0 & > 0 ¹ in. wc							
		PD1-818-2	≤2.0 & > 0 ¹ in. wc							
		PD1-818-4	≤2.0 & > 0 ¹ in. wc							
		PD1-818-5	≤2.0 & > 0 ¹ in. wc							
4.1.3.4	300 area special recovery glovebox exhaust filter plenum (PF859) AP	PD1-821-1	≤2.0 & > 0 ¹ in. wc							
		PD1-821-3	≤2.0 & > 0 ¹ in. wc							
		PD1-821-4	≤2.0 & > 0 ¹ in. wc							

3/1/15
Sun.

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ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 3 of 4)

				Date:										3/1/15
				Weekday:		Mon.	Tue.	Wed.	Thu.	Fri.	Sat.			Sun.
				Initials:										21
SRS	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)										
4.1.3.4	400 area glovebox exhaust filter plenum (FF856) AP	1PDI-822-1	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$											5TB/
		PDI-822-2	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$											5TB/
		PDI-822-4	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$											5TB/
		PDI-822-5	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$											5TB/
4.1.3.4	400 area glovebox exhaust filter plenum (FF857) AP	1PDI-823-1	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$											.08
		PDI-823-2	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$											.39
		PDI-823-4	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$											.42
		PDI-823-5	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$											.48
4.1.3.4	South Basement exhaust filter plenum (FF-829) AP	1PDI-830-1	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$											.61
		PDI-830-2	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$											.71
		PDI-830-3	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$											.29
		1PDI-836-1	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$											.98
4.1.1.7	300 area re-circulation filter plenum (HVP-805) AP	PDI-836-2	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$											.58
		PDI-836-3	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$											.58
		1PDI-837-1	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$											.50
		PDI-837-2	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$											.40
4.1.1.7	300 area re-circulation filter plenum (HVP-806) AP	PDI-837-3	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$											.38

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 1 of 4)

SRS		Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)											
												Initials:				
					Date:	Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.		Sat.	Sun.		
																3-1-15
																PT
4.1.1.7	Vault re-circulation filter plenum (HVP-811) ΔP	PDI-840-1	≤2.0 & > 0' in. wc													STBY
		PDI-840-2	≤2.0 & > 0 in. wc													STBY
		PDI-840-3	≤2.0 & > 0' in. wc													STBY
		PDI-841-1	≤2.0 & > 0' in. wc													.46
		PDI-841-2	≤2.0 & > 0' in. wc													.58
	Vault re-circulation filter plenum (HVP-812) ΔP	PDI-841-3	≤2.0 & > 0' in. wc													.50
		PDI-831-1	≤2.0 & > 0' in. wc													.32
		PDI-831-2	≤2.0 & > 0' in. wc													.46
	200 area re-circulation filter plenum (HVP-801) ΔP	PDI-831-3	≤2.0 & > 0' in. wc													.33
		PDI-832-1	≤2.0 & > 0' in. wc													.32
4.1.3.4	North Bleed off filter plenum (FF-820A) ΔP	PDI-832-2	≤2.0 & > 0' in. wc													.60
		PDI-832-3	≤2.0 & > 0' in. wc													.55
		PDI-807-1	≤2.0 & > 0' in. wc													OFF
		PDI-807-2	≤2.0 & > 0' in. wc													OFF
		PDI-807-3	≤2.0 & > 0' in. wc													OFF
4.1.3.4	North Bleed off filter plenum (FF-820B) ΔP	PDI-809-1	≤2.0 & > 0' in. wc													.08
		PDI-809-2	≤2.0 & > 0' in. wc													.51
		PDI-809-3	≤2.0 & > 0' in. wc													.48

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 3 of 4)

SRS	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)							Date: 3-1-15			
				Weekday:								Sun.		
				Mon.	Tue.	Wed.	Thu.	Fri.	Sat.					
				Initials:										
4.1.3.4	200 area glovebox exhaust filter plenum (FF850) ΔP	PDI-812-1	≤2.0 & > 0 ¹ in. wc											STBY
		PDI-812-2	≤2.0 & > 0 ¹ in. wc											STBY
		PDI-812-3	≤2.0 & > 0 ¹ in. wc											STBY
		PDI-812-4	≤2.0 & > 0 ¹ in. wc											STBY
		PDI-812-5	≤2.0 & > 0 ¹ in. wc											STBY
4.1.3.4	200 area glovebox exhaust filter plenum (FF851) ΔP	PDI-813-1	≤2.0 & > 0 ¹ in. wc											1.07
		PDI-813-2	≤2.0 & > 0 ¹ in. wc											.30
		PDI-813-3	≤2.0 & > 0 ¹ in. wc											.29
		PDI-813-4	≤2.0 & > 0 ¹ in. wc											.31
		PDI-813-5	≤2.0 & > 0 ¹ in. wc											.26
4.1.3.4	HFT exhaust filter plenum (FF-865) ΔP	PDI-865-1	≤2.0 & > 0 ¹ in. wc											.04
		PDI-865-2	≤2.0 & > 0 ¹ in. wc											.35
		PDI-865-3	≤2.0 & > 0 ¹ in. wc											.41
4.1.3.4	HFT supply filter plenum (11VP-863) ΔP	PDI-863-1	≤2.0 & > 0 ¹ in. wc											.06
		PDI-863-2	≤2.0 & > 0 ¹ in. wc											.26

For Information

ATTACHMENT C: Non-PF-4 Daily Surveillance Rounds [UET]

		M&TE Calibrated Data					
Record September through April only	PF-10 Thermometer File No.:	039746	PF-10 Thermistor File No.:	042253	V-701 Thermistor File No.:	039742	
	Calibration Expiration Date:	06/17/15	Calibration Expiration Date:	06/26/15	Calibration Expiration Date:	06/26/15	
	PF-11 Thermometer File No.:	042252	PF-11 Thermistor File No.:	040373	V-704 Thermistor File No.:	0410373	
	Calibration Expiration Date:	06/17/15	Calibration Expiration Date:	06/26/15	Calibration Expiration Date:	06/26/15	

		PF-10 & PF-11 Pumphouse Room Temperature and V-701 & V-704 Fire Water Storage Tank Temperature																	
		Date:		Weekday:		Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
SR	Description	Acceptance Criteria																	
NA	ENSURE M&TE Calibration Data above is recorded and calibration dates have not elapsed.	Calibration dates have not elapsed.																	
4.3.1.1	RECORD fire water storage tank V-701 temperature	≥ 42.1 F																	
4.3.1.1	RECORD fire water storage tank V-704 temperature	≥ 42.1 F																	
4.3.1.3	RECORD PF-10 room temperature	≥ 50.1 F																	
4.3.1.3	RECORD PF-11 room temperature	≥ 50.1 F																	
		Completion Time:																	
		OC Operator Review and Page Count Complete (initials)																	

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

Time

0336

Reviewed by: _____

Date

Time

1200

On-duty Supervisor

Comments:

ATTACHMENT A: Per Shift Surveillance Rounds [UT]

(Page 3 of 3)

SRS		Description	Area	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS																					
						Sat. / Unsat. (circle one)																					
						Date:		Weekday:		Shift:		Initials:		Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
						3/2/15	3/3/15	3/4/15	3/5/15	3/6/15	3/7/15	3/8/15	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	
4.1.1.4	Glovebox exhaust header AP's < laboratory AP's < basement AP's for areas 100, 200, 300 and 400	200 Area	PDI-814-2 PDI-803-2 PDI-804-2	PDI-814-2 < PDI-803-2 2 < PDI-804-2	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat			
		100 Area	PDI-820-2 PDI-802-2 PDI-804-2	PDI-820-2 < PDI-802-2 2 < PDI-804-2	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat		
		300 Area	PDI-870-2 PDI-853-2 PDI-854-2	PDI-870-2 < PDI-853-2 2 < PDI-854-2	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat		
		400 Area	PDI-864-2 PDI-852-2 PDI-854-2	PDI-864-2 < PDI-852-2 2 < PDI-854-2	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat		
Completion Time						0728	1936	0725	1930	0746	1926	0724	1922	0736	1930	0731	1930	0831	1936								

Note: 1 Mode 2 acceptance criteria is < 0.00 in. wc

Note: 2 SRS 4.1.2.x only apply during mode 2 in accordance with LCO 3.1.2.

Completed by: AK Date 3-8-15 Time 1930

Reviewed by:

On-duty Supervisor

Date: 3/1/15 Time: 1200

Comments:

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

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).

SR	Description / Gauge	Acceptance Criteria		SURVEILLANCE RESULTS (percentage)							
		NA	Date:		Weekday:		Initials:				
			3/2/15	3/3/15	3/4/15	3/5/15	3/6/15	3/7/15	3/8/15		
4.4.1.1	Flammable Gas Channel Check DET-305-3 (LCD Reading)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CP-305-H (LED Reading)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	(DET-305-3) - (CP-305H) (LCD Reading) (LED Reading)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Record Calculated Value	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Completion Time:	0759	0751	0820	0730	0810	0820	0807	0807	0807

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 2 of 4)

SRS	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)												
				Date:		Weekday:		Initials:								
				3/2/15	3/3/15	3/4/15	3/5/15		3/6/15	03/07/15	03/08/15					
					Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.					
				PH	PH	PH	PH	PH	PH	PH	PH	PH	PH			
4.1.3.4	South basement supply filter plenum (HVP-841) AP	PDI-894-1	$\leq 2.0 \& > 0'$ in. wc	.04	.04	.06	.06	.06	.06	.06	.06	.06	.06			
		PDI-894-2	$\leq 2.0 \& > 0'$ in. wc	.52	.52	.52	.53	.52	.52	.52	.52	.52	.52			
4.1.3.4	South Corridor supply (HVP-810) AP	PDI-895-1	$\leq 2.0 \& > 0'$ in. wc	.04	.04	.06	.04	.04	.06	.06	.06	.06	.06			
		PDI-895-2	$\leq 2.0 \& > 0'$ in. wc	.54	.58	.56	.58	.56	.58	.58	.58	.58	.58			
4.1.3.4	300 area glovebox exhaust filter plenum (FF854) AP	PDI-817-1	$\leq 2.0 \& > 0'$ in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY			
		PDI-817-2	$\leq 2.0 \& > 0'$ in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY			
		PDI-817-4	$\leq 2.0 \& > 0'$ in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY			
		PDI-817-5	$\leq 2.0 \& > 0'$ in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY			
4.1.3.4	300 area special recovery glovebox exhaust filter plenum (FF858) AP	PDI-819-1	$\leq 2.0 \& > 0'$ in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY			
		PDI-819-3	$\leq 2.0 \& > 0'$ in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY			
		PDI-819-4	$\leq 2.0 \& > 0'$ in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY			
		PDI-818-1	$\leq 2.0 \& > 0'$ in. wc	.24	.27	.27	.27	.23	.23	.23	.23	.23	.23			
4.1.3.4	300 area glovebox exhaust filter plenum (FF855) AP	PDI-818-2	$\leq 2.0 \& > 0'$ in. wc	.30	.32	.31	.32	.30	.30	.30	.30	.30	.30			
		PDI-818-4	$\leq 2.0 \& > 0'$ in. wc	.30	.32	.32	.32	.30	.30	.30	.30	.30	.30			
		PDI-818-5	$\leq 2.0 \& > 0'$ in. wc	.28	.30	.29	.30	.27	.28	.28	.28	.28	.28			
		PDI-821-1	$\leq 2.0 \& > 0'$ in. wc	.40	.40	.40	.40	.40	.39	.39	.39	.39	.39			
4.1.3.4	300 area special recovery glovebox exhaust filter plenum (FF859) AP	PDI-821-3	$\leq 2.0 \& > 0'$ in. wc	.44	.44	.43	.45	.43	.43	.43	.43	.43	.43			
		PDI-821-4	$\leq 2.0 \& > 0'$ in. wc	.39	.40	.39	.39	.38	.38	.38	.38	.38	.38			

(Page 3 of 4)

SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)								
				Date:		Weekday:		Initials:				
				3/2/15	3/3/15	3/4/15	3/5/15		3/6/15	03/07/15	03/08/15	
				Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.		
				BT	BT	JS	BT	JS	mm	mm		
41.3.4	400 area glovebox exhaust filter plenum (FF856) AP	PDI-822-1	≤2.0 & > 0 ¹ in. wc	578Y	578Y	578Y	578Y	578Y	578Y	578Y		
		PDI-822-2	≤2.0 & > 0 ¹ in. wc	578Y	578Y	578Y	578Y	578Y	578Y	578Y		
		PDI-822-4	≤2.0 & > 0 ¹ in. wc	578Y	578Y	578Y	578Y	578Y	578Y	578Y		
		PDI-822-5	≤2.0 & > 0 ¹ in. wc	578Y	578Y	578Y	578Y	578Y	578Y	578Y		
41.3.4	400 area glovebox exhaust filter plenum (FF857) AP	PDI-823-1	≤2.0 & > 0 ¹ in. wc	.07	.09	.09	.09	.08	.07	.07		
		PDI-823-2	≤2.0 & > 0 ¹ in. wc	.40	.42	.42	.42	.39	.38	.38		
		PDI-823-4	≤2.0 & > 0 ¹ in. wc	.41	.44	.46	.44	.40	.40	.40		
		PDI-823-5	≤2.0 & > 0 ¹ in. wc	.42	.44	.48	.49	.43	.42	.42		
41.3.4	South Basement exhaust filter plenum (FF-829) AP	PDI-830-1	≤2.0 & > 0 ¹ in. wc	.69	.69	.68	.69	.69	.69	.70		
		PDI-830-2	≤2.0 & > 0 ¹ in. wc	.30	.30	.30	.30	.30	.30	.30		
		PDI-830-3	≤2.0 & > 0 ¹ in. wc	.29	.29	.28	.29	.28	.28	.28		
41.1.7	300 area re-circulation filter plenum (HVP-805) AP	PDI-836-1	≤2.0 & > 0 ¹ in. wc	.94	.94	.96	.97	.97	.97	.97		
		PDI-836-2	≤2.0 & > 0 ¹ in. wc	.57	.57	.56	.57	.56	.55	.55		
		PDI-836-3	≤2.0 & > 0 ¹ in. wc	.54	.54	.55	.54	.55	.55	.55		
		PDI-837-1	≤2.0 & > 0 ¹ in. wc	.50	.50	.50	.50	.50	.50	.50		
	300 area re-circulation filter plenum (HVP-806) AP	PDI-837-2	≤2.0 & > 0 ¹ in. wc	.40	.40	.41	.40	.41	.40	.40		
		PDI-837-3	≤2.0 & > 0 ¹ in. wc	.38	.38	.38	.39	.38	.37	.37		

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 4 of 4)

SRs	Description	Gauge	Acceptance Criteria	Date:							SURVEILLANCE RESULTS						
				Weekday:							(in. wc)						
				Initials:	Mon.	Tue.	Wed.	Thur.	Fri.	Sat.	Sun.						
4.1.1.7	400 area re-circulation filter plenum (HVP-807) AP	1PDI-838-1	≤ 2.0 & $> 0^1$ in. wc		3/2/15	3/3/15	3/4/15	3/5/15	3/6/15	3/7/15	3/8/15						
		PDI-838-2	≤ 2.0 & $> 0^1$ in. wc		.35	.35	.55	.55	.55	.54	.53						
		PDI-838-3	≤ 2.0 & $> 0^1$ in. wc		.50	.50	.50	.50	.50	.50	.50						
	400 area re-circulation filter plenum (HVP-808) AP	1PDI-839-1	≤ 2.0 & $> 0^1$ in. wc		.42	.42	.42	.42	.42	.42	.42						
		PDI-839-2	≤ 2.0 & $> 0^1$ in. wc		.57	.58	.57	.58	.57	.57	.57						
		PDI-839-3	≤ 2.0 & $> 0^1$ in. wc		.51	.51	.52	.52	.52	.52	.52						
4.1.3.4	South Bleed off filter plenum (FF-822A) AP	1PDI-810-1	≤ 2.0 & $> 0^1$ in. wc		.05	.05	.05	.05	.05	.05	.05						
		PDI-810-2	≤ 2.0 & $> 0^1$ in. wc		.05	.05	.05	.05	.05	.05	.05						
		PDI-810-3	≤ 2.0 & $> 0^1$ in. wc		.05	.05	.05	.05	.05	.05	.05						
4.1.3.4	South Bleed off filter plenum (FF-822B) AP	1PDI-811-1	≤ 2.0 & $> 0^1$ in. wc		.10	.10	.11	.11	.11	.11	.11						
		PDI-811-2	≤ 2.0 & $> 0^1$ in. wc		.47	.47	.47	.49	.48	.47	.47						
		PDI-811-3	≤ 2.0 & $> 0^1$ in. wc		.48	.47	.47	.48	.48	.47	.47						
OC Operator Review and Page Count Complete (initials)				Completion Time	853	0830	0842	0758	0835	0819	0830						

Non TSR requirement:

Note: SR 4.1.1.7 applies during mode 1 as stated in LCO 3.1.1. SRs 4.1.3.X apply during mode 1 and mode 2 as stated in LCO 3.1.3.

Completed by: Michael Ford Date: 3/26/15 Time: 0830

Reviewed by:

Date: 3/1/15 Time: 0730

Comments

Operator Supervisor

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side)(UT)

(Page 1 of 4)

SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
				Date:	Weekday:	Initials:				
4.1.1.7	Vault re-circulation filter plenum (HVP-811) ΔP	1PDI-840-1	<2.0 & > 0 ¹ in. wc	3/2/15	3/3/15	3/4/15	3/5/15	3/6/15	3/7/15	3/8/15
		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
		1PDI-841-1	<2.0 & > 0 ¹ in. wc	.40	.43	.44	.44	.44	.44	.44
		PDI-841-2	<2.0 & > 0 ¹ in. wc	.56	.56	.58	.57	.58	.58	.58
	Vault re-circulation filter plenum (HVP-812) ΔP	PDI-841-3	<2.0 & > 0 ¹ in. wc	.50	.50	.50	.50	.50	.50	.50
		1PDI-831-1	<2.0 & > 0 ¹ in. wc	.33	.33	.32	.33	.33	.32	.33
		PDI-831-2	<2.0 & > 0 ¹ in. wc	.39	.40	.40	.39	.40	.40	.40
		PDI-831-3	<2.0 & > 0 ¹ in. wc	.33	.33	.33	.33	.32	.32	.32
		1PDI-832-1	<2.0 & > 0 ¹ in. wc	.31	.31	.32	.32	.32	.32	.32
4.1.3.4	North Bleed off filter plenum (PF-820A) ΔP	PDI-832-2	<2.0 & > 0 ¹ in. wc	.59	.60	.60	.60	.60	.60	.60
		PDI-832-3	<2.0 & > 0 ¹ in. wc	.55	.54	.54	.54	.55	.54	.54
		1PDI-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	North Bleed off filter plenum (PF-820B) ΔP	1PDI-809-1	<2.0 & > 0 ¹ in. wc	.07	.07	.08	.08	.08	.07	.07
		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	.48	.47	.47	.47	.47	.47	.47

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 2 of 4)

SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
				Date:	Weekday:	Initials:				
				3/2/15	3/3/15	3/4/15	3/5/15	3/6/15	3/7/15	3/8/15
4.1.3.4	North Basement exhaust filter plenum (PF-828) AP	PDI-829-1 PDI-829-2 PDI-829-3	$\leq 2.0 \text{ in. wc}$ $\leq 2.0 \text{ in. wc}$ $\leq 2.0 \text{ in. wc}$	.14	.14	.15	.14	.15	.14	.14
				.38	.38	.38	.38	.39	.38	.38
				.32	.29	.30	.29	.30	.30	.30
				.71.0	.71.2	.71.0	.71.0	.71.0	.71.0	.71.0
4.1.1.7	100 area re-circulation filter plenum (IIVP-803) AP	PDI-833-1 PDI-833-2 PDI-833-3	$\leq 2.0 \text{ in. wc}$ $\leq 2.0 \text{ in. wc}$ $\leq 2.0 \text{ in. wc}$	.45	.45	.45	.45	.45	.45	.45
				.44	.44	.45	.44	.44	.44	.44
				.15	.15	.15	.15	.15	.15	.15
				.43	.43	.45	.44	.45	.45	.45
4.1.3.4	100 area glovebox exhaust filter plenum (PF852) AP	PDI-815-1 PDI-815-2 PDI-815-4 PDI-815-5	$\leq 2.0 \text{ in. wc}$ $\leq 2.0 \text{ in. wc}$ $\leq 2.0 \text{ in. wc}$ $\leq 2.0 \text{ in. wc}$	.33	.34	.34	.33	.34	.34	.34
				.33	.34	.34	.33	.34	.34	.34
				.33	.34	.34	.33	.34	.34	.34
				.32	.38	.39	.38	.34	.36	.36
4.1.3.4	100 area glovebox exhaust filter plenum (PF853) AP	PDI-816-1 PDI-816-2 PDI-816-4 PDI-816-5	$\leq 2.0 \text{ in. wc}$ $\leq 2.0 \text{ in. wc}$ $\leq 2.0 \text{ in. wc}$ $\leq 2.0 \text{ in. wc}$	.41	.44	.44	.44	.45	.42	.42
				.42	.45	.45	.45	.42	.42	.42
				.43	.46	.44	.46	.43	.43	.43
				.43	.46	.44	.46	.43	.43	.43

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 4 of 4)

SRS	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS						
				Date:	Weekday:	Initials:				
4.1.3.4	North Basement supply filter plenum (11VP-840) ΔP	1PDI-857-1	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$	3/2/15	3/3/15	3/4/15	3/5/15	3/6/15	03/07/15	3/8/15
		PDI-857-2	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
4.1.3.4	North corridor supply filter plenum (11VP-809) ΔP	1PDI-856-1	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$	0.13	0.13	0.12	0.12	0.18	0.12	0.12
		PDI-856-2	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$	0.48	0.48	0.49	0.48	0.49	0.48	0.48
NA	Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C		0 lb/ft ³ combustibles in designated exclusion area (within 15 feet of fans)	0.06	0.06	0.04	0.06	0.04	0.06	0.06
4.3.2.2	Rooms 201, 204, 206, & 207		0 lb/ft ³ 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	0.50	0.54	0.52	0.54	0.53	0.53	0.53
Completion time				0851	0815	0846	0855	0850	0837	0830
OC Operator Review and Page Count Complete (Initials)				W	W	W	W	W	W	W

Non TSR requirement

Note: SIR 4.1.3.4 applies during mode 1 and mode 2.

Completed by: puw Date 3/1/15 Time 0830 Reviewed by: [Signature]

Ordinary Supervisor

Date: 3/1/15 Time: 1800

Comments:

ATTACHMENT C: Non-PF-4 Daily Surveillance Rounds [UET]

M&TE Calibrated Data					
Record September through April only	PF-10 Thermometer File No.:	039746	PF-10 Thermistor File No.:	042253	V-701 Thermistor File No.:
	Calibration Expiration Date:	6/17/2015	Calibration Expiration Date:	6/26/2015	Calibration Expiration Date:
	PF-11 Thermometer File No.:	042252	PF-11 Thermistor File No.:	040373	V-704 Thermistor File No.:
	Calibration Expiration Date:	6/17/2015	Calibration Expiration Date:	6/26/2015	Calibration Expiration Date:

PF-10 & PF-11 Pumphouse Room Temperature and V-701 & V-704 Fire Water Storage Tank Temperature												
SR	Description	Acceptance Criteria	Date:							Weekday:		
			Initials:							Mon.		
			Completion Time:							Tue.		
NA	ENSURE M&TE Calibration Data above is recorded and calibration dates have not elapsed.	Calibration dates have not elapsed.	3/2/2015	3/3/2015	3/4/2015	3/5/2015	3-6-15	3-7-15	3-8-15			
4.3.1.1'	RECORD fire water storage tank V-701 temperature	≥ 42.1 F	47.62	47.26	46.33	46.63	47	46.8	46.8			
4.3.1.1'	RECORD fire water storage tank V-704 temperature	≥ 42.1 F	46.83	46.21	45.82	45.93	46.8	47.0	47.2			
4.3.1.3'	RECORD PF-10 room temperature	≥ 50.1 F	59.50	59.68	59.28	57.37	58.7	59.8	60.7			
4.3.1.3'	RECORD PF-11 room temperature	≥ 50.1 F	62.49	61.20	61.40	63.40	65.5	60.8	59.7			
OC Operator Review and Page Count Complete (initials)			0817	0811	0821	0740	0909	0915	1032			

1 Temperatures should be recorded using Reference Thermometer FLUKE Model 153A connected to Thermistor Probe Fluke Model 5610-9 (or approved engineered equivalent).

Completed by: [Signature] Date: 3-8-15

Reviewed by: [Signature] Date: 3/5/15 Time: 1750

On-duty Supervisor

Comments:

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 3 of 3)

Note			Date:		03-09-15		03-10-15		3/11/15		3/12/15		03-13-15		03-14-15		3/15/15					
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.			Weekdays:		Mon		Tue		Wed		Thu		Fri		Sat		Sun					
Shifts:			AM		PM		AM		PM		AM		PM		AM		PM					
Initials:			AC		71		BC		u		v		u		u		u					
SRS	Description	Area	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS																	
4.1.1.4	Glovebox exhaust header AP's < laboratory AP's < basement AP's for areas 100, 200, 300 and 400	200 Area	PDI-814-2	PDI-814-2 < PDI-803-2	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat				
			PDI-803-2	2 < PDI-804-2	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat				
			PDI-804-2																			
		100 Area	PDI-820-2	PDI-820-2 < PDI-802-2	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat			
			PDI-802-2	2 < PDI-804-2	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat			
			PDI-804-2																			
		300 Area	PDI-870-2	PDI-870-2 < PDI-853-2	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat			
			PDI-853-2	2 < PDI-854-2	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat			
			PDI-854-2																			
		400 Area	PDI-864-2	PDI-864-2 < PDI-852-2	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat			
			PDI-852-2	2 < PDI-854-2	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat			
			PDI-854-2																			
Completion Time				0721	0728	0719	0723	0731	0730	0740	0730	0721	0725	0732	0735	0731	0721					

Note: ¹ Mode 2 acceptance criteria is < 0.00 in. yscNote: ² SRS 4.1.2.x only applies during mode 2 in accordance with LCO 3.1.2.Completed by: [Signature] Date 3/15/15 Time 1921Reviewed by: [Signature]Date: 3/15/15 Time: 0700

On-duty Supervisor

Comments: _____

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

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).

SR 4.4.1.1	Description / Gauge Flammable Gas Channel Check DET-305-3 (LCD Reading) CP-305-H (LED Reading) (DET-305-3) – (CP-305H) (LCD Reading) (LED Reading)	Acceptance Criteria							SURVEILLANCE RESULTS (percentage)								
		Date:	3/9/15	3/10/15	3/11/15	3/12/15	3/13/2015	3/14/15	3/15/2015	Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	BA	per	bn	br	BF	bn	bn								
		Completion Time:	07:57	08:00	07:55	08:18	07:27	08:14	07:56								
		NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
		Record Calculated Value	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
		≥ -0.1 ; $\leq +0.1$	Sat / Unsat.	Sat / Unsat.	Sat / Unsat.	Sat / Unsat.	Sat / Unsat.	Sat / Unsat.	Sat / Unsat.	Sat / Unsat.	Sat / Unsat.	Sat / Unsat.	Sat / Unsat.	Sat / Unsat.	Sat / Unsat.	Sat / Unsat.	

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 4 of 4)

SRS		Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)							
					Date:							
					Weekday:							
					Initials:							
					Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.	
					724	64	64	64	64	64	64	64
4.1.1.7	400 area re-circulation filter plenum (HVP-807) AP	1PDI-838-1	≤2.0 & > 0 ¹ in. wc	.47	.47	.47	.47	.47	.47	.47	.47	
		PDI-838-2	≤2.0 & > 0 ¹ in. wc	.55	.55	.55	.55	.55	.55	.55		
		PDI-838-3	≤2.0 & > 0 ¹ in. wc	.50	.50	.50	.50	.51	.50	.50		
		1PDI-839-1	≤2.0 & > 0 ¹ in. wc	.42	.42	.42	.42	.43	.42	.42		
	400 area re-circulation filter plenum (HVP-808) AP	PDI-839-2	≤2.0 & > 0 ¹ in. wc	.58	.58	.58	.58	.58	.58	.58		
		PDI-839-3	≤2.0 & > 0 ¹ in. wc	.52	.52	.52	.52	.53	.52	.52		
		1PDI-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		
4.1.3.4	South Bleed off filter plenum (FF-822A) AP	PDI-810-3	≤2.0 & > 0 ¹ in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	
		1PDI-811-1	≤2.0 & > 0 ¹ in. wc	.12	.12	.11	.11	.11	.11	.11		
		PDI-811-2	≤2.0 & > 0 ¹ in. wc	.49	.48	.45	.45	.44	.46	.46		
		PDI-811-3	≤2.0 & > 0 ¹ in. wc	.48	.48	.46	.46	.45	.46	.47		
OC Operator Review and Page Count Complete (initials)				.0845	.0829	.0819	.0832	.0813	.0830	.0821		
. Completion Time				HL	SL	SL	SL	SL	SL	SL		

Non TSR requirement:

Note: SR 4.1.1.7 applies during mode 1 as stated in LCO 3.1.1. SRs 4.1.3.X apply during mode 1 and mode 2 as stated in LCO 3.1.3.

Completed by: Same M. Date 3/15/15 Time 0822 Reviewed by:

On-duty Supervisor

Date 3/15/15 Time: 0700

Comments

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 2 of 4)

SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
				Date:	Weekday:	Initials:				
				3/9/15	3/12/15	3/11/15	3/12/2015	3/13/2015	3/14/15	3/15/15
				Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
				BA	BA	BA	BF	BF	BA	BA
4.1.3.4	North Basement exhaust filter plenum (FF-828) AP	PDI-829-1	$\leq 2.0 \& > 0^1$ in. wc	.15	.14	.14	.15	.15	.14	.15
		PDI-829-2	$\leq 2.0 \& > 0^1$ in. wc	.39	.36	.38	.39	.39	.39	.39
		PDI-829-3	$\leq 2.0 \& > 0^1$ in. wc	.30	.30	.30	.30	.30	.30	.30
		PDI-833-1	$\leq 2.0 \& > 0^1$ in. wc	71.0	71.0	71.0	71.0	71.0	71.0	71.0
4.1.1.7	100 area re-circulation filter plenum (IIVP-803) AP	PDI-833-2	$\leq 2.0 \& > 0^1$ in. wc	.45	.45	.45	.46	.46	.46	.45
		PDI-833-3	$\leq 2.0 \& > 0^1$ in. wc	.44	.44	.44	.46	.46	.44	.43
		PDI-835-1	$\leq 2.0 \& > 0^1$ in. wc	.15	.15	.15	.15	.15	.15	.15
		PDI-835-2	$\leq 2.0 \& > 0^1$ in. wc	.45	.44	.44	.45	.45	.44	.45
4.1.3.4	100 area re-circulation filter plenum (IIVP-804) AP	PDI-835-3	$\leq 2.0 \& > 0^1$ in. wc	.40	.40	.40	.41	.41	.40	.41
		PDI-815-1	$\leq 2.0 \& > 0^1$ in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-815-2	$\leq 2.0 \& > 0^1$ in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-815-4	$\leq 2.0 \& > 0^1$ in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4	100 area glovebox exhaust filter plenum (FF852) AP	PDI-815-5	$\leq 2.0 \& > 0^1$ in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-816-1	$\leq 2.0 \& > 0^1$ in. wc	.32	.38	.38	.39	.39	.38	.36
		PDI-816-2	$\leq 2.0 \& > 0^1$ in. wc	.44	.44	.45	.45	.45	.43	.42
		PDI-816-4	$\leq 2.0 \& > 0^1$ in. wc	.41	.46	.46	.47	.47	.45	.42
4.1.3.4	100 area glovebox exhaust filter plenum (FF853) AP	PDI-816-5	$\leq 2.0 \& > 0^1$ in. wc	.42	.47	.47	.48	.48	.45	.43

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 3 of 4)

SRS		Description	Gauge	SURVEILLANCE RESULTS (in. wc)									
				Acceptance Criteria									
				Date:	3/9/15	3/10/15	3/11/15	3/12/2015	3/13/2015	3/14/15	3/15/15		
				Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.		
		Initials:	ED	Jan	Jan	BF	BF	Jan	SB				
4.1.3.4	200 area glovebox exhaust filter plenum (PF-850) ΔP	PDI-812-1	≤2.0 & > 0 ¹ in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY		
		PDI-812-2	≤2.0 & > 0 ¹ in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY		
		PDI-812-3	≤2.0 & > 0 ¹ in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY		
		PDI-812-4	≤2.0 & > 0 ¹ in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY		
		PDI-812-5	≤2.0 & > 0 ¹ in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY		
4.1.3.4	200 area glovebox exhaust filter plenum (PF-851) ΔP	PDI-813-1	≤2.0 & > 0 ¹ in. wc	1.05	1.06	1.06	1.08	1.18	1.08	1.10			
		PDI-813-2	≤2.0 & > 0 ¹ in. wc	.30	.30	.31	.30	.32	.31	.31			
		PDI-813-3	≤2.0 & > 0 ¹ in. wc	.30	.29	.29	.28	.31	.29	.30			
		PDI-813-4	≤2.0 & > 0 ¹ in. wc	.30	.31	.31	.31	.35	.32	.31			
		PDI-813-5	≤2.0 & > 0 ¹ in. wc	.29	.28	.28	.28	.30	.28	.29			
4.1.3.4	HFT exhaust filter plenum (PF-865) ΔP	PDI-865-1	≤2.0 & > 0 ¹ in. wc	.03	.03	.03	.03	.04	.03	.03			
		PDI-865-2	≤2.0 & > 0 ¹ in. wc	.34	.32	.32	.33	.35	.32	.32			
		PDI-865-3	≤2.0 & > 0 ¹ in. wc	.40	.39	.41	.41	.42	.41	.40			
		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	.27	.27	.26	.26	.28	.26	.25			
4.1.3.4	HFT supply filter plenum (HVP-863) ΔP												

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 4 of 4)

SRs	Description	Gauge	Acceptance Criteria	Date:						
				Weekday:						
				Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
Initials:				3/9/15	3/10/15	3/11/15	3/12/2015	3/13/2015	3/14/15	3/15/2015
SURVEILLANCE RESULTS										
41.3.4	North Basement supply filter plenum (11VP-840) ΔP	¹ PDI-857-1	≤ 2.0 & ≥ 0' in. wc	.12	.12	.12	.11	.11	.12	.12
		PDI-857-2	≤ 2.0 & ≥ 0' in. wc	.49	.48	.48	.49	.49	.49	.49
41.3.4	North corridor supply filter plenum (11VP-809) ΔP	¹ PDI-856-1	≤ 2.0 & ≥ 0' in. wc	.06	.06	.06	.07	.08	.06	.07
		PDI-856-2	≤ 2.0 & ≥ 0' in. wc	.52	.53	.53	.52	.53	.53	.52
'NA	Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C		0 lb/ft ³ combustibles in designated exclusion area (within 15 feet of fans)	SAT	SAT	SAT	SAT	SAT	SAT	SAT
43.2.2	Rooms 201, 204, 206, & 207		0 lb/ft ³ 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				0845	0829	0850	0838	0813	0836	0824
OC Operator Review and Page Count Complete (initials)				BC	BC	BC	BC	BC	BC	BC
Non TSP requirement				BC	BC	BC	BC	BC	BC	BC

Note: SR 4.1.3.4 applies during mode 1 and mode 2.

Completed by: [Signature] Date 3/15/15 Time 0824 Reviewed by: [Signature]

Comments:

Op-daily Supervisor

Date: 3/17/15 Time: 0700

ATTACHMENT C: Non-PF-4 Daily Surveillance Rounds [UET]

M&TE Calibrated Data						
Record September through April only	PF-10 Thermistor File No.:	039746	PF-10 Thermistor File No.:	042253	V-701 Thermistor File No.:	039744
	Calibration Expiration Date:	6/17/15	Calibration Expiration Date:	6/26/15	Calibration Expiration Date:	6/26/15
	PF-11 Thermistor File No.:	042252	PF-11 Thermistor File No.:	040373	V-704 Thermistor File No.:	040375
	Calibration Expiration Date:	6/17/15	Calibration Expiration Date:	6/26/15	Calibration Expiration Date:	6/26/15

PF-10 & PF-11 Pumphouse Room Temperature and V-701 & V-704 Fire Water Storage Tank Temperature											
SR	Description	Date:		Weekday:		Initials:		Acceptance Criteria			
		Date:		Weekday:		Initials:		Acceptance Criteria			
		Date:		Weekday:		Initials:		Acceptance Criteria			
NA	ENSURE M&TE Calibration Data above is recorded and calibration dates have not elapsed.	3/9/15		Mon.		TL		Calibration dates have not elapsed.			
4.3.1.1'	RECORD fire water storage tank V-701 temperature	3/9/2015		Tue.		BF		≥ 42.1 F			
4.3.1.1'	RECORD fire water storage tank V-704 temperature	3/12/15		Wed.		BF		≥ 42.1 F			
4.3.1.3'	RECORD PF-10 room temperature	3/13/15		Thu.		21		≥ 50.1 F			
4.3.1.3'	RECORD PF-11 room temperature	3/14/2015		Fri.		TL		≥ 50.1 F			
OC Operator Review and Page Count Complete (initials)											
Completion Time:		0837		0737		0745		0949			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
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0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
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0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
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0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
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0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745		0949		0815			
0837		0737		0745</							

Temperatures should be recorded using Reference Thermometer FLUKI Model 1524 connected to Thermistor Probe (Fluke Model 5610-9) (or approved engineered equivalent).

Completed by: [Signature] Date: 03-15-15 Time: 0726

Reviewed by: [Signature] Date: 3/17/15 Time: 0703

On-duty Supervisor

Comments:

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 3 of 3)

SRS		Description	Area	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS													
						Sat/Unsat. (circle one)													
						Date: 3/16/15		3/17/15		03-18-15		03-19-15		3/20/15		3/21/15		3-22-15	
Weekday:		Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.					
Shift:		AM		PM		AM		PM		AM		PM		AM		PM			
Initials:		AM		PM		AM		PM		AM		PM		AM		PM			
4.1.1.4	Glovebox exhaust header AP's < laboratory AP's < basement AP's for areas 100, 200, 300 and 400	200 Area	PDI-814-2 PDI-803-2 PDI-804-2	PDI-814-2 < PDI-803-2 2 < PDI-804-2	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat		
		100 Area	PDI-820-2 PDI-802-2 PDI-804-2	PDI-820-2 < PDI-802-2 2 < PDI-804-2	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat		
		300 Area	PDI-870-2 PDI-853-2 PDI-854-2	PDI-870-2 < PDI-853-2 2 < PDI-854-2	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat		
		400 Area	PDI-864-2 PDI-852-2 PDI-854-2	PDI-864-2 < PDI-852-2 2 < PDI-854-2	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat		
			Completion Time		0725	1921	0733	1924	0720	1928	0721	1918	0715	1921	0724	1921	0730		

Note: ¹ Mode 2 acceptance criteria is < 0.00 in. wcNote: ² SRS 4.1.2.x only apply during mode 2 in accordance with LCO 3.1.2.Completed by: PP115 Date 3/21/15 Time 1933

Reviewed by:

On-duty Supervisor

Date: 3/21/15 Time: 1200Comments: 200 Area CAB EXH FEAUNCH TAKEN FROM SCREEN FIRST 150 PBT 814 DUE TO RACK 4 DISCREPANCY

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

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).

SR	Description / Gauge	Acceptance Criteria	Date:	3/16/15	3-17-15	3/18/15	3/19/15	3/20/15	3-21-15	3-22-15
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	pm	PT	pm	pm	PT	PT	PT
4.4.1.1	Flammable Gas Channel Check	NA	SURVEILLANCE RESULTS (percentage)							
	DET-305-3 (LCD Reading)			0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CP-305-H (LED Reading)			0.0	0.0	0.0	0.0	0.0	0.0	0.0
	DET-305-3 - (CP-305H) (LCD Reading) (LED Reading)	Record Calculated Value ≥ -0.1 ; $\leq +0.1$		0.0	0.0	0.0	0.0	0.0	0.0	0.0
Completion Time:				0802	0802	0752	0754	0751	0807	0810

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 3 of 4)

SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
				Date:	Weekday:	Initials:				
				3/14/15	3-17-15	3/18/15	3/19/15	3/20/15	3-21-15	3-22-15
				Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
				PT	PT	PT	PT	PT	PT	PT
4.1.3.4	400 area glovebox exhaust filter plenum (FF856) AP	1PDI-822-1	$\leq 2.0 \text{ in. wc}$	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-822-2	$\leq 2.0 \text{ in. wc}$	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-822-4	$\leq 2.0 \text{ in. wc}$	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-822-5	$\leq 2.0 \text{ in. wc}$	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		1PDI-823-1	$\leq 2.0 \text{ in. wc}$	.06	.09	.08	.08	.07	.07	.07
4.1.3.4	400 area glovebox exhaust filter plenum (FF857) AP	PDI-823-2	$\leq 2.0 \text{ in. wc}$	.40	.42	.42	.42	.40	.40	.40
		PDI-823-4	$\leq 2.0 \text{ in. wc}$	.40	.45	.46	.46	.40	.41	.41
		PDI-823-5	$\leq 2.0 \text{ in. wc}$	.41	.49	.49	.49	.43	.42	.42
		1PDI-830-1	$\leq 2.0 \text{ in. wc}$	.70	.69	.68	.68	.70	.70	.69
		PDI-830-2	$\leq 2.0 \text{ in. wc}$	.30	.30	.30	.30	.30	.30	.30
4.1.3.4	South Basement exhaust filter plenum (FF-829) AP	PDI-830-3	$\leq 2.0 \text{ in. wc}$	.29	.29	.28	.28	.29	.28	.28
		1PDI-836-1	$\leq 2.0 \text{ in. wc}$	.98	.97	.97	.97	.98	.97	.97
		PDI-836-2	$\leq 2.0 \text{ in. wc}$	.59	.59	.57	.57	.58	.58	.58
		PDI-836-3	$\leq 2.0 \text{ in. wc}$	.54	.56	.56	.56	.54	.56	.56
		1PDI-837-1	$\leq 2.0 \text{ in. wc}$	.51	.50	.50	.50	.50	.50	.50
4.1.1.7	300 area re-circulation filter plenum (HVP-805) AP	PDI-837-2	$\leq 2.0 \text{ in. wc}$	.40	.40	.40	.40	.40	.40	.40
		PDI-837-3	$\leq 2.0 \text{ in. wc}$	.39	.39	.39	.39	.39	.39	.38
		300 area re-circulation filter plenum (HVP-806) AP								

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 4 of 4)

SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)							
				Date:	Weekday:	Initials:					
							Mon.	Tue.	Wed.	Thur.	Fri.	Sat.	Sun.
				3/10/15	3-17-15	3/18/15	3/19/15	3/20/15	3-21-15	3-22-15	
				PT	PT	PT	PT	PT	PT	PT	PT
4.1.1.7	400 area re-circulation filter plenum (HVP-807) AP	¹ PDI-838-1	≤2.0 & > 0 ¹ in. wc	.47	.47	.47	.47	.47	.47	.47	.47
		PDI-838-2	≤2.0 & > 0 ¹ in. wc	.55	.55	.55	.55	.55	.55	.55	.55
		PDI-838-3	≤2.0 & > 0 ¹ in. wc	.50	.50	.50	.50	.50	.50	.50	.51
	400 area re-circulation filter plenum (HVP-808) AP	¹ PDI-839-1	≤2.0 & > 0 ¹ in. wc	.43	.43	.43	.43	.43	.43	.43	.43
		PDI-839-2	≤2.0 & > 0 ¹ in. wc	.58	.58	.58	.58	.58	.58	.58	.58
		PDI-839-3	≤2.0 & > 0 ¹ in. wc	.51	.51	.51	.51	.52	.52	.52	.52
4.1.3.4	South Bleed off filter plenum (FF-822A) AP	¹ PDI-810-1	≤2.0 & > 0 ¹ in. wc	.05	.05	.05	.05	.15	.15	.15	.15
		PDI-810-2	≤2.0 & > 0 ¹ in. wc	.05	.05	.05	.05	.48	.49	.49	.49
		PDI-810-3	≤2.0 & > 0 ¹ in. wc	.05	.05	.05	.05	.45	.45	.45	.45
4.1.3.4	South Bleed off filter plenum (FF-822B) AP	¹ PDI-811-1	≤2.0 & > 0 ¹ in. wc	.11	.11	.11	.11	.05	.05	.05	.05
		PDI-811-2	≤2.0 & > 0 ¹ in. wc	.49	.48	.48	.48	.05	.05	.05	.05
		PDI-811-3	≤2.0 & > 0 ¹ in. wc	.49	.49	.49	.48	.05	.05	.05	.05
Completion Time				0914	0825	0846	0826	0904	0753	0757	
OC Operator Review and Page Count Complete (initials)				OC	OC	OC	OC	OC	OC	OC	OC

¹Non T/SR requirement:

Note: SR 4.1.1.7 applies during mode 1 as stated in LCO 3.1.1. SRs 4.1.3.X apply during mode 1 and mode 2 as stated in LCO 3.1.3.

Completed by: Paul Zuyile Date 3-22-15 Time 08 00

Reviewed by:

Date: 3/23/15 Time: 12 00

Comments

On-Unit Supervisor

(Page 2 of 4)

SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 3 of 4)

SRs	Description	Gauge	Date:										
			Weekdays:							Initials:			
			Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.				
			Acceptance Criteria										
SURVEILLANCE RESULTS (in. wc)													
4.1.3.4	200 arca glovebox exhaust filter plenum (FF850) ΔP	PDI-812-1	≤ 2.0 & > 0 ¹ in. wc	STBY	STBY	STBY	STBY	STBY	.15	.16			
		PDI-812-2	≤ 2.0 & > 0 ¹ in. wc	STBY	STBY	STBY	STBY	STBY	.35	.35			
		PDI-812-3	≤ 2.0 & > 0 ¹ in. wc	STBY	STBY	STBY	STBY	STBY	.32	.35			
		PDI-812-4	≤ 2.0 & > 0 ¹ in. wc	STBY	STBY	STBY	STBY	STBY	.39	.38			
		PDI-812-5	≤ 2.0 & > 0 ¹ in. wc	STBY	STBY	STBY	STBY	STBY	.30	.31			
4.1.3.4	200 arca glovebox exhaust filter plenum (FF851) ΔP	PDI-813-1	≤ 2.0 & > 0 ¹ in. wc	1.10	1.12	1.11	1.16	STBY	STBY	STBY			
		PDI-813-2	≤ 2.0 & > 0 ¹ in. wc	.31	.31	.31	.31	STBY	STBY	STBY			
		PDI-813-3	≤ 2.0 & > 0 ¹ in. wc	.30	.30	.30	.30	STBY	STBY	STBY			
		PDI-813-4	≤ 2.0 & > 0 ¹ in. wc	.31	.33	.31	.31	STBY	STBY	STBY			
		PDI-813-5	≤ 2.0 & > 0 ¹ in. wc	.29	.29	.29	.29	STBY	STBY	STBY			
4.1.3.4	IFT exhaust filter plenum (FF-865) ΔP	PDI-865-1	≤ 2.0 & > 0 ¹ in. wc	.03	.03	.03	.03	.03	.03	.04			
		PDI-865-2	≤ 2.0 & > 0 ¹ in. wc	.34	.34	.32	.34	.34	.34	.35	.32		
		PDI-865-3	≤ 2.0 & > 0 ¹ in. wc	.42	.41	.40	.42	.40	.41	.40			
4.1.3.4	IFT supply filter plenum (IIVP-863) ΔP	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	.26	.26	.28	.26	.28	.27	.28			

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 4 of 4)

SRS	Description	Gauge	Acceptance Criteria	Date:							
				Weekday:							
				Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.	
Initials:				gpc	gpc	gpc	gpc	gpc	gpc	gpc	gpc
SURVEILLANCE RESULTS											
4.1.3.4	North Basement supply filter plenum (HVP-840) ΔP	1PDI-857-1	≤ 2.0 & > 0' in. wc	.12	.11	.12	.12	.11	.11	.11	
		PDI-857-2	≤ 2.0 & > 0' in. wc	.48	.48	.50	.49	.50	.50	.50	
4.1.3.4	North corridor supply filter plenum (HVP-809) ΔP	1PDI-856-1	≤ 2.0 & > 0' in. wc	.07	.07	.07	.07	.04	.07	.07	
		PDI-856-2	≤ 2.0 & > 0' in. wc	.55	.54	.54	.54	.50	.50	.50	
1NA	Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C		0 lb/ft ³ combustibles in designated exclusion area (within 15 feet of fans)	SAT	SAT	SAT	SAT	SAT	SAT	SAT	
4.3.2.2	Rooms 201, 204, 206, & 207		0 lb/ft ³ 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				0905	0829	0915	0836	0907	0830	0853	
OC Operator Review and Page Count Complete (initials)				gpc	gpc	gpc	gpc	gpc	gpc	gpc	

Non TSR requirement

Note: SR 4.1.3.4 applies during mode 1 and mode 2.

Completed by: Paul Zydzis Date: 3/22/15 Time: 0853 Reviewed by: [Signature] Date: 3/22/15 Time: 1200

Quality Supervisor

Date: 3/22/15 Time: 1200

Comments:

From 206 A window change test exists within a combustible zone. Notified ORS center, combustible issue addressed. 4.3.2.2. 3/18/15 Rat

ATTACHMENT C: Non-PF-4 Daily Surveillance Rounds [UET]

M&TE Calibrated Data												
Record September through April only	PF-10 Thermometer File No.:		039746		PF-10 Thermistor File No.:		042253		V-701 Thermistor File No.:		039744	
	Calibration Expiration Date:		6/17/2015		Calibration Expiration Date:		6/26/2015		Calibration Expiration Date:		6/26/2015	
	PF-11 Thermometer File No.:		042252		PF-11 Thermistor File No.:		040373		V-704 Thermistor File No.:		040375	
	Calibration Expiration Date:		6/17/2015		Calibration Expiration Date:		6/26/2015		Calibration Expiration Date:		6/26/2015	

PF-10 & PF-11 Pumphouse Room Temperature and V-701 & V-704 Fire Water Storage Tank Temperature												
Daily (September through April only)			Date:	3/16/2015	3/17/2015	3/18/2015	3/19/2015	3/20/2015	3-21-15	3/22/15		
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.		
			Initials:	BF	5F	Bf	Bf	Bf	0	000		
SR	Description	Acceptance Criteria										
NA	ENSURE M&TE Calibration Data above is recorded and calibration dates have not elapsed.	Calibration dates have not elapsed.	GSJ/UNSAT	GSJ/UNSAT	GSJ/UNSAT	GSJ/UNSAT	GSJ/UNSAT	GSJ/UNSAT	GSJ/UNSAT	GSJ/UNSAT		
4.3.1.1	RECORD fire water storage tank V-701 temperature	≥ 42.1 F	47.79	48.47	48.32	48.54	47.98	47.74	47.6			
4.3.1.1	RECORD fire water storage tank V-704 temperature	≥ 42.1 F	49.28	49.91	50.14	50.28	49.57	49.1	49.3			
4.3.1.3	RECORD PF-10 room temperature	≥ 50.1 F	61.54	61.44	60.98	61.33	60.50	60.6	62.3			
4.3.1.3	RECORD PF-11 room temperature	≥ 50.1 F	71.43	67.40	69.91	66.45	68.10	65.4	65.5			
Completion Time:			0950	0820	0850	0921	0740	105	1015			
OC Operator Review and Page Count Complete (initials)			ASJ	ASJ	ASJ	ASJ	ASJ	ASJ	ASJ	ASJ		

1 Temperatures should be recorded using Reference Thermometer FI.UKI; Model 1524 connected to Thermistor Probe FJuke Model 5610-9 (or approved engineered equivalent).

Completed by: Debbie

Date: 3/22/15

Time: 1015

Reviewed by: ASJ

Date: 3/23/15

Time: 1200

Comments:

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 3 of 3)

SRS		Description	Area	Gauge	Acceptance Criteria	Date													
						Weekday:		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
						Mon.													
						Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
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.													
Initials:						EC	AC	AC	AC	AC	AC	AC	AC	AC	AC	AC	AC	AC	
SURVEILLANCE RESULTS						Sat./Unsat. (circle one)													
4.1.1.4	Glovebox exhaust holder APs < Laboratory APs < Basement APs for areas 100, 200, 300 and 400	200 Area	PDI-814-2 PDI-803-2 PDI-804-2	PDI-814-2 < PDI-803-2 2 < PDI-804-2	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat		
		100 Area	PDI-820-2 PDI-802-2 PDI-804-2	PDI-820-2 < PDI-802-2 2 < PDI-804-2	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat		
		300 Area	PDI-870-2 PDI-853-2 PDI-854-2	PDI-870-2 < PDI-853-2 2 < PDI-854-2	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat			
		400 Area	PDI-864-2 PDI-852-2 PDI-854-2	PDI-864-2 < PDI-852-2 2 < PDI-854-2	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat			
Completion Time						0729	1936	0719	1905	0723	1930	0732	1935	0736	1928	0736	1924	0731	

Note: ¹ Mode 2 acceptance criteria is < 0.00 in. wcNote: ² SRS 4.1.2.x only apply during mode 2 in accordance with LCO 3.1.2.Completed by: 2260 Date 3/29/15 Time 1934Reviewed by: RSB

On-duty Supervisor

Date: 3/31/15 Time: 0645Comments: 200 AREA GLOVEBOX READING TAKEN AND EC'S. ENT#20140 PDI-814. @ 3:23:56

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

SR 4.4.1.1, The OPERABILITY acceptance criterion for this surveillance is:

The FLAMMABLE GAS detector in the STF 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).

SR	Description / Gauge	Acceptance Criteria		SURVEILLANCE RESULTS (percentage)						
		Date:	3/23/15	3/24/2015	3/25/15	3/26/15	3/27/15	3/28/15	3/29/15	
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.	
		Initials:	RLH	BF	qin	qin	RLH	WMA	LS	
4.4.1.1	Flammable Gas Channel Check DET-305-3 (LCD Reading)	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CP-305-H (LED Reading)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	(DET-305-3) – (CP-305H) (LCD Reading) (LED Reading)	Record Calculated Value ≥ -0.1 ; $\leq +0.1$	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Completion Time:		0830	0805	0813	0825	0802	0838	0823	

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side)(UET)

(Page 2 of 4)

SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
				Date:	Weekday:	Initials:				
				3/23/15	3/24/2015	3/25/15	3/26/15	3/27/15	3/28/15	3/29/15
				Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
				24	DF	24	gr	24	mint	24
4.1.3.4	South basement supply filter plenum (HVP-841) AP	¹ PDI-894-1	≤ 2.0 & > 0' in. wc	.07	.07	.07	.07	.07	.07	.05
		PDI-894-2	≤ 2.0 & > 0' in. wc	.55	.55	.54	.55	.54	.55	.55
4.1.3.4	South Corridor supply (HVP-810) AP	¹ PDI-895-1	≤ 2.0 & > 0' in. wc	.07	.08	.08	.07	.08	.08	.08
		PDI-895-2	≤ 2.0 & > 0' in. wc	.60	.60	.60	.60	.60	.60	.60
4.1.3.4	300 area glovebox exhaust filter plenum (FF854) AP	¹ PDI-817-1	≤ 2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-817-2	≤ 2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-817-4	≤ 2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-817-5	≤ 2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4	300 area special recovery glovebox exhaust filter plenum (FF858) AP	PDI-819-4	≤ 2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-819-3	≤ 2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-818-1	≤ 2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4	300 area glovebox exhaust filter plenum (FF855) AP	PDI-818-2	≤ 2.0 & > 0' in. wc	.31	.33	.32	.32	.32	.32	.32
		PDI-818-4	≤ 2.0 & > 0' in. wc	.31	.31	.31	.32	.32	.32	.32
		PDI-818-5	≤ 2.0 & > 0' in. wc	.30	.30	.30	.30	.30	.30	.30
4.1.3.4	300 area special recovery glovebox exhaust filter plenum (FF859) AP	PDI-821-1	≤ 2.0 & > 0' in. wc	.40	.41	.40	.40	.40	.40	.40
		PDI-821-3	≤ 2.0 & > 0' in. wc	.45	.45	.45	.44	.45	.45	.42
		PDI-821-4	≤ 2.0 & > 0' in. wc	.40	.40	.39	.39	.39	.39	.39

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 3 of 4)

SRS	Description	Gauge	Acceptance Criteria	Date:							SURVEILLANCE RESULTS (in. wc)						
				Weekdays:													
				Initials:													
				Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.							
				PH	BF	ZH	PH	BT	mm	PH							
				3/23/15	3/24/2015	3/25/15	3/26/15	3/27/15	3/28/15	3/29/15							
4.1.3.4	400 area glovebox exhaust filter plenum (FF856) AP	1PDI-822-1 PDI-822-2 PDI-822-4 PDI-822-5	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$ $\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$ $\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$ $\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$	STBY STBY STBY STBY	STBY STBY STBY STBY	STBY STBY STBY STBY	STBY STBY STBY STBY	STBY STBY STBY STBY	STBY STBY STBY STBY	STBY STBY STBY STBY							
4.1.3.4	400 area glovebox exhaust filter plenum (FF857) AP	1PDI-823-1 PDI-823-2 PDI-823-4 PDI-823-5	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$ $\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$ $\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$ $\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$	.09 .41 .48 .49	.10 .42 .49 .50	.09 .42 .44 .49	.09 .42 .47 .49	.09 .42 .45 .49	.09 .42 .45 .49	.09 .42 .45 .49							
4.1.3.4	South Basement exhaust filter plenum (FF-829) AP	1PDI-830-1 PDI-830-2 PDI-830-3	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$ $\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$ $\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$	.69 .30 .29	.69 .30 .29	.69 .30 .29	.68 .30 .28	.69 .30 .29	.69 .30 .29	.69 .30 .29							
4.1.1.7	300 area re-circulation filter plenum (HVP-805) AP	1PDI-836-1 PDI-836-2 PDI-836-3	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$ $\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$ $\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$	.97 .59 .54	.97 .59 .57	.97 .58 .54	.97 .56 .55	.97 .58 .55	.97 .58 .55	.97 .58 .55							
	300 area re-circulation filter plenum (HVP-806) AP	1PDI-837-1 PDI-837-2 PDI-837-3	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$ $\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$ $\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$	.50 .40 .39	.50 .41 .39	.50 .40 .38	.50 .40 .39	.50 .40 .39	.50 .40 .39	.50 .40 .39							

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 4 of 4)

SRS		Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)							
					Date:							
					Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
					Initials:	BA	BF	BA	gwr	BA	mmg	BA
4.1.1.7	400 area re-circulation filter plenum (HVP-807) AP	PDI-838-1	≤2.0 & > 0' in. wc	.46	.47	.47	.47	.47	.47	.47	.47	.47
		PDI-838-2	≤2.0 & > 0' in. wc	.55	.55	.55	.55	.55	.55	.55	.55	
		PDI-838-3	≤2.0 & > 0' in. wc	.50	.51	.50	.51	.50	.50	.50	.50	
	400 area re-circulation filter plenum (HVP-808) AP	PDI-839-1	≤2.0 & > 0' in. wc	.42	.42	.42	.42	.42	.43	.43	.43	.43
		PDI-839-2	≤2.0 & > 0' in. wc	.58	.58	.58	.58	.58	.58	.58	.58	
		PDI-839-3	≤2.0 & > 0' in. wc	.51	.52	.52	.54	.52	.52	.52	.52	
4.1.3.4	South Bleed off filter plenum (FF-822A) AP	PDI-810-1	≤2.0 & > 0' in. wc	.15	.15	.14	.15	.14	.14	.14	.14	.14
		PDI-810-2	≤2.0 & > 0' in. wc	.49	.49	.45	.47	.45	.45	.45	.45	.43
		PDI-810-3	≤2.0 & > 0' in. wc	.45	.46	.42	.45	.42	.42	.42	.42	.41
4.1.3.4	South Bleed off filter plenum (FF-822B) AP	PDI-811-1	≤2.0 & > 0' in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		PDI-811-2	≤2.0 & > 0' in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		PDI-811-3	≤2.0 & > 0' in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Completion Time				0903	0833	0844	0810	0819	0853	0844		
OC Operator Review and Page Count Complete (initials)				BA	BF	BA	gwr	BA	mmg	BA		

Non T/SR requirement:

Note: SR 4.1.1.7 applies during mode 1 as stated in LCO 3.1.1. SRs 4.1.3.X apply during mode 1 and mode 2 as stated in LCO 3.1.3.

Completed by: gusac Date 3/24/15 Time 0844 Reviewed by: BSB Date 3/31/15 Time 0647

Comments

On-duty Supervisor

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side)(UET)

(Page 1 of 4)

SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
				Date:	Weekday:	Initials:				
				3/23/2015	3-24-15	3/25/15	3/26/2015	3/27/2015	03/28/15	03/29/15
				Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
				EF	PT	AN	EF	EF	MA	MA
4.1.1.7	Vault re-circulation filter plenum (HVP-811) ΔP	¹ PD-840-1	≤2.0 & > 0' in. wc	.16	.16	.16	.16	.16	.15	.15
		PD-840-2	≤2.0 & > 0' in. wc	.56	.57	.56	.57	.57	.57	.57
		PD-840-3	≤2.0 & > 0' in. wc	.50	.50	.50	.50	.50	.50	.50
		¹ PD-841-1	≤2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PD-841-2	≤2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
	Vault re-circulation filter plenum (HVP-812) ΔP	PD-841-3	≤2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		¹ PD-831-1	≤2.0 & > 0' in. wc	.33	.33	.33	.33	.33	.32	.33
		PD-831-2	≤2.0 & > 0' in. wc	.40	.40	.40	.40	.40	.40	.40
		PD-831-3	≤2.0 & > 0' in. wc	.33	.33	.33	.35	.35	.33	.32
		¹ PD-832-1	≤2.0 & > 0' in. wc	.32	.32	.32	.32	.32	.32	.32
4.1.3.4	200 area re-circulation filter plenum (HVP-802) ΔP	PD-832-2	≤2.0 & > 0' in. wc	.60	.60	.60	.60	.60	.60	.60
		PD-832-3	≤2.0 & > 0' in. wc	.55	.55	.55	.56	.56	.55	.54
		¹ PD-807-1	≤2.0 & > 0' in. wc	.12	.12	.12	.12	.12	.12	.12
		PD-807-2	≤2.0 & > 0' in. wc	.49	.49	.49	.50	.50	.50	.49
		PD-807-3	≤2.0 & > 0' in. wc	.49	.49	.48	.49	.49	.48	.48
4.1.3.4	North Bleed off filter plenum (FF-820A) ΔP	¹ PD-809-1	≤2.0 & > 0' in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		PD-809-2	≤2.0 & > 0' in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		PD-809-3	≤2.0 & > 0' in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
4.1.3.4	North Bleed off filter plenum (FF-820B) ΔP	PD-809-1	≤2.0 & > 0' in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		PD-809-2	≤2.0 & > 0' in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		PD-809-3	≤2.0 & > 0' in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

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SRs	Description	Gauge	Acceptance Criteria							SURVEILLANCE RESULTS						
			Date:	3/23/2015	3-24-15	3/25/15	3/26/2015	3/27/2015	03/28/15	03/29/15						
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.						
			Initials:	BF	PT	Ch	Br	BF	mm	mm						
4.1.3.4	North Basement supply filter plenum (11VP-840) AP	1PDI-857-1	≤ 2.0 & > 0' in. wc	.11	.12	.12	.13	.13	.13	.11						
		PDI-857-2	≤ 2.0 & > 0' in. wc	.50	.50	.50	.50	.50	.50	.50						
4.1.3.4	North corridor supply filter plenum (11VP-809) AP	1PDI-856-1	≤ 2.0 & > 0' in. wc	.06	.07	.07	.07	.07	.07	.06						
		PDI-856-2	≤ 2.0 & > 0' in. wc	.50	.50	.50	.50	.50	.50	.50						
1NA	Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C		0 lb/ft ³ combustibles in designated exclusion area (within 15 feet of fans)	BF												
				SAT	SAT	SAT	SAT	SAT	SAT	SAT						
4.3.2.2	Rooms 201, 204, 206, & 207		0 lb/ft ³ 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	BF												
				SAT	SAT	SAT	SAT	SAT	SAT	SAT						
			Completion time	0927	0842	0854	0825	0823	0910	0849						
OC Operator Review and Page Count Complete (Initials)				BE	EA	MD	MD	BE	BE	BE						

Non TSR requirement

Note: SR 4.1.3.4 applies during mode 1 and mode 2.

Completed by: Michael J. Jada Date: 3/1/15 Time: 0854 Reviewed by: RB Date: 3/3/15 Time: 0648Comments: Room 206 SAT for condensation

ATTACHMENT C: Non-PF-4 Daily Surveillance Rounds [UET]

M&TE Calibrated Data						
Record September through April only	PF-10 Thermometer File No.:	039746	PF-10 Thermistor File No.:	042253	V-701 Thermistor File No.:	039744
	Calibration Expiration Date:	6/17/15	Calibration Expiration Date:	6/26/15	Calibration Expiration Date:	6/26/15
	PF-11 Thermometer File No.:	042252	PF-11 Thermistor File No.:	040373	V-704 Thermistor File No.:	040375
	Calibration Expiration Date:	6/17/15	Calibration Expiration Date:	6/26/15	Calibration Expiration Date:	6/26/15

PF-10 & PF-11 Pumphouse Room Temperature and V-701 & V-704 Fire Water Storage Tank Temperature												
SR	Description	Acceptance Criteria										
		Calibration dates have not elapsed.										
		Date:	Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.		
NA	ENSURE M&TE Calibration Data above is recorded and calibration dates have not elapsed.											
4.3.1.1'	RECORD fire water storage tank V-701 temperature	3/23/15										
4.3.1.1'	RECORD fire water storage tank V-704 temperature	3/24/15										
4.3.1.3'	RECORD PF-10 room temperature	3/25/15										
4.3.1.3'	RECORD PF-11 room temperature	3/26/15										
OC Operator Review and Page Count Complete (initials)												

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 03-29-15 Time 0919Reviewed by: [Signature]Date: 3/31/15 Time: 0652

On-duty Supervisor

Comments:

ATTACHMENT A: Per Shift Surveillance Rounds (UET)

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SRS		Description	Area	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS													
						Sat. / Unsat. (circle one)													
						Date: 3-30-15		3-31-15											
						Weekdays:	Mon	Tue	Wed	Thu	Fri	Sat	Sun						
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.						Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	
Initials:						P	U	P	U										
4.1.1.4	Glovebox exhaust header AP's < laboratory AP's < basement AP's for areas: 100, 200, 300 and 400	200 Area	PDI-814-2 PDI-803-2 PDI-804-2	PDI-814-2 < PDI-803-2 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		
		100 Area	PDI-820-2 PDI-802-2 PDI-804-2	PDI-820-2 < PDI-802-2 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		
		300 Area	PDI-870-2 PDI-853-2 PDI-854-2	PDI-870-2 < PDI-853-2 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		
		400 Area	PDI-864-2 PDI-852-2 PDI-854-2	PDI-864-2 < PDI-852-2 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		
		Completion Time:		0130 1410 0130 1432															

Note: ¹ Mode 2 acceptance criteria is < 0.00 in. wcNote: ² SRS 4.1.2.x only apply during mode 2 in accordance with LCO 3.1.2.Completed by: PMC Date: 3/11/15 Time: 1432Reviewed by: BBQ Date: 3/11/15 Time: 0143

On-duty Supervisor

Comments:

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

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:	3/30/2015							3/31/2015						
		Weekday:	Mon.							Tue.	Wed.	Thu.	Fri.	Sat.	Sun.	
		Initials:	BFC							BFC						
		Acceptance Criteria	SURVEILLANCE RESULTS (percentage)													
SR	Description / Gauge Flammable Gas Channel Check DET-305-3 (LCD Reading)	NA	0.0	0.0												
			4.4.1.1	CP-305-H (LED Reading)	0.0	0.0										
			(DET-305-3) – (CP-305H) (LCD Reading) (LED Reading)	Record Calculated Value	0.0	0.0										
			≥ -0.1; ≤ +0.1	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:	BFC 3/30/2015 0845 0750													

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side)(UET)

(Page 2 of 4)

SRs		Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)									
					Date: 3/30/20153/31/2015									
					Weekday: Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.			
					Initials: BF	BF								
4.1.3.4	South basement supply filter plenum (HVP-841) AP	¹ PDI-894-1	≤ 2.0 & > 0' in. wc	.07	.07									
		PDI-894-2	≤ 2.0 & > 0' in. wc	.56	.56									
4.1.3.4	South Corridor supply (HVP-810) AP	¹ PDI-895-1	≤ 2.0 & > 0' in. wc	.09	.09									
		PDI-895-2	≤ 2.0 & > 0' in. wc	.60	.60									
4.1.3.4	300 area glovebox exhaust filter plenum (FF854) AP	¹ PDI-817-1	≤ 2.0 & > 0' in. wc	STBY	STBY									
		PDI-817-2	≤ 2.0 & > 0' in. wc	STBY	STBY									
		PDI-817-4	≤ 2.0 & > 0' in. wc	STBY	STBY									
		PDI-817-5	≤ 2.0 & > 0' in. wc	STBY	STBY									
4.1.3.4	300 area special recovery glovebox exhaust filter plenum (FF858) AP	PDI-819-1	≤ 2.0 & > 0' in. wc	STBY	STBY									
		PDI-819-3	≤ 2.0 & > 0' in. wc	STBY	STBY									
		PDI-819-4	≤ 2.0 & > 0' in. wc	STBY	STBY									
		¹ PDI-818-1	≤ 2.0 & > 0' in. wc	.27	.27									
4.1.3.4	300 area glovebox exhaust filter plenum (FF855) AP	PDI-818-2	≤ 2.0 & > 0' in. wc	.33	.33									
		PDI-818-4	≤ 2.0 & > 0' in. wc	.32	.32									
		PDI-818-5	≤ 2.0 & > 0' in. wc	.30	.30									
		PDI-821-1	≤ 2.0 & > 0' in. wc	.40	.40									
4.1.3.4	300 area special recovery glovebox exhaust filter plenum (FF859) AP	PDI-821-3	≤ 2.0 & > 0' in. wc	.45	.45									
		PDI-821-4	≤ 2.0 & > 0' in. wc	.39	.39									

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

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SRs			Description	Gauge	Acceptance Criteria			SURVEILLANCE RESULTS (in. wc)								
					Date:	Weekday:	Initials:									
					3/30/2014	Mon.	BF	3/31/2015	Tue.	BP						
4.1.1.7	400 area re-circulation filter plenum (HVP-807) AP	PDI-838-1	$\leq 2.0 \text{ \> } 0^1$ in. wc	.48	.48											
		PDI-838-2	$\leq 2.0 \text{ \> } 0^1$ in. wc	.55	.55											
		PDI-838-3	$\leq 2.0 \text{ \> } 0^1$ in. wc	.51	.51											
	400 area re-circulation filter plenum (HVP-808) AP	PDI-839-1	$\leq 2.0 \text{ \> } 0^1$ in. wc	.44	.44											
		PDI-839-2	$\leq 2.0 \text{ \> } 0^1$ in. wc	.58	.58											
		PDI-839-3	$\leq 2.0 \text{ \> } 0^1$ in. wc	.55	.55											
4.1.3.4	South Bleed off filter plenum (FF-822A) AP	PDI-810-1	$\leq 2.0 \text{ \> } 0^1$ in. wc	.15	.15											
		PDI-810-2	$\leq 2.0 \text{ \> } 0^1$ in. wc	.47	.43											
		PDI-810-3	$\leq 2.0 \text{ \> } 0^1$ in. wc	.45	.43											
4.1.3.4	South Bleed off filter plenum (FF-822B) AP	PDI-811-1	$\leq 2.0 \text{ \> } 0^1$ in. wc	OFF	OFF											
		PDI-811-2	$\leq 2.0 \text{ \> } 0^1$ in. wc	OFF	OFF											
		PDI-811-3	$\leq 2.0 \text{ \> } 0^1$ in. wc	OFF	OFF											
				Completion Time	0920	0815										
OC Operator Review and Page Count Complete (initials)				880	✓	0800										

Non TSR requirement:

Note: SR 4.1.1.7 applies during mode 1 as stated in LCO 3.1.1. SRs 4.1.3.X apply during mode 1 and mode 2 as stated in LCO 3.1.3.

Completed by: B. Ferguson Date: 3/31/15 Time: 0940

Reviewed by:

On-duty Supervisor

Date: 4/1/15Time: 0744

Comments

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side)(UET)

(Page 1 of 4)

SRS	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
				Date:	3/30/2015	3/31/2015				
				Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
			Initials:	BF	BF					
4.1.1.7	Vault re-circulation filter plenum (HVP-811) ΔP	¹ PDI-840-1	≤2.0 & > 0 ¹ in. wc	.16	.16					
		PDI-840-2	≤2.0 & > 0 ¹ in. wc	.58	.58					
		PDI-840-3	≤2.0 & > 0 ¹ in. wc	.50	.50					
		¹ PDI-841-1	≤2.0 & > 0 ¹ in. wc	STBY	STBY					
		PDI-841-2	≤2.0 & > 0 ¹ in. wc	STBY	STBY					
	Vault re-circulation filter plenum (HVP-812) ΔP	PDI-841-3	≤2.0 & > 0 ¹ in. wc	STBY	STBY					
		¹ PDI-831-1	≤2.0 & > 0 ¹ in. wc	.33	.33					
		PDI-831-2	≤2.0 & > 0 ¹ in. wc	.40	.40					
		PDI-831-3	≤2.0 & > 0 ¹ in. wc	.37	.36					
		¹ PDI-832-1	≤2.0 & > 0 ¹ in. wc	.32	.32					
	200 area re-circulation filter plenum (HVP-802) ΔP	PDI-832-2	≤2.0 & > 0 ¹ in. wc	.60	.60					
		PDI-832-3	≤2.0 & > 0 ¹ in. wc	.52	.55					
		¹ PDI-807-1	≤2.0 & > 0 ¹ in. wc	.12	.12					
		PDI-807-2	≤2.0 & > 0 ¹ in. wc	.50	.50					
		PDI-807-3	≤2.0 & > 0 ¹ in. wc	.49	.49					
4.1.3.4	North Bleed off filter plenum (PF-820A) 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 4)

SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
				Date:	Weekday:	Initials:				
				3/30/2015	3/31/2015					
				Mon.	Tue.					
				BC	BF					
4.1.3.4	North Basement exhaust filter plenum (FF-828) AP	PDI-829-1	$\leq 2.0 \> 0^1$ in. wc	.15	.15					
		PDI-829-2	$\leq 2.0 \> 0^1$ in. wc	.39	.39					
		PDI-829-3	$\leq 2.0 \> 0^1$ in. wc	.30	.30					
4.1.1.7	100 area re-circulation filter plenum (IIVP-803) AP	PDI-833-1	$\leq 2.0 \> 0^1$ in. wc	>1.0	>1.0					
		PDI-833-2	$\leq 2.0 \> 0^1$ in. wc	.48	.48					
		PDI-833-3	$\leq 2.0 \> 0^1$ in. wc	.47	.46					
		PDI-835-1	$\leq 2.0 \> 0^1$ in. wc	.16	.16					
		PDI-835-2	$\leq 2.0 \> 0^1$ in. wc	.46	.46					
4.1.3.4	100 area glovebox exhaust filter plenum (FF852) AP	PDI-835-3	$\leq 2.0 \> 0^1$ in. wc	.41	.41					
		PDI-815-1	$\leq 2.0 \> 0^1$ in. wc	.19	.19					
		PDI-815-2	$\leq 2.0 \> 0^1$ in. wc	.45	.45					
		PDI-815-4	$\leq 2.0 \> 0^1$ in. wc	.35	.35					
		PDI-815-5	$\leq 2.0 \> 0^1$ in. wc	.40	.40					
4.1.3.4	100 area glovebox exhaust filter plenum (FF853) AP	PDI-816-1	$\leq 2.0 \> 0^1$ in. wc	STBY	STBY					
		PDI-816-2	$\leq 2.0 \> 0^1$ in. wc	STBY	STBY					
		PDI-816-4	$\leq 2.0 \> 0^1$ in. wc	STBY	STBY					
		PDI-816-5	$\leq 2.0 \> 0^1$ in. wc	STBY	STBY					

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 3 of 4)

SRS		Description	Gauge	Acceptance Criteria							SURVEILLANCE RESULTS (in. wc)								
				Date:		3/30/2015		3/31/2015											
				Weekday:		Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
				Initials:		BF		BF											
4.1.3.4	200 arca glovebox exhaust filter plenum (FF850) ΔP	1PDI-812-1	≤2.0 & > 0' in. wc	.15	.16														
		PDI-812-2	≤2.0 & > 0' in. wc	.39	.39														
		PDI-812-3	≤2.0 & > 0' in. wc	.38	.38														
		PDI-812-4	≤2.0 & > 0' in. wc	.36	.37														
		PDI-812-5	≤2.0 & > 0' in. wc	.32	.32														
4.1.3.4	200 arca glovebox exhaust filter plenum (FF851) ΔP	1PDI-813-1	≤2.0 & > 0' in. wc	STBY	STBY														
		PDI-813-2	≤2.0 & > 0' in. wc	STBY	STBY														
		PDI-813-3	≤2.0 & > 0' in. wc	STBY	STBY														
		PDI-813-4	≤2.0 & > 0' in. wc	STBY	STBY														
		PDI-813-5	≤2.0 & > 0' in. wc	STBY	STBY														
4.1.3.4	HFT exhaust filter plenum (FF-865) ΔP	1PDI-865-1	≤2.0 & > 0' in. wc	.03	.03														
		PDI-865-2	≤2.0 & > 0' in. wc	.32	.32														
		PDI-865-3	≤2.0 & > 0' in. wc	.40	.39														
4.1.3.4	HFT supply filter plenum (HVP-863) ΔP	1PDI-863-1	≤2.0 & > 0' in. wc	.05	.05														
		PDI-863-2	≤2.0 & > 0' in. wc	.28	.29														

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 4 of 4)

SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS								
				Date:		Weekdays:					Initials:	
				3/30/2015	3/31/2015	Mon.	Tue.	Wed.	Thu.	Fri.		Sat.	Sun.
4.1.3.4	North Basement supply filter plenum (11VP-840) AP	1PDI-857-1	≤ 2.0 & $> 0^1$ in. wc	.07	.08							
		PDI-857-2	≤ 2.0 & $> 0^1$ in. wc	.50	.50							
4.1.3.4	North corridor supply filter plenum (11VP-809) AP	1PDI-856-1	≤ 2.0 & $> 0^1$ in. wc	.06	.07							
		PDI-856-2	≤ 2.0 & $> 0^1$ in. wc	.51	.51							
1A	Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C		0 lb/ft ³ combustibles in designated exclusion area (within 15 feet of fans)	SAT	SAT							
4.3.2.2	Rooms 201, 204, 206, & 207		0 lb/ft ³ 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				0901	0920							
OC Operator Review and Page Count Complete (initials)				BOB	BOB							

Non TSR requirement

Note: SR 4.1.3.4 applies during mode 1 and mode 2.

Completed by: P. Ferretan Date: 3/3/2015 Time: 0941Reviewed by: RSB

On-duty Supervisor

Date: 4/1/15 Time: 0743

Comments:

ATTACHMENT C: Non-PF-4 Daily Surveillance Rounds [UET]

M&TE Calibrated Data					
Record September through April only	Pf-10 Thermometer File No.:		397440		
	Calibration Expiration Date:		6/17/15		
	Pf-11 Thermometer File No.:		42252		
	Calibration Expiration Date:		6/12/15		
	Pf-10 Thermistor File No.:		42253		
	Calibration Expiration Date:		6/26/15		
	Pf-11 Thermistor File No.:		40373		
	Calibration Expiration Date:		6/26/15		
	V-701 Thermistor File No.:		39744		
	Calibration Expiration Date:		4/24/15		
	V-704 Thermistor File No.:		40375		
	Calibration Expiration Date:		6/24/15		

Pf-10 & Pf-11 Pumphouse Room Temperature and V-701 & V-704 Fire Water Storage Tank Temperature												
SR		Description	Acceptance Criteria									
			Calibration dates have not elapsed.									
			Daily (September through April only)									
NA		ENSURE M&TE Calibration Data above is recorded and calibration dates have not elapsed.	Calibration dates have not elapsed.									
43.1.1'		RECORD fire water storage tank V-701 temperature	51.4	51.8								
43.1.1'		RECORD fire water storage tank V-704 temperature	53.4	53.6								
43.1.3'		RECORD Pf-10 room temperature	45.1	42.8								
43.1.3'		RECORD Pf-11 room temperature	41.2	42.3								
		Completion Time:	0857	0815								
OC Operator Review and Page Count Complete (initials)												
			0800	0800	A							

Temperatures should be recorded using Reference Thermometer FLUKE Model 1524 connected to Thermistor Probe Fluke Model 5610-9 (or approved engineered equivalent).

Completed by: 2. [Signature]

Date: 3/31/15 Time: 0810

Reviewed by: [Signature]

Date: 4/1/15 Time: 0715

On-duty Supervisor

Comments:

ATTACHMENT D-1: Monthly Surveillance Rounds (Confinement Doors) [UET]

(Page 1 of 2)

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	<input checked="" type="radio"/> Sat / <input type="radio"/> Unsat.	1339	3/11/2015	BF
4.1.3.2	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).	<input checked="" type="radio"/> Sat / <input type="radio"/> Unsat.	1339	3/11/2015	BF
4.1.3.2	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).	<input checked="" type="radio"/> Sat / <input type="radio"/> Unsat.	1335	3/11/2015	BF
*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	<input checked="" type="radio"/> Sat / <input type="radio"/> Unsat.	0912	3/11/2015	BF
4.1.3.2	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).	<input checked="" type="radio"/> Sat / <input type="radio"/> Unsat.	0910	3/11/2015	BF
			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. 4.59 Seconds	<input checked="" type="radio"/> Sat / <input type="radio"/> Unsat.	0909	3/11/2015	BF

*Note: Monthly inspection of DR-344 and DR-102 in accordance with compensatory measures(s) from: Request for Permanent Equivalency to OLC Order 420 1B Chapter 11, NFPA 80, NFPA 101 and IBC Requirements for LANL Building TA55-4 (P.F.-J): Installation of New Confinement Doors DR-102, DR-302, and DR-344 LANL-DOE-ORDER-420 1B-EO-2013-001

ATTACHMENT D-1: 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	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). 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.	<input checked="" type="radio"/> Sat <input type="radio"/> Unsat.	1347	3/11/2015	BF
			6.16 Seconds				
4.1.3.2	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.	<input checked="" type="radio"/> Sat <input type="radio"/> Unsat.	1355	3/11/2015	BF
4.1.3.2	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).	<input checked="" type="radio"/> Sat <input type="radio"/> Unsat.	1029	3/11/2015	BF
OC Operator Review and Page Count Complete							U

Note: SR 4.1.3.2 applies during mode 1 and 2.

Completed by: Brian FordhamDate: 3/11/2015 Time: 1400Reviewed by: RSBDate: 3/11/15Time: 1408

On-duty Supervisor Comments: _____

ATTACHMENT D-2: Monthly Surveillance Rounds (CAS) (Operations Center) [UET]

(Page 1 of 1)

SR	Description		Acceptance Criteria	Sat. / Unsat.	Initials
	Channel #	Location			
4.2.1.1	1	Rm. 201	> 1 mR/hr	(Sat) / Unsat.	JS
	2	Rm. 106	> 1 mR/hr	(Sat) / Unsat.	JS
	3	Rm. 305	> 1 mR/hr	(Sat) / Unsat.	JS
	4	Rm. 401	> 1 mR/hr	(Sat) / Unsat.	JS
	5	Rm. 206	> 1 mR/hr	(Sat) / Unsat.	JS
	6	Rm. 114	> 1 mR/hr	(Sat) / Unsat.	JS
	7	Rm. 319 W	> 1 mR/hr	(Sat) / Unsat.	JS
	8	Rm. 409	> 1 mR/hr	(Sat) / Unsat.	JS
	9	Rm. 208	> 1 mR/hr	(Sat) / Unsat.	JS
	10	Rm. 124	> 1 mR/hr	(Sat) / Unsat.	JS
	11	Rm. 319 E	> 1 mR/hr	(Sat) / Unsat.	JS
	12	Rm. 420	> 1 mR/hr	(Sat) / Unsat.	JS
	13	Rm. 209	> 1 mR/hr	(Sat) / Unsat.	JS
	14	Rm. 126	> 1 mR/hr	(Sat) / Unsat.	JS
	15	Rm. 327	> 1 mR/hr	(Sat) / Unsat.	JS
	16	Rm. 429	> 1 mR/hr	(Sat) / Unsat.	JS
	17	Vault 17	> 1 mR/hr	(Sat) / Unsat.	JS
	18	Vault 18	> 1 mR/hr	(Sat) / Unsat.	JS
	19	Vault 19	> 1 mR/hr	(Sat) / Unsat.	JS
	20	Vault 20	> 1 mR/hr	(Sat) / Unsat.	JS

Note: These readings **SHALL** be taken on the rate meters in rack RK-801-3 in the OC.

Completed by: [Signature] Date 3/1/15 Time 0705

Reviewed by: [Signature] Date 5/2/15 Time 1200

On-duty Supervisor

Comments:

April

Attachment B, Surveillance Training Checklist

(Page 1 of 2)

Procedure title:	SURVEILLANCE ROUNDS
Procedure no.:	TA55-STP-004, R17
Date of issue:	4/1/15
Working copy issued to:	A DUNSEITH
Working copy issued by:	R PRICE
	Certified Operations Center Operator

Operations Center Operator Review

Signature:  Date: 5/1/15

Required Reading for this Surveillance has been completed.

Training Checklist

Workers Performing Surveillance	Applicable Surveillance Training Current	
	Initials	Date
R BRISQNE	u	4/1/15
B CHANCE	u	
D DUNLAUF	u	
A DUNSEITH	u	
J LOVATO	u	
R LUM	u	
A ORTIZ	u	
F SEIBERT	u	
J SMELTZ	u	
R PRICE	u	✓

Comments:

Attachment B, Surveillance Training Checklist (continued)
(Page 2 of 2)

Training Checklist (continuation sheet)

[illegible]

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 1 of 3)

Note Gauge readings should be taken on rack #4 in the OC, whenever possible. Document if alternate PDIs are used.	Date:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
		Weekday:													
		Shift:													
		Initials:													
SRs	Description	Gauge Acceptance Criteria		SURVEILLANCE RESULTS (in. wc)											
4.1.1.1 4.1.2.1 ²	200 area glovebox exhaust header AP	PDI-814-1 or PDI-814-2	≤1.0 in. wc			-2.18	-2.10	-2.18	-2.15	-2.18	-2.14	-2.13	-2.14	-2.16	-2.17
	100 area glovebox exhaust header AP	PDI-820-1 or PDI-820-2	≤1.0 in. wc			-1.91	-1.91	-1.91	-1.90	-1.92	-1.91	-1.91	-1.92	-1.91	-1.91
	300 area glovebox exhaust header AP	PDI-870-1 or PDI-870-2	≤1.0 in. wc			-1.98	-1.97	-1.98	-1.97	-1.97	-1.97	-1.97	-1.97	-1.98	-1.98
	400 area glovebox exhaust header AP	PDI-864-1 or PDI-864-2	≤1.0 in. wc			-1.97	-1.97	-1.97	-1.99	-1.97	-1.96	-1.97	-1.97	-1.96	-1.97
4.1.1.2 4.1.1.5 4.1.2.2 ²	200 area laboratory header AP	PDI-803-1 or PDI-803-2	≤0.05 in. wc			-2.21	-2.21	-2.21	-2.21	-2.21	-2.21	-2.21	-2.22	-2.22	-2.22
	100 area laboratory header AP	PDI-802-1 or PDI-802-2	≤0.05 in. wc			-2.24	-2.24	-2.24	-2.24	-2.24	-2.24	-2.24	-2.24	-2.24	-2.24
	300 area laboratory header AP	PDI-853-1 or PDI-853-2	≤0.05 in. wc			-1.9	-2.0	-1.9	-2.1	-2.0	-2.0	-1.9	-2.0	-1.8	-2.0
	400 area laboratory header AP	PDI-852-1 or PDI-852-2	≤0.05 in. wc			-1.9	-2.1	-2.0	-2.1	-2.1	-2.1	-2.0	-2.0	-1.9	-2.1
4.1.1.3 4.1.2.3 ²	IFT Facility AP	PDI-865-4 or PDI-865-5	≤0.05 in. wc			-1.8	-1.8	-1.8	-2.0	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9
	North basement AP	PDI-804-1 or PDI-804-2	<0.00 in. wc			-2.08	-1.10	-2.09	-2.11	-2.09	-1.10	-2.06	-1.10	-2.08	-1.10
	South basement AP	PDI-854-1 or PDI-854-2	<0.00 in. wc			-2.08	-1.10	-2.09	-2.11	-2.09	-1.10	-2.06	-1.10	-2.08	-1.10
	IRT Tunnel AP	PDI-901 or PDI-901	<0.00 in. wc			-2.08	-1.10	-2.07	-2.11	-2.07	-1.10	-2.06	-1.10	-2.07	-1.11

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 3 of 3)

Note		Date:	04-01-15		04-02-15		04-03-15		04-04-15		04-05-15	
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.		Weekday:	Mon.		Tue.		Wed.		Thu.		Fri.	
		Shift:	AM PM		AM PM		AM PM		AM PM		AM PM	
		Initials:					BC		BC		BC	
SRs	Description	Area	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS							
4.1.1.4	Glovebox exhaust header AP's < laboratory AP's < basement AP's 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	Sat	Sat	Sat	Sat	Sat	Sat	Sat
		100 Area	PDI-820-2 PDI-802-2 PDI-804-2	PDI-820-2 < PDI-802-2 < PDI-804-2	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat
		300 Area	PDI-870-2 PDI-853-2 PDI-854-2	PDI-870-2 < PDI-853-2 < PDI-854-2	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat
		400 Area	PDI-864-2 PDI-852-2 PDI-854-2	PDI-864-2 < PDI-852-2 < PDI-854-2	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat
			Completion Time									
					0124	1925	1917	0730	1929	0730	1928	0730

Note: ¹ Mode 2 acceptance criteria is < 0.00 in. wcNote: ² SRs 4.1.2 x only apply during mode 2 in accordance with LCO 3.1.2.Completed by: W 14-04 Date: 4/1/15 Time: 1931Reviewed by: [Signature]

On-duty Supervisor

Date: 4/1/15Time: 1931

Comments:

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

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:			4/1/15	4-2-15	4-3-15	4/4/15	4/5/15
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:			GAH	PT	PT	0000	0800
		Acceptance Criteria	SURVEILLANCE RESULTS (percentage)						
SR 4.4.1.1	Description / Gauge Flammable Gas Channel Check DET-305-3 (LCD Reading)	NA			0.0	0.0	0.0	0.0	0.0
	CP-305-H (LED Reading)				0.0	0.0	0.0	0.0	0.0
	(DET-305-3) - (CP-305H) (LCD Reading) (LED Reading)		Record Calculated Value ≥ -0.1; ≤ +0.1			0.0	0.0	0.0	0.0
			Sat. / Unsat.	Sat. / Unsat.	Sat. / Unsat.	Sat. / Unsat.	Sat. / Unsat.	Sat. / Unsat.	Sat. / Unsat.
		Completion Time:			0800	0854	0714	0753	0825

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side)[UET]

(Page 2 of 4)

SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
				Date:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
				Weekday:	Initials:					
							4/1/15	4-2-15	4-3-15	4/4/15
							Wed.	Thu.	Fri.	Sat.
							24	PT	PT	PT
										45-15
										Sun.
										0
4.1.3.4	South basement supply filter plenum (HVP-841) AP	'PDI-894-1	≤ 2.0 & $> 0'$ in. wc				.07	.07	.07	.07
		PDI-894-2	≤ 2.0 & $> 0'$ in. wc				.54	.56	.55	.55
4.1.3.4	South Corridor supply (HVP-810) AP	'PDI-895-1	≤ 2.0 & $> 0'$ in. wc				.08	.08	.08	.08
		PDI-895-2	≤ 2.0 & $> 0'$ in. wc				.40	.61	.61	.61
		'PDI-817-1	≤ 2.0 & $> 0'$ in. wc				STBY	STBY	STBY	STBY
4.1.3.4	300 area glovebox exhaust filter plenum (FF854) AP	PDI-817-2	≤ 2.0 & $> 0'$ in. wc				STBY	STBY	STBY	STBY
		PDI-817-4	≤ 2.0 & $> 0'$ in. wc				STBY	STBY	STBY	STBY
		PDI-817-5	≤ 2.0 & $> 0'$ in. wc				STBY	STBY	STBY	STBY
4.1.3.4	300 area special recovery glovebox exhaust filter plenum (FF858) AP	PDI-819-1	≤ 2.0 & $> 0'$ in. wc				STBY	STBY	STBY	STBY
		PDI-819-3	≤ 2.0 & $> 0'$ in. wc				STBY	STBY	STBY	STBY
		PDI-819-4	≤ 2.0 & $> 0'$ in. wc				STBY	STBY	STBY	STBY
4.1.3.4	300 area glovebox exhaust filter plenum (FF855) AP	'PDI-818-1	≤ 2.0 & $> 0'$ in. wc				.27	.27	.27	.27
		PDI-818-2	≤ 2.0 & $> 0'$ in. wc				.31	.31	.31	.32
		PDI-818-4	≤ 2.0 & $> 0'$ in. wc				.31	.31	.31	.32
		PDI-818-5	≤ 2.0 & $> 0'$ in. wc				.30	.30	.30	.30
4.1.3.4	300 area special recovery glovebox exhaust filter plenum (FF859) AP	PDI-821-1	≤ 2.0 & $> 0'$ in. wc				.40	.40	.40	.40
		PDI-821-3	≤ 2.0 & $> 0'$ in. wc				.44	.45	.45	.45
		PDI-821-4	≤ 2.0 & $> 0'$ in. wc				.40	.40	.40	.39

(Page 3 of 4)

			Date:	L			4/1/15	4-2-15	4-3-15	4/4/15	4-5-15
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.	
			Initials:			ett	PT	PT	PT	gpc	
SRS	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)							
4.1.3.4	400 area glovebox exhaust filter plenum (FF856) AP	'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	
		'PDI-823-1	≤ 2.0 & > 0 ¹ in. wc			.09	.09	.09	.09	.09	
4.1.3.4	400 area glovebox exhaust filter plenum (FF857) AP	PDI-823-2	≤ 2.0 & > 0 ¹ in. wc			.41	.41	.41	.41	.41	
		PDI-823-4	≤ 2.0 & > 0 ¹ in. wc			.45	.48	.47	.47	.47	
		PDI-823-5	≤ 2.0 & > 0 ¹ in. wc			.49	.49	.49	.49	.50	
4.1.3.4	South Basement exhaust filter plenum (FF-829) AP	'PDI-830-1	≤ 2.0 & > 0 ¹ in. wc			.69	.69	.69	.68	.69	
		PDI-830-2	≤ 2.0 & > 0 ¹ in. wc			.30	.30	.30	.30	.30	
		PDI-830-3	≤ 2.0 & > 0 ¹ in. wc			.29	.28	.29	.28	.29	
4.1.1.7	300 area re-circulation filter plenum (HVP-805) AP	'PDI-836-1	≤ 2.0 & > 0 ¹ in. wc			.97	.97	.97	.97	.97	
		PDI-836-2	≤ 2.0 & > 0 ¹ in. wc			.58	.58	.58	.58	.58	
		PDI-836-3	≤ 2.0 & > 0 ¹ in. wc			.54	.56	.56	.56	.56	
		'PDI-837-1	≤ 2.0 & > 0 ¹ in. wc			.50	.50	.50	.50	.50	
		PDI-837-2	≤ 2.0 & > 0 ¹ in. wc			.40	.40	.40	.40	.40	
		PDI-837-3	≤ 2.0 & > 0 ¹ in. wc			.39	.39	.39	.39	.39	

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 4 of 4)

				Date:	Mon.	Tue.	Wed.	4-2-15	4-3-15	4-4-15	4-5-15
				Weekday:				Thu.	Fri.	Sat.	Sun.
				Initials:			at	PT	PT	gm	o
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)							
4.1.1.7	400 area re-circulation filter plenum (HVP-807) AP	'PDI-838-1	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$				.47	.47	.47	.47	.47
		PDI-838-2	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$				.55	.55	.55	.55	.55
		PDI-838-3	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$				.50	.51	.51	.50	.50
	400 area re-circulation filter plenum (HVP-808) AP	'PDI-839-1	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$				.43	.43	.43	.43	.43
		PDI-839-2	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$				.58	.58	.59	.57	.57
		PDI-839-3	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$				.52	.52	.52	.52	.52
4.1.3.4	South Bleed off filter plenum (FF-822A) AP	'PDI-810-1	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$				.15	.15	.15	.15	.15
		PDI-810-2	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$				.48	.48	.48	.49	.49
		PDI-810-3	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$				.45	.42	.42	.49	.49
4.1.3.4	South Bleed off filter plenum (FF-822B) AP	'PDI-811-1	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$				OFF	OFF	OFF	OFF	OFF
		PDI-811-2	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$				OFF	OFF	OFF	OFF	OFF
		PDI-811-3	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$				OFF	OFF	OFF	OFF	OFF
				Completion Time							
OC Operator Review and Page Count Complete (initials)							DBS	0830	0752	0813	0845
							at	PT	PT	A-000	A-000

Non TSR requirement:

Note: SR 4.1.1.7 applies during mode 1 as stated in LCO 3.1.1. SRs 4.1.3.X apply during mode 1 and mode 2 as stated in LCO 3.1.3.

Completed by: [Signature] Date: 4-5-15 Time: 0900 Reviewed by: [Signature] Date: 4/6/15 Time: 1110

On-duty Supervisor

Comments

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side)[UET]

(Page 1 of 4)

SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
				Date:	Mon.	Tue.	4/1/2015	4-2-15	4/3/2015	4/4/15
				Weekday:			Wed.	Thu.	Fri.	Sat.
			Initials:				BF	PT	BF	2000
4.1.1.7	Vault re-circulation filter plenum (HVP-811) AP	PDI-840-1	$\leq 2.0 \text{ \& } > 0' \text{ in. wc}$				.16	.16	.16	.16
		PDI-840-2	$\leq 2.0 \text{ \& } > 0' \text{ in. wc}$				.58	.58	.58	.58
		PDI-840-3	$\leq 2.0 \text{ \& } > 0' \text{ in. wc}$				.50	.50	.50	.49
	Vault re-circulation filter plenum (HVP-812) AP	PDI-841-1	$\leq 2.0 \text{ \& } > 0' \text{ in. wc}$				.STBY	STBY	STBY	STBY
		PDI-841-2	$\leq 2.0 \text{ \& } > 0' \text{ in. wc}$				STBY	STBY	STBY	STBY
		PDI-841-3	$\leq 2.0 \text{ \& } > 0' \text{ in. wc}$				STBY	STBY	STBY	STBY
	200 area re-circulation filter plenum (HVP-801) AP	PDI-831-1	$\leq 2.0 \text{ \& } > 0' \text{ in. wc}$				.33	.33	.33	.33
		PDI-831-2	$\leq 2.0 \text{ \& } > 0' \text{ in. wc}$				.41	.40	.41	.40
		PDI-831-3	$\leq 2.0 \text{ \& } > 0' \text{ in. wc}$				.35	.35	.35	.34
4.1.3.4	200 area re-circulation filter plenum (HVP-802) AP	PDI-832-1	$\leq 2.0 \text{ \& } > 0' \text{ in. wc}$				.32	.32	.32	.32
		PDI-832-2	$\leq 2.0 \text{ \& } > 0' \text{ in. wc}$				.60	.60	.60	.60
		PDI-832-3	$\leq 2.0 \text{ \& } > 0' \text{ in. wc}$				.56	.56	.56	.54
	North Bleed off filter plenum (FF-820A) AP	PDI-807-1	$\leq 2.0 \text{ \& } > 0' \text{ in. wc}$				.12	.12	.12	.12
		PDI-807-2	$\leq 2.0 \text{ \& } > 0' \text{ in. wc}$				.50	.50	.50	.50
		PDI-807-3	$\leq 2.0 \text{ \& } > 0' \text{ in. wc}$				.49	.49	.49	.49
4.1.3.4	North Bleed off filter plenum (FF-820B) AP	PDI-809-1	$\leq 2.0 \text{ \& } > 0' \text{ in. wc}$				OFF	OFF	OFF	OFF
		PDI-809-2	$\leq 2.0 \text{ \& } > 0' \text{ in. wc}$				OFF	OFF	OFF	OFF
		PDI-809-3	$\leq 2.0 \text{ \& } > 0' \text{ in. wc}$				OFF	OFF	OFF	OFF

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 2 of 4)

SRs	Description	Gauge	Acceptance Criteria	Date:						
				Weekday:						
				Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:			BF	PT	BF		
						4/1/2015	4-2-15	4/3/2015	4/4/15	4/5/15
SURVEILLANCE RESULTS (in. wc)										
4.1.3.4	North Basement exhaust filter plenum (FF-828) AP	PDI-829-1	≤ 2.0 & $> 0^1$ in. wc			.14	.15	.15	.15	.15
		PDI-829-2	≤ 2.0 & $> 0^1$ in. wc			.35	.38	.38	.38	.38
		PDI-829-3	≤ 2.0 & $> 0^1$ in. wc			.29	.30	.30	.30	.30
4.1.1.7	100 area re-circulation filter plenum (HVP-803) AP	PDI-833-1	≤ 2.0 & $> 0^1$ in. wc			> 1.0	> 1.0	> 1.0	> 1.0	> 1.0
		PDI-833-2	≤ 2.0 & $> 0^1$ in. wc			.48	.48	.48	.48	.48
		PDI-833-3	≤ 2.0 & $> 0^1$ in. wc			.45	.45	.45	.45	.45
	100 area re-circulation filter plenum (HVP-804) AP	PDI-835-1	≤ 2.0 & $> 0^1$ in. wc			.16	.16	.16	.16	.16
		PDI-835-2	≤ 2.0 & $> 0^1$ in. wc			.44	.44	.44	.44	.44
4.1.3.4	100 area glovebox exhaust filter plenum (FF852) AP	PDI-835-3	≤ 2.0 & $> 0^1$ in. wc			.41	.41	.41	.41	.41
		PDI-815-1	≤ 2.0 & $> 0^1$ in. wc			.19	.19	STBY	STBY	STBY
		PDI-815-2	≤ 2.0 & $> 0^1$ in. wc			.48	.42	STBY	STBY	STBY
		PDI-815-4	≤ 2.0 & $> 0^1$ in. wc			.38	.38	STBY	STBY	STBY
		PDI-815-5	≤ 2.0 & $> 0^1$ in. wc			.41	.41	STBY	STBY	STBY
4.1.3.4	100 area glovebox exhaust filter plenum (FF853) AP	PDI-816-1	≤ 2.0 & $> 0^1$ in. wc			STBY	STBY	.39	.40	.39
		PDI-816-2	≤ 2.0 & $> 0^1$ in. wc			STBY	STBY	.48	.48	.42
		PDI-816-4	≤ 2.0 & $> 0^1$ in. wc			STBY	STBY	.47	.45	.46
		PDI-816-5	≤ 2.0 & $> 0^1$ in. wc			STBY	STBY	.48	.48	.47

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 3 of 4)

SRs	Description	Gauge	Acceptance Criteria	Initials:	SURVEILLANCE RESULTS (in. wc)						
					Date:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
					Weekday:						
4.1.3.4	200 area glovebox exhaust filter plenum (FF850) ΔP	PDI-812-1	≤ 2.0 & > 0' in. wc					4/1/2015	4-1-15	4/3/2015	4/4/15
								BF	PT	BF	000
4.1.3.4	200 area glovebox exhaust filter plenum (FF851) ΔP	PDI-812-2	≤ 2.0 & > 0' in. wc					.16	.16	STBY	STBY
								.39	.39	STBY	STBY
								.39	.39	STBY	STBY
								.38	.38	STBY	STBY
								.33	.31	STBY	STBY
4.1.3.4	IFTT exhaust filter plenum (FF-865) ΔP	PDI-813-1	≤ 2.0 & > 0' in. wc					STBY	STBY	1.08	1.08
								STBY	STBY	.31	.31
								STBY	STBY	.28	.28
								STBY	STBY	.31	.31
								STBY	STBY	.27	.24
4.1.3.4	IFTT supply filter plenum (IIVP-863) ΔP	PDI-865-1	≤ 2.0 & > 0' in. wc					.03	.03	.04	.04
								.32	.32	.34	.34
								.38	.38	.40	.38
								.06	.06	.06	.05
								.28	.28	.28	.28

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 4 of 4)

SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS						
				Initials:						
				Date:	Mon.	Tue.	4/1/2015	4-2-15	4/3/2015	4/4/15	4/5/15
Weekday:				Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
Initials:				Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
4.1.3.4	North Basement supply filter plenum (HVP-840) ΔP	PDI-857-1	< 2.0 & > 0' in. wc							
		PDI-857-2	< 2.0 & > 0' in. wc							
4.1.3.4	North corridor supply filter plenum (HVP-809) ΔP	PDI-856-1	< 2.0 & > 0' in. wc							
		PDI-856-2	< 2.0 & > 0' in. wc							
1'NA	Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C		0 lb/ft ³ combustibles in designated exclusion area (within 15 feet of fans)							
4.3.2.2	Rooms 201, 204, 206, & 207		0 lb/ft ³ 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							
Completion time										
OC Operator Review and Page Count Complete (initials)										

On-duty Supervisor

ATTACHMENT C: Non-PF-4 Daily Surveillance Rounds [UET]

M&TE Calibrated Data			
Record September through April only	PF-10 Thermometer File No.:	41-15	039746
	Calibration Expiration Date:	042252	042252
	PF-11 Thermometer File No.:	042252	042252
	Calibration Expiration Date:	042252	042252
Record September through April only	PF-10 Thermistor File No.:	042253	039744
	Calibration Expiration Date:	042253	042253
	PF-11 Thermistor File No.:	040373	040373
	Calibration Expiration Date:	040373	040373

PF-10 & PF-11 Pumphouse Room Temperature and V-701 & V-704 Fire Water Storage Tank Temperature									
Daily (September through April only)									
SR	Description	Date:		Weekday:		Initials:		Acceptance Criteria	
		Calibration dates have not elapsed.		Calibration dates have not elapsed.		Calibration dates have not elapsed.		Calibration dates have not elapsed.	
		≥ 42.1 F		≥ 42.1 F		≥ 50.1 F		≥ 50.1 F	
4.3.1.1'	RECORD fire water storage tank V-701 temperature	52.2	52.5	52.5	52.5	51.7	51.9	51.9	51.9
4.3.1.1'	RECORD fire water storage tank V-704 temperature	54	54.3	54.4	54.4	53.7	53.9	53.9	53.9
4.3.1.3'	RECORD PF-10 room temperature	64.2	62.7	62.1	62.1	61.4	62.6	62.6	62.6
4.3.1.3'	RECORD PF-11 room temperature	64.5	63.1	62.4	62.4	63.5	61.6	61.6	61.6
Completion Time:		0904	0830	0809	0809	0809	1050	1005	1005
OC Operator Review and Page Count Complete (initials)		[Signature]		[Signature]		[Signature]		[Signature]	

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: 4/5/15 Time: 1005

Reviewed by: [Signature] Date: 4/6/15 Time: 1100

On-duty Supervisor

Comments:

(Page 1 of 3)

[illegible]

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 PDTs may be used if FCS is unavailable.	Date: Weekday:	4/6/15		4/7/15		4/8/15		4/9/15		4/10/15		4/11/15		Sun.	
		Mon.		Tue.		Wed.		Thu.		Fri.		Sat.			
		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM		
		Shift:	Initials:												
SRs	Description	Acceptance Criteria	Readings	SURVEILLANCE RESULTS											
				Sat. / Unsat. (circle one)											
	200 area re-circulation fan/plenum	At least one fan/plenum is in service	FR-801 Icon red and PDT-831 AP > .050 or	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat
			FR-802 Icon red and PDT-832 AP > .050	Unsat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat
	100 area re-circulation fan/plenum	At least one fan/plenum is in service	FR-803 Icon red and PDT-833 AP > .050 or	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat
			FR-804 Icon red and PDT-835 AP > .050	Unsat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat
	300 area re-circulation fan/plenum	At least one fan/plenum is in service	FR-805 Icon red and PDT-836 AP > .050 or	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat
			FR-806 Icon red and PDT-837 AP > .050	Unsat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat
	400 area re-circulation fan/plenum	At least one fan/plenum is in service	FR-807 Icon red and PDT-838 AP > .050 or	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat
			FR-808 Icon red and PDT-839 AP > .050	Unsat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat
Vault re-circulation fan/plenum	At least one fan/plenum is in service	FR-811 Icon red and PDT-840 AP > .050 or	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	
		FR-812 Icon red and PDT-841 AP > .050	Unsat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 3 of 3)

Note		Date:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.								
		Weekday:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM							
		Shift:																					
		Initials:																					
4.1.1.4	Glovebox exhaust header AP's < laboratory AP's < basement AP's 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	Acceptance Criteria	SURVEILLANCE RESULTS															
								Sat. / Unsat. (circle one)															
								Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat
								Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	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-820-2	PDI-802-2	PDI-804-2	PDI-820-2 < PDI-802-2 < PDI-804-2	Acceptance Criteria	Sat. / Unsat. (circle one)																	
						Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat		
						Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat		
						Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	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-870-2	PDI-853-2	PDI-854-2	PDI-870-2 < PDI-853-2 < PDI-854-2	Acceptance Criteria	Sat. / Unsat. (circle one)																	
						Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat		
						Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat		
						Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	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	0724/1924 0725/1935 0726/1937 0727/1929 0728/1922 0729/1938																						

Note: ¹ Mode 2 acceptance criteria is < 0.00 in. wcNote: ² SRs 4.1.2.x only apply during mode 2 in accordance with LCO 3.1.2.Completed by: [Signature] Date: 4/11/15 Time: 1938Reviewed by: [Signature]

On-duty Supervisor

Date: 4/11/15 Time: 0630

Comments:

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

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).

SR	Description / Gauge	Date:	4/6/2015	4/7/2015	4/8/2015	4-9-15	4-10-15	4-11-15	4-12-15
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	BF	BF	BF	PT	DL	PT	PT
		SURVEILLANCE RESULTS (percentage)							
4.4.1.1	Flammable Gas Channel Check	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	DET-305-3 (LCD Reading)		0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CP-305-H (LED Reading)		0.0	0.0	0.0	0.0	0.0	0.0	0.0
	(DET-305-3) – (CP-305H)	Record Calculated Value	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	(LCD Reading) (LED Reading)	≥ -0.1 ; $\leq +0.1$	Sat / Unsat.	Sat / Unsat.	Sat / Unsat.	Sat / Unsat.	Sat / Unsat.	Sat / Unsat.	Sat / Unsat.
	Completion Time:	0750	0825	0730	0810	0748	0715	0804	

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side)[UET]

(Page 2 of 4)

Sfks	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
				Date:	4/6/2015	4/7/2015	4/8/2015	4-9-15	4-10-15	4-11-15
				Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
				Initials:	BF	BF	BF	PT	AK	PT
4.1.3.4	South basement supply filter plenum (HVP-841) AP	PDI-894-1	≤ 2.0 & $> 0'$ in. wc		.05	.07	.07	.07	.09	.09
		PDI-894-2	≤ 2.0 & $> 0'$ in. wc		.55	.56	.57	.56	.53	.53
4.1.3.4	South Corridor supply (HVP-810) AP	PDI-895-1	≤ 2.0 & $> 0'$ in. wc		.09	.09	.09	.09	.09	.09
		PDI-895-2	≤ 2.0 & $> 0'$ in. wc		.61	.61	.61	.61	.61	.61
4.1.3.4	300 area glovebox exhaust filter plenum (FF854) AP	PDI-817-1	≤ 2.0 & $> 0'$ in. wc		STBY	STBY	STBY	STBY	.81	.31
		PDI-817-2	≤ 2.0 & $> 0'$ in. wc		STBY	STBY	STBY	STBY	.34	.34
		PDI-817-4	≤ 2.0 & $> 0'$ in. wc		STBY	STBY	STBY	STBY	.34	.35
		PDI-817-5	≤ 2.0 & $> 0'$ in. wc		STBY	STBY	STBY	STBY	.32	.32
		PDI-819-1	≤ 2.0 & $> 0'$ in. wc		STBY	STBY	STBY	STBY	.41	.41
4.1.3.4	300 area special recovery glovebox exhaust filter plenum (FF858) AP	PDI-819-3	≤ 2.0 & $> 0'$ in. wc		STBY	STBY	STBY	STBY	.40	.41
		PDI-819-4	≤ 2.0 & $> 0'$ in. wc		STBY	STBY	STBY	STBY	.34	.34
4.1.3.4	300 area glovebox exhaust filter plenum (FF855) AP	PDI-818-1	≤ 2.0 & $> 0'$ in. wc		.27	.27	.27	.27	STBY	STBY
		PDI-818-2	≤ 2.0 & $> 0'$ in. wc		.33	.33	.33	.32	STBY	STBY
		PDI-818-4	≤ 2.0 & $> 0'$ in. wc		.32	.32	.32	.32	STBY	STBY
		PDI-818-5	≤ 2.0 & $> 0'$ in. wc		.30	.30	.30	.30	STBY	STBY
		PDI-821-1	≤ 2.0 & $> 0'$ in. wc		.41	.40	.40	.40	STBY	STBY
4.1.3.4	300 area special recovery glovebox exhaust filter plenum (FF859) AP	PDI-821-3	≤ 2.0 & $> 0'$ in. wc		.45	.45	.45	.45	STBY	STBY
		PDI-821-4	≤ 2.0 & $> 0'$ in. wc		.40	.40	.40	.40	STBY	STBY

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 3 of 4)

SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
				Date:	4/6/2015	4/7/2015	4/8/2015	4-9-15	4-10-15	4-11-15
				Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
			Initials:	BF	BF	BF	BF	PT	AL	PT
4.1.3.4	400 area glovebox exhaust filter plenum (FF856) AP	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	400 area glovebox exhaust filter plenum (FF857) AP	PDI-823-1	≤ 2.0 & $> 0^1$ in. wc	.09	.10	.10	.10	.09	.09	.09
		PDI-823-2	≤ 2.0 & $> 0^1$ in. wc	.42	.44	.43	.43	.42	.45	.42
		PDI-823-4	≤ 2.0 & $> 0^1$ in. wc	.49	.49	.49	.49	.48	.48	.48
		PDI-823-5	≤ 2.0 & $> 0^1$ in. wc	.49	.49	.49	.49	.49	.49	.49
4.1.3.4	South Basement exhaust filter plenum (FF-829) AP	PDI-830-1	≤ 2.0 & $> 0^1$ in. wc	.70	.69	.69	.69	.69	.68	.69
		PDI-830-2	≤ 2.0 & $> 0^1$ in. wc	.30	.30	.30	.30	.30	.30	.30
		PDI-830-3	≤ 2.0 & $> 0^1$ in. wc	.29	.29	.29	.29	.29	.28	.29
4.1.1.7	300 area re-circulation filter plenum (IIVP-805) AP	PDI-836-1	≤ 2.0 & $> 0^1$ in. wc	.97	.97	.97	.97	.97	.97	.97
		PDI-836-2	≤ 2.0 & $> 0^1$ in. wc	.59	.59	.59	.59	.58	.57	.58
		PDI-836-3	≤ 2.0 & $> 0^1$ in. wc	.58	.58	.58	.58	.57	.54	.53
	300 area re-circulation filter plenum (IIVP-806) AP	PDI-837-1	≤ 2.0 & $> 0^1$ in. wc	.50	.50	.50	.50	.50	.50	.50
		PDI-837-2	≤ 2.0 & $> 0^1$ in. wc	.41	.41	.41	.41	.41	.41	.41
		PDI-837-3	≤ 2.0 & $> 0^1$ in. wc	.39	.39	.39	.39	.38	.39	.39

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 4 of 4)

SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)								
				Date:	4/6/2015	4/7/2015	4/8/2015	4-9-15	4-10-15	4-11-15	4-12-15	
				Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.	
			Initials:	BF	BF	BF	BF	PT	Ph	PT		
4.1.1.7	400 area re-circulation filter plenum (IIVP-807) AP	PDI-838-1	≤ 2.0 & $> 0^1$ in. wc	.48	.48	.48	.48	.47	.47	.47		
		PDI-838-2	≤ 2.0 & $> 0^1$ in. wc	.55	.55	.56	.56	.57	.57	.57		
		PDI-838-3	≤ 2.0 & $> 0^1$ in. wc	.51	.51	.51	.51	.50	.51	.51		
	400 area re-circulation filter plenum (IIVP-808) AP	PDI-839-1	≤ 2.0 & $> 0^1$ in. wc	.44	.44	.44	.43	.43	.43	.43		
		PDI-839-2	≤ 2.0 & $> 0^1$ in. wc	.59	.59	.59	.59	.50	.58	.58		
		PDI-839-3	≤ 2.0 & $> 0^1$ in. wc	.53	.53	.53	.52	.52	.52	.52		
4.1.3.4	South Bleed off filter plenum (FF-822A) AP	PDI-810-1	≤ 2.0 & $> 0^1$ in. wc	.14	.15	.15	.15	.14	.15	.15		
		PDI-810-2	≤ 2.0 & $> 0^1$ in. wc	.44	.48	.47	.48	.45	.42	.42		
		PDI-810-3	≤ 2.0 & $> 0^1$ in. wc	.43	.45	.45	.45	.43	.42	.41		
4.1.3.4	South Bleed off filter plenum (FF-822B) AP	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	0830	0910	0807	0834	0809	0757	0744		
OC Operator Review and Page Count Complete (initials)												

'Non TSR requirement:

Note: SR 4.1.1.7 applies during mode 1 as stated in LCO 3.1.1.1. SRs 4.1.3.X apply during mode 1 and mode 2 as stated in LCO 3.1.3.

Completed by: Paul Triggles Date 4-12-15 Time 0744 Reviewed by: [Signature] Date: 4/14/15 Time: 0630

On-duty Supervisor

Comments

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side)[UET]

(Page 1 of 4)

SRs	Description	Gauge	Acceptance Criteria	Initials:	Date:							SURVEILLANCE RESULTS (in. wc)		
					Weekday:									
					4/6/2015	4/7/2015	4/8/2015	4/9/2015	4/10/15	4-11-15	4-12-15			
					Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.			
					BF	BF	BF	BF	AS	PT	PT			
4.1.1.7	Vault re-circulation filter plenum (HVP-811) ΔP	PDI-840-1	≤2.0 & > 0' in. wc		.17	.17	.17	.17	STBY	STBY	STBY			
		PDI-840-2	≤2.0 & > 0' in. wc		.58	.58	.58	.58	STBY	STBY	STBY			
		PDI-840-3	≤2.0 & > 0' in. wc		.50	.50	.50	.50	STBY	STBY	STBY			
	Vault re-circulation filter plenum (HVP-812) ΔP	PDI-841-1	≤2.0 & > 0' in. wc		STBY	STBY	STBY	STBY	.44	.44	.44			
		PDI-841-2	≤2.0 & > 0' in. wc		STBY	STBY	STBY	STBY	.56	.57	.58			
		PDI-841-3	≤2.0 & > 0' in. wc		STBY	STBY	STBY	STBY	.50	.50	.50			
	200 area re-circulation filter plenum (HVP-801) ΔP	PDI-831-1	≤2.0 & > 0' in. wc		.33	.32	.33	.33	.33	.33	.33			
		PDI-831-2	≤2.0 & > 0' in. wc		.41	.41	.41	.41	.40	.40	.40			
		PDI-831-3	≤2.0 & > 0' in. wc		.32	.33	.33	.33	.32	.32	.32			
4.1.3.4	200 area re-circulation filter plenum (HVP-802) ΔP	PDI-832-1	≤2.0 & > 0' in. wc		.32	.33	.33	.33	.32	.33	.33			
		PDI-832-2	≤2.0 & > 0' in. wc		.60	.60	.60	.60	.60	.60	.60			
		PDI-832-3	≤2.0 & > 0' in. wc		.58	.57	.58	.58	.55	.55	.55			
	North Bleed off filter plenum (FF-820A) ΔP	PDI-807-1	≤2.0 & > 0' in. wc		.12	.12	.12	.12	.12	.12	.12			
		PDI-807-2	≤2.0 & > 0' in. wc		.50	.50	.50	.50	.50	.50	.50			
		PDI-807-3	≤2.0 & > 0' in. wc		.49	.49	.49	.49	.49	.49	.49			
	North Bleed off filter plenum (FF-820B) ΔP	PDI-809-1	≤2.0 & > 0' in. wc		OFF	OFF	OFF	OFF	OFF	OFF	OFF			
		PDI-809-2	≤2.0 & > 0' in. wc		OFF	OFF	OFF	OFF	OFF	OFF	OFF			
		PDI-809-3	≤2.0 & > 0' in. wc		OFF	OFF	OFF	OFF	OFF	OFF	OFF			

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

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SRs	Description	Gauge	Acceptance Criteria	Initials:	Date:	4/6/2015	4/7/2015	4/8/2015	4/9/2015	4/10/15	4-11-15	4-12-15
					Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
						BF	BF	BF	BF		PT	
					SURVEILLANCE RESULTS (in. wc)							
4.1.3.4	200 area glovebox exhaust filter plenum (FF850) AP	PDI-812-1	<2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY	
		PDI-812-2	<2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY	
		PDI-812-3	<2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY	
		PDI-812-4	<2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY	
		PDI-812-5	<2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY	
4.1.3.4	200 area glovebox exhaust filter plenum (FF851) AP	PDI-813-1	<2.0 & > 0' in. wc	1.08	1.09	1.10	1.09	1.09	1.09	1.09	1.09	
		PDI-813-2	<2.0 & > 0' in. wc	.31	.31	.31	.31	.31	.31	.31	.31	
		PDI-813-3	<2.0 & > 0' in. wc	.26	.28	.28	.28	.28	.28	.28	.28	
		PDI-813-4	<2.0 & > 0' in. wc	.32	.32	.32	.32	.32	.31	.31	.31	
		PDI-813-5	<2.0 & > 0' in. wc	.25	.27	.28	.28	.28	.25	.25	.25	
4.1.3.4	HIT exhaust filter plenum (FF-865) AP	PDI-865-1	<2.0 & > 0' in. wc	.04	.03	.03	.03	.03	.03	.03	.03	
		PDI-865-2	<2.0 & > 0' in. wc	.32	.31	.31	.31	.32	.32	.32	.31	
		PDI-865-3	<2.0 & > 0' in. wc	.38	.39	.39	.39	.39	.39	.39	.39	
4.1.3.4	HIT supply filter plenum (HVP-863) AP	PDI-863-1	<2.0 & > 0' in. wc	.05	.05	.05	.05	.05	.06	.06	.06	
		PDI-863-2	<2.0 & > 0' in. wc	.28	.28	.28	.28	.28	.25	.28	.29	

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 4 of 4)

SRs	Description	Gauge	Acceptance Criteria	Date: 4/6/2015						
				Weekday: Mon.						
				Initials: BF						
4.1.3.4	North Basement supply filter plenum (HVP-840) ΔP	'PDI-857-1	≤ 2.0 & > 0' in. wc	0.07	0.07	0.07	0.07	0.07	0.07	0.07
		PDI-857-2	≤ 2.0 & > 0' in. wc	0.50	0.50	0.50	0.50	0.50	0.50	0.50
		'PDI-856-1	≤ 2.0 & > 0' in. wc	0.07	0.07	0.07	0.07	0.07	0.07	0.07
		PDI-856-2	≤ 2.0 & > 0' in. wc	0.50	0.50	0.50	0.50	0.50	0.50	0.50
'NA	Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C		0 lb/ft ³ combustibles in designated exclusion area (within 15 feet of fans)	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2	Rooms 201, 204, 206, & 207		0 lb/ft ³ 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				0830	0910	0807	0830	0827	0750	0811
OC Operator Review and Page Count Complete (initials)				<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>

Non TSR requirement

Note: SR 4.1.3.4 applies during mode 1 and mode 2.

Completed by: *Paul Trivette* Date 4-12-15 Time 0811 Reviewed by: *[Signature]* Date: 4/12/15 Time: 0830

On-duty Supervisor

Comments:

ATTACHMENT C: Non-PF-4 Daily Surveillance Rounds [UET]

M&TE Calibrated Data						
Record September through April only	PF-10 Thermometer File No.:	039746	PF-10 Thermistor File No.:	042253	V-701 Thermistor File No.:	039744
	Calibration Expiration Date:	6-17-15	Calibration Expiration Date:	6-26-15	Calibration Expiration Date:	6-26-15
	PF-11 Thermometer File No.:	042252	PF-11 Thermistor File No.:	040373	V-704 Thermistor File No.:	040375
	Calibration Expiration Date:	6-17-15	Calibration Expiration Date:	6-26-15	Calibration Expiration Date:	6-26-15

PF-10 & PF-11 Pumphouse Room Temperature and V-701 & V-704 Fire Water Storage Tank Temperature														
SR	Description	Acceptance Criteria	Daily (September through April only)							Initials:				
			Date:	Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.			
			NA	ENSURE M&TE Calibration Data above is recorded and calibration dates have not elapsed.	Calibration dates have not elapsed.	4-6-15	4-7-15	4-8-15	4-9-15	4-10-15	4-11-15	4-12-15		
4.3.1.1'	RECORD fire water storage tank V-701 temperature	≥ 42.1 F	52.3	52.8	53	52.8	52.3	52.2	52.6					
4.3.1.1'	RECORD fire water storage tank V-704 temperature	≥ 42.1 F	54.3	55	55.2	55.0	54.6	54.5	55.0					
4.3.1.3'	RECORD PF-10 room temperature	≥ 50.1 F	63.1	62.3	62.2	61.2	60.9	61.9	62.7					
4.3.1.3'	RECORD PF-11 room temperature	≥ 50.1 F	64.2	63.9	65	64.1	65.0	61.9	63.0					
Completion Time:			0958	0952	0845	0834	0823	0836	0848					
OC Operator Review and Page Count Complete (initials)														

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: 4/14/15 Time: 0848

Reviewed by: Date: 4/14/15 Time: 0830

On-duty Supervisor

Comments:

(Page 1 of 3)

[illegible]

(Page 2 of 3)

[illegible]

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

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Note		Date:	4/13/15		4/14/15		4/15/15		4/16/15		4/17/15		4/18/15		4/19/15		
		Weekday:			Tue.		Wed.		Thu.		Fri.		Sat.		Sun.		
		Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	
Initials:		u		u		u		u		u		u		u		u	
4.1.1.4	Glovebox exhaust header AP's < laboratory AP's for basement AP's for areas 100, 200, 300 and 400	200 Area	PDI-814-2 PDI-803-2 PDI-804-2	Acceptance Criteria PDI-814-2 < PDI-803-2 < PDI-804-2	Sat. / Unsat. (circle one)												
					Sat. / Unsat. (circle one)												
					Sat. / Unsat. (circle one)												
					Sat. / Unsat. (circle one)												
	100 Area	PDI-820-2 PDI-802-2 PDI-804-2	Acceptance Criteria PDI-820-2 < PDI-802-2 < PDI-804-2	Sat. / Unsat. (circle one)													
				Sat. / Unsat. (circle one)													
				Sat. / Unsat. (circle one)													
				Sat. / Unsat. (circle one)													
	300 Area	PDI-870-2 PDI-853-2 PDI-854-2	Acceptance Criteria PDI-870-2 < PDI-853-2 < PDI-854-2	Sat. / Unsat. (circle one)													
				Sat. / Unsat. (circle one)													
				Sat. / Unsat. (circle one)													
				Sat. / Unsat. (circle one)													
	400 Area	PDI-864-2 PDI-852-2 PDI-854-2	Acceptance Criteria PDI-864-2 < PDI-852-2 < PDI-854-2	Sat. / Unsat. (circle one)													
				Sat. / Unsat. (circle one)													
				Sat. / Unsat. (circle one)													
				Sat. / Unsat. (circle one)													
		Completion Time		0740 1930 0748 1930 0744 1931 0724 1927 0735 1930 0728 1930													

Note: ¹ Mode 2 acceptance criteria is < 0.00 in. wcNote: ² SRs 4.1.2.x only apply during mode 2 in accordance with LCO 3.1.2.Completed by: AK Date: 4-19-15 Time: 1930 Reviewed by: RB Date: 4/21/15 Time: 0647

On-duty Supervisor

Comments:

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

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).

SR	Description / Gauge	Date: 4/13/15	4-14-15	4-15-15	4/16/2015	4-17-15	4-18-15	4-19/15
		Weekday: Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials: RH	PT	mm	BF	PT	mm	mm
		SURVEILLANCE RESULTS (percentage)						
4.4.1.1	Flammable Gas Channel Check DET-305-3 (LCD Reading)	NA	0.0	0.0	0.0	0.0	0.0	0.0
	CP-305-H (LED Reading)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	(DET-305-3) - (CP-305H) (LCD Reading) (LED Reading)	Record Calculated Value ≥ -0.1; ≤ +0.1	0.0	0.0	0.0	0.0	0.0	0.0
Completion Time:		0820	0842	0150	0752	0711	0813	0825

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side)[UET]

(Page 2 of 4)

SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
				Date:	4-13-15	4-14-15	4-15-15	4-16-15	4-17-15	4-18-15
				Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
			Initials:		PT	PT	mm	BF	PT	mm
4.1.3.4	South basement supply filter plenum (HVP-841) AP	PDI-894-1	≤ 2.0 & $> 0'$ in. wc	-07	.07	.07	.07	.07	.07	.07
		PDI-894-2	≤ 2.0 & $> 0'$ in. wc	-55	.53	.53	.52	.52	.52	.52
		PDI-895-1	≤ 2.0 & $> 0'$ in. wc	.09	.09	.09	.09	.09	.09	.09
		PDI-895-2	≤ 2.0 & $> 0'$ in. wc	.61	.61	.61	.62	.62	.62	.59
4.1.3.4	300 area glovebox exhaust filter plenum (FF854) AP	PDI-817-1	≤ 2.0 & $> 0'$ in. wc	.32	.32	.32	.32	.32	.32	.32
		PDI-817-2	≤ 2.0 & $> 0'$ in. wc	.33	.33	.33	.35	.33	.35	.35
		PDI-817-4	≤ 2.0 & $> 0'$ in. wc	.35	.35	.35	.35	.37	.35	.38
		PDI-817-5	≤ 2.0 & $> 0'$ in. wc	.31	.31	.31	.32	.34	.32	.32
4.1.3.4	300 area special recovery glovebox exhaust filter plenum (FF858) AP	PDI-819-1	≤ 2.0 & $> 0'$ in. wc	.41	.41	.41	.41	.41	.41	.41
		PDI-819-3	≤ 2.0 & $> 0'$ in. wc	.41	.41	.41	.41	.43	.41	.42
		PDI-819-4	≤ 2.0 & $> 0'$ in. wc	.32	.32	.32	.35	.37	.35	.35
		PDI-818-1	≤ 2.0 & $> 0'$ in. wc	.32	.32	.32	.35	.37	.35	.35
4.1.3.4	300 area glovebox exhaust filter plenum (FF855) AP	PDI-818-2	≤ 2.0 & $> 0'$ in. wc	.32	.32	.32	.35	.37	.35	.35
		PDI-818-4	≤ 2.0 & $> 0'$ in. wc	.32	.32	.32	.35	.37	.35	.35
		PDI-818-5	≤ 2.0 & $> 0'$ in. wc	.32	.32	.32	.35	.37	.35	.35
		PDI-821-1	≤ 2.0 & $> 0'$ in. wc	.32	.32	.32	.35	.37	.35	.35
4.1.3.4	300 area special recovery glovebox exhaust filter plenum (FF859) AP	PDI-821-3	≤ 2.0 & $> 0'$ in. wc	.32	.32	.32	.35	.37	.35	.35
		PDI-821-4	≤ 2.0 & $> 0'$ in. wc	.32	.32	.32	.35	.37	.35	.35
		PDI-821-5	≤ 2.0 & $> 0'$ in. wc	.32	.32	.32	.35	.37	.35	.35
		PDI-821-6	≤ 2.0 & $> 0'$ in. wc	.32	.32	.32	.35	.37	.35	.35

(Page 3 of 4)

[illegible]

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 4 of 4)

SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)									
				Date:	4-13-15	4-14-15	4-15-15	4-16-2015	4-17-15	4-18-15	4-19-15		
				Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.		
			Initials:	PT	PT	nm	BF		PT				
4.1.1.7	400 area re-circulation filter plenum (HVP-807) AP	PDI-838-1	≤2.0 & > 0' in. wc	.47	.48	.47	.47	.47	.47	.46	.43		
		PDI-838-2	≤2.0 & > 0' in. wc	.57	.57	.57	.56	.56	.52	.52			
		PDI-838-3	≤2.0 & > 0' in. wc	.50	.50	.50	.51	.50	.50	.50			
	400 area re-circulation filter plenum (HVP-808) AP	PDI-839-1	≤2.0 & > 0' in. wc	.43	.43	.43	.43	.43	.42	.42			
		PDI-839-2	≤2.0 & > 0' in. wc	.58	.58	.56	.58	.58	.58	.58			
		PDI-839-3	≤2.0 & > 0' in. wc	.51	.51	.52	.52	.52	.51	.51			
4.1.3.4	South Bleed off filter plenum (FF-822A) AP	PDI-810-1	≤2.0 & > 0' in. wc	.15	.15	.13	.13	.17	.15	.14			
		PDI-810-2	≤2.0 & > 0' in. wc	.45	.45	.45	.49	.49	.45	.45			
		PDI-810-3	≤2.0 & > 0' in. wc	.42	.42	.42	.49	.44	.43	.44			
4.1.3.4	South Bleed off filter plenum (FF-822B) AP	PDI-811-1	≤2.0 & > 0' in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF			
		PDI-811-2	≤2.0 & > 0' in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF			
		PDI-811-3	≤2.0 & > 0' in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF			
			Completion Time	0642	0856	0812	0820	0708	0836	0857			
OC Operator Review and Page Count Complete (initials)				W a	W a	W a	W a	W a	W a	W a			

Non TSR requirement:

Note: SR 4.1.1.7 applies during mode 1 as stated in LCO 3.1.1. SRs 4.1.3.X apply during mode 1 and mode 2 as stated in LCO 3.1.3.

Completed by: Michael Trish Date: 4/13/15 Time: 0657 Reviewed by: BBQ Date: 4/13/15 Time: 0648

On-duty Supervisor

Comments

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side)[UET]

(Page 1 of 4)

SRs	Description	Gauge	Acceptance Criteria	Date: 4/13/15 4/14/2015 4/15/2015 4-16-15 4-17-15 4-18/15 4-19/15						
				Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
				Initials:	Weekday:	Initials:	Weekday:	Initials:	Weekday:	Initials:
4.1.1.7	Vault re-circulation filter plenum (IIVP-811) ΔP	PDI-840-1	≤2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-840-2	≤2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-840-3	≤2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
	Vault re-circulation filter plenum (IIVP-812) ΔP	PDI-841-1	≤2.0 & > 0' in. wc	.44	.44	.44	.44	.45	.44	.44
		PDI-841-2	≤2.0 & > 0' in. wc	.57	.57	.57	.58	.59	.58	.58
		PDI-841-3	≤2.0 & > 0' in. wc	.50	.50	.50	.50	.50	.50	.50
	200 area re-circulation filter plenum (IIVP-801) ΔP	PDI-831-1	≤2.0 & > 0' in. wc	.33	.33	.33	.33	.32	.32	.32
		PDI-831-2	≤2.0 & > 0' in. wc	.40	.40	.40	.40	.40	.40	.40
		PDI-831-3	≤2.0 & > 0' in. wc	.32	.32	.32	.32	.32	.32	.32
4.1.3.4	200 area re-circulation filter plenum (IIVP-802) ΔP	PDI-832-1	≤2.0 & > 0' in. wc	.32	.32	.32	.32	.32	.32	.32
		PDI-832-2	≤2.0 & > 0' in. wc	.60	.60	.60	.60	.60	.60	.60
		PDI-832-3	≤2.0 & > 0' in. wc	.55	.56	.56	.56	.56	.55	.55
	North Bleed off filter plenum (FF-820A) ΔP	PDI-807-1	≤2.0 & > 0' in. wc	.12	.12	.12	.12	.12	.11	.11
		PDI-807-2	≤2.0 & > 0' in. wc	.50	.50	.50	.50	.50	.50	.50
		PDI-807-3	≤2.0 & > 0' in. wc	.49	.49	.49	.49	.49	.49	.49
	North Bleed off filter plenum (FF-820B) ΔP	PDI-809-1	≤2.0 & > 0' in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		PDI-809-2	≤2.0 & > 0' in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		PDI-809-3	≤2.0 & > 0' in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 2 of 4)

SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
				Date:						
				Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BF	BF	BF	PT	PT	PT	PT
4.1.3.4	North Basement exhaust filter plenum (FF-828) AP	PDI-829-1	≤ 2.0 & $> 0^1$ in. wc	.15	.15	.15	.15	.15	.15	.15
		PDI-829-2	≤ 2.0 & $> 0^1$ in. wc	.39	.39	.39	.39	.39	.39	.39
		PDI-829-3	≤ 2.0 & $> 0^1$ in. wc	.30	.30	.30	.30	.30	.30	.30
		PDI-833-1	≤ 2.0 & $> 0^1$ in. wc	> 1.0	> 1.0	> 1.0	> 1.0	> 1.0	> 1.0	> 1.0
		PDI-833-2	≤ 2.0 & $> 0^1$ in. wc	.46	.46	.47	.47	.47	.46	.46
4.1.1.7	100 area re-circulation filter plenum (HVP-803) AP	PDI-833-3	≤ 2.0 & $> 0^1$ in. wc	.45	.45	.46	.45	.45	.45	.45
		PDI-835-1	≤ 2.0 & $> 0^1$ in. wc	.16	.16	.16	.16	.16	.15	.16
		PDI-835-2	≤ 2.0 & $> 0^1$ in. wc	.45	.45	.45	.45	.45	.44	.45
		PDI-835-3	≤ 2.0 & $> 0^1$ in. wc	.40	.40	.40	.41	.41	.40	.40
		PDI-815-1	≤ 2.0 & $> 0^1$ in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4	100 area glovebox exhaust filter plenum (FF852) AP	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
		PDI-816-1	≤ 2.0 & $> 0^1$ in. wc	.39	.40	.40	.38	.39	.39	.39
		PDI-816-2	≤ 2.0 & $> 0^1$ in. wc	.45	.46	.46	.46	.46	.48	.47
4.1.3.4	100 area glovebox exhaust filter plenum (FF853) AP	PDI-816-4	≤ 2.0 & $> 0^1$ in. wc	.45	.46	.47	.45	.45	.45	.45
		PDI-816-5	≤ 2.0 & $> 0^1$ in. wc	.47	.48	.48	.48	.48	.48	.47

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[illegible]

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 4 of 4)

SRs	Description	Gauge	Acceptance Criteria	Initials:	SURVEILLANCE RESULTS						
					Date:	4/13/15	4/14/2015	4/15/2015	4-16-15	4-17-15	4-18/15
					Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
4.1.3.4	North Basement supply filter plenum (IIVP-840) ΔP	PDI-857-1	≤ 2.0 & > 0' in. wc	24			BF	BF	PT	PT	Sat.
4.1.3.4	North corridor supply filter plenum (IIVP-809) ΔP	PDI-857-2	≤ 2.0 & > 0' in. wc								Sun.
4.1.3.4	North corridor supply filter plenum (IIVP-809) ΔP	PDI-856-1	≤ 2.0 & > 0' in. wc								
4.1.3.4	North corridor supply filter plenum (IIVP-809) ΔP	PDI-856-2	≤ 2.0 & > 0' in. wc								
4.3.2.2	Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C		0 lb/ft ² combustibles in designated exclusion area (within 15 feet of fans)								
4.3.2.2	Rooms 201, 204, 206, & 207		0 lb/ft ² 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								
OC Operator Review and Page Count Complete (initials)					Completion time	0903	0912	0812	0815	0718	0849
Non TSR requirement						W	W	W	W	W	W

Note: SR 4.1.3.4 applies during mode 1 and mode 2.

Completed by: Michael Silva Date 04/14/15 Time 0841 Reviewed by: RRB Date: 4/21/15 Time: 0645

On-duty Supervisor

Comments:

ATTACHMENT C: Non-PF-4 Daily Surveillance Rounds [UET]

M&TE Calibrated Data					
Record September through April only	PF-10 Thermometer File No.:	039746	PF-10 Thermistor File No.:	042253	V-701 Thermistor File No.:
	Calibration Expiration Date:	6/12/15	Calibration Expiration Date:	6/26/15	Calibration Expiration Date:
	PF-11 Thermometer File No.:	042252	PF-11 Thermistor File No.:	040323	V-704 Thermistor File No.:
	Calibration Expiration Date:	6/12/15	Calibration Expiration Date:	6/26/15	Calibration Expiration Date:

PF-10 & PF-11 Pumphouse Room Temperature and V-701 & V-704 Fire Water Storage Tank Temperature												
Daily (September through April only)												
SR	Description	Date:		4/13/15	4/14/15	4/15/15	4/16/15	4/17/15	4/18/15	4/19/15	4/20/15	4/21/15
		Weekday:		Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.		
NA	ENSURE M&TE Calibration Data above is recorded and calibration dates have not elapsed.	Initials:		gm	Th	gm	gm	gm	gm	gm	gm	gm
		Acceptance Criteria										
4.3.1.1'	RECORD fire water storage tank V-701 temperature	Calibration dates have not elapsed.		SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT
4.3.1.1'	RECORD fire water storage tank V-704 temperature	≥ 42.1 F		53.0	53.2	53.5	52.9	52.0	50.8	50.3	50.3	50.3
4.3.1.3'	RECORD PF-10 room temperature	≥ 42.1 F		55.4	55.3	55.6	55.0	54.0	52.8	52.3	52.3	52.3
4.3.1.3'	RECORD PF-11 room temperature	≥ 50.1 F		64.4	62.0	63.2	61.1	60.5	60.4	61.2	61.2	61.2
4.3.1.3'	RECORD PF-11 room temperature	≥ 50.1 F		62.2	64.4	65.5	65.9	64.6	62.1	62.9	62.9	62.9
Completion Time:				0900	0902	1040	0830	0721	0720	0900	0900	0900
OC Operator Review and Page Count Complete (initials)				W W	W W	W W	W W	W W	W W	W W	W W	W W

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: 4/19/15 Time: 0815Reviewed by: [Signature] Date: 4/21/15 Time: 0849

On-duty Supervisor

Comments:

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

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Note Gauge readings should be taken on rack #4 in the OC, whenever possible. Document if alternate PDI's are used.	Date:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.			
	Weekday:	AM		PM		AM		PM		AM		PM		AM		PM	
		Shift:	PM	AM	PM	AM	PM	AM	PM	AM	PM	PM	AM	PM	AM	PM	
			Initials:	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	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 AP	PDI-814-1 or PDI-814-2	≤1.0 in. wc	2.11	2.08	2.10	2.12	2.10	2.11	2.10	2.12	2.11	2.10	2.11	2.11		
	100 area glovebox exhaust header AP	PDI-820-1 or PDI-820-2	≤1.0 in. wc	1.91	1.91	1.92	1.91	1.92	1.92	1.91	1.91	1.92	1.91	1.92	1.91		
	300 area glovebox exhaust header AP	PDI-870-1 or PDI-870-2	≤1.0 in. wc	1.98	1.98	1.99	1.97	1.97	1.97	1.97	1.97	1.97	1.98	1.98	1.97		
	400 area glovebox exhaust header AP	PDI-864-1 or PDI-864-2	≤1.0 in. wc	1.94	1.97	1.96	1.97	1.96	1.96	1.96	1.97	1.97	1.97	1.97	1.97		
4.1.1.2 4.1.1.5 4.1.2.2 ²	200 area laboratory header AP	PDI-803-1 or PDI-803-2	≤0.05 in. wc	0.30	0.19	0.19	0.19	0.20	0.19	0.20	0.17	0.19	0.19	0.18	0.19		
	100 area laboratory header AP	PDI-802-1 or PDI-802-2	≤0.05 in. wc	0.33	0.22	0.21	0.21	0.20	0.21	0.20	0.21	0.21	0.21	0.21	0.21		
	300 area laboratory header AP	PDI-853-1 or PDI-853-2	≤0.05 in. wc	0.19	0.20	0.19	0.20	0.19	0.20	0.19	0.21	0.21	0.20	0.19	0.19		
	400 area laboratory header AP	PDI-852-1 or PDI-852-2	≤0.05 in. wc	0.20	0.21	0.20	0.21	0.20	0.21	0.21	0.22	0.21	0.21	0.20	0.20		
4.1.1.3 4.1.2.3 ²	IFT Facility AP	PDI-865-4 or PDI-865-5	≤0.05 in. wc	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19		
	North basement AP	PDI-804-1 or PDI-804-2	<0.00 in. wc	0.09	0.10	0.09	0.11	0.10	0.10	0.09	0.09	0.10	0.09	0.10	0.09		
	South basement AP	PDI-854-1 or PDI-854-2	<0.00 in. wc	0.09	0.09	0.09	0.10	0.09	0.09	0.10	0.09	0.09	0.09	0.09	0.08		
	IRT Tunnel AP	PDI-901 or PDI-901	<0.00 in. wc	0.09	0.07	0.09	0.10	0.09	0.09	0.10	0.10	0.09	0.09	0.09	0.09		

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

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Note		Date:	4/20/15		4/21/15		4/22/15		4/23/15		4/24/15		4/25/15		4/26/15		
		Weekday:	Mon.		Tue		Wed		Thu		Fri.		Sat.		Sun.		
		Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	
		Initials:	[Signature]		[Signature]		[Signature]		[Signature]		[Signature]		[Signature]		[Signature]		
SRs	Description	Area	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS												
4.1.1.4	Glovebox exhaust header AP's < laboratory AP's < basement AP's 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	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	
		100 Area	PDI-820-2 PDI-802-2 PDI-804-2	PDI-820-2 < PDI-802-2 < PDI-804-2	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat
		300 Area	PDI-870-2 PDI-853-2 PDI-854-2	PDI-870-2 < PDI-853-2 < PDI-854-2	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat
		400 Area	PDI-864-2 PDI-852-2 PDI-854-2	PDI-864-2 < PDI-852-2 < PDI-854-2	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat
		Completion Time		0730 1931		0721 1928		0715 1930		0715 1930		0721 1927		0715 1915		0718 1913	

Note: ¹ Mode 2 acceptance criteria is < 0.00 in. wcNote: ² SRs 4.1.2.x only apply during mode 2 in accordance with LCO 3.1.2.

Completed by: [Signature] Date: 4/26/15 Time 1923

Reviewed by: [Signature] Date: 4/27/15 Time: 1200

On-duty Supervisor

Comments:

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

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).

SR	Description / Gauge	Date:	4/20/15	4/21/2015	4-22-15	4/23/2015	4/24/2015	4/25/15	4/26/15
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	GH	BF	PT	BF	BF	GH	GH
		SURVEILLANCE RESULTS (percentage)							
4.4.1.1	Flammable Gas Channel Check	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	DET-305-3 (LCD Reading)		0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CP-305-H (LED Reading)		0.0	0.0	0.0	0.0	0.0	0.0	0.0
	(DET-305-3) - (CP-305H) (LCD Reading) (LED Reading)	Record Calculated Value	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		≥ -0.1 ; $\leq +0.1$	Sat / Unsat.	Sat / Unsat.	Sat / Unsat.	Sat / Unsat.	Sat / Unsat.	Sat / Unsat.	Sat / Unsat.
		Completion Time:	0922	0750	0832	0758	0702	0800	0720

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SRs	Description	Gauge	Acceptance Criteria	Date:	4/20/15	4/21/2015	4/22-15	4/23/2015	4/24/2015	4/25/15	4/26/15
				Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	
				Initials:	BT	BT	PT	BT	BT	BT	
				SURVEILLANCE RESULTS (in. wc)							
4.1.3.4	South basement supply filter plenum (IIVP-841) AP	'PDI-894-1	≤2.0 & > 0' in. wc	.09	.09	.08	.09	.08	.07	.07	
		PDI-894-2	≤2.0 & > 0' in. wc	.56	.57	.58	.58	.56	.55	.55	
		'PDI-895-1	≤2.0 & > 0' in. wc	.09	.09	.09	.09	.09	.09	.09	
		PDI-895-2	≤2.0 & > 0' in. wc	.60	.57	.58	.57	.54	.58	.58	
4.1.3.4	300 area glovebox exhaust filter plenum (FF854) AP	'PDI-817-1	≤2.0 & > 0' in. wc	.32	STBY	STBY	STBY	STBY	STBY	STBY	
		PDI-817-2	≤2.0 & > 0' in. wc	.36	STBY	STBY	STBY	STBY	STBY	STBY	
		PDI-817-4	≤2.0 & > 0' in. wc	.37	STBY	STBY	STBY	STBY	STBY	STBY	
		PDI-817-5	≤2.0 & > 0' in. wc	.32	STBY	STBY	STBY	STBY	STBY	STBY	
4.1.3.4	300 area special recovery glovebox exhaust filter plenum (FF858) AP	PDI-81 9-1	≤2.0 & > 0' in. wc	.41	STBY	STBY	STBY	STBY	STBY	STBY	
		PDI-81 9-3	≤2.0 & > 0' in. wc	.41	STBY	STBY	STBY	STBY	STBY	STBY	
		PDI-819-4	≤2.0 & > 0' in. wc	.35	STBY	STBY	STBY	STBY	STBY	STBY	
		'PDI-818-1	≤2.0 & > 0' in. wc	STBY	.28	.28	.28	.28	.28	.28	
4.1.3.4	300 area glovebox exhaust filter plenum (FF855) AP	PDI-818-2	≤2.0 & > 0' in. wc	STBY	.33	.32	.33	.33	.34	.34	
		PDI-818-4	≤2.0 & > 0' in. wc	STBY	.32	.32	.31	.32	.33	.33	
		PDI-818-5	≤2.0 & > 0' in. wc	STBY	.30	.30	.30	.30	.30	.30	
		PDI-821-1	≤2.0 & > 0' in. wc	STBY	.40	.40	.40	.40	.40	.40	
4.1.3.4	300 area special recovery glovebox exhaust filter plenum (FF859) AP	PDI-821-3	≤2.0 & > 0' in. wc	STBY	.43	.43	.42	.45	.45	.45	
		PDI-821-4	≤2.0 & > 0' in. wc	STBY	.39	.39	.39	.40	.40	.39	

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

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SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)									
				Date:	4/20/15	4/21/2015	4-22-15	4/23/2015	4/24/2015	4/25/15	4/26/15		
				Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.		
				Initials:	PA	BF	PT	BF	BF				
4.1.3.4	400 area glovebox exhaust filter plenum (FF856) AP	PDI-822-1	≤2.0 & > 0' in. wc	STBY	.74	.74	.75	.74	.75	.74	.74		
		PDI-822-2	≤2.0 & > 0' in. wc	STBY	.51	.51	.50	.51	.50	.50	.50		
		PDI-822-4	≤2.0 & > 0' in. wc	STBY	.41	.41	.41	.41	.42	.42	.42		
		PDI-822-5	≤2.0 & > 0' in. wc	STBY	.47	.47	.47	.47	.45	.45	.45		
		PDI-823-1	≤2.0 & > 0' in. wc	.09	STBY	STBY	STBY	STBY	STBY	STBY	STBY		
4.1.3.4	400 area glovebox exhaust filter plenum (FF857) AP	PDI-823-2	≤2.0 & > 0' in. wc	.42	STBY	STBY	STBY	STBY	STBY	STBY	STBY		
		PDI-823-4	≤2.0 & > 0' in. wc	.46	STBY	STBY	STBY	STBY	STBY	STBY	STBY		
		PDI-823-5	≤2.0 & > 0' in. wc	.49	STBY	STBY	STBY	STBY	STBY	STBY	STBY		
4.1.3.4	South Basement exhaust filter plenum (FF-829) AP	PDI-830-1	≤2.0 & > 0' in. wc	.69	.69	.69	.69	.69	.67	.68	.68		
		PDI-830-2	≤2.0 & > 0' in. wc	.30	.30	.30	.30	.30	.30	.30	.30		
		PDI-830-3	≤2.0 & > 0' in. wc	.29	.29	.29	.29	.28	.28	.28	.28		
4.1.1.7	300 area re-circulation filter plenum (HVP-805) AP	PDI-836-1	≤2.0 & > 0' in. wc	.97	.97	.97	.97	.97	.96	.97	.97		
		PDI-836-2	≤2.0 & > 0' in. wc	.57	.57	.58	.58	.58	.56	.56	.56		
		PDI-836-3	≤2.0 & > 0' in. wc	.52	.52	.52	.52	.52	.53	.53	.53		
	300 area re-circulation filter plenum (HVP-806) AP	PDI-837-1	≤2.0 & > 0' in. wc	.50	.50	.50	.50	.50	.50	.50	.50		
		PDI-837-2	≤2.0 & > 0' in. wc	.40	.41	.41	.41	.41	.41	.41	.41		
		PDI-837-3	≤2.0 & > 0' in. wc	.39	.40	.40	.39	.40	.39	.39	.39		

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

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SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)													
				Date: 4/22/15		4/21/2015		4-22-15		4/23/2015		4/24/2015		4/25/15		4/26/15	
				Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.						
				Initials:	BT	BF	PT	BF	BF								
4.1.1.7	400 area re-circulation filter plenum (IIVP-807) AP	'PDI-838-1	≤2.0 & > 0' in. wc	.48	.48	.47	.48	.47	.48	.47	.48	.47	.48	.47	.48		
		PDI-838-2	≤2.0 & > 0' in. wc	.51	.51	.51	.51	.51	.51	.51	.51	.51	.51	.51	.51		
		PDI-838-3	≤2.0 & > 0' in. wc	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50		
	400 area re-circulation filter plenum (IIVP-808) AP	'PDI-839-1	≤2.0 & > 0' in. wc	.44	.44	.44	.44	.44	.44	.44	.44	.44	.44	.44	.44		
		PDI-839-2	≤2.0 & > 0' in. wc	.60	.60	.59	.59	.59	.59	.59	.59	.59	.59	.59	.59		
		PDI-839-3	≤2.0 & > 0' in. wc	.53	.55	.55	.55	.54	.55	.54	.55	.54	.55	.54	.55		
4.1.3.4	South Bleed off filter plenum (FF-822A) AP	'PDI-810-1	≤2.0 & > 0' in. wc	.14	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF		
		PDI-810-2	≤2.0 & > 0' in. wc	.45	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF		
		PDI-810-3	≤2.0 & > 0' in. wc	.42	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF		
4.1.3.4	South Bleed off filter plenum (FF-822B) AP	'PDI-811-1	≤2.0 & > 0' in. wc	DEF	.11	.11	.11	.11	.11	.10	.11	.11	.11	.11	.11		
		PDI-811-2	≤2.0 & > 0' in. wc	OFF	.49	.46	.46	.48	.47	.47	.47	.47	.47	.47	.47	.47	
		PDI-811-3	≤2.0 & > 0' in. wc	OFF	.48	.47	.47	.49	.49	.46	.47	.47	.47	.47	.47	.47	
			Completion Time	0922	0853	0825	0821	0825	0821	0752	0733	0732	0732	0732			
OC Operator Review and Page Count Complete (initials)																	

'Non TSR requirement:

Note: SR 4.1.1.7 applies during mode 1 as stated in LCO 3.1.1. SRs 4.1.3.X apply during mode 1 and mode 2 as stated in LCO 3.1.3.

Completed by: *[Signature]* Date: *4/26/15* Time: *1700*

On-duty Supervisor

Comments

(Page 1 of 4)

[illegible]

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[illegible]

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 3 of 4)

SRs	Description	Gauge	Acceptance Criteria	Initials:	Date:							Weekday:							SURVEILLANCE RESULTS (in. wc)																																																																																										
					4/20/15							4/21/2015							4-22-15							4/23/2015							4/24/2015							4/25/15							4/26/15																																																														
					Mon.							Tue.							Wed.							Thu.							Fri.							Sat.							Sun.																																																														
					RA							BF							PT							OP							BF							JN							JN																																																														
					PDI-812-1							PDI-812-2							PDI-812-3							PDI-812-4							PDI-812-5							PDI-813-1							PDI-813-2							PDI-813-3							PDI-813-4							PDI-813-5							PDI-865-1							PDI-865-2							PDI-865-3							PDI-863-1							PDI-863-2						
4.1.3.4	200 area glovebox exhaust filter plenum (FF850) ΔP	STBY							.15							.15							.15							.15							.15							.15							.15							.15							.15																																												
		STBY							.37							.35							.36							.36							.36							.36							.36							.36							.36																																												
		STBY							.38							.37							.37							.37							.37							.37							.37							.37							.37																																												
		STBY							.36							.36							.36							.36							.36							.36							.36							.36							.36																																												
		STBY							.31							.30							.31							.31							.31							.31							.31							.31																																																			
4.1.3.4	200 area glovebox exhaust filter plenum (FF851) ΔP	1.06							STBY							STBY							STBY							STBY							STBY							STBY							STBY							STBY							STBY																																												
		.30							STBY							STBY							STBY							STBY							STBY							STBY							STBY							STBY							STBY																																												
		.31							STBY							STBY							STBY							STBY							STBY							STBY							STBY							STBY							STBY																																												
		.31							STBY							STBY							STBY							STBY							STBY							STBY							STBY							STBY							STBY																																												
		.30							STBY							STBY							STBY							STBY							STBY							STBY							STBY							STBY							STBY																																												
4.1.3.4	IFTT exhaust filter plenum (FF-865) ΔP	.03							.04							.03							.04							.04							.04							.04							.04							.04																																																			
		.31							.33							.32							.33							.33							.33							.33							.33							.33																																																			
		.40							.40							.39							.40							.41							.41							.41							.41																																																										
		.05							.05							.05							.05							.05							.05							.05							.05																																																										
		.25							.25							.25							.26							.26							.26							.26							.26																																																										
4.1.3.4	IFTT supply filter plenum (IIVP-863) ΔP	.05							.05							.05							.05							.05							.05							.05							.05																																																										
		.25							.25							.25							.26							.26							.26							.26							.26																																																										

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

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SRs	Description	Gauge	Acceptance Criteria	Initials:	4/20/15	4/21/15	4/22/15	4/23/15	4/24/15	4/25/15	4/26/15
					Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
4.1.3.4	North Basement supply filter plenum (HVP-840) AP	PDI-857-1	≤ 2.0 & $> 0'$ in. wc	BF				BF	BP		
4.1.3.4	North corridor supply filter plenum (HVP-809) AP	PDI-857-2	≤ 2.0 & $> 0'$ in. wc								
4.1.3.4	North corridor supply filter plenum (HVP-809) AP	PDI-856-1	≤ 2.0 & $> 0'$ in. wc								
4.1.3.4	North corridor supply filter plenum (HVP-809) AP	PDI-856-2	≤ 2.0 & $> 0'$ in. wc								
4.3.2.2	Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C		0 lb/ft ² combustibles in designated exclusion area (within 15 feet of fans)								
4.3.2.2	Rooms 201, 204, 206, & 207		0 lb/ft ² 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								
OC Operator Review and Page Count Complete (initials)					0923	0840	0835	0821	0803	0802	0710

Non TSR requirement

Note: SR 4.1.3.4 applies during mode 1 and mode 2.

Completed by: James H. Date 4/26/15 Time 0710 Reviewed by: [Signature] Date: 4/27/15 Time: 1200

On-duty Supervisor

Comments: ITEM 4.3.2.2 IS UNSAT DUE TO 12 GLOVE EXPANDERS WERE PLACED IN THE COMBUSTIBLE EXCLUSION AREA IN ROOM

201. OPS CENTER WAS NOTIFIED ACTION STATEMENTS WERE ENTERED. WORKERS WERE NOTIFIED AND GLOVE EXPANDERS WERE
MOVED OUT OF THE EXCLUSION AREA. OPERATIONS CENTER WAS NOTIFIED ABOUT THE CORRECTION COMBUSTIBLE AREA
ALONG MEETS REQUIREMENTS.

ATTACHMENT C: Non-PF-4 Daily Surveillance Rounds [UET]

M&TE Calibrated Data					
Record September through April only	PF-10 Thermometer File No.:	039746	PF-10 Thermistor File No.:	042253	V-701 Thermistor File No.:
	Calibration Expiration Date:	6/17/15	Calibration Expiration Date:	6/26/15	Calibration Expiration Date:
	PF-11 Thermometer File No.:	042252	PF-11 Thermistor File No.:	040373	V-704 Thermistor File No.:
	Calibration Expiration Date:	6/17/15	Calibration Expiration Date:	6/26/15	Calibration Expiration Date:

PF-10 & PF-11 Pumphouse Room Temperature and V-701 & V-704 Fire Water Storage Tank Temperature												
Daily (September through April only)			Date:	4/20/15	4/21/15	4/22/15	4/23/15	4/24-15	4/25/15	4/26/15		
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.		
			Initials:	gn	gn	gn	gn	gn	as	gn	gn	
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	SAT/UNSAT	SAT/UNSAT	SAT/UNSAT
4.3.1.1'	RECORD fire water storage tank V-701 temperature	≥ 42.1 F	49.8	50.1	50.7	50.7	51.2	50.9	51.0	51.0		
4.3.1.1'	RECORD fire water storage tank V-704 temperature	≥ 42.1 F	51.9	52.1	52.9	53.0	53.3	53.1	53.1	53.1		
4.3.1.3'	RECORD PF-10 room temperature	≥ 50.1 F	61.5	61.4	62.4	61.8	62.1	63.8	61.7	61.7		
4.3.1.3'	RECORD PF-11 room temperature	≥ 50.1 F	64.8	65.0	63.1	62.1	63.7	63.1	62.9	62.9		
Completion Time:			0850	0756	0750	0835	1027	0820	0835	0835		
OC Operator Review and Page Count Complete (initials)			gn	gn	gn	gn	gn	gn	gn	gn		

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: 4/26/15 Time: 0835

Reviewed by: [Signature] Date: 4/27/15 Time: 1200

On-duty Supervisor

Comments:

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[illegible]

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

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Note		Date:	4/29/15		4/29/15		4/30/15											
		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		K		P		P									
SRs	Description	Area	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS													
4.1.1.4	Glovebox exhaust header AP's < laboratory AP's < basement AP's 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	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat
		100 Area	PDI-820-2 PDI-802-2 PDI-804-2	PDI-820-2 < PDI-802-2 < PDI-804-2	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat
		300 Area	PDI-870-2 PDI-853-2 PDI-854-2	PDI-870-2 < PDI-853-2 < PDI-854-2	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat
		400 Area	PDI-864-2 PDI-852-2 PDI-854-2	PDI-864-2 < PDI-852-2 < PDI-854-2	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat
		Completion Time		0745	1930	0742	1930	0725	1910	0730	1928							

Note: ¹ Mode 2 acceptance criteria is < 0.00 in. wcNote: ² SRs 4.1.2.x only apply during mode 2 in accordance with LCO 3.1.2.Completed by: [Signature] Date: 4/30/15 Time: 1928 Reviewed by: RSB.Q Date: 5/1/15 Time: 0835

On-duty Supervisor

Comments:

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

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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:	4-27-15	4-28-15	4/29/2015	4-30-15		
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
		Initials:	PT	PT	BF	PT		
SR 4.4.1.1	Description / Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (percentage)					
	Flammable Gas Channel Check	NA	0.0	0.0	0.0	0.0		
	DET-305-3 (LCD Reading)		0.0	0.0	0.0	0.0		
	CP-305-H (LED Reading)		0.0	0.0	0.0	0.0		
	(DET-305-3) - (CP-305H)	Record Calculated Value	0.0	0.0	0.0	0.0		
	(LCD Reading) (LED Reading)	≥ -0.1 ; $\leq +0.1$	(Sat) / Unsat.	(Sat) / Unsat.	(Sat) / Unsat.	(Sat) / Unsat.	Sat. / Unsat.	Sat. / Unsat.
	Completion Time:		0814	0810	0750	0819		

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side)[UET]

(Page 2 of 4)

SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)												
				Date:												
				Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.					
Initials:				PT	PT	0F	PT	PT								
				4-27-15	4-28-15	4-29-15	4-30-15									

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

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			Date:	4-27-15	4-28-15	4/29/2015	4-30-15			
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	PT	PT	BF	PT			
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4	400 area glovebox exhaust filter plenum (FF856) AP	PDI-822-1	≤2.0 & > 0' in. wc	.75	.75	.75	.76			
		PDI-822-2	≤2.0 & > 0' in. wc	.50	.50	.51	.50			
		PDI-822-4	≤2.0 & > 0' in. wc	.41	.41	.41	.41			
		PDI-822-5	≤2.0 & > 0' in. wc	.42	.45	.45	.45			
4.1.3.4	400 area glovebox exhaust filter plenum (FF857) AP	PDI-823-1	≤2.0 & > 0' in. wc	STBY	STBY	STBY	STBY			
		PDI-823-2	≤2.0 & > 0' in. wc	STBY	STBY	STBY	STBY			
		PDI-823-4	≤2.0 & > 0' in. wc	STBY	STBY	STBY	STBY			
		PDI-823-5	≤2.0 & > 0' in. wc	STBY	STBY	STBY	STBY			
4.1.3.4	South Basement exhaust filter plenum (FF-829) AP	PDI-830-1	≤2.0 & > 0' in. wc	.69	.69	.68	.68			
		PDI-830-2	≤2.0 & > 0' in. wc	.30	.30	.30	.30			
		PDI-830-3	≤2.0 & > 0' in. wc	.28	.29	.29	.29			
4.1.1.7	300 area re-circulation filter plenum (HVP-805) AP	PDI-836-1	≤2.0 & > 0' in. wc	.97	.97	.97	.97			
		PDI-836-2	≤2.0 & > 0' in. wc	.58	.58	.58	.58			
		PDI-836-3	≤2.0 & > 0' in. wc	.52	.52	.54	.53			
		PDI-837-1	≤2.0 & > 0' in. wc	.50	.51	.51	.50			
	300 area re-circulation filter plenum (HVP-806) AP	PDI-837-2	≤2.0 & > 0' in. wc	.41	.41	.42	.41			
		PDI-837-3	≤2.0 & > 0' in. wc	.39	.40	.39	.39			

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 4 of 4)

				Date:	4-27-15	4-28-15	4/29/2015	4-30-15			
				Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
				Initials:	PT	PT	DF	PT			
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)							
4.1.1.7	400 area re-circulation filter plenum (HVP-807) AP	'PDI-838-1	≤2.0 & > 0' in. wc	.48	.48	.48	.48	.48			
		PDI-838-2	≤2.0 & > 0' in. wc	.51	.51	.51	.51				
		PDI-838-3	≤2.0 & > 0' in. wc	.50	.50	.50	.50				
	400 area re-circulation filter plenum (HVP-808) AP	'PDI-839-1	≤2.0 & > 0' in. wc	.43	.44	.44	.44	.44			
		PDI-839-2	≤2.0 & > 0' in. wc	.59	.60	.60	.59				
		PDI-839-3	≤2.0 & > 0' in. wc	.55	.55	.55					
4.1.3.4	South Bleed off filter plenum (FF-822A) AP	'PDI-810-1	≤2.0 & > 0' in. wc	OFF	OFF	OFF	OFF	OFF			
		PDI-810-2	≤2.0 & > 0' in. wc	OFF	OFF	OFF	OFF	OFF			
		PDI-810-3	≤2.0 & > 0' in. wc	OFF	OFF	OFF	OFF	OFF			
4.1.3.4	South Bleed off filter plenum (FF-822B) AP	'PDI-811-1	≤2.0 & > 0' in. wc	.11	.11	.11	.11	.11			
		PDI-811-2	≤2.0 & > 0' in. wc	.47	.49	.49	.45				
		PDI-811-3	≤2.0 & > 0' in. wc	.48	.49	.49	.47				
Completion Time				0841	0830	0815	0852				
OC Operator Review and Page Count Complete (initials)											

Non TSR requirement:

Note: SR 4.1.1.7 applies during mode 1 as stated in LCO 3.1.1. SRs 4.1.3.X apply during mode 1 and mode 2 as stated in LCO 3.1.3.

Completed by: Paul Ingalls Date 4-30-15 Time 0852 Reviewed by: RB Date: 4/30/15 Time: 1101

On-duty Supervisor

Comments

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side)[UET]

(Page 1 of 4)

SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)															
				Date:		4/27/2015		4/28/2015		4/29/2015		4/30/2015							
				Weekday:		Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
				Initials:		BF		BF		BF		BF							
4.1.1.7	Vault re-circulation filter plenum (HVP-811) ΔP	'PDI-840-1	<2.0 & > 0' in. wc	.16	.16	.17	.16	.16											
		PDI-840-2	<2.0 & > 0' in. wc	.57	.58	.58	.58	.58											
		PDI-840-3	<2.0 & > 0' in. wc	.50	.50	.50	.50	.50											
	Vault re-circulation filter plenum (HVP-812) ΔP	'PDI-841-1	<2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY											
		PDI-841-2	<2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY											
		PDI-841-3	<2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY											
	200 area re-circulation filter plenum (HVP-801) ΔP	'PDI-831-1	<2.0 & > 0' in. wc	.33	.33	.33	.33	.33											
		PDI-831-2	<2.0 & > 0' in. wc	.40	.40	.40	.40	.40											
		PDI-831-3	<2.0 & > 0' in. wc	.35	.35	.35	.35	.35											
	200 area re-circulation filter plenum (HVP-802) ΔP	'PDI-832-1	<2.0 & > 0' in. wc	.32	.33	.33	.33	.33											
PDI-832-2		<2.0 & > 0' in. wc	.60	.60	.60	.60	.60												
PDI-832-3		<2.0 & > 0' in. wc	.55	.56	.57	.56	.55												
4.1.3.4	North Bleed off filter plenum (FF-820A) ΔP	'PDI-807-1	<2.0 & > 0' in. wc	OFF	OFF	OFF	OFF	OFF											
		PDI-807-2	<2.0 & > 0' in. wc	OFF	OFF	OFF	OFF	OFF											
		PDI-807-3	<2.0 & > 0' in. wc	OFF	OFF	OFF	OFF	OFF											
4.1.3.4	North Bleed off filter plenum (FF-820B) ΔP	'PDI-809-1	<2.0 & > 0' in. wc	.09	.09	.09	.09	.09											
		PDI-809-2	<2.0 & > 0' in. wc	.51	.51	.51	.51	.51											
		PDI-809-3	<2.0 & > 0' in. wc	.49	.49	.49	.49	.49											

(Page 2 of 4)

[illegible]

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 3 of 4)

SRs	Description	Gauge	Date:		4/27/2015		4/28/2015		4/29/2015		4/30/2015		Sun.
			Weekday:	Acceptance Criteria	Initials:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.		
SURVEILLANCE RESULTS (in. wc)													
4.1.3.4	200 area glovebox exhaust filter plenum (FF850) AP	PDI-812-1	≤2.0 & > 0' in. wc	.15	.16	.16	.16	.16	.16				
		PDI-812-2	≤2.0 & > 0' in. wc	.35	.38	.38	.38	.38	.38				
		PDI-812-3	≤2.0 & > 0' in. wc	.35	.40	.40	.40	.38	.38				
		PDI-812-4	≤2.0 & > 0' in. wc	.35	.39	.39	.39	.37	.36				
		PDI-812-5	≤2.0 & > 0' in. wc	.31	.33	.33	.33	.31	.31				
4.1.3.4	200 area glovebox exhaust filter plenum (FF851) AP	PDI-813-1	≤2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY				
		PDI-813-2	≤2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY				
		PDI-813-3	≤2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY				
		PDI-813-4	≤2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY				
		PDI-813-5	≤2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY				
4.1.3.4	IFTT exhaust filter plenum (FF-865) AP	PDI-865-1	≤2.0 & > 0' in. wc	.03	.03	.03	.04	.04	.04				
		PDI-865-2	≤2.0 & > 0' in. wc	.36	.33	.33	.35	.35	.33				
		PDI-865-3	≤2.0 & > 0' in. wc	.41	.40	.41	.41	.39	.39				
4.1.3.4	IFTT supply filter plenum (IIVP-863) AP	PDI-863-1	≤2.0 & > 0' in. wc	.05	.05	.05	.05	.05	.05				
		PDI-863-2	≤2.0 & > 0' in. wc	.27	.27	.27	.28	.28	.28				

ATTACHMENT C: Non-PF-4 Daily Surveillance Rounds [UET]

M&TE Calibrated Data					
Record September through April only	PF-10 Thermometer File No.:	039744	PF-10 Thermistor File No.:	042253	V-701 Thermistor File No.:
	Calibration Expiration Date:	6/17/15	Calibration Expiration Date:	6/26/15	Calibration Expiration Date:
	PF-11 Thermometer File No.:	042252	PF-11 Thermistor File No.:	040373	V-704 Thermistor File No.:
	Calibration Expiration Date:	6/17/15	Calibration Expiration Date:	6/26/15	Calibration Expiration Date:

PF-10 & PF-11 Pamphouse Room Temperature and V-701 & V-704 Fire Water Storage Tank Temperature											
Daily (September through April only)		Date:	4/27/15	4/28/15	4/29/15	4/30/15					
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.		
		Initials:	TR	TR	TR	TR					
SR	Description	Acceptance Criteria									
NA	ENSURE M&TE Calibration Data above is recorded and calibration dates have not elapsed.	Calibration dates have not elapsed.									
4.3.1.1'	RECORD fire water storage tank V-701 temperature	49.9	49.6	48.9	50.7						
4.3.1.1'	RECORD fire water storage tank V-704 temperature	51.7	51.5	52.0	52.9						
4.3.1.3'	RECORD PF-10 room temperature	59.7	60.0	61.2	62.5						
4.3.1.3'	RECORD PF-11 room temperature	62.6	63.5	60.7	61.4						
		Completion Time:	0839	0808	0940	0840					
		OC Operator Review and Page Count Complete (initials)	W	W	W	W					

1 Temperatures should be recorded using Reference Thermometer F/ LUKE Model 1524 connected to Thermistor Probe F/ Luke Model 5610-9 (or approved engineered equivalent).

Completed by: [Signature] Date: 4/30/15 Time: 0840
 Reviewed by: [Signature] Date: 4/30/15 Time: 1100
 On-duty Supervisor

Comments:

ATTACHMENT D-1: Monthly Surveillance Rounds (Confinement Doors) [UET]

(Page 1 of 2)

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	<input checked="" type="radio"/> Sat / <input type="radio"/> Unsat.	1424	4-8-15	PT
4.1.3.2	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).	<input checked="" type="radio"/> Sat / <input type="radio"/> Unsat.	1424	4-8-15	PT
4.1.3.2	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).	<input checked="" type="radio"/> Sat / <input type="radio"/> Unsat.	1310	4-8-15	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	<input checked="" type="radio"/> Sat / <input type="radio"/> Unsat.	1337	4-8-15	PT
4.1.3.2	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). 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. 4.29 _____ Seconds	<input checked="" type="radio"/> Sat / <input type="radio"/> Unsat.	1339	4-8-15	PT
				<input checked="" type="radio"/> Sat / <input type="radio"/> Unsat.	1341	4-8-15	PT

*Note: Monthly Inspection of DR-344 and DR-102 in accordance with compensatory measure(s) from: Request for Permanent Equivalency to OES 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

ATTACHMENT D-1: 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	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). 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.	<input checked="" type="radio"/> Sat. <input type="radio"/> Unsat.	1352	4-8-15	PT
			7.0 Seconds				
4.1.3.2	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.	<input checked="" type="radio"/> Sat. <input type="radio"/> Unsat.	1350	4-8-15	PT
4.1.3.2	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).	<input checked="" type="radio"/> Sat. <input type="radio"/> Unsat.	1324	4-8-15	PT
					1402	4-8-15	PT
OC Operator Review and Page Count Complete							330

Note: SR 4.1.3.2 applies during mode 1 and 2.

Completed by: Paul Trujillo Date 4-8-15 Time 1424 Reviewed by: BBC Date: 4/8/15 Time: 1431

On-duty Supervisor Comments:

ATTACHMENT D-2: Monthly Surveillance Rounds (CAS) (Operations Center) [UET]

(Page 1 of 1)

SR	Description		Acceptance Criteria	Sat / Unsat	Initials
	Channel #	Location			
4.2.1.1	1	Rm. 201	> 1 mR/hr	Sat / Unsat	u
	2	Rm. 106	> 1 mR/hr	Sat / Unsat	u
	3	Rm. 305	> 1 mR/hr	Sat / Unsat	u
	4	Rm. 401	> 1 mR/hr	Sat / Unsat	u
	5	Rm. 206	> 1 mR/hr	Sat / Unsat	u
	6	Rm. 114	> 1 mR/hr	Sat / Unsat	u
	7	Rm. 319 W	> 1 mR/hr	Sat / Unsat	u
	8	Rm. 409	> 1 mR/hr	Sat / Unsat	u
	9	Rm. 208	> 1 mR/hr	Sat / Unsat	u
	10	Rm. 124	> 1 mR/hr	Sat / Unsat	u
	11	Rm. 319 E	> 1 mR/hr	Sat / Unsat	u
	12	Rm. 420	> 1 mR/hr	Sat / Unsat	u
	13	Rm. 209	> 1 mR/hr	Sat / Unsat	u
	14	Rm. 126	> 1 mR/hr	Sat / Unsat	u
	15	Rm. 327	> 1 mR/hr	Sat / Unsat	u
	16	Rm. 429	> 1 mR/hr	Sat / Unsat	u
	17	Vault 17	> 1 mR/hr	Sat / Unsat	u
	18	Vault 18	> 1 mR/hr	Sat / Unsat	u
	19	Vault 19	> 1 mR/hr	Sat / Unsat	u
	20	Vault 20	> 1 mR/hr	Sat / Unsat	u

Note: These readings **SHALL** be taken on the rate meters in rack RK-801-3 in the OC.

Completed by: PRICE Date 4/1/15 Time 0530

Reviewed by: R5B.D Date 4/1/15 Time 0730
On-duty Supervisor

Comments:

May

Attachment B, Surveillance Training Checklist

(Page 1 of 2)

Procedure title:	Surveillance Rounds
Procedure no.:	TA55 - STP - 004, R17
Date of issue:	5/1/15
Working copy issued to:	John Smeltz
Working copy issued by:	John Smeltz
	Certified Operations Center Operator

Operations Center Operator Review

Signature

Date

Required Reading for this Surveillance has been completed.
Training Checklist

Workers Performing Surveillance	Applicable Surveillance Training Current	
	Initials	Date
R Briscoe	BAJ	4/30/15
B Chance	BAJ	
D Dunaway	BAJ	
A Dunseith	BAJ	
J Lovato	BAJ	
R Lum	BAJ	
A Ortiz	BAJ	
F Seybert	BAJ	
J Smeltz	BAJ	
R Price	BAJ	4/30/15

Comments:

Attachment B, Surveillance Training Checklist (continued)
(Page 2 of 2)

Training Checklist (continuation sheet)

[illegible]

Attachment A, Surveillance Due Date Change Request

SI/STP/ISI #	Scheduled Due Date	Proposed Due Date	Maximum Allowable Extension of Due Date
STP004 CONF DATES	05/06/2015	05/07/2015	05/16/15

Justification:

GAURD SCHEDULING CONFLICTS		
Prepared by:	ANTONIO R. JAUREGUE <i>Ant R</i>	05/06/15
	Preparer/System Engineer	Date
Reviewed by:	<i>[Signature]</i>	5/6/15
	Operations Center On-Duty Supervisor	Date
Approved by:	<i>[Signature]</i>	5/6/15
	Operations Manager	Date

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 1 of 3)

SRS	Note Gauge readings should be taken on rack #4 in the OC, whenever possible. Document if alternate PDIs are used.	Date:																		
		Weekday:		Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.				
		Shift:	Initials:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM			
		SURVEILLANCE RESULTS (in. wc)																		
4.1.1.1 4.1.2.1 ²	200 area glovebox exhaust header AP	PDI-814-1 or PDI-814-2	≤-1.0 in. wc ¹																	
	100 area glovebox exhaust header AP	PDI-820-1 or PDI-820-2	≤-1.0 in. wc ¹																	
	300 area glovebox exhaust header AP	PDI-870-1 or PDI-870-2	≤-1.0 in. wc ¹																	
	400 area glovebox exhaust header AP	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 AP	PDI-803-1 or PDI-803-2	≤-0.05 in. wc ¹																	
	100 area laboratory header AP	PDI-802-1 or PDI-802-2	≤-0.05 in. wc ¹																	
	300 area laboratory header AP	PDI-853-1 or PDI-853-2	≤-0.05 in. wc ¹																	
	400 area laboratory header AP	PDI-852-1 or PDI-852-2	≤-0.05 in. wc ¹																	
4.1.1.3 4.1.2.3 ²	IFTT Facility AP	PDI-865-4 or PDI-865-5	≤-0.05 in. wc																	
	North basement AP	PDI-804-1 or PDI-804-2	<0.00 in. wc																	
	South basement AP	PDI-854-1 or PDI-854-2	<0.00 in. wc																	
	IRT Tunnel AP	PDT-901 or PDI-901	<0.00 in. wc																	

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 3 of 3)

SRS		Description	Area	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS													
						Sat. / Unsat. (circle one)													
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:													
						Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.						
						Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	
						Initials:													
4.1.1.4	Glovebox exhaust header APs < laboratory APs for basement APs 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	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat
		100 Area	PDI-820-2 PDI-802-2 PDI-804-2	PDI-820-2 < PDI-802-2 < PDI-804-2	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat
		300 Area	PDI-870-2 PDI-853-2 PDI-854-2	PDI-870-2 < PDI-853-2 < PDI-854-2	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat
		400 Area	PDI-864-2 PDI-852-2 PDI-854-2	PDI-864-2 < PDI-852-2 < PDI-854-2	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat
						Completion Time													

Note: ¹ Mode 2 acceptance criteria is < 0.00 in. wgNote: ² SRS 4.1.2.x only apply during mode 2 in accordance with LCO 3.1.2.Completed by: De De Date: 5/3/15 Time: 1930

Reviewed by:

On-duty Supervisor

Date: 5/4/15 Time: 1300

Comments:

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

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).

SR	Description / Gauge	SURVEILLANCE RESULTS (percentage)										
		Acceptance Criteria										
		Date:	Weekday:	Initials:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.	
4.4.1.1	Flammable Gas Channel Check	NA										
	DET-305-3 (LCD Reading)											
	CP-305-H (LED Reading)											
	(DET-305-3) – (CP-305H) (LCD Reading) (LED Reading)	Record Calculated Value										
		Completion Time:										

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 3 of 4)

SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
				Date:	Weekday:	Initials:				
					Mon.	Tue.	Wed.	Thu.	Fri.	Sat. Sun.
									5/1/15	5-2-15 5-3-15
									PT	PT
4.1.3.4	400 area glovebox exhaust filter plenum (FF856) AP	PDI-822-1	$\leq 2.0 \& > 0^1$ in. wc						.25	.75 .76
		PDI-822-2	$\leq 2.0 \& > 0^1$ in. wc						.50	.50 .50
		PDI-822-4	$\leq 2.0 \& > 0^1$ in. wc						.41	.41 .41
		PDI-822-5	$\leq 2.0 \& > 0^1$ in. wc						.45	.45 .45
4.1.3.4	400 area glovebox exhaust filter plenum (FF857) AP	PDI-823-1	$\leq 2.0 \& > 0^1$ in. wc						.50	.50 .50
		PDI-823-2	$\leq 2.0 \& > 0^1$ in. wc						.50	.50 .50
		PDI-823-4	$\leq 2.0 \& > 0^1$ in. wc						.50	.50 .50
		PDI-823-5	$\leq 2.0 \& > 0^1$ in. wc						.50	.50 .50
4.1.3.4	South Basement exhaust filter plenum (FF-829) AP	PDI-830-1	$\leq 2.0 \& > 0^1$ in. wc						.68	.69 .69
		PDI-830-2	$\leq 2.0 \& > 0^1$ in. wc						.34	.31 .30
		PDI-830-3	$\leq 2.0 \& > 0^1$ in. wc						.28	.28 .28
		PDI-836-1	$\leq 2.0 \& > 0^1$ in. wc						.92	.97 .97
4.1.1.7	300 area re-circulation filter plenum (HVP-805) AP	PDI-836-2	$\leq 2.0 \& > 0^1$ in. wc						.56	.58 .58
		PDI-836-3	$\leq 2.0 \& > 0^1$ in. wc						.52	.52 .52
		PDI-837-1	$\leq 2.0 \& > 0^1$ in. wc						.50	.50 .50
		PDI-837-2	$\leq 2.0 \& > 0^1$ in. wc						.40	.41 .41
4.1.1.7	300 area re-circulation filter plenum (HVP-806) AP	PDI-837-3	$\leq 2.0 \& > 0^1$ in. wc						.39	.39 .39

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 4 of 4)

				Date:						5/1/15	5-2-15	5-3-15
				Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.	
				Initials:					JS	PT	PT	
SRS	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)								
4.1.1.7	400 area re-circulation filter plenum (HVP-807) AP	PDI-838-1	≤2.0 & > 0' in. wc						.49	.48	.48	
		PDI-838-2	≤2.0 & > 0' in. wc						.51	.51	.51	
		PDI-838-3	≤2.0 & > 0' in. wc						.50	.50	.50	
		PDI-839-1	≤2.0 & > 0' in. wc						.43	.44	.44	
4.1.3.4	400 area re-circulation filter plenum (HVP-808) AP	PDI-839-2	≤2.0 & > 0' in. wc						.59	.59	.59	
		PDI-839-3	≤2.0 & > 0' in. wc						.55	.55	.53	
		PDI-810-1	≤2.0 & > 0' in. wc						OFF	DEF	OFF	
		PDI-810-2	≤2.0 & > 0' in. wc						OFF	DEF	DEF	
4.1.3.4	South Bleed off filter plenum (FF-822A) AP	PDI-810-3	≤2.0 & > 0' in. wc						OFF	DEF	DEF	
		PDI-811-1	≤2.0 & > 0' in. wc						.11	.11	.11	
		PDI-811-2	≤2.0 & > 0' in. wc						.48	.44	.48	
		PDI-811-3	≤2.0 & > 0' in. wc						.48	.45	.48	
OC Operator Review and Page Count Complete (initials)				Completion Time					0834	0756	0802	

Non TSR requirement:

Note: SR 4.1.1.7 applies during mode 1 as stated in LCO 3.1.1. SRs 4.1.3.X apply during mode 1 and mode 2 as stated in LCO 3.1.3.

Completed by: *Paul Ziegler* Date *5-3-15* Time *0802* Reviewed by:

On-duty Supervisor

Date: *5/4/15* Time: *1300*

Comments

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 2 of 4)

				Date:						5/1/15	5-2-15	5-3-15
				Weekday:	Mon	Tue	Wed	Thu	Fri	Sat	Sun	
				Initials:						for	PT	PT
SRS	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)								
4.1.3.4	North Basement exhaust filter plenum (FF-828) AP	1 st PD-829-1	≤ 2.0 & > 0 ¹ in. wc							.13	.15	.15
		PD-829-2	≤ 2.0 & > 0 ¹ in. wc							.32	.38	.39
		PD-829-3	≤ 2.0 & > 0 ¹ in. wc							.29	.30	.30
4.1.1.7	100 area re-circulation filter plenum (HVP-803) AP	1 st PD-833-1	≤ 2.0 & > 0 ¹ in. wc							≥1.0	≥1.0	≥1.0
		PD-833-2	≤ 2.0 & > 0 ¹ in. wc							.46	.47	.47
		PD-833-3	≤ 2.0 & > 0 ¹ in. wc							.45	.45	.45
		1 st PD-835-1	≤ 2.0 & > 0 ¹ in. wc							.16	.16	.16
		PD-835-2	≤ 2.0 & > 0 ¹ in. wc							.44	.45	.45
4.1.3.4	100 area re-circulation filter plenum (HVP-804) AP	PD-835-3	≤ 2.0 & > 0 ¹ in. wc							.42	.42	.42
		1 st PD-815-1	≤ 2.0 & > 0 ¹ in. wc							.19	.20	.20
		PD-815-2	≤ 2.0 & > 0 ¹ in. wc							.42	.42	.42
		PD-815-4	≤ 2.0 & > 0 ¹ in. wc							.38	.38	.38
		PD-815-5	≤ 2.0 & > 0 ¹ in. wc							.40	.40	.40
4.1.3.4	100 area glovebox exhaust filter plenum (FF852) AP	1 st PD-816-1	≤ 2.0 & > 0 ¹ in. wc							STBY	STBY	STBY
		PD-816-2	≤ 2.0 & > 0 ¹ in. wc							STBY	STBY	STBY
		PD-816-4	≤ 2.0 & > 0 ¹ in. wc							STBY	STBY	STBY
		PD-816-5	≤ 2.0 & > 0 ¹ in. wc							STBY	STBY	STBY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

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SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS						
				Date:	Weekday:	Initials:				
4.1.3.4	North Basement supply filter plenum (IIVP-840) ΔP	1PDI-857-1	≤ 2.0 & > 0' in. wg				5/11/15	5-2-15	5-3-15	
		PDI-857-2	≤ 2.0 & > 0' in. wg					Sat.	Sun.	
4.1.3.4	North corridor supply filter plenum (IIVP-809) ΔP	1PDI-856-1	≤ 2.0 & > 0' in. wg							
		PDI-856-2	≤ 2.0 & > 0' in. wg							
1NA	Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C		0 lb/ft ³ combustibles in designated exclusion area (within 15 feet of fans)							
4.3.2.2	Rooms 201, 204, 206, & 207		0 lb/ft ³ 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							
OC Operator Review and Page Count Complete (initials)										
Completion time										

Non TSR requirement

Note: SR 4.1.3.4 applies during mode 1 and mode 2.

Completed by: *Paul Stuyville* Date 5-3-15 Time 0805 Reviewed by: *[Signature]* Date 5/11/15 Time 1500

Comments:

On-duty Supervisor

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

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SRS		Description	Area	Gauge	Acceptance Criteria	Date:															
						Weekday:		Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
						Shift:	Initials:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM		
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.						05-04-15	05-05-15	5/6/15	5/7/15	05-08-15	05-09-15	05-10-15									
						AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM		
						BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC		
4.1.1.4 Glovebox exhaust header APs < laboratory APs < basement APs for areas 100, 200, 300 and 400																					
200 Area PDI-814-2 PDI-803-2 PDI-804-2						Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat					
						Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat			
100 Area PDI-820-2 PDI-802-2 PDI-804-2						Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat					
						Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat			
300 Area PDI-870-2 PDI-853-2 PDI-854-2						Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat					
						Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat			
400 Area PDI-864-2 PDI-852-2 PDI-854-2						Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat					
						Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat			
Completion Time						0725	1930	0725	1930	0725	1930	0725	1930	0725	1930	0725	1930				

Note: ¹ Mode 2 acceptance criteria is ≤ 0.00 in. w.c.
 Note: ² SRS 4.1.2.x only apply during mode 2 in accordance with LCO 3.1.2.

Completed by:

Date: 5/10/15 Time: 1818

Reviewed by:

Date: 5/12/15 Time: 0712

Comments:

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

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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).

SR	Description / Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (percentage)							
			Date:	5-4-15	5/5/2015	5-6-15	5/7/15	5-8-15	5-09-15	5/10/2015
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
4.4.1.1	Flammable Gas Channel Check DET-305-3 (LCD Reading)	NA	Initials:	PT	BE	PT	LM	RL	BE	LM
	CP-305-H (LED Reading)			0.0	0.0	0.0	0.0	0.0	0.0	0.0
	(DET-305-3) - (CP-305H) (LCD Reading) (LED Reading)	Record Calculated Value ≥ -0.1 ; $\leq +0.1$		0.0	0.0	0.0	0.0	0.0	0.0	0.0
		Completion Time:		0835	0743	0831	0830	0814	0808	0837

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side)(UET)

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SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
				Date:	Weekday:	Initials:				
				5-4-15	5/5/2015	5-6-15	5/2/15	5-8-15	5/10/15	5/10/15
				Mon.	Tue.	Wed.	Thur.	Fri.	Sat.	Sun.
				PT	BF	PT	pm	RL	un	for
4.1.3.4	South basement supply filter plenum (HVP-841) AP	¹ PD1-894-1 PD1-894-2	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$ $\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$	.07 .56	.07 .56	.07 .55	.07 .55	.08 .55	.08 .55	.07 .54
4.1.3.4	South Corridor supply (HVP-810) AP	¹ PD1-895-1 PD1-895-2	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$ $\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$	.10 .59	.09 .59	.09 .59	.09 .59	.09 .59	.09 .59	.09 .59
4.1.3.4	300 area glovebox exhaust filter plenum (FF854) AP	¹ PD1-817-1 PD1-817-2 PD1-817-4 PD1-817-5	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$ $\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$ $\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$ $\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$	STBY STBY STBY STBY	STBY STBY STBY STBY	STBY STBY STBY STBY	STBY STBY STBY STBY	STBY STBY STBY STBY	STBY STBY STBY STBY	STBY STBY STBY STBY
4.1.3.4	300 area special recovery glovebox exhaust filter plenum (FF858) AP	PD1-819-1 PD1-819-3 PD1-819-4	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$ $\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$ $\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$	STBY STBY STBY	STBY STBY STBY	STBY STBY STBY	STBY STBY STBY	STBY STBY STBY	STBY STBY STBY	STBY STBY STBY
4.1.3.4	300 area glovebox exhaust filter plenum (FF855) AP	¹ PD1-818-1 PD1-818-2 PD1-818-4 PD1-818-5	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$ $\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$ $\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$ $\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$	.28 .32 .32 .30	.28 .33 .33 .31	.28 .32 .32 .30	.28 .34 .33 .30	.28 .32 .33 .30	.28 .34 .33 .30	.28 .35 .32 .30
4.1.3.4	300 area special recovery glovebox exhaust filter plenum (FF859) AP	PD1-821-1 PD1-821-3 PD1-821-4	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$ $\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$ $\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$.40 .44 .39	.40 .45 .40	.40 .45 .40	.40 .44 .39	.40 .45 .40	.40 .45 .40	.40 .44 .39

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SRS		Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)							
					Date:	5-4-15	5/5/2015	5-6-15	5/7/15	5-8-15	5/20/15	5/10/15
					Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	PT	BT	PT	Am	Alk	un	un	PT		
4.1.1.7	400 area re-circulation filter plenum (HVP-807) AP	1PDI-838-1	$\leq 2.0 \& > 0^1$ in. wc	.48	.48	.48	.48	.48	.48	.47	.47	
		PDI-838-2	$\leq 2.0 \& > 0^1$ in. wc	.51	.51	.51	.51	.52	.52	.51	.51	
		PDI-838-3	$\leq 2.0 \& > 0^1$ in. wc	.50	.50	.50	.52	.50	.50	.50		
	400 area re-circulation filter plenum (HVP-808) AP	1PDI-839-1	$\leq 2.0 \& > 0^1$ in. wc	.43	.44	.44	.43	.43	.43	.43	.44	
		PDI-839-2	$\leq 2.0 \& > 0^1$ in. wc	.59	.59	.59	.59	.59	.59	.59	.59	
		PDI-839-3	$\leq 2.0 \& > 0^1$ in. wc	.55	.55	.54	.53	.55	.55	.54		
4.1.3.4	South Bleed off filter plenum (FF-822A) AP	1PDI-810-1	$\leq 2.0 \& > 0^1$ in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	
		PDI-810-2	$\leq 2.0 \& > 0^1$ in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	
		PDI-810-3	$\leq 2.0 \& > 0^1$ in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	
4.1.3.4	South Bleed off filter plenum (FF-822B) AP	1PDI-811-1	$\leq 2.0 \& > 0^1$ in. wc	.11	.11	.11	.11	.11	.11	.11	.12	
		PDI-811-2	$\leq 2.0 \& > 0^1$ in. wc	.45	.46	.45	.42	.45	.45	.45	.49	
		PDI-811-3	$\leq 2.0 \& > 0^1$ in. wc	.48	.48	.48	.48	.46	.46	.49		
		Completion Time	0855	0820	0627	0854	0836	0858	0901			

OC Operator Review and Page Count Complete (initials)

PT BT PT Am Alk un PT

Note: SR 4.1.1.7 applies during mode 1 as stated in L.CO 3.1.1. SRs 4.1.3.X apply during mode 1 and mode 2 as stated in L.CO 3.1.3.

Date: 5/12/15 Time: 0713

Comments

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side)(UET)

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SRS		Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)									
					Date:									
					Weekday:									
					Initials:									
					5/4/2015	5/5/2015	5-6-15	5/7/2015	5/8/2015	05-09-15	05/10/15			
					Mon	Tue	Wed	Thu	Fri	Sat	Sun			
					B _F	B _F	P _T	B _F	B _F	BC	ma			
4.1.1.7	Vault re-circulation filter plenum (HVP-811) ΔP	¹ PD1-840-1	<2.0 & > 0' in. wc	.17	.16	.16	.16	.16	.16	.16	.16			
		PD1-840-2	<2.0 & > 0 in. wc	.58	.58	.58	.57	.57	.57	.57	.57			
		PD1-840-3	<2.0 & > 0' in. wc	.50	.50	.50	.50	.50	.50	.50	.50			
		¹ PD1-841-1	<2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY			
		PD1-841-2	<2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY			
	200 area re-circulation filter plenum (HVP-801) ΔP	PD1-841-3	<2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY		
		¹ PD1-831-1	<2.0 & > 0' in. wc	.33	.33	.33	.33	.33	.33	.33	.33	.33		
		PD1-831-2	<2.0 & > 0' in. wc	.40	.40	.40	.40	.40	.40	.40	.40	.40		
		PD1-831-3	<2.0 & > 0' in. wc	.35	.35	.34	.34	.34	.35	.34	.34	.34		
		¹ PD1-832-1	<2.0 & > 0' in. wc	.33	.32	.32	.33	.33	.33	.32	.32	.32		
200 area re-circulation filter plenum (HVP-802) ΔP	PD1-832-2	<2.0 & > 0' in. wc	.60	.60	.60	.60	.60	.60	.60	.60	.60			
	PD1-832-3	<2.0 & > 0' in. wc	.56	.55	.55	.55	.55	.55	.55	.55	.55			
	¹ PD1-807-1	<2.0 & > 0' in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF			
	PD1-807-2	<2.0 & > 0' in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF			
	PD1-807-3	<2.0 & > 0' in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF			
4.1.3.4	North Bleed off filter plenum (FF-820A) ΔP	¹ PD1-809-1	<2.0 & > 0' in. wc	.09	.09	.09	.09	.09	.09	.08	.08			
		PD1-809-2	<2.0 & > 0' in. wc	.51	.51	.51	.51	.51	.51	.51	.51	.51		
		PD1-809-3	<2.0 & > 0' in. wc	.48	.49	.49	.49	.49	.49	.48	.48	.48		
4.1.3.4	North Bleed off filter plenum (FF-820B) ΔP	¹ PD1-809-1	<2.0 & > 0' in. wc	.09	.09	.09	.09	.09	.09	.08	.08			
		PD1-809-2	<2.0 & > 0' in. wc	.51	.51	.51	.51	.51	.51	.51	.51	.51		
		PD1-809-3	<2.0 & > 0' in. wc	.48	.49	.49	.49	.49	.49	.48	.48	.48		

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 3 of 4)

SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)							
				Date:	5/4/2015	5/5/2015	5-6-15	5/7/2015	5/8/2015	05.09.15	05.10.15
				Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	B _F	B _F	P _T	B _F	B _F	B _C	W _W	
4.1.3.4	200 area glovebox exhaust filter plenum (FF850) AP	PDI-812-1	≤ 2.0 & > 0' in. wc	.15	.15	.15	.15	.15	.16	.16	
		PDI-812-2	≤ 2.0 & > 0' in. wc	.38	.38	.37	.37	.38	.37	.37	
		PDI-812-3	≤ 2.0 & > 0' in. wc	.39	.40	.39	.39	.38	.40	.40	
		PDI-812-4	≤ 2.0 & > 0' in. wc	.35	.34	.37	.37	.36	.35	.36	
		PDI-812-5	≤ 2.0 & > 0' in. wc	.32	.31	.31	.31	.32	.32	.32	
4.1.3.4	200 area glovebox exhaust filter plenum (FF851) AP	PDI-813-1	≤ 2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY	
		PDI-813-2	≤ 2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY	
		PDI-813-3	≤ 2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY	
		PDI-813-4	≤ 2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY	
		PDI-813-5	≤ 2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY	
4.1.3.4	IFFT exhaust filter plenum (FF-865) AP	PDI-865-1	≤ 2.0 & > 0' in. wc	.04	.03	.04	.04	.04	.03	.03	
		PDI-865-2	≤ 2.0 & > 0' in. wc	.35	.36	.36	.36	.36	.35	.35	
		PDI-865-3	≤ 2.0 & > 0' in. wc	.42	.41	.41	.41	.41	.40	.41	
4.1.3.4	IFFT supply filter plenum (IIVP-863) AP	PDI-863-1	≤ 2.0 & > 0' in. wc	.05	.05	.05	.05	.05	.05	.05	
		PDI-863-2	≤ 2.0 & > 0' in. wc	.26	.27	.25	.26	.27	.27	.27	

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

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SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS						
				Date:	Weekdays:	Initials:				
				5/4/2015	5/5/2015	5-6-15	5/7/2015	5/8/2015	05.09.15	05.10.15
				Mon.	Tue.	Wed.	Thur.	Fri.	Sat.	Sun.
				B _F	B _F	PT	B _F	B _F	SC	W _W
4.1.3.4	North Basement supply filter plenum (11VP-840) AP	¹ PDI-857-1	≤ 2.0' & ≥ 0' in. wc	.08	.08	.08	.08	.08	.49	.47
		PDI-857-2	≤ 2.0' & ≥ 0' in. wc	.49	.49	.49	.49	.49	.49	.48
4.1.3.4	North corridor supply filter plenum (11VP-809) AP	¹ PDI-856-1	≤ 2.0' & ≥ 0' in. wc	.11	.10	.10	.11	.10	.10	.18
		PDI-856-2	≤ 2.0' & ≥ 0' in. wc	.58	.55	.54	.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/ft ³ combustibles in designated exclusion area (within 15 feet of fans)	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2	Rooms 201, 204, 206, & 207		0 lb/ft ³ 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
OC Operator Review and Page Count Complete (initials)				0853	0805	0857	0905	0837	0851	0906
Non TSR requirement				SC	SC	W	W	SC	SC	SC

Note: SR 4.1.3.4 applies during mode 1 and mode 2.

Completed by: M. D. D. D. D. Date: 5/10/15 Time: 0906Reviewed by: RSB

On-duty Supervisor

Date: 5/12/15 Time: 0714

Comments:

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 3 of 3)

SRS		Description	Area	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS															
						Sat, 4 Unsats. (circle one)															
						Date:		Mon.		Tue.		Wed.		Thur.		Fri.		Sat.		Sun.	
						Weekday:	Shift:	Weekday:	Shift:	Weekday:	Shift:	Weekday:	Shift:	Weekday:	Shift:	Weekday:	Shift:	Weekday:	Shift:	Weekday:	Shift:
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.						5-11-15		5-12-15		05-13-15		05-14-15		5-15-15		5-16-15		5-17-15			
Initials:						A	U	A	U	U	U	U	U	U	U	U	U	U			
4.1.1.4 Glovebox exhaust header AP's < basement AP's for areas 100, 200, 300 and 400						200 Area	PDI-814-2 PDI-803-2 PDI-804-2	2 < PDI-803-2 < PDI-804-2	Unsatsat	Unsatsat	Unsatsat	Unsatsat	Unsatsat	Unsatsat	Unsatsat	Unsatsat	Unsatsat	Unsatsat			
						100 Area	PDI-820-2 PDI-802-2 PDI-804-2	2 < PDI-802-2 < PDI-802-2 < PDI-804-2	Unsatsat	Unsatsat	Unsatsat	Unsatsat	Unsatsat	Unsatsat	Unsatsat	Unsatsat	Unsatsat	Unsatsat			
						300 Area	PDI-870-2 PDI-853-2 PDI-854-2	2 < PDI-853-2 < PDI-854-2	Unsatsat	Unsatsat	Unsatsat	Unsatsat	Unsatsat	Unsatsat	Unsatsat	Unsatsat	Unsatsat	Unsatsat			
						400 Area	PDI-864-2 PDI-852-2 PDI-854-2	2 < PDI-852-2 < PDI-854-2	Unsatsat	Unsatsat	Unsatsat	Unsatsat	Unsatsat	Unsatsat	Unsatsat	Unsatsat	Unsatsat	Unsatsat			
						Completion Time															
						0130	1422	0130	1428	0732	1424	0729	1420	0130	1429	0130	1427	0119	1435		

Note: 1 Mode 2 acceptance criteria is < 0.00 in. wc

Note: 2 SRS 4.1.2.x only apply during mode 2 in accordance with LCO 3.1.2.

Completed by: Peace W Date 5/17/15 Time 1935

Reviewed by:

Date: 5/19/15 Time: 1200

Comments:

On-duty Supervisor

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

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).

SR	Description / Gauge	SURVEILLANCE RESULTS (percentage)									
		Acceptance Criteria									
		Date:	5/11/15	5/12/2015	5/13/2015	5/14/15	5/15/15	5/16/15	5/17/15		
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.		
		Initials:	BM	BF	BF	RL	RL	RL	RL	RL	
4.4.1.1	Flammable Gas Channel Check DET-305-3 (LCD Reading)	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	CP-305-H (LED Reading)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	(DET-305-3) – (CP-305H) (LCD Reading) (LED Reading)	Record Calculated Value ≥ -0.1; ≤ +0.1	Sat. / Unsat.	Sat. / Unsat.	Sat. / Unsat.	Sat. / Unsat.	Sat. / Unsat.	Sat. / Unsat.	Sat. / Unsat.	Sat. / Unsat.	
	Completion Time:	0754	0750	0800	0804	0757	0730	0705			

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 3 of 4)

SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
				Date:	Weekday:	Initials:				
				5/11/15	5/12/2015	5/13/2015	5/14/15	5/15/15	5/16/15	5/17/15
				Mon.	Tue.	Wed.	Thur.	Fri.	Sat.	Sun.
					BF	BF	BT	BT	B	JK
4.1.3.4	400 area glovebox exhaust filter plenum (FF856) AP	PDI-822-1	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$	.76	.75	.75	.75	.74	.76	.76
		PDI-822-2	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$	.50	.51	.52	.50	.50	.50	.51
		PDI-822-4	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$	.42	.42	.42	.41	.41	.41	.42
		PDI-822-5	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$	.44	.46	.47	.44	.44	.46	.46
4.1.3.4	400 area glovebox exhaust filter plenum (FF857) AP	PDI-823-1	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-823-2	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-823-4	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-823-5	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4	South Basement exhaust filter plenum (FF-829) AP	PDI-830-1	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$	.67	.69	.69	.69	.69	.69	.67
		PDI-830-2	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$	.31	.30	.31	.30	.30	.30	.30
		PDI-830-3	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$	.28	.28	.28	.29	.29	.29	.28
		PDI-836-1	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$	.97	.97	.97	.98	.98	.98	.98
4.1.1.7	300 area re-circulation filter plenum (HVP-805) AP	PDI-836-2	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$	.56	.58	.57	.58	.58	.58	.57
		PDI-836-3	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$	.53	.54	.54	.53	.52	.52	.52
		PDI-837-1	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$	.51	.51	.51	.50	.50	.50	.51
		PDI-837-2	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$	.41	.41	.41	.40	.40	.40	.40
	300 area re-circulation filter plenum (HVP-806) AP	PDI-837-3	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$	.39	.39	.39	.39	.39	.39	.39

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 4 of 4)

SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)																			
				Date:							Weekday:												
				Initials:							Weekday:												
				5/11/15	Mon.	BF	5/12/2015	Tue.	BF	5/13/2015	Wed.	BF	5/14/15	Thu.	BF	5/15/15	Fri.	BF	5/16/15	Sat.	BF	5/17/15	Sun.
4.1.1.7	400 area re-circulation filter plenum (HVP-807) AP	1PDI-838-1	≤ 2.0 & $> 0^1$ in. wc	.47	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48
		PDI-838-2	≤ 2.0 & $> 0^1$ in. wc	.51	.52	.52	.52	.52	.52	.52	.52	.52	.52	.52	.52	.52	.52	.52	.52	.52	.52	.52	.52
		PDI-838-3	≤ 2.0 & $> 0^1$ in. wc	.50	.51	.51	.51	.51	.51	.51	.51	.51	.51	.51	.51	.51	.51	.51	.51	.51	.51	.51	.51
4.1.3.4	South Bleed off filter plenum (FF-822A) AP	1PDI-839-1	≤ 2.0 & $> 0^1$ in. wc	.43	.43	.43	.43	.43	.43	.43	.43	.43	.43	.43	.43	.43	.43	.43	.43	.43	.43	.43	.43
		PDI-839-2	≤ 2.0 & $> 0^1$ in. wc	.59	.59	.59	.59	.59	.59	.59	.59	.59	.59	.59	.59	.59	.59	.59	.59	.59	.59	.59	.59
		PDI-839-3	≤ 2.0 & $> 0^1$ in. wc	.55	.55	.55	.55	.55	.55	.55	.55	.55	.55	.55	.55	.55	.55	.55	.55	.55	.55	.55	.55
4.1.3.4	South Bleed off filter plenum (FF-822B) AP	1PDI-810-1	≤ 2.0 & $> 0^1$ in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		PDI-810-2	≤ 2.0 & $> 0^1$ in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		PDI-810-3	≤ 2.0 & $> 0^1$ in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
4.1.3.4	South Bleed off filter plenum (FF-822B) AP	1PDI-811-1	≤ 2.0 & $> 0^1$ in. wc	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11	.11
		PDI-811-2	≤ 2.0 & $> 0^1$ in. wc	.46	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48
		PDI-811-3	≤ 2.0 & $> 0^1$ in. wc	.47	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48
OC Operator Review and Page Count Complete (initials)				0811	0805	0840	0922	0828	0817	0800	0732	0700	0632	0600	0532	0500	0432	0400	0332	0300	0232	0200	

Non TSR requirement:

Note: SR 4.1.1.7 applies during mode 1 as stated in LCO 3.1.1. SRs 4.1.3.X apply during mode 1 and mode 2 as stated in LCO 3.1.3.

Completed by: [Signature] Date 5/13/15 Time 0740 Reviewed by: [Signature]

On-duty Supervisor

Date: 5/18/15 Time: 1200

Comments

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 3 of 4)

SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)																			
				Date:	Weekday:	Initials:																	
				5/11/2015	Mon.	GC	5-12-15	Tue.	PT	5/13/2015	Wed.	AB	5/14/15	Thu.	EL	5/15/15	Fri.	per	5/16/15	Sat.	per	5/19/15	Sun.	per
4.1.3.4	200 area glovebox exhaust filter plenum (FF850) AP	1PDI-812-1	≤2.0 & > 0 ¹ in. wc	.15	.15	.15	.15	.16	.16	.16													
		PDI-812-2	≤2.0 & > 0 ¹ in. wc	.38	.35	.35	.35	.36	.36	.36													
		PDI-812-3	≤2.0 & > 0 ¹ in. wc	.37	.37	.36	.36	.37	.37	.37													
		PDI-812-4	≤2.0 & > 0 ¹ in. wc	.35	.35	.35	.37	.37	.37														
		PDI-812-5	≤2.0 & > 0 ¹ in. wc	.31	.31	.31	.31	.31	.31														
4.1.3.4	200 area glovebox exhaust filter plenum (FF851) AP	1PDI-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	HFTT exhaust filter plenum (FF-865) AP	1PDI-865-1	≤2.0 & > 0 ¹ in. wc	.02	.04	.04	.05	.03	.03														
		PDI-865-2	≤2.0 & > 0 ¹ in. wc	.37	.34	.35	.32	.33	.32														
		PDI-865-3	≤2.0 & > 0 ¹ in. wc	.40	.39	.41	.30	.40	.40														
4.1.3.4	HFTT supply filter plenum (IIVP-863) AP	1PDI-863-1	≤2.0 & > 0 ¹ in. wc	.05	.05	.05	.24	.05	.05														
		PDI-863-2	≤2.0 & > 0 ¹ in. wc	.28	.27	.28	.28	.28	.27														

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 4 of 4)

				Date:	5/11/2015	5/12/15	5/13/2015	5/14/15	5/15/15	5/16/15	5/17/15
				Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
				Initials:	BF	PT	AD	FTT	AN	AN	AN
SURVEILLANCE RESULTS											
SRS	Description	Gauge	Acceptance Criteria								
4.1.3.4	North Basement supply filter plenum (HVP-840) AP	PDI-857-1	≤ 2.0 & > 0 in. wc	.09	.13	.13	.15	.14	.14	.14	
		PDI-857-2	≤ 2.0 & > 0 in. wc	.49	.49	.49	.50	.50	.50	.50	
		PDI-856-1	≤ 2.0 & > 0 in. wc	.11	.11	.11	.10	.10	.10	.10	
4.1.3.4	North corridor supply filter plenum (HVP-809) AP	PDI-856-2	≤ 2.0 & > 0 in. wc	.54	.54	.54	.54	.51	.50	.50	
1NA	Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C		0 lb/ft ² combustibles in designated exclusion area (within 15 feet of fans)	SAT	SAT	SAT	SAT	SAT	SAT	SAT	
4.3.2.2	Rooms 201, 204, 206, & 207		0 lb/ft ² 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				0808	0813	0906	0923	0830	0835	0721	
OC Operator Review and Page Count Complete (initials)				AN	AN	AN	AN	AN	AN	AN	AN

Non TSR requirement

Note: SR 4.1.3.4 applies during mode 1 and mode 2.

Completed by: [Signature] Date 5/17/15 Time 0245 Reviewed by: [Signature]

Comments:

On-duty Supervisor

Date: 5/19/15 Time: 1205

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:		05/18/15		05/19/15		5-20-15		5/21/15		05/22-15		5/23/15		5/24/15				
		Weekday:		Mon		Tue		Wed		Thu		Fri		Sat		Sun				
		Shift:	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM				
SRs	Description	Area	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS															
					Sat / Unsat. (circle one)															
					<div>4.1.1.4</div> <div>Glovebox exhaust header APs < laboratory APs < basement APs for areas 100, 200, 300 and 400</div>															
					<div>200 Area</div> <div>PDI-814-2 PDI-803-2 PDI-804-2</div> <div>PDI-814-2 < PDI-803-2 < PDI-804-2</div>															
<div>100 Area</div> <div>PDI-820-2 PDI-802-2 PDI-804-2</div> <div>PDI-820-2 < PDI-802-2 < PDI-804-2</div>																				
<div>300 Area</div> <div>PDI-870-2 PDI-853-2 PDI-854-2</div> <div>PDI-870-2 < PDI-853-2 < PDI-854-2</div>																				
<div>400 Area</div> <div>PDI-864-2 PDI-852-2 PDI-854-2</div> <div>PDI-864-2 < PDI-852-2 < PDI-854-2</div>																				
		Completion Time		<div>0731</div> <div>1930</div> <div>0726</div> <div>1923</div> <div>0736</div> <div>1951</div> <div>0735</div> <div>1933</div> <div>0726</div> <div>1920</div> <div>1911</div> <div>1922</div> <div>1923</div> <div>1928</div>																

Note: ¹ Mode 2 acceptance criteria is < 0.00 in. wc
 Note: ² SRs 4.1.2.x only apply during mode 2 in accordance with LCO 3.1.2.

Completed by: Donna Date: 5/24/15 Time: 1928

Reviewed by: [Signature]

Date: 5/24/15 Time: 1240

On-duty Supervisor

Comments:

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

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).

SR	Description / Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (percentage)													
			Date:	Weekday:	Initials:											
			5/18/15	Mon.	5-19-15	Tue.	5/20/15	Wed.	5/21/15	Thu.	5-22-15	Fri.	5-23-15	Sat.	5/24/15	Sun.
4.4.1.1	Flammable Gas Channel Check	NA														
	DET-305-3 (LCD Reading)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
	CP-305-H (LED Reading)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
	(DET-305-3) - (CP-305H) (LCD Reading) (LED Reading)	Record Calculated Value	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
		≥ -0.1 ; $\leq +0.1$	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:		0810	0835	0800	0810	0810	0722	0752	0811						

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side)(UET)

(Page 2 of 4)

SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
				Date:	Weekday:	Initials:				
				5/18/15	5-19-15	5/20/15	5/21/15	5-22-15	5-23-15	5/24/15
				Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
				<i>JS</i>	<i>PT</i>	<i>JS</i>	<i>JS</i>	<i>PT</i>	<i>PT</i>	<i>JS</i>
4.1.3.4	South basement supply filter plenum (IIVP-841) AP	¹ PDI-894-1	≤2.0 & > 0 ¹ in. wc	.07	.08	.08	.07	.07	.07	.08
		PDI-894-2	≤2.0 & > 0 ¹ in. wc	.55	.55	.55	.55	.58	.58	.56
4.1.3.4	South Corridor supply (IIVP-810) AP	¹ PDI-895-1	≤2.0 & > 0 ¹ in. wc	.10	.10	.10	.10	.10	.10	.10
		PDI-895-2	≤2.0 & > 0 ¹ in. wc	.58	.59	.59	.58	.55	.55	.56
4.1.3.4	300 area glovebox exhaust filter plenum (FF854) AP	¹ PDI-817-1	≤2.0 & > 0 ¹ in. wc	.57BY	.57BY	.57BY	.31	.31	.32	.32
		PDI-817-2	≤2.0 & > 0 ¹ in. wc	.51BY	.57BY	.57BY	.34	.35	.35	.32
		PDI-817-4	≤2.0 & > 0 ¹ in. wc	.57BY	.57BY	.57BY	.35	.35	.35	.37
		PDI-817-5	≤2.0 & > 0 ¹ in. wc	.57BY	.57BY	.57BY	.31	.31	.31	.32
4.1.3.4	300 area special recovery glovebox exhaust filter plenum (FF858) AP	PDI-819-1	≤2.0 & > 0 ¹ in. wc	.57BY	.57BY	.57BY	.41	.41	.41	.41
		PDI-819-3	≤2.0 & > 0 ¹ in. wc	.57BY	.57BY	.57BY	.41	.41	.41	.41
		PDI-819-4	≤2.0 & > 0 ¹ in. wc	.57BY	.57BY	.57BY	.34	.34	.34	.35
4.1.3.4	300 area glovebox exhaust filter plenum (FF855) AP	¹ PDI-818-1	≤2.0 & > 0 ¹ in. wc	.28	.28	.28	.57BY	.57BY	.57BY	.57BY
		PDI-818-2	≤2.0 & > 0 ¹ in. wc	.35	.32	.35	.57BY	.57BY	.57BY	.57BY
		PDI-818-4	≤2.0 & > 0 ¹ in. wc	.34	.32	.33	.57BY	.57BY	.57BY	.57BY
		PDI-818-5	≤2.0 & > 0 ¹ in. wc	.30	.30	.30	.57BY	.57BY	.57BY	.57BY
4.1.3.4	300 area special recovery glovebox exhaust filter plenum (FF859) AP	PDI-821-1	≤2.0 & > 0 ¹ in. wc	.40	.40	.40	.57BY	.57BY	.57BY	.57BY
		PDI-821-3	≤2.0 & > 0 ¹ in. wc	.43	.44	.43	.57BY	.57BY	.57BY	.57BY
		PDI-821-4	≤2.0 & > 0 ¹ in. wc	.40	.40	.40	.57BY	.57BY	.57BY	.57BY

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 3 of 4)

SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
				Date:	Weekday:	Initials:				
4.1.3.4	400 area glovebox exhaust filter plenum (FF856) AP	PDI-822-1	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$	.76	.76	.76	STBY	STBY	STBY	STBY
		PDI-822-2	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$	.50	.50	.50	STBY	STBY	STBY	STBY
		PDI-822-4	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$	.42	.41	.42	STBY	STBY	STBY	STBY
		PDI-822-5	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$	.45	.45	.45	STBY	STBY	STBY	STBY
		PDI-823-1	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$	STBY	STBY	STBY	.10	.10	.10	.10
4.1.3.4	400 area glovebox exhaust filter plenum (FF857) AP	PDI-823-2	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$	STBY	STBY	STBY	.43	.45	.45	.43
		PDI-823-4	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$	STBY	STBY	STBY	.48	.48	.48	.49
		PDI-823-5	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$	STBY	STBY	STBY	.49	.49	.49	.49
		PDI-830-1	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$	.69	.69	.69	.69	.70	.70	.70
		PDI-830-2	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$	.30	.30	.30	.30	.30	.30	.30
4.1.1.7	300 area re-circulation filter plenum (HVP-805) AP	PDI-830-3	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$	.28	.28	.28	.28	.28	.28	.28
		PDI-836-1	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$	.98	.98	.98	.98	.98	.98	.97
		PDI-836-2	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$	.56	.58	.56	.56	.56	.58	.57
		PDI-836-3	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$	.52	.52	.52	.52	.52	.52	.52
		PDI-837-1	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$	.51	.51	.51	.51	.51	.51	.50
	300 area re-circulation filter plenum (HVP-806) AP	PDI-837-2	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$	.41	.41	.41	.41	.41	.41	.40
		PDI-837-3	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$.39	.39	.39	.39	.39	.39	.39

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

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SRS	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
				Date:	Weekday:	Initials:				
				5/18/15	5-19-15	5/20/15	5/21/15	5-22-15	5-23-15	5/24/15
				Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
				PT	PT	PT	PT	PT	PT	PT
4.1.1.7	400 area re-circulation filter plenum (HVP-807) AP	'PDI-838-1	≤2.0 & > 0 ¹ in. wc	.47	.47	.47	.47	.48	.48	.46
		PDI-838-2	≤2.0 & > 0 ¹ in. wc	.55	.55	.55	.55	.55	.55	.55
		PDI-838-3	≤2.0 & > 0 ¹ in. wc	.51	.51	.51	.51	.51	.51	.50
		'PDI-839-1	≤2.0 & > 0 ¹ in. wc	.44	.44	.44	.44	.44	.44	.44
	400 area re-circulation filter plenum (HVP-808) AP	PDI-839-2	≤2.0 & > 0 ¹ in. wc	.58	.58	.58	.58	.58	.58	.58
		PDI-839-3	≤2.0 & > 0 ¹ in. wc	.52	.52	.52	.52	.52	.52	.54
		'PDI-810-1	≤2.0 & > 0 ¹ in. wc	.12	.14	.14	.14	.15	.15	.15
		PDI-810-2	≤2.0 & > 0 ¹ in. wc	.43	.44	.44	.44	.46	.46	.47
4.1.3.4	South Bleed off filter plenum (FF-822A) AP	PDI-810-3	≤2.0 & > 0 ¹ in. wc	.42	.42	.42	.42	.43	.43	.45
		'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
4.1.3.4	South Bleed off filter plenum (FF-822B) AP		Completion Time	.0831	.0907	.0852	.088	.0751	.0745	.0802
OC Operator Review and Page Count Complete (initials)										

Non TSR requirement:

Note: SR 4.1.1.7 applies during mode 1 as stated in LCO 3.1.1. SRs 4.1.3.X apply during mode 1 and mode 2 as stated in LCO 3.1.3.

Completed by: [Signature] Date 5/24/15 Time 0802 Reviewed by: [Signature] Date 5/24/15 Time 1700

Comments [Signature] On-duty Supervisor

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 2 of 4)

SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
				Date:	Weekday:	Initials:				
				5/18/2015	5/19/2015	5/20/15	5/21/2015	5/22/2015	5-23-15	5/24/15
				Mon.	Tue.	Wed.	Thur.	Fri.	Sat.	Sun.
				BF	BF	PM	BF	BF	PT	du
4.1.3.4	North Basement exhaust filter plenum (FF-828) AP	PDI-829-1	≤ 2.0 & $> 0^1$ in. wc	.15	.15	.14	.14	.14	.15	.15
		PDI-829-2	≤ 2.0 & $> 0^1$ in. wc	.39	.39	.39	.38	.38	.38	.37
		PDI-829-3	≤ 2.0 & $> 0^1$ in. wc	.30	.30	.30	.29	.29	.30	.29
		PDI-833-1	≤ 2.0 & $> 0^1$ in. wc	>1.0	>1.0	21.0	>1.0	>1.0	>1.0	>1.0
4.1.1.7	100 area re-circulation filter plenum (HVP-803) AP	PDI-833-2	≤ 2.0 & $> 0^1$ in. wc	.47	.47	.46	.48	.48	.48	.45
		PDI-833-3	≤ 2.0 & $> 0^1$ in. wc	.45	.45	.45	.45	.45	.44	.45
		PDI-835-1	≤ 2.0 & $> 0^1$ in. wc	.16	.16	.16	.16	.16	.16	.16
		PDI-835-2	≤ 2.0 & $> 0^1$ in. wc	.47	.47	.46	.47	.47	.47	.46
4.1.3.4	100 area re-circulation filter plenum (HVP-804) AP	PDI-835-3	≤ 2.0 & $> 0^1$ in. wc	.42	.42	.42	.45	.44	.43	.44
		PDI-815-1	≤ 2.0 & $> 0^1$ in. wc	.20	.20	.20	STBY	STBY	STBY	STBY
		PDI-815-2	≤ 2.0 & $> 0^1$ in. wc	.42	.43	.42	STBY	STBY	STBY	STBY
		PDI-815-4	≤ 2.0 & $> 0^1$ in. wc	.35	.36	.35	STBY	STBY	STBY	STBY
4.1.3.4	100 area glovebox exhaust filter plenum (FF852) AP	PDI-815-5	≤ 2.0 & $> 0^1$ in. wc	.40	.40	.40	STBY	STBY	STBY	STBY
		PDI-816-1	≤ 2.0 & $> 0^1$ in. wc	STBY	STBY	STBY	.40	.39	.39	.38
		PDI-816-2	≤ 2.0 & $> 0^1$ in. wc	STBY	STBY	STBY	.44	.45	.45	.42
		PDI-816-4	≤ 2.0 & $> 0^1$ in. wc	STBY	STBY	STBY	.46	.46	.42	.42
4.1.3.4	100 area glovebox exhaust filter plenum (FF853) AP	PDI-816-5	≤ 2.0 & $> 0^1$ in. wc	STBY	STBY	STBY	.46	.46	.45	.45

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 4 of 4)

SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS							
				Date:	5/18/2015	5/19/2015	5/20/15	5/21/2015	5/22/2015	5-23-15	5/24/15
				Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
			Initials:	BF	BF	BF	BF	BF	PT	PT	PT
4.1.3.4	North Basement supply filter plenum (11VP-840) ΔP	'PDI-857-1	≤ 2.0 & > 0' in. wc	.08	.08	.15	.12	.14	.14	.15	
		PDI-857-2	≤ 2.0 & > 0' in. wc	.50	.50	.50	.50	.49	.49	.49	
4.1.3.4	North corridor supply filter plenum (11VP-809) ΔP	'PDI-856-1	≤ 2.0 & > 0' in. wc	.10	.10	.10	.10	.10	.10	.10	
		PDI-856-2	≤ 2.0 & > 0' in. wc	.50	.50	.50	.54	.52	.52	.52	
1NA	Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C		0 lb/ft ³ combustibles in designated exclusion area (within 15 feet of fans)	SAT	SAT	SAT	SAT	SAT	SAT	SAT	
4.3.2.2	Rooms 201, 204, 206, & 207		0 lb/ft ³ 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				0827	0915	0840	0830	0842	0758	0816	
OC Operator Review and Page Count Complete (initials)				OC	OC	OC	OC	OC	OC	OC	

Non TSR requirement

Note: SR 4.1.3.4 applies during mode 1 and mode 2.

Completed by: [Signature] Date 5/24/15 Time 0816Reviewed by: [Signature]Date: 5/24/15 Time: 1200

Comments:

On-duty Supervisor [Signature]

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

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Note Gauge readings should be taken on rack #4 in the OC, whenever possible. Document if alternate PDIs are used.		Date:																		
		Weekday:																		
		Shift:		Shift:		Shift:		Shift:		Shift:		Shift:		Shift:						
		Initials:	Initials:	Initials:	Initials:	Initials:	Initials:	Initials:	Initials:	Initials:	Initials:	Initials:	Initials:	Initials:	Initials:					
SRS	Description	Gauge Acceptance Criteria		SURVEILLANCE RESULTS (in. wc)																
4.1.1.1 4.1.2.1 ²	200 area glovebox exhaust header AP	PDI-814-1 or PDI-814-2	≤ -1.0 in. wc ¹	-2.02	-2.05	-2.01	-2.03	-2.04	-2.03	-2.04	-2.04	-2.06	-2.01	-1.98	-1.96	-1.98	-1.96	-1.96	-1.96	-1.97
	100 area glovebox exhaust header AP	PDI-820-1 or PDI-820-2	≤ -1.0 in. wc ¹	-1.91	-1.94	-1.51	-1.93	-1.91	-1.92	-1.91	-1.92	-1.92	-1.92	-1.92	-1.91	-1.92	-1.91	-1.92	-1.91	-1.92
	300 area glovebox exhaust header AP	PDI-870-1 or PDI-870-2	≤ -1.0 in. wc ¹	-1.98	-1.94	-1.97	-1.94	-1.98	-1.99	-1.99	-1.99	-1.98	-1.98	-1.98	-1.98	-1.98	-1.98	-1.98	-1.98	-1.98
	400 area glovebox exhaust header AP	PDI-864-1 or PDI-864-2	≤ -1.0 in. wc ¹	-1.97	-1.96	-1.97	-1.94	-1.96	-1.97	-1.95	-1.97	-1.97	-1.97	-1.97	-1.97	-1.97	-1.97	-1.97	-1.97	-1.97
4.1.1.2 4.1.1.5 4.1.2.2 ²	200 area laboratory header AP	PDI-803-1 or PDI-803-2	≤ -0.05 in. wc ¹	-1.19	-1.20	-1.18	-1.20	-1.18	-1.19	-1.19	-1.19	-1.19	-1.19	-1.19	-1.19	-1.19	-1.19	-1.19	-1.19	-1.18
	100 area laboratory header AP	PDI-802-1 or PDI-802-2	≤ -0.05 in. wc ¹	-1.21	-1.22	-1.21	-1.23	-1.21	-1.21	-1.22	-1.21	-1.21	-1.21	-1.21	-1.21	-1.21	-1.21	-1.21	-1.21	-1.21
	300 area laboratory header AP	PDI-853-1 or PDI-853-2	≤ -0.05 in. wc ¹	-1.19	-1.20	-1.19	-1.21	-1.19	-1.20	-1.19	-1.19	-1.19	-1.20	-1.20	-1.20	-1.20	-1.20	-1.20	-1.20	-1.20
	400 area laboratory header AP	PDI-852-1 or PDI-852-2	≤ -0.05 in. wc ¹	-1.20	-1.20	-1.21	-1.21	-1.19	-1.20	-1.20	-1.20	-1.20	-1.20	-1.20	-1.20	-1.20	-1.20	-1.20	-1.20	-1.21
4.1.1.3 4.1.2.3 ²	IFT Facility AP	PDI-865-4 or PDI-865-5	≤ -0.05 in. wc	-1.19	-1.18	-1.19	-1.19	-1.19	-1.19	-1.19	-1.19	-1.19	-1.19	-1.19	-1.19	-1.19	-1.19	-1.19	-1.19	-1.19
	North basement AP	PDI-804-1 or PDI-804-2	< 0.00 in. wc	-0.09	-0.09	-0.09	-0.10	-0.09	-0.10	-0.09	-0.10	-0.09	-0.10	-0.09	-0.10	-0.09	-0.10	-0.09	-0.10	-0.10
	South basement AP	PDI-854-1 or PDI-854-2	< 0.00 in. wc	-0.08	-0.08	-0.08	-0.09	-0.08	-0.09	-0.08	-0.09	-0.08	-0.09	-0.09	-0.09	-0.09	-0.09	-0.09	-0.09	-0.10
	IRT Tunnel AP	PDI-901 or PDI-901	< 0.00 in. wc	-0.02	-0.02	-0.04	-0.04	-0.05	-0.04	-0.05	-0.05	-0.05	-0.07	-0.07	-0.08	-0.08	-0.08	-0.08	-0.08	-0.09

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

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SRS		Description	Area	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS															
						Sat. / Unsat. (circle one)															
						Date:		Weekday:		Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.
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.						Shift:		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM		
Initials:						R	U	R	U	R	U	R	U	R	U	R	U	R	U		
4.1.1.4	Glovebox exhaust header APs < laboratory APs < basement APs 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	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	
		100 Area	PDI-820-2 PDI-802-2 PDI-804-2	PDI-820-2 < PDI-802-2 < PDI-804-2	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	
		300 Area	PDI-870-2 PDI-853-2 PDI-854-2	PDI-870-2 < PDI-853-2 < PDI-854-2	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	
		400 Area	PDI-864-2 PDI-852-2 PDI-854-2	PDI-864-2 < PDI-852-2 < PDI-854-2	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	Unsat	Sat	
		Completion Time		0730 1932 0730 1933 0730 1933 0730 1933 0730 1933 0730 1933 0730 1932 0730 1935																	

Note: ¹ Mode 2 acceptance criteria is < 0.00 in. wc
 Note: ² SRs 4.1.2.x only apply during mode 2 in accordance with LCO 3.1.2.

Completed by: [Signature] Date 5/31/15 Time 1925

Reviewed by: [Signature]

Date: 6/1/15 Time: 0635

Comments: _____

Off-duty Supervisor

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

SR 4.4.1.1, The OPERABILITY acceptance criterion for this surveillance is:

The FLAMMABLE GAS detector in the STF 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:	5/25/15	5/26/15	5-27-15	5/28/2015	5/29/15	5/30/2015	5-31-15
	Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
	Initials:	BOO	Jue	PT	BF	AL	BF	PT
SURVEILLANCE RESULTS (percentage)								
SR 4.4.1.1	Description / Gauge Flammable Gas Channel Check DET-305-3 (LCD Reading)	Acceptance Criteria						
		NA						
	CP-305-H (LED Reading)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	(DET-305-3) - (CP-305H) (LCD Reading) (LED Reading)	Record Calculated Value ≥ -0.1 ; $\leq +0.1$	0.0	0.0	0.0	0.0	0.0	0.0
		Completion Time:	0800	0754	0800	0818	0809	0750
								0759

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 2 of 4)

SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
				Date:	Weekday:	Initials:				
4.1.3.4	South basement supply filter plenum (HVP-841) AP	PDI-894-1	≤ 2.0 & $> 0^1$ in. wc	5/25/15	Mon.	MWA	5/26/15	Tue.	5/27/15	Wed.
				5/28/15	Thu.	BC	5/29/15	Fri.	5/30/2015	Sat.
				5/31/15	Sun.	PT				
4.1.3.4	South Corridor supply (HVP-810) AP	PDI-895-2	≤ 2.0 & $> 0^1$ in. wc	5/25/15	Mon.	MWA	5/26/15	Tue.	5/27/15	Wed.
				5/28/15	Thu.	BC	5/29/15	Fri.	5/30/2015	Sat.
				5/31/15	Sun.	PT				
4.1.3.4	300 area glovebox exhaust filter plenum (FF854) AP	PDI-817-1	≤ 2.0 & $> 0^1$ in. wc	5/25/15	Mon.	MWA	5/26/15	Tue.	5/27/15	Wed.
				5/28/15	Thu.	BC	5/29/15	Fri.	5/30/2015	Sat.
				5/31/15	Sun.	PT				
4.1.3.4	300 area special recovery glovebox exhaust filter plenum (FF858) AP	PDI-817-2	≤ 2.0 & $> 0^1$ in. wc	5/25/15	Mon.	MWA	5/26/15	Tue.	5/27/15	Wed.
				5/28/15	Thu.	BC	5/29/15	Fri.	5/30/2015	Sat.
				5/31/15	Sun.	PT				
4.1.3.4	300 area glovebox exhaust filter plenum (FF855) AP	PDI-817-4	≤ 2.0 & $> 0^1$ in. wc	5/25/15	Mon.	MWA	5/26/15	Tue.	5/27/15	Wed.
				5/28/15	Thu.	BC	5/29/15	Fri.	5/30/2015	Sat.
				5/31/15	Sun.	PT				
4.1.3.4	300 area special recovery glovebox exhaust filter plenum (FF859) AP	PDI-821-4	≤ 2.0 & $> 0^1$ in. wc	5/25/15	Mon.	MWA	5/26/15	Tue.	5/27/15	Wed.
				5/28/15	Thu.	BC	5/29/15	Fri.	5/30/2015	Sat.
				5/31/15	Sun.	PT				

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 3 of 4)

SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
				Date:	Weekday:	Initials:				
				5/25/15	5/26/15	5/27-15	5/28/2015	5/29/15	5/30/2015	5-31-15
				Mon.	Tue.	Wed.	Thur.	Fri.	Sat.	Sun.
				WWT	4m	PT	BF	4m	BF	PT
4.1.3.4	400 area glovebox exhaust filter plenum (FF856) AP	PDI-822-1	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$	Stby	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-822-2	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$	Stby	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-822-4	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$	Stby	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-822-5	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$	Stby	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4	400 area glovebox exhaust filter plenum (FF857) AP	PDI-823-1	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$	01	.09	.10	.10	.16	.10	.10
		PDI-823-2	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$	.43	.42	.43	.45	.45	.45	.43
		PDI-823-4	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$	.48	.48	.49	.49	.48	.49	.49
		PDI-823-5	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$	.50	.50	.50	.50	.50	.50	.50
4.1.3.4	South Basement exhaust filter plenum (FF-829) AP	PDI-830-1	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$	.70	.69	.70	.70	.69	.70	.69
		PDI-830-2	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$	.31	.31	.30	.30	.31	.31	.31
		PDI-830-3	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$	.78	.28	.28	.28	.28	.28	.28
		PDI-836-1	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$	.46	.98	.98	.98	.98	.98	.98
4.1.1.7	300 area re-circulation filter plenum (HVP-805) AP	PDI-836-2	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$	.56	.56	.58	.58	.56	.57	.58
		PDI-836-3	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$	.53	.53	.53	.55	.53	.53	.53
		PDI-837-1	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$	.45	.50	.51	.51	.51	.51	.51
		PDI-837-2	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$	.41	.41	.41	.41	.41	.42	.41
4.1.1.7	300 area re-circulation filter plenum (HVP-806) AP	PDI-837-3	$\leq 2.0 \text{ \& } > 0^1 \text{ in. wc}$	.47	.39	.39	.39	.39	.39	.39

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 4 of 4)

SRS	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)									
				Date:		Weekday:		Initials:					
4.1.1.7	400 area re-circulation filter plenum (HVP-807) AP	PDI-838-1	$\leq 2.0 \& > 0^1$ in. wc	46	.48	.48	.48	.48	.48	.48	.48	.48	.48
		PDI-838-2	$\leq 2.0 \& > 0^1$ in. wc	44	.55	.55	.57	.57	.55	.55	.56	.57	
		PDI-838-3	$\leq 2.0 \& > 0^1$ in. wc	53	.53	.51	.51	.51	.51	.51	.51	.51	
4.1.3.4	South Bleed off filter plenum (FF-822A) AP	PDI-839-1	$\leq 2.0 \& > 0^1$ in. wc	44	.44	.44	.44	.44	.44	.44	.44	.44	
		PDI-839-2	$\leq 2.0 \& > 0^1$ in. wc	58	.58	.58	.58	.58	.58	.58	.58	.59	
		PDI-839-3	$\leq 2.0 \& > 0^1$ in. wc	50	.51	.54	.55	.55	.55	.55	.55	.55	
4.1.3.4	South Bleed off filter plenum (FF-822A) AP	PDI-810-1	$\leq 2.0 \& > 0^1$ in. wc	15	.15	.15	.15	.16	.15	.15	.16	.15	
		PDI-810-2	$\leq 2.0 \& > 0^1$ in. wc	.55	.45	.48	.49	.49	.49	.49	.49	.49	
		PDI-810-3	$\leq 2.0 \& > 0^1$ in. wc	54	.54	.44	.47	.48	.48	.48	.48	.48	
4.1.3.4	South Bleed off filter plenum (FF-822B) AP	PDI-811-1	$\leq 2.0 \& > 0^1$ in. wc	off	off	off	off	off	off	off	off	off	
		PDI-811-2	$\leq 2.0 \& > 0^1$ in. wc	off	off	off	off	off	off	off	off	off	
		PDI-811-3	$\leq 2.0 \& > 0^1$ in. wc	off	off	off	off	off	off	off	off	off	
Completion Time				0630	0812	0821	0850	0840	0750	0749			
OC Operator Review and Page Count Complete (initials)				000	000	000	000	000	000	000	000		

Non TSR requirement:

Note: SR 4.1.1.7 applies during mode 1 as stated in LCO 3.1.1. SRs 4.1.3.X apply during mode 1 and mode 2 as stated in LCO 3.1.3.

Completed by: Paul Trevillo Date 5/31/15 Time 0749 Reviewed by:

On-duty Supervisor

Date: 5/31/15 Time: 0635

Comments

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 2 of 4)

SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
				Date:	Weekday:	Initials:				
				5/25/15	5/26/2015	5/27/2015	5/28/2015	5/29/15	5-30-15	5-31-15
				Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
					Bf	Bf	Bf	AK	PT	PT
4.1.3.4	North Basement exhaust filter plenum (FF-828) AP	¹ PDI-829-1 PDI-829-2 PDI-829-3	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$ $\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$ $\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$	.15 .38 .30	.15 .38 .30	.15 .39 .30	.15 .38 .30	.14 .37 .30	.14 .38 .30	.15 .38 .30
4.1.1.7	100 area re-circulation filter plenum (HIVP-803) AP	¹ PDI-833-1 PDI-833-2 PDI-833-3	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$ $\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$ $\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$	>1.0 .48 .45	>1.0 .48 .45	>1.0 .47 .45	>1.0 .46 .45	71.6 .47 .45	>1.0 .48 .45	>1.0 .48 .45
	100 area re-circulation filter plenum (HIVP-804) AP	¹ PDI-835-1 PDI-835-2 PDI-835-3	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$ $\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$ $\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$	.16 .48 .42	.16 .48 .45	.16 .47 .44	.16 .48 .45	.16 .46 .44	.16 .47 .43	.16 .48 .42
4.1.3.4	100 area glovebox exhaust filter plenum (FF852) AP	¹ PDI-815-1 PDI-815-2 PDI-815-4 PDI-815-5	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$ $\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$ $\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$ $\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$	.38 .38 .38 .38	.38 .38 .38 .38	.40 .39 .39 .39	.39 .39 .39 .39	.39 .39 .39 .39	.39 .39 .39 .39	.38 .38 .38 .38
4.1.3.4	100 area glovebox exhaust filter plenum (FF853) AP	¹ PDI-816-1 PDI-816-2 PDI-816-4 PDI-816-5	$\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$ $\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$ $\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$ $\leq 2.0 \text{ \> } 0^1 \text{ in. wc}$	.42 .44 .42 .45	.44 .44 .44 .45	.44 .44 .45 .45	.44 .44 .45 .45	.43 .43 .45 .45	.43 .43 .43 .45	.42 .42 .42 .45

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 4 of 4)

SRS	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS						
				Date: 5/25/15 Mon.	5/26/2015 Tue.	5/27/2015 Wed.	5/28/2015 Thu.	5/29/15 Fri.	5-30-15 Sat.	5-31-15 Sun.
4.1.3.4	North Basement supply filter plenum (11VP-840) AP	1PDI-857-1	$\leq 2.0 \text{ } \& \text{ } > 0' \text{ m wc}$	0.15	0.15	0.15	0.15	0.15	0.15	0.15
		PDI-857-2	$\leq 2.0 \text{ } \& \text{ } > 0' \text{ m wc}$	0.50	0.50	0.50	0.50	0.50	0.49	0.49
4.1.3.4	North corridor supply filter plenum (11VP-809) AP	1PDI-856-1	$\leq 2.0 \text{ } \& \text{ } > 0' \text{ m wc}$	0.10	0.10	0.10	0.15	0.12	0.16	0.12
		PDI-856-2	$\leq 2.0 \text{ } \& \text{ } > 0' \text{ m wc}$	0.55	0.55	0.55	0.58	0.58	0.58	0.57
1NA	Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C		0 lb/ft ³ combustibles in designated exclusion area (within 15 feet of fans)	SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2	Rooms 201, 204, 206, & 207		0 lb/ft ³ 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
OC Operator Review and Page Count Complete (Initials)				0830	0820	0815	0850	0824	0757	0808
Completion time				0830	0820	0815	0850	0824	0757	0808
1 Non TSR requirement				0830	0820	0815	0850	0824	0757	0808

Note: SR 4.1.3.4 applies during mode 1 and mode 2.

Completed by: Paul Engle Date 5-31-15 Time 0808 Reviewed by: [Signature]

On-duty Supervisor

Date: 6/1/15 Time: 0835

Comments: * 0800 to surface look at the way room 201 around test & room 206 by GB 270 are marked.

4.3.2.2 5/29/15 1735 cone, cart, plastic moved away from relocated shieldings not on glovebox line, was on GB251.

ATTACHMENT D-2: Monthly Surveillance Rounds (CAS) (Operations Center) [UET]

(Page 1 of 1)

SR	Description		Acceptance Criteria	Sat. / Unsat.	Initials
	Channel #	Location			
4.2.1.1	1	Rm. 201	> 1 mR/hr	(Sat) / Unsat.	JOS
	2	Rm. 106	> 1 mR/hr	(Sat) / Unsat.	JOS
	3	Rm. 305	> 1 mR/hr	(Sat) / Unsat.	JOS
	4	Rm. 401	> 1 mR/hr	(Sat) / Unsat.	JOS
	5	Rm. 206	> 1 mR/hr	(Sat) / Unsat.	JOS
	6	Rm. 114	> 1 mR/hr	(Sat) / Unsat.	JOS
	7	Rm. 319 W	> 1 mR/hr	(Sat) / Unsat.	JOS
	8	Rm. 409	> 1 mR/hr	(Sat) / Unsat.	JOS
	9	Rm. 208	> 1 mR/hr	(Sat) / Unsat.	JOS
	10	Rm. 124	> 1 mR/hr	(Sat) / Unsat.	JOS
	11	Rm. 319 E	> 1 mR/hr	(Sat) / Unsat.	JOS
	12	Rm. 420	> 1 mR/hr	(Sat) / Unsat.	JOS
	13	Rm. 209	> 1 mR/hr	(Sat) / Unsat.	JOS
	14	Rm. 126	> 1 mR/hr	(Sat) / Unsat.	JOS
	15	Rm. 327	> 1 mR/hr	(Sat) / Unsat.	JOS
	16	Rm. 429	> 1 mR/hr	(Sat) / Unsat.	JOS
	17	Vault 17	> 1 mR/hr	(Sat) / Unsat.	JOS
	18	Vault 18	> 1 mR/hr	(Sat) / Unsat.	JOS
	19	Vault 19	> 1 mR/hr	(Sat) / Unsat.	JOS
	20	Vault 20	> 1 mR/hr	(Sat) / Unsat.	JOS

Note: These readings **SHALL** be taken on the rate meters in rack RK-801-3 in the OC.

Completed by: [Signature] Date 5/1/15 Time 0118

Reviewed by: [Signature] Date 5/1/15 Time 0835
On-duty Supervisor

Comments:

ATTACHMENT D-1: Monthly Surveillance Rounds (Confinement Doors) [UET]

(Page 1 of 2)

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.	1246	5/7/15	mm
4.1.3.2	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.	1244	5/7/15	mm
4.1.3.2	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.	1333	5/7/15	mm
*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.	1347	5/7/15	mm
			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.	1348	5/7/15	mm
4.1.3.2	Confinement Door DR-102	Northwest	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. 4.7 Seconds	Sat / Unsat.	1343	5/7/15	mm

*Note: Monthly Inspection of DR-344 and DR-102 in accordance with compensatory measure(s) from: Request for Permanent Equivalency to OF 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

ATTACHMENT D-1: 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	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). 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. 7.0 Seconds	Sat/Unsat.	1435	5/7/15	nm
4.1.3.2	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.	1427	5/7/15	nm
4.1.3.2	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.	1417	5/7/15	nm
					1405	5/7/15	nm
OC Operator Review and Page Count Complete							

Note: SR 4.1.3.2 applies during mode 1 and 2.

Completed by: Wesley M. DayDate: 5-7-15 Time: 1450Reviewed by: [Signature]Date: 5/7/15 Time: 1446

On-duty Supervisor Comments:

June

Attachment B, Surveillance Training Checklist

(Page 1 of 2)

Procedure title:	SURVEILLANCE ROUNDS
Procedure no.:	TA55-STP-004 R17
Date of issue:	6/1/15
Working copy issued to:	PRICE
Working copy issued by:	PRICE
Certified Operations Center Operator	

Operations Center Operator Review

 Signature 7/1/15 Date

Required Reading for this Surveillance has been completed.

Training Checklist

Workers Performing Surveillance	Applicable Surveillance Training Current	
	Initials	Date
R BRISCOE	u	6/1/15
B CHANCE	u	
D DUNLAP	u	
J LOVATO	u	
R LUM	u	
A ORTIZ	u	
F SEYBERT	u	
J SMELTZ	u	
R PRICE	u	
A DWSEITH	u	

Comments:

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 1 of 3)

Note	Date:	6/1/15		6/2/15		6/3/15		6/4/15		6/5/15		6/6/15	
		Weekday:		Mon.		Tue.		Wed.		Thu.		Fri.	
		Shift:		AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
SRs	Description	Gauge	Acceptance Criteria	Initials:		Surveillance Results (in. wc)		Surveillance Results (in. wc)		Surveillance Results (in. wc)		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	[Signature]		1.00	1.98	1.96	2.01	1.99	2.02	1.98	2.00
	100 area glovebox exhaust header ΔP	PDI-820-1 or PDI-820-2	≤ -1.0 in. wc ¹	[Signature]		1.91	1.91	1.97	1.91	1.91	1.92	1.91	1.91
	300 area glovebox exhaust header ΔP	PDI-870-1 or PDI-870-2	≤ -1.0 in. wc ¹	[Signature]		1.90	1.98	1.97	1.98	1.97	1.98	1.98	1.98
	400 area glovebox exhaust header ΔP	PDI-864-1 or PDI-864-2	≤ -1.0 in. wc ¹	[Signature]		1.94	1.98	1.96	1.96	1.97	1.97	1.95	1.95
	200 area laboratory header ΔP	PDI-803-1 or PDI-803-2	≤ -0.05 in. wc ¹	[Signature]		0.10	1.19	0.19	0.19	0.19	0.19	0.19	0.19
4.1.1.2 4.1.1.5 4.1.2.2 ²	100 area laboratory header ΔP	PDI-802-1 or PDI-802-2	≤ -0.05 in. wc ¹	[Signature]		0.11	2.22	2.23	2.23	2.21	0.21	2.22	2.21
	300 area laboratory header ΔP	PDI-853-1 or PDI-853-2	≤ -0.05 in. wc ¹	[Signature]		0.17	2.20	0.20	2.20	2.20	0.21	2.20	2.20
	400 area laboratory header ΔP	PDI-852-1 or PDI-852-2	≤ -0.05 in. wc ¹	[Signature]		0.20	2.21	0.21	2.21	2.21	0.21	2.21	2.21
	IFT Facility ΔP	PDI-865-4 or PDI-865-5	≤ -0.05 in. wc	[Signature]		0.20	2.19	0.19	2.19	2.19	0.21	2.19	2.19
	North basement ΔP	PDI-804-1 or PDI-804-2	< 0.00 in. wc	[Signature]		0.10	2.10	0.10	2.10	2.10	0.10	2.10	2.10
4.1.1.3 4.1.2.3 ²	South basement ΔP	PDI-854-1 or PDI-854-2	< 0.00 in. wc	[Signature]		0.10	2.10	0.10	2.10	2.10	0.10	2.10	2.10
	IRT Tunnel ΔP	PDI-901 or PDI-901	< 0.00 in. wc	[Signature]		0.10	2.10	0.10	2.10	2.10	0.10	2.10	2.10

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 3 of 3)

Note		Date:	Weekday:		Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.	
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.			AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
4.1.1.4	Glovebox exhaust header APs < laboratory APs < basement APs for areas 100, 200, 300 and 400	Acceptance Criteria	SURVEILLANCE RESULTS															
		Gauge	Sat. / Unsat. (circle one)															
		Area																
		Description																
		PDI-814-2 < PDI-803-2 < PDI-804-2	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat
		PDI-820-2 < PDI-802-2 < PDI-804-2	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat
		PDI-870-2 < PDI-853-2 < PDI-854-2	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat
		PDI-864-2 < PDI-852-2 < PDI-854-2	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat
		Completion Time	0731	1931	0727	1928	0725	1922	0728	1924	0721	1928	0727	1926	0721	1923		

Note: ¹ Mode 2 acceptance criteria is < 0.00 in. wcNote: ² SRs 4.1.2.x only apply during mode 2 in accordance with LCO 3.1.2.Completed by: [Signature] Date: 6/15/15 Time: 1923Reviewed by: [Signature] Date: 6/15/15 Time: 1923

Comments:

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

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).

SR	Description / Gauge	Date:	6-1-15	6-2-15	6-3-15	6-4-2015	6-5-15	6/6/15	6/7/15
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	PT	PT	PT	BF	ph	ph	ph
		SURVEILLANCE RESULTS (percentage)							
4.4.1.1	Flammable Gas Channel Check	Acceptance Criteria							
	DET-305-3 (LCD Reading)	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CP-305-H (LED Reading)		0.0	0.0	0.0	0.0	0.0	0.0	0.0
	(DET-305-3) – (CP-305H) (LCD Reading) (LED Reading)	Record Calculated Value	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		≥ -0.1 ; $\leq +0.1$	Sat / Unsat.	Sat / Unsat.	Sat / Unsat.	Sat / Unsat.	Sat / Unsat.	Sat / Unsat.	Sat / Unsat.
		Completion Time:	0840	0742	0824	0800	0824	0810	0720

(Page 2 of 4)

SRs	Description	Gauge	Acceptance Criteria	Initials:	Date:							SURVEILLANCE RESULTS (in. wc)							
					Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
					6-1-15	6-2-15	6-3-15	6-4-2015	6-5-15	6-6-15	6-7-15								
					PT	PT	PT	PT	PT	PT	PT								
									</										

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

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		Date:	6.1-15	6-2-15	6-3-15	6/4/2015	6.5.15	6/6/15	6/7/15
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	PT	PT	PT	BF	ah	ah	ah
SRs	Description	Gauge	SURVEILLANCE RESULTS (in. wc)						
			Acceptance Criteria						
4.1.1.7	400 area re-circulation filter plenum (HVP-807) AP	'PDI-838-1	≤ 2.0 & $> 0^1$ in. wc	.49	.49	.49	.48	.48	.48
		PDI-838-2	≤ 2.0 & $> 0^1$ in. wc	.45	.55	.57	.55	.56	.55
		PDI-838-3	≤ 2.0 & $> 0^1$ in. wc	.51	.51	.51	.51	.50	.51
	400 area re-circulation filter plenum (HVP-808) AP	'PDI-839-1	≤ 2.0 & $> 0^1$ in. wc	.45	.45	.45	.44	.45	.44
		PDI-839-2	≤ 2.0 & $> 0^1$ in. wc	.59	.59	.59	.58	.59	.59
4.1.3.4	South Bleed off filter plenum (FF-822A) AP	PDI-839-3	≤ 2.0 & $> 0^1$ in. wc	.54	.54	.54	.53	.54	.53
		'PDI-810-1	≤ 2.0 & $> 0^1$ in. wc	.16	.16	.15	.16	.15	.14
		PDI-810-2	≤ 2.0 & $> 0^1$ in. wc	.49	.49	.49	.49	.48	.47
	South Bleed off filter plenum (FF-822B) AP	PDI-810-3	≤ 2.0 & $> 0^1$ in. wc	.49	.48	.48	.48	.45	.43
		'PDI-811-1	≤ 2.0 & $> 0^1$ in. wc	OFF	OFF	OFF	OFF	OFF	OFF
4.1.3.4	South Bleed off filter plenum (FF-822B) AP	PDI-811-2	≤ 2.0 & $> 0^1$ in. wc	OFF	OFF	OFF	OFF	OFF	OFF
		PDI-811-3	≤ 2.0 & $> 0^1$ in. wc	OFF	OFF	OFF	OFF	OFF	OFF
			Completion Time	0911	0810	0900	0835	0737	0840
			OC Operator Review and Page Count Complete (initials)	ah	ah	ah	ah	ah	ah

Non TSR requirement:

Note: SR 4.1.1.7 applies during mode 1 as stated in LCO 3.1.1. SRs 4.1.3.X apply during mode 1 and mode 2 as stated in LCO 3.1.3.

Completed by: Scot P. Date 6/2/15 Time 0200 Reviewed by: ah Date 6/8/15 Time 1200

On-duty Supervisor

Comments

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[illegible]

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[illegible]

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

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SRS	Description	Gauge	Acceptance Criteria	Date:	6/2/2015							SURVEILLANCE RESULTS (in. wc)
					6/1/2015	6/2/2015	6/3/2015	6/4/2015	6-5-15	6/6/15	6/7/15	
					Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	
4.1.3.4	200 area glovebox exhaust filter plenum (FF-850) ΔP	PDI-812-1	≤2.0 & > 0' in. wc	Initials:	BF	BF	BF	BF	BF	BF	BF	
				Acceptance Criteria	BF	BF	BF	BF	BF	BF	BF	
					STBY	STBY	STBY	STBY	STBY	STBY	STBY	
					STBY	STBY	STBY	STBY	STBY	STBY	STBY	
					STBY	STBY	STBY	STBY	STBY	STBY	STBY	
4.1.3.4	200 area glovebox exhaust filter plenum (FF-851) ΔP	PDI-812-2	≤2.0 & > 0' in. wc		STBY	STBY	STBY	STBY	STBY	STBY	STBY	
					STBY	STBY	STBY	STBY	STBY	STBY	STBY	
					STBY	STBY	STBY	STBY	STBY	STBY	STBY	
					STBY	STBY	STBY	STBY	STBY	STBY	STBY	
					STBY	STBY	STBY	STBY	STBY	STBY	STBY	
4.1.3.4	IFTT exhaust filter plenum (FF-865) ΔP	PDI-812-3	≤2.0 & > 0' in. wc		STBY	STBY	STBY	STBY	STBY	STBY	STBY	
					STBY	STBY	STBY	STBY	STBY	STBY	STBY	
					STBY	STBY	STBY	STBY	STBY	STBY	STBY	
					STBY	STBY	STBY	STBY	STBY	STBY	STBY	
					STBY	STBY	STBY	STBY	STBY	STBY	STBY	
4.1.3.4	IFTT supply filter plenum (HVP-863) ΔP	PDI-812-4	≤2.0 & > 0' in. wc		STBY	STBY	STBY	STBY	STBY	STBY	STBY	
					STBY	STBY	STBY	STBY	STBY	STBY	STBY	
					STBY	STBY	STBY	STBY	STBY	STBY	STBY	
					STBY	STBY	STBY	STBY	STBY	STBY	STBY	
					STBY	STBY	STBY	STBY	STBY	STBY	STBY	
4.1.3.4	IFTT exhaust filter plenum (FF-865) ΔP	PDI-812-5	≤2.0 & > 0' in. wc		STBY	STBY	STBY	STBY	STBY	STBY	STBY	
					STBY	STBY	STBY	STBY	STBY	STBY	STBY	
					STBY	STBY	STBY	STBY	STBY	STBY	STBY	
					STBY	STBY	STBY	STBY	STBY	STBY	STBY	
					STBY	STBY	STBY	STBY	STBY	STBY	STBY	
4.1.3.4	IFTT exhaust filter plenum (FF-865) ΔP	PDI-813-1	≤2.0 & > 0' in. wc		1.05	1.05	1.04	1.04	1.04	1.04	1.03	
					.30	.30	.31	.30	.30	.30	.30	
					.25	.26	.28	.28	.28	.28	.28	
					.31	.31	.31	.31	.31	.31	.30	
					.25	.25	.25	.25	.22	.22	.24	
4.1.3.4	IFTT exhaust filter plenum (FF-865) ΔP	PDI-813-2	≤2.0 & > 0' in. wc		.03	.02	.02	.03	.06	.04	.04	
					.35	.33	.32	.32	.32	.32	.34	
					.40	.39	.40	.40	.38	.40	.40	
					.08	.08	.08	.08	.06	.05	.05	
					.28	.28	.29	.29	.29	.28	.28	
4.1.3.4	IFTT exhaust filter plenum (FF-865) ΔP	PDI-813-3	≤2.0 & > 0' in. wc		.30	.30	.31	.30	.30	.30	.30	
					.25	.26	.28	.28	.28	.28	.28	
					.31	.31	.31	.31	.31	.31	.30	
					.25	.25	.25	.25	.22	.22	.24	
					.03	.02	.02	.03	.06	.04	.04	
4.1.3.4	IFTT exhaust filter plenum (FF-865) ΔP	PDI-813-4	≤2.0 & > 0' in. wc		.35	.33	.32	.32	.32	.32	.34	
					.40	.39	.40	.40	.38	.40	.40	
					.08	.08	.08	.08	.06	.05	.05	
					.28	.28	.29	.29	.29	.28	.28	
					.30	.30	.31	.30	.30	.30	.30	
4.1.3.4	IFTT exhaust filter plenum (FF-865) ΔP	PDI-813-5	≤2.0 & > 0' in. wc		.25	.25	.25	.25	.22	.22	.24	
					.03	.02	.02	.03	.06	.04	.04	
					.35	.33	.32	.32	.32	.32	.34	
					.40	.39	.40	.40	.38	.40	.40	
					.08	.08	.08	.08	.06	.05	.05	
4.1.3.4	IFTT supply filter plenum (HVP-863) ΔP	PDI-863-1	≤2.0 & > 0' in. wc		.08	.08	.08	.08	.06	.05	.05	
					.28	.28	.29	.29	.29	.28	.28	
					.30	.30	.31	.30	.30	.30	.30	
					.25	.26	.28	.28	.28	.28	.28	
					.31	.31	.31	.31	.31	.31	.30	
4.1.3.4	IFTT supply filter plenum (HVP-863) ΔP	PDI-863-2	≤2.0 & > 0' in. wc		.25	.25	.25	.25	.22	.22	.24	
					.03	.02	.02	.03	.06	.04	.04	
					.35	.33	.32	.32	.32	.32	.34	
					.40	.39	.40	.40	.38	.40	.40	
					.08	.08	.08	.08	.06	.05	.05	
4.1.3.4	IFTT supply filter plenum (HVP-863) ΔP	PDI-863-2	≤2.0 & > 0' in. wc		.28	.28	.29	.29	.29	.29	.28	
					.30	.30	.31	.30	.30	.30	.30	
					.25	.26	.28	.28	.28	.28	.28	
					.31	.31	.31	.31	.31	.31	.30	
					.25	.25	.25	.25	.22	.22	.24	

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

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SRs	Description	Gauge	Acceptance Criteria	Initials:	SURVEILLANCE RESULTS						
					Date:	6/1/2015	6/2/2015	6/3/2015	6/4/2015	6-5-15	6/6/15
					Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
						BF	BF	BF	BF	BF	BF
4.1.3.4	North Basement supply filter plenum (HVP-840) ΔP	PDI-857-1	≤ 2.0 & > 0' in. wc			.13	.13	.13	.13	.09	.08
		PDI-857-2	≤ 2.0 & > 0' in. wc			.48	.48	.48	.48	.45	.47
4.1.3.4	North corridor supply filter plenum (HVP-809) ΔP	PDI-856-1	≤ 2.0 & > 0' in. wc			.15	.14	.14	.14	.14	.12
		PDI-856-2	≤ 2.0 & > 0' in. wc			.57	.57	.58	.58	.58	.57
1NA	Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C		0 lb/ft ² combustibles in designated exclusion area (within 15 feet of fans)			SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2	Rooms 201, 204, 206, & 207		0 lb/ft ² 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						0900	10910	0900	0817	0510	0840
OC Operator Review and Page Count Complete (initials)											

1 Non TSR requirement

Note: SR 4.1.3.4 applies during mode 1 and mode 2.

Completed by: Sam M. Date 6/6/15 Time 0821 Reviewed by: [Signature] Date: 6/6/15 Time: 1200

On-duty Supervisor

Comments:

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[illegible]

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

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Note		Date:	6/8/15		6/9/15		6/10/15		6/11/15		6/12/15		6/13/15		6/14/15		
		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	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	
SRs	Description	Area	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS												
4.1.1.4	Glovebox exhaust header AP's < laboratory AP's < basement AP's 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	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	
		100 Area	PDI-820-2 PDI-802-2 PDI-804-2	PDI-820-2 < PDI-802-2 < PDI-804-2	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat
		300 Area	PDI-870-2 PDI-853-2 PDI-854-2	PDI-870-2 < PDI-853-2 < PDI-854-2	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat
		400 Area	PDI-864-2 PDI-852-2 PDI-854-2	PDI-864-2 < PDI-852-2 < PDI-854-2	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat
				Completion Time													
				0735 1930 0728 1930 0720 1925 0725 1930 0735 1930 0728 1930 0732 1930													

Note: ¹ Mode 2 acceptance criteria is < 0.00 in. wcNote: ² SRs 4.1.2.x only apply during mode 2 in accordance with LCO 3.1.2.Completed by: W Q Date: 6/14/15 Time: 1930Reviewed by: [Signature] Date: 6/15/15 Time: 0930

On duty Supervisor

Comments:

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

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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:	6/8/2015	6-9-15	6/10/2015	6-11-15	6/12/15	6-13-15	6-14-15
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	BF	WJ	BF	PT	gph	PT	PT
		Acceptance Criteria	SURVEILLANCE RESULTS (percentage)						
SR 4.4.1.1	Description / Gauge	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Flammable Gas Channel Check								
	DET-305-3 (LCD Reading)								
	CP-305-H (LED Reading)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	(DET-305-3) – (CP-305H)	Record Calculated Value	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	(LCD Reading) (LED Reading)		(Sat.) / Unsat.	(Sat.) / Unsat.	(Sat.) / Unsat.	(Sat.) / Unsat.	(Sat.) / Unsat.	(Sat.) / Unsat.	
	≥ -0.1; ≤ +0.1								
Completion Time:		0745	0748	0750	0810	0805	0809	0804	

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side)[UET]

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		Date:	6/8/2015	6-9-15	6/10/2015	6-11-15	6/12/15	6-13-15	6-14-15
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	BF	WJ	BF	PT	JK	PT	PT
SRs	Description	Gauge	SURVEILLANCE RESULTS (in. wc)						
4.1.3.4	South basement supply filter plenum (HVP-841) ΔP	'PDI-894-1	≤ 0.0 & > 0' in. wc	.10	.10	.10	.09	.10	.09
		PDI-894-2	≤ 0.0 & > 0' in. wc	.52	.55	.55	.54	.54	.54
4.1.3.4	South Corridor supply (HVP-810) ΔP	'PDI-895-1	≤ 2.0 & > 0' in. wc	.11	.11	.11	.11	.11	.11
		PDI-895-2	≤ 2.0 & > 0' in. wc	.61	.59	.59	.59	.59	.59
4.1.3.4	300 area glovebox exhaust filter plenum (FF854) ΔP	'PDI-817-1	≤ 2.0 & > 0' in. wc	.32	.31	STBY	STBY	STBY	STBY
		PDI-817-2	≤ 2.0 & > 0' in. wc	.34	.35	STBY	STBY	STBY	STBY
		PDI-817-4	≤ 2.0 & > 0' in. wc	.35	.35	STBY	STBY	STBY	STBY
		PDI-817-5	≤ 2.0 & > 0' in. wc	.33	.33	STBY	STBY	STBY	STBY
4.1.3.4	300 area special recovery glovebox exhaust filter plenum (FF858) ΔP	PDI-819-1	≤ 2.0 & > 0' in. wc	.40	.41	STBY	STBY	STBY	STBY
		PDI-819-3	≤ 2.0 & > 0' in. wc	.42	.42	STBY	STBY	STBY	STBY
		PDI-819-4	≤ 2.0 & > 0' in. wc	.45	.35	STBY	STBY	STBY	STBY
4.1.3.4	300 area glovebox exhaust filter plenum (FF855) ΔP	'PDI-818-1	≤ 2.0 & > 0' in. wc	STBY	STBY	.28	.28	.28	.28
		PDI-818-2	≤ 2.0 & > 0' in. wc	STBY	STBY	.35	.33	.33	.33
		PDI-818-4	≤ 2.0 & > 0' in. wc	STBY	STBY	.32	.32	.32	.32
		PDI-818-5	≤ 2.0 & > 0' in. wc	STBY	STBY	.30	.30	.30	.30
4.1.3.4	300 area special recovery glovebox exhaust filter plenum (FF859) ΔP	PDI-821-1	≤ 2.0 & > 0' in. wc	STBY	STBY	.40	.40	.40	.40
		PDI-821-3	≤ 2.0 & > 0' in. wc	STBY	STBY	.42	.43	.45	.44
		PDI-821-4	≤ 2.0 & > 0' in. wc	STBY	STBY	.39	.39	.39	.39

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

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SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
				Date:	6/8/2015	6-9-15	6/10/2015	6-11-15	6/12/15	6-13-15
				Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
				Initials:	BF	WJ	BR	PT	qm	PT
4.1.3.4	400 area glovebox exhaust filter plenum (FF856) AP	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
		PDI-823-1	≤ 2.0 & > 0.1 in. wc	.10	.10	.10	.10	.10	.10	.10
4.1.3.4	400 area glovebox exhaust filter plenum (FF857) AP	PDI-823-2	≤ 2.0 & > 0.1 in. wc	.59	.59	.59	.59	.59	.59	.59
		PDI-823-4	≤ 2.0 & > 0.1 in. wc	.62	.62	.62	.62	.61	.61	.61
		PDI-823-5	≤ 2.0 & > 0.1 in. wc	.63	.63	.63	.63	.63	.63	.62
4.1.3.4	South Basement exhaust filter plenum (FF-829) AP	PDI-830-1	≤ 2.0 & > 0.1 in. wc	.69	.69	.69	.69	.69	.69	.69
		PDI-830-2	≤ 2.0 & > 0.1 in. wc	.31	.31	.31	.31	.31	.31	.31
		PDI-830-3	≤ 2.0 & > 0.1 in. wc	.29	.29	.29	.29	.29	.28	.29
4.1.1.7	300 area re-circulation filter plenum (HVP-805) AP	PDI-836-1	≤ 2.0 & > 0.1 in. wc	.98	.98	.98	.98	.97	.98	.97
		PDI-836-2	≤ 2.0 & > 0.1 in. wc	.56	.56	.56	.56	.56	.56	.57
		PDI-836-3	≤ 2.0 & > 0.1 in. wc	.52	.52	.52	.54	.52	.53	.52
	300 area re-circulation filter plenum (HVP-806) AP	PDI-837-1	≤ 2.0 & > 0.1 in. wc	.51	.51	.51	.51	.51	.51	.51
		PDI-837-2	≤ 2.0 & > 0.1 in. wc	.42	.42	.42	.42	.41	.41	.41
		PDI-837-3	≤ 2.0 & > 0.1 in. wc	.40	.39	.39	.40	.39	.39	.39

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

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SRs			Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)												
					Description	6/8/2015				6-9-15		6/10/2015		6-11-15		6-12-15	
						Weekday:	Mon.	Initials:	BF	WJ	GF	PT	JH	PT	Sat.	Sun.	
4.1.1.7	400 area re-circulation filter plenum (HVP-807) AP	PDI-838-1	≤2.0 & > 0' in. wc	.49	.49	.49	.49	.49	.49	.49	.49	.49	.49	.49			
		PDI-838-2	≤2.0 & > 0' in. wc	.56	.56	.56	.56	.56	.56	.56	.56	.56	.56	.56			
		PDI-838-3	≤2.0 & > 0' in. wc	.51	.51	.51	.51	.51	.51	.51	.51	.51	.51	.51			
	400 area re-circulation filter plenum (HVP-808) AP	PDI-839-1	≤2.0 & > 0' in. wc	.45	.45	.45	.45	.45	.45	.45	.45	.45	.45	.45			
		PDI-839-2	≤2.0 & > 0' in. wc	.59	.59	.59	.59	.59	.59	.59	.59	.59	.59	.59			
4.1.3.4	South Bleed off filter plenum (FF-822A) AP	PDI-839-3	≤2.0 & > 0' in. wc	.55	.55	.55	.55	.55	.55	.55	.55	.55	.55	.55			
		PDI-810-1	≤2.0 & > 0' in. wc	.15	.15	.15	.15	.15	.15	.15	.15	.15	.15	.15			
		PDI-810-2	≤2.0 & > 0' in. wc	.58	.58	.58	.58	.58	.58	.58	.58	.58	.58	.58			
	South Bleed off filter plenum (FF-822B) AP	PDI-810-3	≤2.0 & > 0' in. wc	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48	.48			
		PDI-811-1	≤2.0 & > 0' in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF			
4.1.3.4	South Bleed off filter plenum (FF-822B) AP	PDI-811-2	≤2.0 & > 0' in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF			
		PDI-811-3	≤2.0 & > 0' in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF			
			Completion Time														
OC Operator Review and Page Count Complete (initials)			0820 0809 0815 0830 0840 0847 0853 0859 0905 0911 0917 0923 0929 0935														

Non TSR requirement:

Note: SR 4.1.1.7 applies during mode 1 as stated in LCO 3.1.1. SRs 4.1.3.X apply during mode 1 and mode 2 as stated in LCO 3.1.3.

Completed by: Paul Tawill Date 6-14-15 Time 0747 Reviewed by: [Signature] Date: 6/15/15 Time: 0930

On-duty Supervisor

Comments

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side)[UET]

(Page 1 of 4)

SRs	Description	Gauge	Acceptance Criteria	Initials:	SURVEILLANCE RESULTS (in. wc)							
					Date:	6/8/15	6/9/15	6/10/15	6/11/15	6/12/15	6-13-15	6-14-15
					Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
4.1.1.7	Vault re-circulation filter plenum (HVP-811) ΔP	PDI-840-1	≤2.0 & > 0' in. wc	gm	gm	gm	gm	gm	gm	gm	PT	PT
		PDI-840-2	≤2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-840-3	≤2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY
	Vault re-circulation filter plenum (HVP-812) ΔP	PDI-841-1	≤2.0 & > 0' in. wc	gm	gm	gm	gm	gm	gm	gm	gm	PT
		PDI-841-2	≤2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-841-3	≤2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY
	200 area re-circulation filter plenum (HVP-801) ΔP	PDI-831-1	≤2.0 & > 0' in. wc	gm	gm	gm	gm	gm	gm	gm	gm	PT
		PDI-831-2	≤2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-831-3	≤2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4	200 area re-circulation filter plenum (HVP-802) ΔP	PDI-832-1	≤2.0 & > 0' in. wc	gm	gm	gm	gm	gm	gm	gm	PT	PT
		PDI-832-2	≤2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-832-3	≤2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY
	North Bleed off filter plenum (FF-820A) ΔP	PDI-807-1	≤2.0 & > 0' in. wc	gm	gm	gm	gm	gm	gm	gm	gm	PT
		PDI-807-2	≤2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-807-3	≤2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY
	North Bleed off filter plenum (FF-820B) ΔP	PDI-809-1	≤2.0 & > 0' in. wc	gm	gm	gm	gm	gm	gm	gm	gm	PT
		PDI-809-2	≤2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-809-3	≤2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY	STBY

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		Date:	6/8/15	6/9/15	6/10/15	6/11/15	6/12/15	6-13-15	6-14-15
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	Jm	Jm	Jm	Jm	Jm	JT	JT
		Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
SRs	Description	Gauge							
4.1.3.4	North Basement exhaust filter plenum (FF-828) AP	'PDI-829-1	≤ 2.0 & $> 0^1$ in. wc	.12	.12	.12	.12	.12	.14
		PDI-829-2	≤ 2.0 & $> 0^1$ in. wc	.31	.30	.31	.30	.31	.32
		PDI-829-3	≤ 2.0 & $> 0^1$ in. wc	.25	.23	.23	.22	.24	.29
		'PDI-833-1	≤ 2.0 & $> 0^1$ in. wc	.71.0	.71.0	.71.0	.71.0	.71.0	.71.0
		PDI-833-2	≤ 2.0 & $> 0^1$ in. wc	.46	.46	.46	.46	.47	.48
4.1.1.7	100 area re-circulation filter plenum (HVP-803) AP	PDI-833-3	≤ 2.0 & $> 0^1$ in. wc	.44	.44	.44	.45	.44	.45
		'PDI-835-1	≤ 2.0 & $> 0^1$ in. wc	.16	.16	.16	.16	.16	.16
		PDI-835-2	≤ 2.0 & $> 0^1$ in. wc	.45	.45	.45	.45	.45	.45
		PDI-835-3	≤ 2.0 & $> 0^1$ in. wc	.42	.42	.42	.42	.42	.42
		'PDI-815-1	≤ 2.0 & $> 0^1$ in. wc	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4	100 area glovebox exhaust filter plenum (FF852) AP	PDI-815-2	≤ 2.0 & $> 0^1$ in. wc	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-815-4	≤ 2.0 & $> 0^1$ in. wc	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-815-5	≤ 2.0 & $> 0^1$ in. wc	STBY	STBY	STBY	STBY	STBY	STBY
		'PDI-816-1	≤ 2.0 & $> 0^1$ in. wc	.38	.38	.40	.40	.39	.39
		PDI-816-2	≤ 2.0 & $> 0^1$ in. wc	.42	.43	.46	.46	.46	.48
4.1.3.4	100 area glovebox exhaust filter plenum (FF853) AP	PDI-816-4	≤ 2.0 & $> 0^1$ in. wc	.45	.45	.45	.46	.45	.46
		PDI-816-5	≤ 2.0 & $> 0^1$ in. wc	.47	.46	.48	.48	.48	.48

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 3 of 4)

SRs	Description	Gauge	Acceptance Criteria	Initials:	Date:							SURVEILLANCE RESULTS						
					Weekday:							(in. wc)						
					Mon. Tue. Wed. Thu. Fri. Sat. Sun.													
4.1.3.4	200 area glovebox exhaust filter plenum (FF850) ΔP	PDI-812-1	≤ 2.0 & > 0' in. wc	AP	6/8/15	6/9/15	6/10/15	6/11/15	6/12/15	6-13-15	6-14-15							
		PDI-812-2	≤ 2.0 & > 0' in. wc									STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-812-3	≤ 2.0 & > 0' in. wc									STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-812-4	≤ 2.0 & > 0' in. wc									STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-812-5	≤ 2.0 & > 0' in. wc									STBY	STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4	200 area glovebox exhaust filter plenum (FF851) ΔP	PDI-813-1	≤ 2.0 & > 0' in. wc									STBY	STBY	STBY	STBY	STBY	STBY	STBY
		PDI-813-2	≤ 2.0 & > 0' in. wc									1.03	1.03	1.07	1.09	1.10	1.10	1.10
		PDI-813-3	≤ 2.0 & > 0' in. wc									.30	.30	.30	.31	.31	.31	.31
		PDI-813-4	≤ 2.0 & > 0' in. wc									.26	.26	.31	.30	.30	.30	.30
		PDI-813-5	≤ 2.0 & > 0' in. wc									.30	.31	.34	.32	.32	.32	.32
4.1.3.4	IFTT exhaust filter plenum (FF-865) ΔP	PDI-865-1	≤ 2.0 & > 0' in. wc									.24	.24	.24	.28	.28	.28	.28
		PDI-865-2	≤ 2.0 & > 0' in. wc									.04	.03	.03	.04	.04	.04	.04
		PDI-865-3	≤ 2.0 & > 0' in. wc									.42	.34	.35	.34	.34	.34	.34
4.1.3.4	IFTT supply filter plenum (IIVP-863) ΔP	PDI-863-1	≤ 2.0 & > 0' in. wc									.60	.40	.40	.41	.41	.41	.41
		PDI-863-2	≤ 2.0 & > 0' in. wc									.05	.06	.05	.06	.06	.06	.06
			≤ 2.0 & > 0' in. wc									.26	.26	.26	.26	.26	.26	.26

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 4 of 4)

SRs	Description	Gauge	Acceptance Criteria	Initials:	SURVEILLANCE RESULTS						
					Date:	Weekday:	6/8/15	6/9/15	6/10/15	6/11/15	6/12/15
							Mon.	Tue.	Wed.	Thu.	Fri.
4.1.3.4	North Basement supply filter plenum (HVP-840) ΔP	PDI-857-1	≤ 2.0 & > 0' in. wc								
		PDI-857-2	≤ 2.0 & > 0' in. wc								
4.1.3.4	North corridor supply filter plenum (HVP-809) ΔP	PDI-856-1	≤ 2.0 & > 0' in. wc								
		PDI-856-2	≤ 2.0 & > 0' in. wc								
1NA	Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C		0 lb/ft ³ combustibles in designated exclusion area (within 15 feet of fans)								
4.3.2.2	Rooms 201, 204, 206, & 207		0 lb/ft ³ 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								
OC Operator Review and Page Count Complete (initials)					Completion time						
1 Non TSR requirement											
Note: SR 4.1.3.4 applies during mode 1 and mode 2.											
Completed by: <u>Pavel Trejil</u> Date: <u>6-14-15</u> Time: <u>0909</u> Reviewed by: <u>[Signature]</u> Date: <u>6/15/15</u> Time: <u>0930</u>											
Comments:											

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[illegible]

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:	6/15/15		6/16/15		6/17/15		6/18/15		6/19/15		6/20/15		6/21/15								
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 AP's < laboratory AP's < basement AP's 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							
		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							
		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							
		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							
				Completion Time																			
				0725 1918				0727 1954				0730 1930				0736 1923				0742 1925			

Note: ¹ Mode 2 acceptance criteria is < 0.00 in. wcNote: ² SRs 4.1.2.x only apply during mode 2 in accordance with LCO 3.1.2.Completed by: [Signature] Date: 6/21/15 Time: 1923Reviewed by: [Signature] Date: 6/22/15 Time: 1156

On-duty Supervisor

Comments:

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The FLAMMABLE GAS detector in the FSTF FLAMMABLE GAS SOURCE

		Date:	6-15-15	6/16/15	6/17/15	6-18-15	6-19-15	6-20-15	6-21-15
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	PT	gm	gm	PT	sk	mwf	mwf
		Acceptance Criteria	SURVEILLANCE RESULTS (percentage)						
SR	Description / Gauge	NA							
	Flammable Gas Channel Check								
	DET-305-3 (LCD Reading)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CP-305-H (LED Reading)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4.4.1.1	(DET-305-3) - (CP-305H)	Record Calculated Value	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	(LCD Reading) (LED Reading)	≥ -0.1 ; $\leq +0.1$	(Sat) / Unsat.	(Sat) / Unsat.	(Sat) / Unsat.	(Sat) / Unsat.	(Sat) / Unsat.	(Sat) / Unsat.	(Sat) / Unsat.
	Completion Time:	0816	0825	0835	0806	0729	0740	0745	

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side)[UET]

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SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
				Date:	6-15-15	6/16/15	6/17/15	6-18-15	6-19-15	6-20-15
				Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
			Initials:		PT	PT	PT	PT	PT	PT
4.1.3.4	South basement supply filter plenum (HVP-841) AP	PDI-894-1	≤ 2.0 & $> 0^1$ in. wc		.09	.10	.09	.10	.10	.10
		PDI-894-2	≤ 2.0 & $> 0^1$ in. wc		.53	.54	.53	.54	.54	.54
4.1.3.4	South Corridor supply (HVP-810) AP	PDI-895-1	≤ 2.0 & $> 0^1$ in. wc		.11	.11	.11	.11	.11	.11
		PDI-895-2	≤ 2.0 & $> 0^1$ in. wc		.59	.59	.59	.59	.59	.59
4.1.3.4	300 area glovebox exhaust filter plenum (FF854) AP	PDI-817-1	≤ 2.0 & $> 0^1$ in. wc		STBY	STBY	STBY	STBY	.31	.32
		PDI-817-2	≤ 2.0 & $> 0^1$ in. wc		STBY	STBY	STBY	STBY	.33	.33
		PDI-817-4	≤ 2.0 & $> 0^1$ in. wc		STBY	STBY	STBY	STBY	.35	.34
		PDI-817-5	≤ 2.0 & $> 0^1$ in. wc		STBY	STBY	STBY	STBY	.32	.31
4.1.3.4	300 area special recovery glovebox exhaust filter plenum (FF858) AP	PDI-819-1	≤ 2.0 & $> 0^1$ in. wc		STBY	STBY	STBY	STBY	.41	.41
		PDI-819-3	≤ 2.0 & $> 0^1$ in. wc		STBY	STBY	STBY	STBY	.40	.40
		PDI-819-4	≤ 2.0 & $> 0^1$ in. wc		STBY	STBY	STBY	STBY	.35	.34
4.1.3.4	300 area glovebox exhaust filter plenum (FF855) AP	PDI-818-1	≤ 2.0 & $> 0^1$ in. wc		.38	.27	.27	.28	STBY	STBY
		PDI-818-2	≤ 2.0 & $> 0^1$ in. wc		.32	.33	.33	.30	STBY	STBY
		PDI-818-4	≤ 2.0 & $> 0^1$ in. wc		.32	.32	.32	.32	STBY	STBY
		PDI-818-5	≤ 2.0 & $> 0^1$ in. wc		.30	.30	.30	.30	STBY	STBY
4.1.3.4	300 area special recovery glovebox exhaust filter plenum (FF859) AP	PDI-821-1	≤ 2.0 & $> 0^1$ in. wc		.40	.40	.40	.40	STBY	STBY
		PDI-821-3	≤ 2.0 & $> 0^1$ in. wc		.42	.42	.42	.43	STBY	STBY
		PDI-821-4	≤ 2.0 & $> 0^1$ in. wc		.39	.39	.39	.39	STBY	STBY

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[illegible]

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 4 of 4)

SRs	Description	Gauge	Acceptance Criteria	Date:		SURVEILLANCE RESULTS (in. wc)						
				Weekday:	Initials:							
						Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
4.1.1.7	400 area re-circulation filter plenum (HVP-807) AP	PDI-838-1	2.0 > 0' in. wc	6-15-15	6-16-15	6-17-15	6-18-15	6-19-15	6-20-15	6-21-15		
		PDI-838-2	2.0 > 0' in. wc	PT	PT	PT	PT	PT	PT	PT		
		PDI-838-3	2.0 > 0' in. wc	PT	PT	PT	PT	PT	PT	PT		
	400 area re-circulation filter plenum (HVP-808) AP	PDI-839-1	2.0 > 0' in. wc	PT	PT	PT	PT	PT	PT	PT		
		PDI-839-2	2.0 > 0' in. wc	PT	PT	PT	PT	PT	PT	PT		
		PDI-839-3	2.0 > 0' in. wc	PT	PT	PT	PT	PT	PT	PT		
4.1.3.4	South Bleed off filter plenum (FF-822A) AP	PDI-810-1	2.0 > 0' in. wc	PT	PT	PT	PT	PT	PT	PT		
		PDI-810-2	2.0 > 0' in. wc	PT	PT	PT	PT	PT	PT	PT		
		PDI-810-3	2.0 > 0' in. wc	PT	PT	PT	PT	PT	PT	PT		
4.1.3.4	South Bleed off filter plenum (FF-822B) AP	PDI-811-1	2.0 > 0' in. wc	PT	PT	PT	PT	PT	PT	PT		
		PDI-811-2	2.0 > 0' in. wc	PT	PT	PT	PT	PT	PT	PT		
		PDI-811-3	2.0 > 0' in. wc	PT	PT	PT	PT	PT	PT	PT		
			Completion Time	0841	0840	0855	0829	0801	0801	0801		
OC Operator Review and Page Count Complete (initials)												

Non TSR requirement:

Note: SR 4.1.1.7 applies during mode 1 as stated in LCO 3.1.1. SRs 4.1.3.X apply during mode 1 and mode 2 as stated in LCO 3.1.3.

Completed by: Michael Jones Date: 6/21/15 Time: 0800 Reviewed by: [Signature] Date: 6/22/15 Time: 1100

On-duty Supervisor

Comments

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		Date:	6/15/2015	6-16-15	6/17/15	6/18/2015	6/19/15	6/20/15	6/21/15	
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.	
		Initials:	Bf	DT	JN	Bf	Rst	MWD	MWD	
SRS	Description	Gauge	SURVEILLANCE RESULTS (in. wc)							
		Acceptance Criteria								
4.1.1.7	Vault re-circulation filter plenum (HVP-811) ΔP	PDI-840-1	≤2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	Ndy	Shy
		PDI-840-2	≤2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	Shy	Shy
		PDI-840-3	≤2.0 & > 0' in. wc	STBY	STBY	STBY	STBY	STBY	Shy	Shy
	Vault re-circulation filter plenum (HVP-812) ΔP	PDI-841-1	≤2.0 & > 0' in. wc	.45	.45	.45	.45	.45	.45	.45
		PDI-841-2	≤2.0 & > 0' in. wc	.58	.59	.58	.58	.59	.59	.59
		PDI-841-3	≤2.0 & > 0' in. wc	.51	.51	.51	.51	.50	.50	.50
	200 area re-circulation filter plenum (HVP-801) ΔP	PDI-831-1	≤2.0 & > 0' in. wc	.40	.34	.34	.34	.34	.34	.34
		PDI-831-2	≤2.0 & > 0' in. wc	.34	.40	.40	.40	.40	.40	.40
		PDI-831-3	≤2.0 & > 0' in. wc	.35	.35	.35	.35	.35	.35	.35
200 area re-circulation filter plenum (HVP-802) ΔP	PDI-832-1	≤2.0 & > 0' in. wc	.34	.34	.34	.34	.34	.34	.34	
	PDI-832-2	≤2.0 & > 0' in. wc	.60	.60	.60	.60	.60	.60	.60	
	PDI-832-3	≤2.0 & > 0' in. wc	.57	.57	.57	.57	.54	.54	.54	
4.1.3.4	North Bleed off filter plenum (FF-820A) ΔP	PDI-807-1	≤2.0 & > 0' in. wc	.12	.12	.11	.12	.12	.12	
		PDI-807-2	≤2.0 & > 0' in. wc	.51	.50	.50	.50	.50	.50	.50
		PDI-807-3	≤2.0 & > 0' in. wc	.50	.50	.49	.50	.50	.50	.50
4.1.3.4	North Bleed off filter plenum (FF-820B) ΔP	PDI-809-1	≤2.0 & > 0' in. wc	OFF	OFF	OFF	OFF	OFF	off	
		PDI-809-2	≤2.0 & > 0' in. wc	OFF	OFF	OFF	OFF	OFF	off	off
		PDI-809-3	≤2.0 & > 0' in. wc	OFF	OFF	OFF	OFF	OFF	off	off

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 2 of 4)

SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
				Date:	6/15/2015	6/16-15	6/17/15	6/18/2015	6/19/15	6/20/15
				Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
			Initials:		BF	PT	JP	BF	BT	mw
4.1.3.4	North Basement exhaust filter plenum (FF-828) AP	PDI-829-1	≤ 2.0 & $> 0^1$ in. wc		.12	.13	.13	.12	.13	.12
		PDI-829-2	≤ 2.0 & $> 0^1$ in. wc		.31	.31	.31	.31	.32	.32
		PDI-829-3	≤ 2.0 & $> 0^1$ in. wc		.25	.25	.25	.26	.28	.28
4.1.1.7	100-area re-circulation filter plenum (HVP-803) AP	PDI-833-1	≤ 2.0 & $> 0^1$ in. wc		> 1.0	> 1.0	> 1.0	> 1.0	> 1.0	> 1.0
		PDI-833-2	≤ 2.0 & $> 0^1$ in. wc		.47	.48	.47	.48	.47	.47
		PDI-833-3	≤ 2.0 & $> 0^1$ in. wc		.45	.45	.45	.45	.45	.45
4.1.3.4	100 area re-circulation filter plenum (HVP-804) AP	PDI-835-1	≤ 2.0 & $> 0^1$ in. wc		.16	.16	.16	.16	.16	.16
		PDI-835-2	≤ 2.0 & $> 0^1$ in. wc		.47	.47	.46	.47	.46	.46
		PDI-835-3	≤ 2.0 & $> 0^1$ in. wc		.42	.42	.42	.42	.42	.42
4.1.3.4	100 area glovebox exhaust filter plenum (FF852) AP	PDI-815-1	≤ 2.0 & $> 0^1$ in. wc		STBY	STBY	STBY	STBY	STBY	STBY
		PDI-815-2	≤ 2.0 & $> 0^1$ in. wc		STBY	STBY	STBY	STBY	STBY	STBY
		PDI-815-4	≤ 2.0 & $> 0^1$ in. wc		STBY	STBY	STBY	STBY	STBY	STBY
4.1.3.4	100 area glovebox exhaust filter plenum (FF853) AP	PDI-815-5	≤ 2.0 & $> 0^1$ in. wc		STBY	STBY	STBY	STBY	STBY	STBY
		PDI-816-1	≤ 2.0 & $> 0^1$ in. wc		.40	.39	.39	.40	.39	.39
		PDI-816-2	≤ 2.0 & $> 0^1$ in. wc		.47	.47	.44	.47	.47	.47
4.1.3.4	100 area glovebox exhaust filter plenum (FF853) AP	PDI-816-4	≤ 2.0 & $> 0^1$ in. wc		.48	.48	.45	.48	.45	.45
		PDI-816-5	≤ 2.0 & $> 0^1$ in. wc		.49	.49	.47	.48	.48	.48

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 3 of 4)

SRs	Description	Gauge	Acceptance Criteria	Initials:	SURVEILLANCE RESULTS (in. wc)						
					Date:	Weekday:	6/15/2015	6/16/15	6/17/15	6/18/2015	6/19/15
							Mon.	Tue.	Wed.	Thu.	Fri.
							BF	PT	JM	BF	ZH
4.1.3.4	200 area glovebox exhaust filter plenum (FF850) ΔP	PDI-812-1	≤ 2.0 & > 0' in. wc				STBY	STBY	STBY	STBY	STBY
		PDI-812-2	≤ 2.0 & > 0' in. wc				STBY	STBY	STBY	STBY	STBY
		PDI-812-3	≤ 2.0 & > 0' in. wc				STBY	STBY	STBY	STBY	STBY
		PDI-812-4	≤ 2.0 & > 0' in. wc				STBY	STBY	STBY	STBY	STBY
		PDI-812-5	≤ 2.0 & > 0' in. wc				STBY	STBY	STBY	STBY	STBY
4.1.3.4	200 area glovebox exhaust filter plenum (FF851) ΔP	PDI-813-1	≤ 2.0 & > 0' in. wc				1.10	1.10	1.09	1.10	1.09
		PDI-813-2	≤ 2.0 & > 0' in. wc				.31	.31	.31	.31	.31
		PDI-813-3	≤ 2.0 & > 0' in. wc				.30	.31	.31	.31	.30
		PDI-813-4	≤ 2.0 & > 0' in. wc				.33	.32	.32	.31	.31
		PDI-813-5	≤ 2.0 & > 0' in. wc				.29	.29	.29	.30	.29
4.1.3.4	IFT exhaust filter plenum (FF-865) ΔP	PDI-865-1	≤ 2.0 & > 0' in. wc				.04	.04	.04	.04	.04
		PDI-865-2	≤ 2.0 & > 0' in. wc				.33	.33	.32	.32	.40
		PDI-865-3	≤ 2.0 & > 0' in. wc				.41	.41	.41	.40	.40
4.1.3.4	IFT supply filter plenum (IIVP-863) ΔP	PDI-863-1	≤ 2.0 & > 0' in. wc				.26	.06	.06	.05	.06
		PDI-863-2	≤ 2.0 & > 0' in. wc				.05	.25	.26	.37	.28

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 4 of 4)

SRs	Description	Gauge	Acceptance Criteria	Initials:	SURVEILLANCE RESULTS						
					Date:	Weekday:	6/15/2015	6-16-15	6/17/15	6/18/2015	6/19/15
							Mon.	Tue.	Wed.	Thu.	Fri.
4.1.3.4	North Basement supply filter plenum (IIVP-840) ΔP	PDI-857-1	2.0 & > 0' in. wc		BF			BT	gpc	BF	gpc
4.1.3.4	North corridor supply filter plenum (IIVP-809) ΔP	PDI-857-2	2.0 & > 0' in. wc				.48	.48	.47	.47	.49
		PDI-856-1	2.0 & > 0' in. wc				.13	.13	.13	.14	.14
		PDI-856-2	2.0 & > 0' in. wc				.57	.58	.57	.58	.58
4.3.2.2	Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C		0 lb/ft ³ combustibles in designated exclusion area (within 15 feet of fans)				SAT	SAT	SAT	SAT	SAT
	Rooms 201, 204, 206, & 207		0 lb/ft ³ 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					0912		0845	0844	0844	0845	0856
OC Operator Review and Page Count Complete (initials)											

Non TSR requirement

Note: SR 4.1.3.4 applies during mode 1 and mode 2.

Completed by: Michael M. J. J. Date: 6/15/15 Time: 0720 Reviewed by: [Signature] Date: 6/17/15 Time: 1100

On-duty Supervisor

Comments:

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[illegible]

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

(Page 3 of 3)

Note		Date:	Mon.		Tue.		Wed.		Thu.		Fri.		Sat.		Sun.		
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.		Weekday:	AM		PM		AM		PM		AM		PM		AM		
		Shift:	AM		PM		AM		PM		AM		PM		AM		
		Initials:	P		U		U		U		U		U		U		
4.1.1.4	Glovebox exhaust header AP's < laboratory AP's < basement AP's for areas 100, 200, 300 and 400	200 Area	PDI-814-2	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	
			PDI-803-2	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat
			PDI-804-2	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat
			PDI-820-2	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	
	100 Area	PDI-802-2	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat
		PDI-804-2	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	
		PDI-870-2	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	
		PDI-853-2	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	
	300 Area	PDI-854-2	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat
		PDI-870-2	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	
		PDI-853-2	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	
		PDI-854-2	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	
	400 Area	PDI-864-2	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat	Sat
		PDI-852-2	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat
		PDI-854-2	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat	Unsat
		Completion Time	0730	0730	0730	0730	0730	0730	0730	0730	0730	0730	0730	0730	0730	0730	0730

Note: ¹ Mode 2 acceptance criteria is < 0.00 in. wcNote: ² SRs 4.1.2.x only apply during mode 2 in accordance with LCO 3.1.2.Completed by: [Signature] Date: 6/24/15 Time: 1934 Reviewed by: [Signature] Date: 6/27/15 Time: 1100

On-duty Supervisor

Comments:

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

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).

SR	Description / Gauge	Date:	6-23-15	6-23-15	6-24-15	6-25-15	6-26-15	6-27-15	6-28-15
		Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Initials:	PT	PT	PT	PT	PT	PT	PT
		SURVEILLANCE RESULTS (percentage)							
4.4.1.1	Flammable Gas Channel Check	NA							
	DET-305-3 (LCD Reading)		0.0	0.0	0.0	0.0	0.0	0.0	0.0
	CP-305-H (LED Reading)		0.0	0.0	0.0	0.0	0.0	0.0	0.0
	(DET-305-3) – (CP-305H) (LCD Reading) (LED Reading)		0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Record Calculated Value								
	≥ -0.1; ≤ +0.1		Sat / Unsat.	Sat / Unsat.	Sat / Unsat.	Sat / Unsat.	Sat / Unsat.	Sat / Unsat.	Sat / Unsat.
	Completion Time:		0823	0842	0801	0837	0750	1027	0824

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 4 of 4)

SRs	Description	Gauge	Acceptance Criteria	Date:							
				Weekday:							
				Initials:							
				Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.	
				PT	PT	PT	PT	PT	PT	PT	PT
				SURVEILLANCE RESULTS (in. wc)							
4.1.1.7	400 area re-circulation filter plenum (HVP-807) AP	PDI-838-1	≤2.0 & > 0' in. wc	.49	.49	.49	.49	.49	.49	.49	.49
		PDI-838-2	≤2.0 & > 0' in. wc	PT .57	.58	.58	.58	.56	.56	.56	.56
		PDI-838-3	≤2.0 & > 0' in. wc	.51	.51	.51	.51	.51	.51	.51	.51
4.1.1.7	400 area re-circulation filter plenum (HVP-808) AP	PDI-839-1	≤2.0 & > 0' in. wc	.45	.45	.45	.45	.45	.45	.45	.45
		PDI-839-2	≤2.0 & > 0' in. wc	.59	.59	.59	.59	.59	.59	.59	.59
		PDI-839-3	≤2.0 & > 0' in. wc	.55	.55	.55	.55	.55	.55	.55	.55
4.1.3.4	South Bleed off Filter plenum (FF-822A) AP	PDI-810-1	≤2.0 & > 0' in. wc	.15	.15	.15	.15	.15	.15	.15	.15
		PDI-810-2	≤2.0 & > 0' in. wc	.45	.45	.48	.48	.44	.44	.44	.44
		PDI-810-3	≤2.0 & > 0' in. wc	.42	.42	.44	.44	.42	.42	.42	.42
4.1.3.4	South Bleed off Filter plenum (FF-822B) AP	PDI-811-1	≤2.0 & > 0' in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		PDI-811-2	≤2.0 & > 0' in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
		PDI-811-3	≤2.0 & > 0' in. wc	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Completion Time				0.846	0.856	0.816	0.851	0.835	1020	0.807	
OC Operator Review and Page Count Complete (initials)				0-8	0-0	0-0	0-0	0-0	0-0	0-0	0-0

'Non TSR requirement:

Note: SR 4.1.1.7 applies during mode 1 as stated in LCO 3.1.1. SRs 4.1.3.X apply during mode 1 and mode 2 as stated in LCO 3.1.3.

Completed by: [Signature] Date: 6/28/15 Time: 0800 Reviewed by: [Signature] Date: 6/29/15 Time: 1100

On-duty Supervisor

Comments

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side)[UET]

(Page 1 of 4)

SRs	Description	Gauge	Acceptance Criteria	Initials:	SURVEILLANCE RESULTS (in. wc)						
					Date:	6/22/15	6/23/2015	6/24/2015	6/25/2015	6/26/15	6/28/15
					Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
							BF	BF	BF		Sun.
						JM				JM	JM
4.1.1.7	Vault re-circulation filter plenum (HVP-811) ΔP	PDI-840-1	≤2.0 & > 0' in. wc			STBY	STBY	STBY	STBY	.16	.16
		PDI-840-2	≤2.0 & > 0 in' wc			STBY	STBY	STBY	STBY	.57	.57
		PDI-840-3	≤2.0 & > 0' in. wc			STBY	STBY	STBY	STBY	.50	.50
	Vault re-circulation filter plenum (HVP-812) ΔP	PDI-841-1	≤2.0 & > 0' in. wc			.45	.45	.45	.45	STBY	STBY
		PDI-841-2	≤2.0 & > 0' in. wc			.57	.57	.58	.58	STBY	STBY
		PDI-841-3	≤2.0 & > 0' in. wc			.51	.51	.51	.51	STBY	STBY
	200 area re-circulation filter plenum (HVP-801) ΔP	PDI-831-1	≤2.0 & > 0' in. wc			.34	.34	.34	.34	.34	.34
		PDI-831-2	≤2.0 & > 0' in. wc			.40	.41	.41	.41	.41	.41
		PDI-831-3	≤2.0 & > 0' in. wc			.35	.36	.36	.36	.35	.35
4.1.3.4	200 area re-circulation filter plenum (HVP-802) ΔP	PDI-832-1	≤2.0 & > 0' in. wc			.33	.33	.34	.34	.33	.33
		PDI-832-2	≤2.0 & > 0' in. wc			.60	.60	.60	.61	.61	.60
		PDI-832-3	≤2.0 & > 0' in. wc			.56	.57	.57	.58	.56	.56
	North Bleed off filter plenum (PF-820A) ΔP	PDI-807-1	≤2.0 & > 0' in. wc			.17	.12	.12	.12	OFF	OFF
		PDI-807-2	≤2.0 & > 0' in. wc			.51	.51	.51	.51	OFF	OFF
		PDI-807-3	≤2.0 & > 0' in. wc			.50	.50	.50	.50	OFF	OFF
	North Bleed off filter plenum (PF-820B) ΔP	PDI-809-1	≤2.0 & > 0' in. wc			OFF	OFF	OFF	OFF	.07	.07
		PDI-809-2	≤2.0 & > 0' in. wc			OFF	OFF	OFF	OFF	.50	.50
		PDI-809-3	≤2.0 & > 0' in. wc			OFF	OFF	OFF	OFF	.43	.44

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 2 of 4)

SRs	Description	Gauge	Acceptance Criteria	Date:	SURVEILLANCE RESULTS (in. wc)						
					6/22/15	6/23/2015	6/24/2015	6/25/2015	6/26/15	6/27/15	6/28/15
					Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
			Initials:			BF	BF	BF	BF	BF	BF
4.1.3.4	North Basement exhaust filter plenum (FF-828) AP	PDI-829-1	≤ 2.0 & $> 0^1$ in. wc		.11	.11	.13	.13	.13	.13	.13
		PDI-829-2	≤ 2.0 & $> 0^1$ in. wc		.30	.30	.32	.31	.31	.31	.31
		PDI-829-3	≤ 2.0 & $> 0^1$ in. wc		.23	.22	.28	.28	.26	.27	.27
		PDI-833-1	≤ 2.0 & $> 0^1$ in. wc		.71.0	> 1.0	> 1.0	> 1.0	.71.0	.71.0	.71.0
		PDI-833-2	≤ 2.0 & $> 0^1$ in. wc		.46	.47	.48	.48	.47	.47	.47
4.1.1.7	100 area re-circulation filter plenum (HVP-803) AP	PDI-833-3	≤ 2.0 & $> 0^1$ in. wc		.45	.46	.47	.46	.45	.45	.45
		PDI-835-1	≤ 2.0 & $> 0^1$ in. wc		.16	.16	.16	.17	.16	.16	.16
		PDI-835-2	≤ 2.0 & $> 0^1$ in. wc		.45	.46	.47	.48	.46	.46	.46
		PDI-835-3	≤ 2.0 & $> 0^1$ in. wc		.42	.42	.43	.44	.42	.42	.42
		PDI-815-1	≤ 2.0 & $> 0^1$ in. wc		STBY	STBY	STBY	STBY	.21	.21	.21
4.1.3.4	100 area glovebox exhaust filter plenum (FF852) AP	PDI-815-2	≤ 2.0 & $> 0^1$ in. wc		STBY	STBY	STBY	STBY	.50	.50	.50
		PDI-815-4	≤ 2.0 & $> 0^1$ in. wc		STBY	STBY	STBY	STBY	.41	.41	.41
		PDI-815-5	≤ 2.0 & $> 0^1$ in. wc		STBY	STBY	STBY	STBY	.45	.45	.45
		PDI-816-1	≤ 2.0 & $> 0^1$ in. wc		.42	.40	.41	.41	STBY	STBY	STBY
		PDI-816-2	≤ 2.0 & $> 0^1$ in. wc		.46	.45	.47	.48	STBY	STBY	STBY
4.1.3.4	100 area glovebox exhaust filter plenum (FF853) AP	PDI-816-4	≤ 2.0 & $> 0^1$ in. wc		.46	.47	.49	.49	STBY	STBY	STBY
		PDI-816-5	≤ 2.0 & $> 0^1$ in. wc		.48	.48	.49	.50	STBY	STBY	STBY

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 3 of 4)

SRs		Description	Gauge	Acceptance Criteria	Initials:	6/25/2015																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

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SRs	Description	Gauge	Acceptance Criteria	Initials:	Date:						
					Weekday:						
					6/22/15	6/23/2015	6/24/2015	6/25/2015	6/26/15	6/27/15	6/28/15
					Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
					BF	BF	BF	BF	BF	BF	BF
SURVEILLANCE RESULTS											
4.1.3.4	North Basement supply filter plenum (HVP-840) ΔP	PDI-857-1	≤ 2.0 & > 0' in. wc		.14	.17	.18	.13	.12	.18	.15
		PDI-857-2	≤ 2.0 & > 0' in. wc		.47	.47	.48	.48	.47	.48	.48
4.1.3.4	North corridor supply filter plenum (HVP-809) ΔP	PDI-856-1	≤ 2.0 & > 0' in. wc		.13	.13	.14	.14	.13	.13	.13
		PDI-856-2	≤ 2.0 & > 0' in. wc		.59	.59	.59	.59	.52	.52	.52
'NA	Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C		0 lb/ft ² combustibles in designated exclusion area (within 15 feet of fans)		SAT	SAT	SAT	SAT	SAT	SAT	SAT
4.3.2.2	Rooms 201, 204, 206, & 207		0 lb/ft ² 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					0922	0905	0820	0909	0820	1011	0825
OC Operator Review and Page Count Complete (initials)					an	an	an	an	an	an	an

Non TSR requirement

Note: SR 4.1.3.4 applies during mode 1 and mode 2.

Completed by: [Signature] Date 6/28/15 Time 0825 Reviewed by: [Signature] Date 6/22/15 Time 1100

On-duty Supervisor

Comments:

ATTACHMENT A: Per Shift Surveillance Rounds [UET]

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Note		Date:	06-29-15		06-30-15													
		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:	B. H.		B. H.													
SRs	Description	Area	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS Sat. / Unsat. (circle one)													
4.1.1.4	Glovebox exhaust header AP's < laboratory AP's < basement AP's 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
		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
		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
		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
				Completion Time		0724		1108		0722		1101						

Note: ¹ Mode 2 acceptance criteria is < 0.00 in. wcNote: ² SRs 4.1.2.x only apply during mode 2 in accordance with LCO 3.1.2.Completed by: AWG Date: 6/30/15 Time: 1721 Reviewed by: [Signature] Date: 7/1/15 Time: 0600

On-duty Supervisor

Comments:

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 1 of 4)

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:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
		Weekday:							
		Initials:	RS	AM					
		Acceptance Criteria	SURVEILLANCE RESULTS (percentage)						
SR 4.4.1.1	Description / Gauge								
	Flammable Gas Channel Check DET-305-3 (LCD Reading)	0.0	0.0						
	CP-305-H (LED Reading)	0.0	0.0						
	(DET-305-3) - (CP-305H) (LCD Reading) (LED Reading)	Record Calculated Value	0.0	0.0					
		≥ -0.1 ; $\leq +0.1$	Sat. / Unsat.	Sat. / Unsat.	Sat. / Unsat.	Sat. / Unsat.	Sat. / Unsat.	Sat. / Unsat.	Sat. / Unsat.
	Completion Time:	0806	0824						

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side)[UET]

(Page 2 of 4)

SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)						
				Date:	6-29-15	6/30/15				
				Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.
			Initials:		12)	ERT				Sun.
4.1.3.4	South basement supply filter plenum (IIVP-841) ΔP	PDI-894-1	≤ 2.0 & > 0' in. wc		.09					
		PDI-894-2	≤ 2.0 & > 0' in. wc		.51					
4.1.3.4	South Corridor supply (IIVP-810) ΔP	PDI-895-1	≤ 2.0 & > 0' in. wc		.14					
		PDI-895-2	≤ 2.0 & > 0' in. wc		.62					
4.1.3.4	300 area glovebox exhaust filter plenum (FF854) ΔP	PDI-817-1	≤ 2.0 & > 0' in. wc		.54	STBY				
		PDI-817-2	≤ 2.0 & > 0' in. wc		.35	STBY				
		PDI-817-4	≤ 2.0 & > 0' in. wc		.36	STBY				
		PDI-817-5	≤ 2.0 & > 0' in. wc		.33	STBY				
4.1.3.4	300 area special recovery glovebox exhaust filter plenum (FF858) ΔP	PDI-819-1	≤ 2.0 & > 0' in. wc		.41	STBY				
		PDI-819-3	≤ 2.0 & > 0' in. wc		.41	STBY				
		PDI-819-4	≤ 2.0 & > 0' in. wc		.35	STBY				
4.1.3.4	300 area glovebox exhaust filter plenum (FF855) ΔP	PDI-818-1	≤ 2.0 & > 0' in. wc		STBY	.28				
		PDI-818-2	≤ 2.0 & > 0' in. wc		STBY	.32				
		PDI-818-4	≤ 2.0 & > 0' in. wc		STBY	.32				
		PDI-818-5	≤ 2.0 & > 0' in. wc		STBY	.30				
4.1.3.4	300 area special recovery glovebox exhaust filter plenum (FF859) ΔP	PDI-821-1	≤ 2.0 & > 0' in. wc		STBY	.40				
		PDI-821-3	≤ 2.0 & > 0' in. wc		STBY	.45				
		PDI-821-4	≤ 2.0 & > 0' in. wc		STBY	.40				

ATTACHMENT B-1: Daily Surveillance Rounds (PF-4 South Side) [UET]

(Page 4 of 4)

				Date: 4/30/15	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
				Weekday:							
				Initials:	RS	RT					
SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)							
4.1.1.7	400 area re-circulation filter plenum (HVP-807) AP	PDI-838-1	≤ 2.0 & $> 0^1$ in. wc	.49		.49					
		PDI-838-2	≤ 2.0 & $> 0^1$ in. wc	.55		.51					
		PDI-838-3	≤ 2.0 & $> 0^1$ in. wc	.51		.50					
	400 area re-circulation filter plenum (HVP-808) AP	PDI-839-1	≤ 2.0 & $> 0^1$ in. wc	.45		.44					
		PDI-839-2	≤ 2.0 & $> 0^1$ in. wc	.59		.60					
		PDI-839-3	≤ 2.0 & $> 0^1$ in. wc	.55		.55					
4.1.3.4	South Bleed off filter plenum (FF-822A) AP	PDI-810-1	≤ 2.0 & $> 0^1$ in. wc	.15	OFF						
		PDI-810-2	≤ 2.0 & $> 0^1$ in. wc	.45	OFF						
		PDI-810-3	≤ 2.0 & $> 0^1$ in. wc	.43	OFF						
4.1.3.4	South Bleed off filter plenum (FF-822B) AP	PDI-811-1	≤ 2.0 & $> 0^1$ in. wc	.05	.10						
		PDI-811-2	≤ 2.0 & $> 0^1$ in. wc	.05	.45						
		PDI-811-3	≤ 2.0 & $> 0^1$ in. wc	.05	.45						
			Completion Time	0852	0830						
OC Operator Review and Page Count Complete (initials)											

Non TSR requirement:

Note: SR 4.1.1.7 applies during mode 1 as stated in LCO 3.1.1. SRs 4.1.3.X apply during mode 1 and mode 2 as stated in LCO 3.1.3.

Completed by: [Signature] Date: 4/30/15 Time: 0830

Reviewed by: [Signature] Date: 7/1/15 Time: 0600

On-duty Supervisor

Comments

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 2 of 4)

SRs	Description	Gauge	Acceptance Criteria	Date: 6-24-15 6:30-16							SURVEILLANCE RESULTS (in. wc)						
				Weekday:													
				Initials: ns													
4.1.3.4	North Basement exhaust filter plenum (FF-828) AP	PDI-829-1	≤ 2.0 & > 0.1 in. wc	.13					.11								
		PDI-829-2	≤ 2.0 & > 0.1 in. wc	.31					.31								
		PDI-829-3	≤ 2.0 & > 0.1 in. wc	.25					.24								
4.1.1.7	100 area re-circulation filter plenum (HVP-803) AP	PDI-833-1	≤ 2.0 & > 0.1 in. wc	.71	.0				.71	.0							
		PDI-833-2	≤ 2.0 & > 0.1 in. wc	.45					.45								
		PDI-833-3	≤ 2.0 & > 0.1 in. wc	.45					.45								
	100 area re-circulation filter plenum (HVP-804) AP	PDI-835-1	≤ 2.0 & > 0.1 in. wc	.16					.16								
		PDI-835-2	≤ 2.0 & > 0.1 in. wc	.46					.46								
4.1.3.4	100 area glovebox exhaust filter plenum (FF852) AP	PDI-835-3	≤ 2.0 & > 0.1 in. wc	.42					.42								
		PDI-815-1	≤ 2.0 & > 0.1 in. wc	.21					.21								
		PDI-815-2	≤ 2.0 & > 0.1 in. wc	.50					.50								
		PDI-815-4	≤ 2.0 & > 0.1 in. wc	.41					.41								
		PDI-815-5	≤ 2.0 & > 0.1 in. wc	.45					.45								
4.1.3.4	100 area glovebox exhaust filter plenum (FF853) AP	PDI-816-1	≤ 2.0 & > 0.1 in. wc	.58					.58								
		PDI-816-2	≤ 2.0 & > 0.1 in. wc	.58					.58								
		PDI-816-4	≤ 2.0 & > 0.1 in. wc	.58					.58								
		PDI-816-5	≤ 2.0 & > 0.1 in. wc	.58					.58								

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

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			Date:	6-29-15	6-30-15												
			Weekday:	Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.							
			Initials:	PS	Rh												
			Acceptance Criteria	SURVEILLANCE RESULTS (in. wc)													
4.1.3.4	200 area glovebox exhaust filter plenum (FF-850) ΔP	Gauge	1PDI-812-1	≤ 2.0 & > 0' in. wc	.15	.16											
		PDI-812-2	≤ 2.0 & > 0' in. wc	.35	.35												
		PDI-812-3	≤ 2.0 & > 0' in. wc	.36	.32												
		PDI-812-4	≤ 2.0 & > 0' in. wc	.36	.38												
		PDI-812-5	≤ 2.0 & > 0' in. wc	.31	.31												
4.1.3.4	200 area glovebox exhaust filter plenum (FF-851) ΔP	1PDI-813-1	≤ 2.0 & > 0' in. wc	.57	.57												
		PDI-813-2	≤ 2.0 & > 0' in. wc	.57	.57												
		PDI-813-3	≤ 2.0 & > 0' in. wc	.57	.57												
		PDI-813-4	≤ 2.0 & > 0' in. wc	.57	.57												
		PDI-813-5	≤ 2.0 & > 0' in. wc	.57	.57												
4.1.3.4	HFT exhaust filter plenum (FF-865) ΔP	1PDI-865-1	≤ 2.0 & > 0' in. wc	.03	.03												
		PDI-865-2	≤ 2.0 & > 0' in. wc	.31	.32												
		PDI-865-3	≤ 2.0 & > 0' in. wc	.39	.39												
4.1.3.4	HFT supply filter plenum (HVP-863) ΔP	1PDI-863-1	≤ 2.0 & > 0' in. wc	.08	.07												
		PDI-863-2	≤ 2.0 & > 0' in. wc	.29	.28												

ATTACHMENT B-2: Daily Surveillance Rounds (PF-4 North Side) [UET]

(Page 4 of 4)

SRs	Description	Gauge	Acceptance Criteria	SURVEILLANCE RESULTS						
				Date: 6-29-15 6/29/15						
				Mon.	Tue.	Wed.	Thu.	Fri.	Sat.	Sun.
4.1.3.4	North Basement supply filter plenum (HVP-840) ΔP	PDI-857-1	≤ 2.0 & > 0' in. wc	1.05	.08					
		PDI-857-2	≤ 2.0 & > 0' in. wc	.49	.48					
4.1.3.4	North corridor supply filter plenum (HVP-809) ΔP	PDI-856-1	≤ 2.0 & > 0' in. wc	.14	.14					
		PDI-856-2	≤ 2.0 & > 0' in. wc	.52	.51					
NA	Combustible exclusion area around basement exhaust fans FE828, FE829 and bleed-off fans FE820A, FE820B, FE820C, FE822A, FE822B, FE822C		0 lb/ft ² combustibles in designated exclusion area (within 15 feet of fans)	SAT	SAT					
4.3.2.2	Rooms 201, 204, 206, & 207		0 lb/ft ² 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				0829	0828					
OC Operator Review and Page Count Complete (initials)				AS	AS					

Non TSR requirement

Note: SR 4.1.3.4 applies during mode 1 and mode 2.

Completed by: Secine K Date 6/29/15 Time 0832Reviewed by: [Signature]Date: 7/1/15 Time: 0600

On-duty Supervisor

Comments:

ATTACHMENT D-1: Monthly Surveillance Rounds (Confinement Doors) [UET]

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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.	1442	6/3/15	RH
4.1.3.2	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.	1440	6/3/15	RH
4.1.3.2	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.	13:19	6/3/15	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.	1400	6/3/15	RH
4.1.3.2	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). 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.	Sat / Unsat.	13:59	6/3/15	RH
			4.4 Seconds	Sat / Unsat.	13:51	6/3/15	RH

*Note: Monthly Inspection of DR-344 and DR-102 in accordance with compensatory measure(s) from: Request for Permanent Equivalency to OE Order 4201B Chapter II, NFPA 80, NFPA 101 and IBC Requirements for LANL Building T455-4 (PF-4). Installation of New Confinement Doors DR-102, DR-302, and DR-344 LANL-DOE-ORDER-4201B-EO-2013-001

ATTACHMENT D-1: 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	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). 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. 7.0 Seconds	<input checked="" type="radio"/> Sat <input type="radio"/> Unsat.	14:31	6/3/15	RH
4.1.3.2	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.	<input checked="" type="radio"/> Sat <input type="radio"/> Unsat.	14:30	6/3/15	RH
4.1.3.2	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).	<input checked="" type="radio"/> Sat <input type="radio"/> Unsat.	13:38	6/3/15	RH
					14:10	6/3/15	RH
OC Operator Review and Page Count Complete							DAO

Note: SR 4.1.3.2 applies during mode 1 and 2.

Completed by: *Ron Deane*

Date: 6/3/15 Time: 1445

Reviewed by: *RH*

Date: 6/3/15 Time: 1453

On-duty Supervisor Comments:

ATTACHMENT D-2: Monthly Surveillance Rounds (CAS) (Operations Center) [UET]

(Page 1 of 1)

SR	Description		Acceptance Criteria	Sat. / Unsat.	Initials:
	Channel #	Location			
4.2.1.1	1	Rm. 201	> 1 mR/hr	Sat / Unsat	u
	2	Rm. 106	> 1 mR/hr	Sat / Unsat	u
	3	Rm. 305	> 1 mR/hr	Sat / Unsat	u
	4	Rm. 401	> 1 mR/hr	Sat / Unsat	u
	5	Rm. 206	> 1 mR/hr	Sat / Unsat	u
	6	Rm. 114	> 1 mR/hr	Sat / Unsat	u
	7	Rm. 319 W	> 1 mR/hr	Sat / Unsat	u
	8	Rm. 409	> 1 mR/hr	Sat / Unsat	u
	9	Rm. 208	> 1 mR/hr	Sat / Unsat	u
	10	Rm. 124	> 1 mR/hr	Sat / Unsat	u
	11	Rm. 319 E	> 1 mR/hr	Sat / Unsat	u
	12	Rm. 420	> 1 mR/hr	Sat / Unsat	u
	13	Rm. 209	> 1 mR/hr	Sat / Unsat	u
	14	Rm. 126	> 1 mR/hr	Sat / Unsat	u
	15	Rm. 327	> 1 mR/hr	Sat / Unsat	u
	16	Rm. 429	> 1 mR/hr	Sat / Unsat	u
	17	Vault 17	> 1 mR/hr	Sat / Unsat	u
	18	Vault 18	> 1 mR/hr	Sat / Unsat	u
	19	Vault 19	> 1 mR/hr	Sat / Unsat	u
	20	Vault 20	> 1 mR/hr	Sat / Unsat	u

Note: These readings **SHALL** be taken on the rate meters in rack RK-801-3 in the OC.

Completed by: [Signature] Date 6/1/15 Time 0455

Reviewed by: [Signature] Date 6/1/15 Time 0633
On-duty Supervisor

Comments:

ATTACHMENT A807.A.

External Combustion

Natural Gas Usage and Rolling 12-Month Total

2015 Small Boilers Data Entry / Gas Use

		Metered Boilers		Total Gas Use for all Small Boilers ^(a)	Non-Metered Gas Use	12-Month Rolling Total for all Small Boilers ^(c) (MMscf)
		TA-55 Boiler Gas Use (Mscf) ^(b)	CMRR-RLUOB Gas Use (Mscf)			
Month		BRW-1B (B-602) ID (B-0016)	BRW-2B (B-603) ID (B-0017)	All 3 Boilers NMED IDs 90, 104, and 105		
January		2477	1145	557	77.14	451.08
February		1642	209	263	55.41	455.84
March		1	2132	292	44.01	445.96
April		1	1613	219	36.08	440.33
May		24	1496	195	25.22	437.26
June		1	1483	136	9.31	435.19
July						
August						
September						
October						
November						
December						
TOTAL		4146	8078	1662	247.161	247.16
					233.27	870
					12 Month Limit (MMscf) =	

Data Entry

REFERENCES for SMALL BOILERS	
(a)	Information on non-metered boilers is provided in the facility wide gas use report by Utilities and Infrastructure and contains all gas use at LANL minus those non-LANL sources which feed from the LANL main line and LANL sources that are individually metered. Total Gas use does not include the TA-3 Power Plant. All other sources are included in this total.
(b)	TA-55 has two boilers with separate AIRs numbers. Each boiler has a gas meter. The gas use information is provided monthly by the Utility and Infrastructure personnel and is included in the facility wide gas report.
(c)	The 12-month rolling average includes all gas use from all boilers listed in this spreadsheet. Boilers not included in this report due to their large size or design are powerplant boilers at TA-3. A gas use limit of 870 MMscf/yr, 12-month rolling average is a permit limit in Section 2.4 of the LANL operating permit.

ATTACHMENT A807.F.

External Combustion

Operational Inspection

(Sources listed in Table 800.A.)

Attachment A807.F. – External Combustion Operational Inspection

Annual preventive maintenance was not conducted during this monitoring period.

ATTACHMENT A907.A.

Chemical Usage

Chemical Purchases

(From ChemLog)

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001337038	96-47-9	2-METHYLTETRAHYDROFURAN	1 l		03/02/2015
0001337027	6074-84-6	Tantalum (V) Ethoxide	50	gm	03/02/2015
0001337026	67-64-1	ACETONE	500	ml	03/02/2015
0001310304		EP GREASE	14	oz	03/02/2015
0001317421		SILVER PRINT	20	gm	03/02/2015
0001310305		EP GREASE	14	oz	03/02/2015
0001310306		EP GREASE	14	oz	03/02/2015
0001310307		EP GREASE	14	oz	03/02/2015
0001310308		EP GREASE	14	oz	03/02/2015
0001337019	67-64-1	ACETONE	500	ml	03/02/2015
0001337036	1013-88-3	BENZOPHENONE IMINE	5	gm	03/02/2015
0001337030	6074-84-6	Tantalum (V) Ethoxide	50	gm	03/02/2015
0001337039	7704-34-9	SULFUR	2.5	kg	03/02/2015
0001337040	28210-41-5	POLY(PARA-STYRENESULFONIC ACID)	100	gm	03/02/2015
0001337024	67-64-1	ACETONE	500	ml	03/02/2015
0001337023	67-64-1	ACETONE	500	ml	03/02/2015
0001337022	67-64-1	ACETONE	500	ml	03/02/2015
0001337021	67-64-1	ACETONE	500	ml	03/02/2015
0001336724	64-19-7	ACETIC ACID	2.5	l	03/02/2015
0001337000	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5	l	03/02/2015
0001310301		EP GREASE	14	oz	03/02/2015
0001310309		EP GREASE	14	oz	03/02/2015
0001330362		KILZ ORIGINAL AEROSOL	13	oz	03/02/2015
0001310300		EP GREASE	14	oz	03/02/2015
0001310299		EP GREASE	14	oz	03/02/2015
0001310298		EP GREASE	14	oz	03/02/2015
0001310297		EP GREASE	14	oz	03/02/2015
0001310296		EP GREASE	14	oz	03/02/2015
0001310295		EP GREASE	14	oz	03/02/2015
0001310294		EP GREASE	14	oz	03/02/2015
0001330366		KILZ ORIGINAL AEROSOL	13	oz	03/02/2015
0001330365		KILZ ORIGINAL AEROSOL	13	oz	03/02/2015
0001337028	6074-84-6	Tantalum (V) Ethoxide	50	gm	03/02/2015
0001330363		KILZ ORIGINAL AEROSOL	13	oz	03/02/2015
0001337029	6074-84-6	Tantalum (V) Ethoxide	50	gm	03/02/2015
0001310302		EP GREASE	14	oz	03/02/2015
0001310303		EP GREASE	14	oz	03/02/2015
0001337037	10035-10-6	HYDROBROMIC ACID 48%	1	l	03/02/2015
0001337035	50-01-1	GUANIDINE HYDROCHLORIDE	100	gm	03/02/2015
0001337034	58-85-5	D-BIOTIN	1	gm	03/02/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001337033	109-06-8	2-PICOLINE	25	ml	03/02/2015
0001337032	6074-84-6	Tantalum (V) Ethoxide	50	gm	03/02/2015
0001337031	6074-84-6	Tantalum (V) Ethoxide	50	gm	03/02/2015
0001337018	67-64-1	ACETONE	500	ml	03/02/2015
0001330364		KILZ ORIGINAL AEROSOL	13	oz	03/02/2015
0001337052	10294-70-9	TIN(II) IODIDE	1	gm	03/02/2015
0001337075	67-68-5	DIMETHYL SULFOXIDE	100	ml	03/02/2015
0001337003	7778-53-2	POTASSIUM PHOSPHATE TRIBASIC	500	gm	03/02/2015
0001337070		Glucose Assay Reagent	50	ml	03/02/2015
0001337069		Glucose Assay Reagent	50	ml	03/02/2015
0001337068		Glucose Assay Reagent	50	ml	03/02/2015
0001336725	67-56-1	METHANOL OPTIMA	4	l	03/02/2015
0001336726	77-86-1	TRIS BASE	1	kg	03/02/2015
0001337049	7772-99-8	TIN(II) CHLORIDE	5	gm	03/02/2015
0001337020	67-64-1	ACETONE	500	ml	03/02/2015
0001337051	10294-70-9	TIN(II) IODIDE	1	gm	03/02/2015
0001330360		KILZ ORIGINAL AEROSOL	13	oz	03/02/2015
0001337053	10294-70-9	TIN(II) IODIDE	1	gm	03/02/2015
0001317420		SILVER PRINT	20	gm	03/02/2015
0001330361		KILZ ORIGINAL AEROSOL	13	oz	03/02/2015
0001337063		Glucose Assay Reagent	50	ml	03/02/2015
0001337064		Glucose Assay Reagent	50	ml	03/02/2015
0001337065		Glucose Assay Reagent	50	ml	03/02/2015
0001337066		Glucose Assay Reagent	50	ml	03/02/2015
0001337067		Glucose Assay Reagent	50	ml	03/02/2015
0001337076		Polyethylenimine hydrochloride	1	gm	03/02/2015
0001337050	10294-70-9	TIN(II) IODIDE	1	gm	03/02/2015
0001337012		DPD INDICATOR SOLUTION FOR ULTRA LOW RANGE CHLORINE	24	gm	03/02/2015
0001337017	67-64-1	ACETONE	500	ml	03/02/2015
0001336942	7757-83-7	SODIUM SULFITE, ANHYDROUS	1000	gm	03/02/2015
0001337044	103-90-2	ACETAMINOPHEN	1	gm	03/02/2015
0001337045	2622-14-2	TRICYCLOHEXYLPHOSPHINE	5	gm	03/02/2015
0001337046	119-61-9	BENZOPHENONE	25	gm	03/02/2015
0001337047	653-37-2	PENTAFLUOROBENZALDEHYDE	10	gm	03/02/2015
0001337048	10031-24-0	Tin(II) bromide	10	gm	03/02/2015
0001337016	67-64-1	ACETONE	500	ml	03/02/2015
0001337015	67-64-1	ACETONE	500	ml	03/02/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001337074	100-10-7	4-(DIMETHYLAMINO)BENZALDEHYDE (EHRlich'S REAGENT)	25	gm	03/02/2015
0001337013		DPD INDICATOR SOLUTION FOR ULTRA LOW RANGE CHLORINE	24	gm	03/02/2015
0001337073	104-87-0	P-TOLUALDEHYDE	5	gm	03/02/2015
0001337011		DPD INDICATOR SOLUTION FOR ULTRA LOW RANGE CHLORINE	24	gm	03/02/2015
0001337071	13598-65-7	AMMONIUM PERRHENATE	5	gm	03/02/2015
0001337072	123-11-5	P-ANISALDEHYDE	5	gm	03/02/2015
0001330355		KILZ ORIGINAL AEROSOL	13	oz	03/02/2015
0001330356		KILZ ORIGINAL AEROSOL	13	oz	03/02/2015
0001330357		KILZ ORIGINAL AEROSOL	13	oz	03/02/2015
0001330358		KILZ ORIGINAL AEROSOL	13	oz	03/02/2015
0001330359		KILZ ORIGINAL AEROSOL	13	oz	03/02/2015
0001337025	67-64-1	ACETONE	500	ml	03/02/2015
0001337014		DPD INDICATOR SOLUTION FOR ULTRA LOW RANGE CHLORINE	24	gm	03/02/2015
0001337005		DPD INDICATOR SOLUTION FOR ULTRA LOW RANGE CHLORINE	24	gm	03/02/2015
0001336992		Nexguard 22350	55	gal	03/02/2015
0001336995		Nexguard 22350	55	gal	03/02/2015
0001337056		Glucose Assay Reagent	50	ml	03/02/2015
0001337057		Glucose Assay Reagent	50	ml	03/02/2015
0001337010		DPD INDICATOR SOLUTION FOR ULTRA LOW RANGE CHLORINE	24	gm	03/02/2015
0001337009		DPD INDICATOR SOLUTION FOR ULTRA LOW RANGE CHLORINE	24	gm	03/02/2015
0001337008		DPD INDICATOR SOLUTION FOR ULTRA LOW RANGE CHLORINE	24	gm	03/02/2015
0001337007		DPD INDICATOR SOLUTION FOR ULTRA LOW RANGE CHLORINE	24	gm	03/02/2015
0001148942		Food Color	1	oz	03/02/2015
0001336990		Nexguard 22350	55	gal	03/02/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001337006		DPD INDICATOR SOLUTION FOR ULTRA LOW RANGE CHLORINE	24	gm	03/02/2015
0001336991		Nexguard 22350	55	gal	03/02/2015
0001336723	7664-93-9	SULFURIC ACID	500	ml	03/02/2015
0001337004	67-68-5	DIMETHYL SULFOXIDE	100	ml	03/02/2015
0001336999	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5	l	03/02/2015
0001337042	18497-13-7	CHLOROPLATINIC ACID, HEXAHYDRATE	1	gm	03/02/2015
0001337002	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5	l	03/02/2015
0001337001	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5	l	03/02/2015
0001336722	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5	l	03/02/2015
0001337041	10034-85-2	HYDRIODIC ACID	250	ml	03/02/2015
0001336993		Nexguard 22350	55	gal	03/02/2015
0001336994		Nexguard 22350	55	gal	03/02/2015
0001336721	7697-37-2	NITRIC ACID	2.5	l	03/02/2015
0001337054	9005-65-6	POLYOXYETHYLENE (20) SORBITAN MONOOLEATE (TWEEN 80)	100	gm	03/02/2015
0001336998	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5	l	03/02/2015
0001330368		EASYSAND 20	18	lb	03/02/2015
0001336988		Nexguard 22350	55	gal	03/02/2015
0001337055		Glucose Assay Reagent	50	ml	03/02/2015
0001330367		EASYSAND 20	18	lb	03/02/2015
0001336997	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5	l	03/02/2015
0001337043	10025-83-9	IRIDIUM (III) CHLORIDE	1	gm	03/02/2015
0001336989		Nexguard 22350	55	gal	03/02/2015
0001337062		Glucose Assay Reagent	50	ml	03/02/2015
0001337061		Glucose Assay Reagent	50	ml	03/02/2015
0001337060		Glucose Assay Reagent	50	ml	03/02/2015
0001337059		Glucose Assay Reagent	50	ml	03/02/2015
0001337058		Glucose Assay Reagent	50	ml	03/02/2015
0001310457		MOTOR OIL	1	gal	03/03/2015
0001310459		MOTOR OIL	1	gal	03/03/2015
0001310458		MOTOR OIL	1	gal	03/03/2015
0001310395		MOTOR OIL	1	qt	03/03/2015
0001310394		MOTOR OIL	1	qt	03/03/2015
0001310393		MOTOR OIL	1	qt	03/03/2015
0001360435		10% METHANE/90% ARGON	220	cf	03/03/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001310385		MOTOR OIL	1	qt	03/03/2015
0001310390		MOTOR OIL	1	qt	03/03/2015
0001310456		MOTOR OIL	1	gal	03/03/2015
0001310391		MOTOR OIL	1	qt	03/03/2015
0001310388		MOTOR OIL	1	qt	03/03/2015
0001310430		MOTOR OIL	1	qt	03/03/2015
0001310389		MOTOR OIL	1	qt	03/03/2015
0001310455		MOTOR OIL	1	gal	03/03/2015
0001310431		MOTOR OIL	1	qt	03/03/2015
0001310433		MOTOR OIL	1	qt	03/03/2015
0001310432		MOTOR OIL	1	qt	03/03/2015
0001310386		MOTOR OIL	1	qt	03/03/2015
0001310387		MOTOR OIL	1	qt	03/03/2015
0001310392		MOTOR OIL	1	qt	03/03/2015
0001337111		PRECISION CLEANING AGENT	12	oz	03/03/2015
0001310447		MOTOR OIL	1	gal	03/03/2015
0001310446		MOTOR OIL	1	gal	03/03/2015
0001310445		MOTOR OIL	1	gal	03/03/2015
0001310444		MOTOR OIL	1	gal	03/03/2015
0001310443		MOTOR OIL	1	gal	03/03/2015
0001310442		MOTOR OIL	1	gal	03/03/2015
0001360437		5% HYDROGEN/BAL. NITROGEN	220	cf	03/03/2015
0001337112		PRECISION CLEANING AGENT	12	oz	03/03/2015
0001337113		TISAB II WITH CDTA	3.8	l	03/03/2015
0001337110		PRECISION CLEANING AGENT	12	oz	03/03/2015
0001310440		MOTOR OIL	1	gal	03/03/2015
0001310439		MOTOR OIL	1	gal	03/03/2015
0001310438		MOTOR OIL	1	gal	03/03/2015
0001310437		MOTOR OIL	1	gal	03/03/2015
0001310436		MOTOR OIL	1	gal	03/03/2015
0001310328		QD ELECTRONIC CLEANER	11	oz	03/03/2015
0001310441		MOTOR OIL	1	gal	03/03/2015
0001360433		10% METHANE/90% ARGON	220	cf	03/03/2015
0001310383		MOTOR OIL	1	qt	03/03/2015
0001310454		MOTOR OIL	1	gal	03/03/2015
0001310453		MOTOR OIL	1	gal	03/03/2015
0001310329		MULTI-PURPOSE GREASE	14.1	oz	03/03/2015
0001360436		10% METHANE/90% ARGON	220	cf	03/03/2015
0001310316		193 GLOSS BLACK CHASSIS & GRILLE GUARD PAINT	12	oz	03/03/2015
0001360434		10% METHANE/90% ARGON	220	cf	03/03/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001310448		MOTOR OIL	1	gal	03/03/2015
0001360502	74-86-2	ACETYLENE	10	lb	03/03/2015
0001360428		10% METHANE/90% ARGON	220	cf	03/03/2015
0001360432		10% METHANE/90% ARGON	220	cf	03/03/2015
0001360431		10% METHANE/90% ARGON	220	cf	03/03/2015
0001360430		10% METHANE/90% ARGON	220	cf	03/03/2015
0001360429		10% METHANE/90% ARGON	220	cf	03/03/2015
0001310429		MOTOR OIL	1	qt	03/03/2015
0001337116	7681-49-4	FLUORIDE STANDARD (100 PPM F)	1	pt	03/03/2015
0001310384		MOTOR OIL	1	qt	03/03/2015
0001360501	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	03/03/2015
0001337119	7681-49-4	FLUORIDE STANDARD SOLUTION	475	ml	03/03/2015
0001360409		94% ARGON/6% HYDROGEN	220	cf	03/03/2015
0001337122	3473-63-0	FORMAMIDINE ACETATE (FORMAMIDINE ACETIC ACID SALT)	1	kg	03/03/2015
0001337121	67-64-1	ACETONE	4	l	03/03/2015
0001337115		2 Part Epoxy	0.5	pt	03/03/2015
0001360454	7440-37-1	ARGON	220	cf	03/03/2015
0001360455	7440-37-1	ARGON	220	cf	03/03/2015
0001360420	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/03/2015
0001337120		optimum results reference electrodes filling solution series	300	ml	03/03/2015
0001360421	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/03/2015
0001337118	7681-49-4	FLUORIDE STANDARD SOLUTION	475	ml	03/03/2015
0001337117	7681-49-4	FLUORIDE STANDARD SOLUTION	475	ml	03/03/2015
0001310350		MOTOR OIL	1	qt	03/03/2015
0001310349		MOTOR OIL	1	qt	03/03/2015
0001310348		MOTOR OIL	1	qt	03/03/2015
0001337077	Multi	Bacstain-CTC Rapid Staining Kit	60	mg	03/03/2015
0001310318		193 GLOSS BLACK CHASSIS & GRILLE GUARD PAINT	12	oz	03/03/2015
0001337114	110-00-9	FURAN	100	ml	03/03/2015
0001360438		5% HYDROGEN/BAL. NITROGEN	220	cf	03/03/2015
0001310351		MOTOR OIL	1	qt	03/03/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001310344		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	03/03/2015
0001310345		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	03/03/2015
0001310346		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	03/03/2015
0001310347		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	03/03/2015
0001360453	7440-37-1	ARGON	220	cf	03/03/2015
0001360419	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/03/2015
0001360439		5% HYDROGEN/BAL. NITROGEN	220	cf	03/03/2015
0001360410		94% ARGON/6% HYDROGEN	220	cf	03/03/2015
0001360408		94% ARGON/6% HYDROGEN	220	cf	03/03/2015
0001360427	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/03/2015
0001360426	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/03/2015
0001360425	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/03/2015
0001360424	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/03/2015
0001360423	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/03/2015
0001360422	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/03/2015
0001360440		5% HYDROGEN/BAL. NITROGEN	220	cf	03/03/2015
0001310317		193 GLOSS BLACK CHASSIS & GRILLE GUARD PAINT	12	oz	03/03/2015
0001337078	28718-90-3	Bacstain-DAPI Solution	100	ul	03/03/2015
0001310398		MOTOR OIL	1	qt	03/03/2015
0001310397		MOTOR OIL	1	qt	03/03/2015
0001310396		MOTOR OIL	1	qt	03/03/2015
0001331684		AP-D POWDER	1	kg	03/03/2015
0001310331		MULTI-PURPOSE GREASE	14.1	oz	03/03/2015
0001310450		MOTOR OIL	1	gal	03/03/2015
0001310401		MOTOR OIL	1	qt	03/03/2015
0001310451		MOTOR OIL	1	gal	03/03/2015
0001360418	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/03/2015
0001310319		193 GLOSS BLACK CHASSIS & GRILLE GUARD PAINT	12	oz	03/03/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001310320		193 GLOSS BLACK CHASSIS & GRILLE GUARD PAINT	12	oz	03/03/2015
0001310463		MOTOR OIL	1	gal	03/03/2015
0001310462		MOTOR OIL	1	gal	03/03/2015
0001310461		MOTOR OIL	1	gal	03/03/2015
0001310460		MOTOR OIL	1	gal	03/03/2015
0001310464		MOTOR OIL	1	gal	03/03/2015
0001310494		WINDSHIELD WASHER FLUID	1	gal	03/03/2015
0001310486		WINDSHIELD WASHER FLUID	1	gal	03/03/2015
0001310487		WINDSHIELD WASHER FLUID	1	gal	03/03/2015
0001310488		WINDSHIELD WASHER FLUID	1	gal	03/03/2015
0001310489		WINDSHIELD WASHER FLUID	1	gal	03/03/2015
0001310490		WINDSHIELD WASHER FLUID	1	gal	03/03/2015
0001310491		WINDSHIELD WASHER FLUID	1	gal	03/03/2015
0001310400		MOTOR OIL	1	qt	03/03/2015
0001310493		WINDSHIELD WASHER FLUID	1	gal	03/03/2015
0001310330		MULTI-PURPOSE GREASE	14.1	oz	03/03/2015
0001310495		WINDSHIELD WASHER FLUID	1	gal	03/03/2015
0001310496		WINDSHIELD WASHER FLUID	1	gal	03/03/2015
0001310343		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	03/03/2015
0001310466		MOTOR OIL	1	gal	03/03/2015
0001360458	7440-37-1	ARGON	220	cf	03/03/2015
0001360457	7440-37-1	ARGON	220	cf	03/03/2015
0001310452		MOTOR OIL	1	gal	03/03/2015
0001310492		WINDSHIELD WASHER FLUID	1	gal	03/03/2015
0001360446	74-98-6	PROPANE	50	lb	03/03/2015
0001360495	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/03/2015
0001360496	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/03/2015
0001360497	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/03/2015
0001360442	7440-59-7	HELIUM, ULTRA HIGH PURITY	50	lb	03/03/2015
0001360443	7440-59-7	HELIUM, ULTRA HIGH PURITY	50	lb	03/03/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001360444	7440-59-7	HELIUM, ULTRA HIGH PURITY	50	lb	03/03/2015
0001330378		fast setting cement	50	lb	03/03/2015
0001310427		MOTOR OIL	1	qt	03/03/2015
0001360445	7440-59-7	HELIUM, ULTRA HIGH PURITY	50	lb	03/03/2015
0001360398		94% ARGON/6% HYDROGEN	220	cf	03/03/2015
0001360447	74-98-6	PROPANE	50	lb	03/03/2015
0001360448	74-98-6	PROPANE	50	lb	03/03/2015
0001360449	74-98-6	PROPANE	50	lb	03/03/2015
0001360450	74-98-6	PROPANE	50	lb	03/03/2015
0001360451	74-86-2	ACETYLENE	130	lb	03/03/2015
0001360452	74-86-2	ACETYLENE	130	lb	03/03/2015
0001327824		910 ADHESIVE	3	oz	03/03/2015
0001330377		fast setting cement	50	lb	03/03/2015
0001310341		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	03/03/2015
0001360414	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/03/2015
0001327826		910 ADHESIVE	3	oz	03/03/2015
0001327827		910 ADHESIVE	3	oz	03/03/2015
0001327828		910 ADHESIVE	3	oz	03/03/2015
0001327829		910 ADHESIVE	3	oz	03/03/2015
0001327830		910 ADHESIVE	3	oz	03/03/2015
0001310338		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	03/03/2015
0001360400		94% ARGON/6% HYDROGEN	220	cf	03/03/2015
0001310340		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	03/03/2015
0001360399		94% ARGON/6% HYDROGEN	220	cf	03/03/2015
0001310342		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	03/03/2015
0001360492	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/03/2015
0001360493	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/03/2015
0001360494	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/03/2015
0001310375		MOTOR OIL	1	qt	03/03/2015
0001310374		MOTOR OIL	1	qt	03/03/2015
0001310373		MOTOR OIL	1	qt	03/03/2015
0001310428		MOTOR OIL	1	qt	03/03/2015
0001310339		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	03/03/2015
0001360464	7440-37-1	ARGON	220	cf	03/03/2015
0001360468	7440-37-1	ARGON	220	cf	03/03/2015
0001360467	7440-37-1	ARGON	220	cf	03/03/2015
0001360466	7440-37-1	ARGON	220	cf	03/03/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001360465	7440-37-1	ARGON	220	cf	03/03/2015
0001360499	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/03/2015
0001360498	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/03/2015
0001360407		94% ARGON/6% HYDROGEN	220	cf	03/03/2015
0001310426		MOTOR OIL	1	qt	03/03/2015
0001360405		94% ARGON/6% HYDROGEN	220	cf	03/03/2015
0001360471	7440-59-7	HELIUM, ULTRA HIGH PURITY	220	cf	03/03/2015
0001310408		MOTOR OIL	1	qt	03/03/2015
0001310409		MOTOR OIL	1	qt	03/03/2015
0001310410		MOTOR OIL	1	qt	03/03/2015
0001310411		MOTOR OIL	1	qt	03/03/2015
0001310412		MOTOR OIL	1	qt	03/03/2015
0001310413		MOTOR OIL	1	qt	03/03/2015
0001310414		MOTOR OIL	1	qt	03/03/2015
0001360406		94% ARGON/6% HYDROGEN	220	cf	03/03/2015
0001310417		MOTOR OIL	1	qt	03/03/2015
0001360401		94% ARGON/6% HYDROGEN	220	cf	03/03/2015
0001360402		94% ARGON/6% HYDROGEN	220	cf	03/03/2015
0001337124	109-89-7	DIETHYLAMINE	500	ml	03/03/2015
0001360403		94% ARGON/6% HYDROGEN	220	cf	03/03/2015
0001360404		94% ARGON/6% HYDROGEN	220	cf	03/03/2015
0001310420		MOTOR OIL	1	qt	03/03/2015
0001310419		MOTOR OIL	1	qt	03/03/2015
0001360469	7727-37-9	NITROGEN	220	cf	03/03/2015
0001310418		MOTOR OIL	1	qt	03/03/2015
0001360470	124-38-9	CARBON DIOXIDE	300	cf	03/03/2015
0001310416		MOTOR OIL	1	qt	03/03/2015
0001310465		MOTOR OIL	1	gal	03/03/2015
0001360456	7440-37-1	ARGON	220	cf	03/03/2015
0001360475	7440-59-7	HELIUM	40	cf	03/03/2015
0001360474	811-97-2	AIR	220	cf	03/03/2015
0001360473	124-38-9	CARBON DIOXIDE	220	cf	03/03/2015
0001360472	124-38-9	CARBON DIOXIDE	220	cf	03/03/2015
0001327823		910 ADHESIVE	3	oz	03/03/2015
0001330369		fast setting cement	50	lb	03/03/2015
0001360486	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/03/2015
0001310382		MOTOR OIL	1	qt	03/03/2015
0001310381		MOTOR OIL	1	qt	03/03/2015
0001310380		MOTOR OIL	1	qt	03/03/2015
0001310379		MOTOR OIL	1	qt	03/03/2015
0001310378		MOTOR OIL	1	qt	03/03/2015
0001337108		PRECISION CLEANING AGENT	12	oz	03/03/2015
0001310377		MOTOR OIL	1	qt	03/03/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001360478	7782-44-7	OXYGEN	20	cf	03/03/2015
0001360487	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/03/2015
0001360490	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/03/2015
0001360485	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/03/2015
0001360484	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/03/2015
0001360483	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/03/2015
0001360482	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/03/2015
0001360481	7727-37-9	NITROGEN	40	cf	03/03/2015
0001360480	7440-37-1	ARGON ULTRA HIGH PURITY	40	cf	03/03/2015
0001327825		910 ADHESIVE	3	oz	03/03/2015
0001360488	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/03/2015
0001310406		MOTOR OIL	1	qt	03/03/2015
0001360416	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/03/2015
0001360415	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/03/2015
0001310376		MOTOR OIL	1	qt	03/03/2015
0001360413	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/03/2015
0001310415		MOTOR OIL	1	qt	03/03/2015
0001310402		MOTOR OIL	1	qt	03/03/2015
0001310403		MOTOR OIL	1	qt	03/03/2015
0001337109		PRECISION CLEANING AGENT	12	oz	03/03/2015
0001310405		MOTOR OIL	1	qt	03/03/2015
0001360489	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/03/2015
0001310407		MOTOR OIL	1	qt	03/03/2015
0001310364		MOTOR OIL	1	qt	03/03/2015
0001310365		MOTOR OIL	1	qt	03/03/2015
0001310366		MOTOR OIL	1	qt	03/03/2015
0001360412	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/03/2015
0001360411		94% ARGON/6% HYDROGEN	220	cf	03/03/2015
0001360491	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/03/2015
0001360477	7782-44-7	OXYGEN	20	cf	03/03/2015
0001310404		MOTOR OIL	1	qt	03/03/2015
0001360519	7782-44-7	OXYGEN	24	cf	03/03/2015
0001310370		MOTOR OIL	1	qt	03/03/2015
0001310371		MOTOR OIL	1	qt	03/03/2015
0001310372		MOTOR OIL	1	qt	03/03/2015
0001310332		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	03/03/2015
0001310333		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	03/03/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001310334		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	03/03/2015
0001310335		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	03/03/2015
0001360479	7440-37-1	ARGON	20	cf	03/03/2015
0001310337		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	03/03/2015
0001310367		MOTOR OIL	1	qt	03/03/2015
0001360520	7782-44-7	OXYGEN	24	cf	03/03/2015
0001360521	7782-44-7	OXYGEN	24	cf	03/03/2015
0001360522	7782-44-7	OXYGEN	24	cf	03/03/2015
0001360523		Nitric Oxide/ Nitrogen	34	l	03/03/2015
0001360524		CALIBRATION GAS	34	l	03/03/2015
0001327821		910 ADHESIVE	3	oz	03/03/2015
0001327822		910 ADHESIVE	3	oz	03/03/2015
0001310336		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	03/03/2015
0001310315		SANDABLE PRIMER	12	oz	03/03/2015
0001360476	7440-59-7	HELIUM	40	cf	03/03/2015
0001337107		VERTREL CLEANING AGENT	12	oz	03/03/2015
0001337106		VERTREL CLEANING AGENT	12	oz	03/03/2015
0001310449		MOTOR OIL	1	gal	03/03/2015
0001337105		VERTREL CLEANING AGENT	12	oz	03/03/2015
0001337104		VERTREL CLEANING AGENT	12	oz	03/03/2015
0001337103	109-99-9	TETRAHYDROFURAN	1	l	03/03/2015
0001310369		MOTOR OIL	1	qt	03/03/2015
0001337101	105-05-5	1,4-DIETHYLBENZENE	25	ml	03/03/2015
0001310368		MOTOR OIL	1	qt	03/03/2015
0001310314		SANDABLE PRIMER	12	oz	03/03/2015
0001310313		SANDABLE PRIMER	12	oz	03/03/2015
0001310312		SANDABLE PRIMER	12	oz	03/03/2015
0001310311		SANDABLE PRIMER	12	oz	03/03/2015
0001360441		5% HYDROGEN/BAL. NITROGEN	220	cf	03/03/2015
0001310310		SANDABLE PRIMER	12	oz	03/03/2015
0001360397		94% ARGON/6% HYDROGEN	220	cf	03/03/2015
0001360417	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/03/2015
0001337102	105-05-5	1,4-DIETHYLBENZENE	25	ml	03/03/2015
0001310399		MOTOR OIL	1	qt	03/03/2015
0001310480		WINDSHIELD WASHER FLUID	1	gal	03/03/2015
0001310475		WINDSHIELD WASHER FLUID	1	gal	03/03/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001310476		WINDSHIELD WASHER FLUID	1	gal	03/03/2015
0001310477		WINDSHIELD WASHER FLUID	1	gal	03/03/2015
0001310478		WINDSHIELD WASHER FLUID	1	gal	03/03/2015
0001310474		WINDSHIELD WASHER FLUID	1	gal	03/03/2015
0001360518	7782-44-7	OXYGEN	24	cf	03/03/2015
0001310473		WINDSHIELD WASHER FLUID	1	gal	03/03/2015
0001360517	7782-44-7	OXYGEN	24	cf	03/03/2015
0001337123	1985-58-6	1,4-Bis(2-phenylethyl)benzene	1	gm	03/03/2015
0001360516	7782-44-7	OXYGEN	24	cf	03/03/2015
0001360515	7440-59-7	HELIUM	500	l	03/03/2015
0001360385	7440-59-7	HELIUM	100	l	03/03/2015
0001337091	2628-17-3	4-VINYLPHENOL 10% SOLUTION IN PROPYLENE GLYCOL	5	gm	03/03/2015
0001310479		WINDSHIELD WASHER FLUID	1	gal	03/03/2015
0001360460	7440-37-1	ARGON	220	cf	03/03/2015
0001337090	2628-17-3	4-VINYLPHENOL 10% SOLUTION IN PROPYLENE GLYCOL	5	gm	03/03/2015
0001360459	7440-37-1	ARGON	220	cf	03/03/2015
0001360377	7440-59-7	HELIUM	250	l	03/03/2015
0001360382	7440-59-7	HELIUM	100	l	03/03/2015
0001360383	7440-59-7	HELIUM	100	l	03/03/2015
0001360384	7440-59-7	HELIUM	100	l	03/03/2015
0001360462	7440-37-1	ARGON	220	cf	03/03/2015
0001310481		WINDSHIELD WASHER FLUID	1	gal	03/03/2015
0001360461	7440-37-1	ARGON	220	cf	03/03/2015
0001310434		MOTOR OIL	1	qt	03/03/2015
0001310467		MOTOR OIL	1	gal	03/03/2015
0001310468		WINDSHIELD WASHER FLUID	1	gal	03/03/2015
0001310470		WINDSHIELD WASHER FLUID	1	gal	03/03/2015
0001310472		WINDSHIELD WASHER FLUID	1	gal	03/03/2015
0001360463	7440-37-1	ARGON	220	cf	03/03/2015
0001310327		BRACLEEN	14	oz	03/03/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001360386	7440-59-7	HELIUM	100	l	03/03/2015
0001360500	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/03/2015
0001360394	7440-59-7	HELIUM	100	l	03/03/2015
0001360395	7440-59-7	HELIUM	100	l	03/03/2015
0001360396	7440-59-7	HELIUM	100	l	03/03/2015
0001310435		MOTOR OIL	1	qt	03/03/2015
0001310422		MOTOR OIL	1	qt	03/03/2015
0001360392	7440-59-7	HELIUM	100	l	03/03/2015
0001310326		BRACLEEN	14	oz	03/03/2015
0001310325		WD-40 NON-AEROSOL	20	oz	03/03/2015
0001310321		193 GLOSS BLACK CHASSIS & GRILLE GUARD PAINT	12	oz	03/03/2015
0001310322		193 GLOSS BLACK CHASSIS & GRILLE GUARD PAINT	12	oz	03/03/2015
0001310324		WHITE LITHIUM GREASE	10	oz	03/03/2015
0001310323		193 GLOSS BLACK CHASSIS & GRILLE GUARD PAINT	12	oz	03/03/2015
0001310421		MOTOR OIL	1	qt	03/03/2015
0001360513	7440-59-7	HELIUM	100	l	03/03/2015
0001310425		MOTOR OIL	1	qt	03/03/2015
0001310424		MOTOR OIL	1	qt	03/03/2015
0001310423		MOTOR OIL	1	qt	03/03/2015
0001310482		WINDSHIELD WASHER FLUID	1	gal	03/03/2015
0001310483		WINDSHIELD WASHER FLUID	1	gal	03/03/2015
0001360393	7440-59-7	HELIUM	100	l	03/03/2015
0001360387	7440-59-7	HELIUM	100	l	03/03/2015
0001310469		WINDSHIELD WASHER FLUID	1	gal	03/03/2015
0001310485		WINDSHIELD WASHER FLUID	1	gal	03/03/2015
0001360514	7440-59-7	HELIUM	100	l	03/03/2015
0001360388	7440-59-7	HELIUM	100	l	03/03/2015
0001360389	7440-59-7	HELIUM	100	l	03/03/2015
0001360390	7440-59-7	HELIUM	100	l	03/03/2015
0001360391	7440-59-7	HELIUM	100	l	03/03/2015
0001310484		WINDSHIELD WASHER FLUID	1	gal	03/03/2015
0001330374		fast setting cement	50	lb	03/03/2015
0001337100	7732-18-5	Amtax Expulsion Solution 237 mL	237	ml	03/03/2015
0001360511	7440-59-7	HELIUM	100	l	03/03/2015
0001360512	7440-59-7	HELIUM	100	l	03/03/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001360378	7440-59-7	HELIUM	100	l	03/03/2015
0001360379	7440-59-7	HELIUM	100	l	03/03/2015
0001360380	7440-59-7	HELIUM	100	l	03/03/2015
0001360381	7440-59-7	HELIUM	100	l	03/03/2015
0001337099	7732-18-5	Amtax Expulsion Solution 237 mL	237	ml	03/03/2015
0001330375		fast setting cement	50	lb	03/03/2015
0001310363		MOTOR OIL	1	qt	03/03/2015
0001330373		fast setting cement	50	lb	03/03/2015
0001330372		fast setting cement	50	lb	03/03/2015
0001330371		fast setting cement	50	lb	03/03/2015
0001330370		fast setting cement	50	lb	03/03/2015
0001337089	308080-99-1	MOLECULAR SIEVES 3A, 4-8 MESH	1	kg	03/03/2015
0001337088	7440-45-1	CERIUM	50	gm	03/03/2015
0001337087	57-55-6	PROPYLENE GLYCOL	55	gal	03/03/2015
0001330376		fast setting cement	50	lb	03/03/2015
0001310355		MOTOR OIL	1	qt	03/03/2015
0001360510	7440-59-7	HELIUM	100	l	03/03/2015
0001360509	74-82-8	METHANE	220	cf	03/03/2015
0001360508		10% METHANE/90% ARGON	40	cf	03/03/2015
0001360507	74-86-2	ACETYLENE	240	lb	03/03/2015
0001360506	74-86-2	ACETYLENE	240	lb	03/03/2015
0001360505	74-86-2	ACETYLENE	240	lb	03/03/2015
0001310352		MOTOR OIL	1	qt	03/03/2015
0001360504	74-86-2	ACETYLENE	240	lb	03/03/2015
0001310354		MOTOR OIL	1	qt	03/03/2015
0001310471		WINDSHIELD WASHER FLUID	1	gal	03/03/2015
0001310356		MOTOR OIL	1	qt	03/03/2015
0001310357		MOTOR OIL	1	qt	03/03/2015
0001310358		MOTOR OIL	1	qt	03/03/2015
0001310359		MOTOR OIL	1	qt	03/03/2015
0001310360		MOTOR OIL	1	qt	03/03/2015
0001310361		MOTOR OIL	1	qt	03/03/2015
0001310362		MOTOR OIL	1	qt	03/03/2015
0001360503	74-86-2	ACETYLENE	130	lb	03/03/2015
0001310353		MOTOR OIL	1	qt	03/03/2015
0001337093	7732-18-5	Amtax Expulsion Solution 237 mL	237	ml	03/03/2015
0001337094	7732-18-5	Amtax Expulsion Solution 237 mL	237	ml	03/03/2015
0001337095	7732-18-5	Amtax Expulsion Solution 237 mL	237	ml	03/03/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001337096	7732-18-5	Amtax Expulsion Solution 237 mL	237	ml	03/03/2015
0001337097	7732-18-5	Amtax Expulsion Solution 237 mL	237	ml	03/03/2015
0001337098	7732-18-5	Amtax Expulsion Solution 237 mL	237	ml	03/03/2015
0001337092	2628-17-3	4-VINYLPHENOL 10% SOLUTION IN PROPYLENE GLYCOL	5	gm	03/03/2015
0001330387		PRIMER-70 PURPLE PRIMER	1	qt	03/04/2015
0001330391		PRIMER-70 PURPLE PRIMER	1	qt	03/04/2015
0001330388		PRIMER-70 PURPLE PRIMER	1	qt	03/04/2015
0001330386		PRIMER-70 PURPLE PRIMER	1	qt	03/04/2015
0001330385		PVC-27 COLD-N-HOT PVC PLASTIC PIPE CEMENT, MEDIUM BODY	1	qt	03/04/2015
0001330384		PVC-27 COLD-N-HOT PVC PLASTIC PIPE CEMENT, MEDIUM BODY	1	qt	03/04/2015
0001330383		PVC-27 COLD-N-HOT PVC PLASTIC PIPE CEMENT, MEDIUM BODY	1	qt	03/04/2015
0001330382		PVC-27 COLD-N-HOT PVC PLASTIC PIPE CEMENT, MEDIUM BODY	1	qt	03/04/2015
0001337239	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337294	7782-92-5	SODIUM AMIDE	250	gm	03/05/2015
0001337258		AEROKROIL LUBRICANT SPRAY	13	oz	03/05/2015
0001337295	75-05-8	ACETONITRILE	1	l	03/05/2015
0001337216	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337217	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337237	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337238	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001330390		fast setting cement	50	lb	03/05/2015
0001337219	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337250	1314-61-0	TANTALUM OXIDE	1	kg	03/05/2015
0001337242	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337240	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337218	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337276		AEROKROIL LUBRICANT SPRAY	13	oz	03/05/2015
0001337293	7440-03-1	NIOBIUM	500	ml	03/05/2015
0001337275		AEROKROIL LUBRICANT SPRAY	13	oz	03/05/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001337274		AEROKROIL LUBRICANT SPRAY	13	oz	03/05/2015
0001337220	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337244	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337241	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337243	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337252	513-77-9	BARIUM CARBONATE	10	kg	03/05/2015
0001337174	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337208	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337209	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337210	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337211	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337212	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337213	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337214	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337215	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337173	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337301		HYDRANAL COULMAT	500	ml	03/05/2015
0001337185	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337171	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337292	50-99-7	DEXTROSE, ANHYDROUS	500	gm	03/05/2015
0001337187	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001331715	1310-73-2	Sodium Hydroxide 25%	3400	lb	03/05/2015
0001331716	1310-73-2	Sodium Hydroxide 25%	3400	lb	03/05/2015
0001331717	1310-73-2	Sodium Hydroxide 25%	3400	lb	03/05/2015
0001331718	1310-73-2	Sodium Hydroxide 25%	3400	lb	03/05/2015
0001331719	1310-73-2	Sodium Hydroxide 25%	3400	lb	03/05/2015
0001337228	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337186	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337236	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337290	111-87-5	1-OCTANOL	250	ml	03/05/2015
0001337291	50-99-7	DEXTROSE, ANHYDROUS	500	gm	03/05/2015
0001337302		HYDRANAL COULMAT	500	ml	03/05/2015
0001337300		HYDRANAL COULMAT	500	ml	03/05/2015
0001337245	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337167	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337168	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337169	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337170	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337255		AEROKROIL LUBRICANT SPRAY	13	oz	03/05/2015
0001330379		fast setting cement	50	lb	03/05/2015
0001337256		AEROKROIL LUBRICANT SPRAY	13	oz	03/05/2015
0001330389		fast setting cement	50	lb	03/05/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001337257		AEROKROIL LUBRICANT SPRAY	13	oz	03/05/2015
0001337230	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337183	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337299		HYDRANAL COULMAT	500	ml	03/05/2015
0001310499		DRY FILM MOLY LUBRICANT LU 200	11	oz	03/05/2015
0001310498		DRY FILM MOLY LUBRICANT LU 200	11	oz	03/05/2015
0001310497		CHAIN AND CABLE FLUID	11	oz	03/05/2015
0001337207	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337182	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001331713	7732-18-5	Hydrochloric Acid 30-31%	3000	lb	03/05/2015
0001337181	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337180	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337162	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337163	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337164	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337184	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337223	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337234	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337233	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337232	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337231	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337165	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337229	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337179	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337227	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337221	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337226	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337225	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337246	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337222	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337172	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001331619	Multi	Specifast	150	gm	03/05/2015
0001337296	7697-37-2	NITRIC ACID	6.5	gal	03/05/2015
0001337297		HYDRANAL COULMAT	500	ml	03/05/2015
0001337277		AEROKROIL LUBRICANT SPRAY	13	oz	03/05/2015
0001337278		AEROKROIL LUBRICANT SPRAY	13	oz	03/05/2015
0001337279		AEROKROIL LUBRICANT SPRAY	13	oz	03/05/2015
0001337280		AEROKROIL LUBRICANT SPRAY	13	oz	03/05/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001337281		AEROKROIL LUBRICANT SPRAY	13	oz	03/05/2015
0001337166	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337298		HYDRANAL COULMAT	500	ml	03/05/2015
0001337235	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337224	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337178	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337177	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001330380		fast setting cement	50	lb	03/05/2015
0001337136		BUFFER PH 7.00	500	ml	03/05/2015
0001337137		BUFFER PH 7.00	500	ml	03/05/2015
0001337138		BUFFER PH 7.00	500	ml	03/05/2015
0001337190	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337273		AEROKROIL LUBRICANT SPRAY	13	oz	03/05/2015
0001337189	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337272		AEROKROIL LUBRICANT SPRAY	13	oz	03/05/2015
0001280025		TAPMATIC NATURAL CUTTING FLUID	16	oz	03/05/2015
0001330394		EASY SAND 45	18	lb	03/05/2015
0001337271		AEROKROIL LUBRICANT SPRAY	13	oz	03/05/2015
0001337270		AEROKROIL LUBRICANT SPRAY	13	oz	03/05/2015
0001280021		TAPMATIC NATURAL CUTTING FLUID	16	oz	03/05/2015
0001280024		TAPMATIC NATURAL CUTTING FLUID	16	oz	03/05/2015
0001337286		AEROKROIL LUBRICANT SPRAY	13	oz	03/05/2015
0001280022		TAPMATIC NATURAL CUTTING FLUID	16	oz	03/05/2015
0001337188	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001280023		TAPMATIC NATURAL CUTTING FLUID	16	oz	03/05/2015
0001337283		AEROKROIL LUBRICANT SPRAY	13	oz	03/05/2015
0001337206	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001330381		fast setting cement	50	lb	03/05/2015
0001337285		AEROKROIL LUBRICANT SPRAY	13	oz	03/05/2015
0001330395		EASY SAND 45	18	lb	03/05/2015
0001337287		AEROKROIL LUBRICANT SPRAY	13	oz	03/05/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001337288		AEROKROIL LUBRICANT SPRAY	13	oz	03/05/2015
0001337289	111-87-5	1-OCTANOL	250	ml	03/05/2015
0001337192	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337191	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001330393		JOINT COMPOUND READY-TO-USE	60	lb	03/05/2015
0001337284		AEROKROIL LUBRICANT SPRAY	13	oz	03/05/2015
0001337249		AG MP-1M RESIN	500	gm	03/05/2015
0001337269		AEROKROIL LUBRICANT SPRAY	13	oz	03/05/2015
0001337080	75-09-2	METHYLENE CHLORIDE	4	l	03/05/2015
0001337081	75-09-2	METHYLENE CHLORIDE	4	l	03/05/2015
0001331714	7732-18-5	Hydrochloric Acid 30-31%	3000	lb	03/05/2015
0001330396		EASY SAND 45	18	lb	03/05/2015
0001337079	1310-58-3	POTASSIUM HYDROXIDE	1	kg	03/05/2015
0001280020		TAPMATIC NATURAL CUTTING FLUID	16	oz	03/05/2015
0001337144	79-37-8	OXALYL CHLORIDE	50	gm	03/05/2015
0001337248	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337247	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001280019		TAPMATIC NATURAL CUTTING FLUID	16	oz	03/05/2015
0001280018		TAPMATIC NATURAL CUTTING FLUID	16	oz	03/05/2015
0001337176	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337251	1309-48-4	MAGNESIUM OXIDE	5	kg	03/05/2015
0001330397		EASY SAND 45	18	lb	03/05/2015
0001330392		JOINT COMPOUND READY-TO-USE	60	lb	03/05/2015
0001337139		BUFFER PH 7.00	500	ml	03/05/2015
0001337140		BUFFER PH 7.00	500	ml	03/05/2015
0001280016		TAPMATIC NATURAL CUTTING FLUID	16	oz	03/05/2015
0001280017		TAPMATIC NATURAL CUTTING FLUID	16	oz	03/05/2015
0001337141		BUFFER PH 7.00	500	ml	03/05/2015
0001337145	67-64-1	ACETONE	200	l	03/05/2015
0001337175	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337282		AEROKROIL LUBRICANT SPRAY	13	oz	03/05/2015
0001310511		DIESEL EXHAUST FLUID	2.5	gal	03/05/2015
0001330399		EASY SAND 45	18	lb	03/05/2015
0001330398		EASY SAND 45	18	lb	03/05/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001337254		AEROKROIL LUBRICANT SPRAY	13	oz	03/05/2015
0001337253		AEROKROIL LUBRICANT SPRAY	13	oz	03/05/2015
0001337143	28469-92-3	2,6-DICHLOROSTYRENE	25	gm	03/05/2015
0001337142		PALLADIUM ON CARBON 5%	25	gm	03/05/2015
0001310510		ANTIFREEZE/COOLANT	1	gal	03/05/2015
0001337263		AEROKROIL LUBRICANT SPRAY	13	oz	03/05/2015
0001337264		AEROKROIL LUBRICANT SPRAY	13	oz	03/05/2015
0001337265		AEROKROIL LUBRICANT SPRAY	13	oz	03/05/2015
0001337266		AEROKROIL LUBRICANT SPRAY	13	oz	03/05/2015
0001337267		AEROKROIL LUBRICANT SPRAY	13	oz	03/05/2015
0001337268		AEROKROIL LUBRICANT SPRAY	13	oz	03/05/2015
0001310507		CARB AND CHOKE CLEANER	13	oz	03/05/2015
0001337161	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337260		AEROKROIL LUBRICANT SPRAY	13	oz	03/05/2015
0001337082	75-09-2	METHYLENE CHLORIDE	4	l	03/05/2015
0001337083	75-09-2	METHYLENE CHLORIDE	4	l	03/05/2015
0001337125	2628-17-3	4-VINYLPHENOL 10% SOLUTION IN PROPYLENE GLYCOL	5	gm	03/05/2015
0001337127	112-80-1	OLEIC ACID	1000	ml	03/05/2015
0001337128	109-99-9	TETRAHYDROFURAN	2	l	03/05/2015
0001310509		ANTIFREEZE/COOLANT	1	gal	03/05/2015
0001310508		THREADLOCKER RED	0.34	oz	03/05/2015
0001337160	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337196	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337205	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337204	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337203	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337202	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337201	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337200	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337199	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337262		AEROKROIL LUBRICANT SPRAY	13	oz	03/05/2015
0001337197	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001337261		AEROKROIL LUBRICANT SPRAY	13	oz	03/05/2015
0001337195	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337194	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337134	3140-73-6	2-CHLORO-4,6-DIMETHOXY-1,3,5-TRIAZINE	5	gm	03/05/2015
0001337135	3140-73-6	2-CHLORO-4,6-DIMETHOXY-1,3,5-TRIAZINE	5	gm	03/05/2015
0001337159	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001337259		AEROKROIL LUBRICANT SPRAY	13	oz	03/05/2015
0001337126	112-80-1	OLEIC ACID	1000	ml	03/05/2015
0001337198	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001317211		Tru-Blue Thread Sealant	1.75	oz	03/05/2015
0001337193	7697-37-2	NIT ACID R ACS SAF 6x21	2.5	l	03/05/2015
0001317210		Tru-Blue Thread Sealant	1.75	oz	03/05/2015
0001337084		Urban Particulate Matter	2	gm	03/05/2015
0001337132	7440-67-7	ZIRCONIUM	25	gm	03/05/2015
0001310506		CARB AND CHOKE CLEANER	13	oz	03/05/2015
0001317212		Tru-Blue Thread Sealant	1.75	oz	03/05/2015
0001317213		Tru-Blue Thread Sealant	1.75	oz	03/05/2015
0001317214		PIPE CLEANER LOW VOC	16	oz	03/05/2015
0001328379		PVC CEMENT	16	oz	03/05/2015
0001310500		732 MULTI-PURPOSE SEALANT CLEAR	10.1	oz	03/05/2015
0001310501		CARB AND CHOKE CLEANER	13	oz	03/05/2015
0001310502		CARB AND CHOKE CLEANER	13	oz	03/05/2015
0001337131	109-99-9	TETRAHYDROFURAN	2	l	03/05/2015
0001310504		CARB AND CHOKE CLEANER	13	oz	03/05/2015
0001337133	7440-67-7	ZIRCONIUM	25	gm	03/05/2015
0001310503		CARB AND CHOKE CLEANER	13	oz	03/05/2015
0001337129	109-99-9	TETRAHYDROFURAN	2	l	03/05/2015
0001310505		CARB AND CHOKE CLEANER	13	oz	03/05/2015
0001337130	109-99-9	TETRAHYDROFURAN	2	l	03/05/2015
0001330425		SODA ASH	50	lb	03/06/2015
0001330419		SODA ASH	50	lb	03/06/2015
0001330420		SODA ASH	50	lb	03/06/2015
0001330424		SODA ASH	50	lb	03/06/2015
0001330447		SODA ASH	50	lb	03/06/2015
0001330456		SODA ASH	50	lb	03/06/2015
0001330448		SODA ASH	50	lb	03/06/2015
0001330449		SODA ASH	50	lb	03/06/2015
0001330450		SODA ASH	50	lb	03/06/2015
0001330451		SODA ASH	50	lb	03/06/2015
0001330452		SODA ASH	50	lb	03/06/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001330453		SODA ASH	50	lb	03/06/2015
0001330427		SODA ASH	50	lb	03/06/2015
0001330446		SODA ASH	50	lb	03/06/2015
0001330423		SODA ASH	50	lb	03/06/2015
0001330462		BLACK JACK ROOF GARD 700	5	gal	03/06/2015
0001330460		BLACK JACK ROOF GARD 700	5	gal	03/06/2015
0001330445		SODA ASH	50	lb	03/06/2015
0001330463		BLACK JACK ROOF GARD 700	5	gal	03/06/2015
0001330426		SODA ASH	50	lb	03/06/2015
0001330404		SODA ASH	50	lb	03/06/2015
0001330444		SODA ASH	50	lb	03/06/2015
0001330403		SODA ASH	50	lb	03/06/2015
0001330466		BLACK JACK ROOF GARD 700	5	gal	03/06/2015
0001330459		BLACK JACK ROOF GARD 700	5	gal	03/06/2015
0001330464		BLACK JACK ROOF GARD 700	5	gal	03/06/2015
0001330458		BLACK JACK ROOF GARD 700	5	gal	03/06/2015
0001330457		BLACK JACK ROOF GARD 700	5	gal	03/06/2015
0001330461		BLACK JACK ROOF GARD 700	5	gal	03/06/2015
0001330439		SODA ASH	50	lb	03/06/2015
0001330443		SODA ASH	50	lb	03/06/2015
0001330432		SODA ASH	50	lb	03/06/2015
0001330455		SODA ASH	50	lb	03/06/2015
0001330434		SODA ASH	50	lb	03/06/2015
0001330435		SODA ASH	50	lb	03/06/2015
0001330436		SODA ASH	50	lb	03/06/2015
0001330431		SODA ASH	50	lb	03/06/2015
0001330438		SODA ASH	50	lb	03/06/2015
0001330430		SODA ASH	50	lb	03/06/2015
0001330440		SODA ASH	50	lb	03/06/2015
0001330441		SODA ASH	50	lb	03/06/2015
0001330442		SODA ASH	50	lb	03/06/2015
0001330416		SODA ASH	50	lb	03/06/2015
0001330417		SODA ASH	50	lb	03/06/2015
0001330418		SODA ASH	50	lb	03/06/2015
0001330437		SODA ASH	50	lb	03/06/2015
0001330413		SODA ASH	50	lb	03/06/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001330407		SODA ASH	50	lb	03/06/2015
0001330406		SODA ASH	50	lb	03/06/2015
0001330405		SODA ASH	50	lb	03/06/2015
0001330408		SODA ASH	50	lb	03/06/2015
0001330409		SODA ASH	50	lb	03/06/2015
0001330410		SODA ASH	50	lb	03/06/2015
0001330454		SODA ASH	50	lb	03/06/2015
0001330412		SODA ASH	50	lb	03/06/2015
0001330433		SODA ASH	50	lb	03/06/2015
0001330414		SODA ASH	50	lb	03/06/2015
0001330415		SODA ASH	50	lb	03/06/2015
0001330422		SODA ASH	50	lb	03/06/2015
0001330421		SODA ASH	50	lb	03/06/2015
0001330428		SODA ASH	50	lb	03/06/2015
0001330429		SODA ASH	50	lb	03/06/2015
0001330411		SODA ASH	50	lb	03/06/2015
0001330465		BLACK JACK ROOF GARD 700	5	gal	03/06/2015
0001330402	65997-15-1	PORTLAND CEMENT	90	lb	03/06/2015
0001289893		RUST COAT ENAMEL	12	oz	03/06/2015
0001330400	65997-15-1	PORTLAND CEMENT	90	lb	03/06/2015
0001330401	65997-15-1	PORTLAND CEMENT	90	lb	03/06/2015
0001337326		CLOROX	1	gal	03/09/2015
0001337336		CLOROX	1	gal	03/09/2015
0001337152	69991-67-9	FOMBLIN YL-VAC 06/6	1	kg	03/09/2015
0001337147	7719-12-2	PHOSPHORUS TRICHLORIDE	10000	gm	03/09/2015
0001337341		CLOROX	1	gal	03/09/2015
0001337340		CLOROX	1	gal	03/09/2015
0001337304		PBS: PHOSPHATE BUFFERED SOLUTION	1000	ml	03/09/2015
0001337344		CLOROX	1	gal	03/09/2015
0001337156		1X PBS Solution	1000	ml	03/09/2015
0001337359	9002-18-0	AGAR	250	gm	03/09/2015
0001337305		PBS: PHOSPHATE BUFFERED SOLUTION	1000	ml	03/09/2015
0001337343		CLOROX	1	gal	03/09/2015
0001337335		CLOROX	1	gal	03/09/2015
0001337345		CLOROX	1	gal	03/09/2015
0001337146		WD-40 LUBRICANT	8	oz	03/09/2015
0001337148	1310-73-2	SODIUM HYDROXIDE 50% SOLUTION	4	l	03/09/2015
0001337149	1310-73-2	SODIUM HYDROXIDE 50% SOLUTION	4	l	03/09/2015
0001337337		CLOROX	1	gal	03/09/2015
0001337338		CLOROX	1	gal	03/09/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001337339		CLOROX	1	gal	03/09/2015
0001331723		NALCO 7408 CHLORINE SCAVENGER SOLUTION	2209	lb	03/09/2015
0001337150	1310-73-2	SODIUM HYDROXIDE 50% SOLUTION	4	l	03/09/2015
0001337342		CLOROX	1	gal	03/09/2015
0001337330		CLOROX	1	gal	03/09/2015
0001337325		CLOROX	1	gal	03/09/2015
0001337324		CLOROX	1	gal	03/09/2015
0001337157	538-75-0	N,N'-DICYCLOHEXYLCARBODIIMIDE	100	gm	03/09/2015
0001337311	7789-23-3	POTASSIUM FLUORIDE	100	gm	03/09/2015
0001337308	7447-39-4	COPPER(II) CHLORIDE	50	gm	03/09/2015
0001337307	121-43-7	TRIMETHYL BORATE	100	ml	03/09/2015
0001337323		CLOROX	1	gal	03/09/2015
0001337322		CLOROX	1	gal	03/09/2015
0001337321		CLOROX	1	gal	03/09/2015
0001337320		CLOROX	1	gal	03/09/2015
0001337327		CLOROX	1	gal	03/09/2015
0001337348		CLOROX	1	gal	03/09/2015
0001337329		CLOROX	1	gal	03/09/2015
0001310513		ANTIFREEZE/COOLANT	1	gal	03/09/2015
0001337355		LB BROTH	500	ml	03/09/2015
0001337354	7732-18-5	DEIONIZED WATER	1	l	03/09/2015
0001337353	6018-89-9	NICKEL(II) ACETATE TETRAHYDRATE	100	gm	03/09/2015
0001337158	1122-58-3	4-(DIMETHYLAMINO)PYRIDINE	25	gm	03/09/2015
0001337331		CLOROX	1	gal	03/09/2015
0001337332		CLOROX	1	gal	03/09/2015
0001337333		CLOROX	1	gal	03/09/2015
0001337303		PBS: PHOSPHATE BUFFERED SOLUTION	1000	ml	03/09/2015
0001337334		CLOROX	1	gal	03/09/2015
0001337151	1310-73-2	SODIUM HYDROXIDE 50% SOLUTION	4	l	03/09/2015
0001337349		CLOROX	1	gal	03/09/2015
0001337328		CLOROX	1	gal	03/09/2015
0001331219		CLOROX	1	gal	03/09/2015
0001310512		ANTIFREEZE/COOLANT	1	gal	03/09/2015
0001337352	1762-95-4	AMMONIUM THIOCYANATE	100	gm	03/09/2015
0001337358	10042-88-3	TERBIUM(III) CHLORIDE, ANHYDROUS	1	gm	03/09/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001337357		CHITINASE ASSAY KIT, FLUORIMETRIC	5	ml	03/09/2015
0001337347		CLOROX	1	gal	03/09/2015
0001328918		OMEGABOND 600	8	oz	03/09/2015
0001328919		OMEGABOND 600	8	oz	03/09/2015
0001328915		OMEGABOND 400	8	oz	03/09/2015
0001328916		OMEGABOND 400	8	oz	03/09/2015
0001337154	69991-67-9	FOMBLIN YL-VAC 06/6	1	kg	03/09/2015
0001337319		CLOROX	1	gal	03/09/2015
0001337316		CLOROX	1	gal	03/09/2015
0001328917		OMEGABOND 400	8	oz	03/09/2015
0001337317		CLOROX	1	gal	03/09/2015
0001337318		CLOROX	1	gal	03/09/2015
0001337315		CLOROX	1	gal	03/09/2015
0001337314		CLOROX	1	gal	03/09/2015
0001337313		CLOROX	1	gal	03/09/2015
0001337310	108-24-7	ACETIC ANHYDRIDE	500	ml	03/09/2015
0001331221		CLOROX	1	gal	03/09/2015
0001331220		CLOROX	1	gal	03/09/2015
0001337309	58479-61-1	TERT-BUTYLCHLORODIPHENYLSILANE	10	gm	03/09/2015
0001337346		CLOROX	1	gal	03/09/2015
0001337153	69991-67-9	FOMBLIN YL-VAC 06/6	1	kg	03/09/2015
0001337351		CLOROX	1	gal	03/09/2015
0001337306		PBS: PHOSPHATE BUFFERED SOLUTION	1000	ml	03/09/2015
0001331721		JB WELD	1	oz	03/09/2015
0001337356	9016-17-5	Sulfatase, from abalone entrails	500	ml	03/09/2015
0001337155	69991-67-9	FOMBLIN YL-VAC 06/6	1	kg	03/09/2015
0001331722	7732-18-5	Hydrochloric Acid 30-31%	3000	lb	03/09/2015
0001337350		CLOROX	1	gal	03/09/2015
0001337312	107-15-3	ETHYLENEDIAME	100	ml	03/09/2015
0001328920		OMEGATHERM 201	2	oz	03/09/2015
0001280046		SILASTIC 732 RTV ADHESIVE /SEALANT	4.7	oz	03/10/2015
0001338098		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001338065		1-DIMETHYLAMINO-2-PROPANOL	250	ml	03/10/2015
0001280047		SILASTIC 732 RTV ADHESIVE /SEALANT	4.7	oz	03/10/2015
0001280049		SILASTIC 732 RTV ADHESIVE /SEALANT	4.7	oz	03/10/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001280051		SILASTIC 732 RTV ADHESIVE /SEALANT	4.7	oz	03/10/2015
0001338099		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001280052		SILASTIC 732 RTV ADHESIVE /SEALANT	4.7	oz	03/10/2015
0001338068		TURBIDITY STANDARD	60	ml	03/10/2015
0001338095		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001280050		SILASTIC 732 RTV ADHESIVE /SEALANT	4.7	oz	03/10/2015
0001338067	60-29-7	DIETHYL ETHER	1	l	03/10/2015
0001310520		WEST R-630	573	lb	03/10/2015
0001310521		WEST R-630	573	lb	03/10/2015
0001310519		WEST R-630	573	lb	03/10/2015
0001310522		WEST R-630	573	lb	03/10/2015
0001310523		WEST R-630	573	lb	03/10/2015
0001338097		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001310518		WEST R-630	573	lb	03/10/2015
0001338064	75-05-8	ACETONITRILE ANHYDROUS	100	ml	03/10/2015
0001310524		WEST R-630	573	lb	03/10/2015
0001310525		WEST R-630	573	lb	03/10/2015
0001330467	65997-15-1	PORTLAND CEMENT	90	lb	03/10/2015
0001330468	65997-15-1	PORTLAND CEMENT	90	lb	03/10/2015
0001338066	111-65-9	OCTANE (OCTANE, ANHYDROUS)	1	l	03/10/2015
0001330469	65997-15-1	PORTLAND CEMENT	90	lb	03/10/2015
0001280048		SILASTIC 732 RTV ADHESIVE /SEALANT	4.7	oz	03/10/2015
0001279908		TAPMATIC NATURAL CUTTING FLUID	16	oz	03/10/2015
0001279916		TAPMATIC NATURAL CUTTING FLUID	16	oz	03/10/2015
0001279915		TAPMATIC NATURAL CUTTING FLUID	16	oz	03/10/2015
0001279914		TAPMATIC NATURAL CUTTING FLUID	16	oz	03/10/2015
0001279913		TAPMATIC NATURAL CUTTING FLUID	16	oz	03/10/2015
0001279912		TAPMATIC NATURAL CUTTING FLUID	16	oz	03/10/2015
0001279911		TAPMATIC NATURAL CUTTING FLUID	16	oz	03/10/2015
0001279927		PROTAP CUTTING FLUID	16	oz	03/10/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001279909		TAPMATIC NATURAL CUTTING FLUID	16	oz	03/10/2015
0001279919		PROTAP CUTTING FLUID	16	oz	03/10/2015
0001279907		TAPMATIC NATURAL CUTTING FLUID	16	oz	03/10/2015
0001279906		TAPMATIC NATURAL CUTTING FLUID	16	oz	03/10/2015
0001279944		5 MINUTE EPOXY	1	oz	03/10/2015
0001279943		5 MINUTE EPOXY	1	oz	03/10/2015
0001279942		5 MINUTE EPOXY	1	oz	03/10/2015
0001279941		5 MINUTE EPOXY	1	oz	03/10/2015
0001279940		5 MINUTE EPOXY	1	oz	03/10/2015
0001279910		TAPMATIC NATURAL CUTTING FLUID	16	oz	03/10/2015
0001338151	13154-24-0	TRIISOPROPYLSILYL CHLORIDE	10	gm	03/10/2015
0001279881		MOBIL VACTRA OIL NO. 2	5	gal	03/10/2015
0001279929		PROTAP CUTTING FLUID	16	oz	03/10/2015
0001279930		PROTAP CUTTING FLUID	16	oz	03/10/2015
0001279882		BOELUBE	12	oz	03/10/2015
0001279883		BOELUBE	12	oz	03/10/2015
0001338147	68-12-2	N,N-DIMETHYLFORMAMIDE	100	ml	03/10/2015
0001338148	68-12-2	N,N-DIMETHYLFORMAMIDE	100	ml	03/10/2015
0001279917		TAPMATIC NATURAL CUTTING FLUID	16	oz	03/10/2015
0001338150	7758-09-0	POTASSIUM NITRITE	500	gm	03/10/2015
0001279918		TAPMATIC NATURAL CUTTING FLUID	16	oz	03/10/2015
0001338152	311-28-4	TETRABUTYLAMMONIUM IODIDE	25	gm	03/10/2015
0001338153	107-46-0	HEXAMETHYLDISILOXANE	100	ml	03/10/2015
0001338155	75-84-3	NEOPENTYL ALCOHOL	10	gm	03/10/2015
0001338154	2001-45-8	TETRAPHENYLPHOSPHONIUM CHLORIDE	10	gm	03/10/2015
0001338127		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001338128		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001279812		super lube w/multi purpose synthetic lubricant w/teflon	3	oz	03/10/2015
0001338149	7758-09-0	POTASSIUM NITRITE	500	gm	03/10/2015
0001310529		WEST R-630	573	lb	03/10/2015
0001279939		5 MINUTE EPOXY	1	oz	03/10/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001338030	105333-10-6	(n5-2,4-Cyclopentadien-1-yl)[(1,2,3-n)-1-phenyl-2-propenyl]-palladium	100	mg	03/10/2015
0001338031	105333-10-6	(n5-2,4-Cyclopentadien-1-yl)[(1,2,3-n)-1-phenyl-2-propenyl]-palladium	100	mg	03/10/2015
0001338032	105333-10-6	(n5-2,4-Cyclopentadien-1-yl)[(1,2,3-n)-1-phenyl-2-propenyl]-palladium	100	mg	03/10/2015
0001338033	105333-10-6	(n5-2,4-Cyclopentadien-1-yl)[(1,2,3-n)-1-phenyl-2-propenyl]-palladium	100	mg	03/10/2015
0001338034	105333-10-6	(n5-2,4-Cyclopentadien-1-yl)[(1,2,3-n)-1-phenyl-2-propenyl]-palladium	100	mg	03/10/2015
0001280002	75-09-2	Crack Check CNF Cleaner	16	oz	03/10/2015
0001338028	105333-10-6	(n5-2,4-Cyclopentadien-1-yl)[(1,2,3-n)-1-phenyl-2-propenyl]-palladium	100	mg	03/10/2015
0001310528		WEST R-630	573	lb	03/10/2015
0001338027	105333-10-6	(n5-2,4-Cyclopentadien-1-yl)[(1,2,3-n)-1-phenyl-2-propenyl]-palladium	100	mg	03/10/2015
0001310530		WEST R-630	573	lb	03/10/2015
0001338026	105333-10-6	(n5-2,4-Cyclopentadien-1-yl)[(1,2,3-n)-1-phenyl-2-propenyl]-palladium	100	mg	03/10/2015
0001280010		SIMPLE GREEN	24	oz	03/10/2015
0001280009		SIMPLE GREEN	24	oz	03/10/2015
0001280008		SIMPLE GREEN	24	oz	03/10/2015
0001280007		SIMPLE GREEN	24	oz	03/10/2015
0001280006		SIMPLE GREEN	24	oz	03/10/2015
0001280003	75-09-2	Crack Check CNF Cleaner	16	oz	03/10/2015
0001338069		TURBIDITY STANDARD	60	ml	03/10/2015
0001279926		PROTAP CUTTING FLUID	16	oz	03/10/2015
0001279813		super lube w/multi purpose synthetic lubricant w/teflon	3	oz	03/10/2015
0001279986		LOCTITE 243 THREADLOCKER	1.69	oz	03/10/2015
0001279985		LOCTITE 243 THREADLOCKER	1.69	oz	03/10/2015
0001279984		LOCTITE 243 THREADLOCKER	1.69	oz	03/10/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001279983		LOCTITE 243 THREADLOCKER	1.69	oz	03/10/2015
0001279990		LOCTITE 262 THREADLOCKER	50	ml	03/10/2015
0001338029	105333-10-6	(n5-2,4-Cyclopentadien-1-yl)[(1,2,3-n)-1-phenyl-2-propenyl]-palladium	100	mg	03/10/2015
0001279996	Multi	Crack Check DF Developer	16	oz	03/10/2015
0001279938		5 MINUTE EPOXY	1	oz	03/10/2015
0001279997	Multi	Crack Check DF Developer	16	oz	03/10/2015
0001310526		WEST R-630	573	lb	03/10/2015
0001310527		WEST R-630	573	lb	03/10/2015
0001279998	Multi	Crack Check DF Developer	16	oz	03/10/2015
0001279999	Multi	Crack Check DF Developer	16	oz	03/10/2015
0001280000	75-09-2	Crack Check CNF Cleaner	16	oz	03/10/2015
0001280001	75-09-2	Crack Check CNF Cleaner	16	oz	03/10/2015
0001279989		LOCTITE 262 THREADLOCKER	50	ml	03/10/2015
0001338144		BORON-10	50	gm	03/10/2015
0001338055	105333-10-6	(n5-2,4-Cyclopentadien-1-yl)[(1,2,3-n)-1-phenyl-2-propenyl]-palladium	100	mg	03/10/2015
0001338056	105333-10-6	(n5-2,4-Cyclopentadien-1-yl)[(1,2,3-n)-1-phenyl-2-propenyl]-palladium	100	mg	03/10/2015
0001338057	105333-10-6	(n5-2,4-Cyclopentadien-1-yl)[(1,2,3-n)-1-phenyl-2-propenyl]-palladium	100	mg	03/10/2015
0001338058	105333-10-6	(n5-2,4-Cyclopentadien-1-yl)[(1,2,3-n)-1-phenyl-2-propenyl]-palladium	100	mg	03/10/2015
0001338059	105333-10-6	(n5-2,4-Cyclopentadien-1-yl)[(1,2,3-n)-1-phenyl-2-propenyl]-palladium	100	mg	03/10/2015
0001338060	105333-10-6	(n5-2,4-Cyclopentadien-1-yl)[(1,2,3-n)-1-phenyl-2-propenyl]-palladium	100	mg	03/10/2015
0001279928		PROTAP CUTTING FLUID	16	oz	03/10/2015
0001338062	105333-10-6	(n5-2,4-Cyclopentadien-1-yl)[(1,2,3-n)-1-phenyl-2-propenyl]-palladium	100	mg	03/10/2015
0001338052	105333-10-6	(n5-2,4-Cyclopentadien-1-yl)[(1,2,3-n)-1-phenyl-2-propenyl]-palladium	100	mg	03/10/2015
0001338145	68-12-2	N,N-DIMETHYLFORMAMIDE	100	ml	03/10/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001338146	68-12-2	N,N-DIMETHYLFORMAMIDE	100	ml	03/10/2015
0001279903		TAPMATIC NATURAL CUTTING FLUID	16	oz	03/10/2015
0001279904		TAPMATIC NATURAL CUTTING FLUID	16	oz	03/10/2015
0001279905		TAPMATIC NATURAL CUTTING FLUID	16	oz	03/10/2015
0001280043		SILASTIC 732 RTV ADHESIVE /SEALANT	4.7	oz	03/10/2015
0001280042		SILASTIC 732 RTV ADHESIVE /SEALANT	4.7	oz	03/10/2015
0001338061	105333-10-6	(n5-2,4-Cyclopentadien-1-yl)[(1,2,3-n)-1-phenyl-2-propenyl]-palladium	100	mg	03/10/2015
0001338045	105333-10-6	(n5-2,4-Cyclopentadien-1-yl)[(1,2,3-n)-1-phenyl-2-propenyl]-palladium	100	mg	03/10/2015
0001280044		SILASTIC 732 RTV ADHESIVE /SEALANT	4.7	oz	03/10/2015
0001279972		CP 618 Firestop Putty Stick	1	lb	03/10/2015
0001279971		CP 618 Firestop Putty Stick	1	lb	03/10/2015
0001338039	105333-10-6	(n5-2,4-Cyclopentadien-1-yl)[(1,2,3-n)-1-phenyl-2-propenyl]-palladium	100	mg	03/10/2015
0001338040	105333-10-6	(n5-2,4-Cyclopentadien-1-yl)[(1,2,3-n)-1-phenyl-2-propenyl]-palladium	100	mg	03/10/2015
0001338041	105333-10-6	(n5-2,4-Cyclopentadien-1-yl)[(1,2,3-n)-1-phenyl-2-propenyl]-palladium	100	mg	03/10/2015
0001338042	105333-10-6	(n5-2,4-Cyclopentadien-1-yl)[(1,2,3-n)-1-phenyl-2-propenyl]-palladium	100	mg	03/10/2015
0001338054	105333-10-6	(n5-2,4-Cyclopentadien-1-yl)[(1,2,3-n)-1-phenyl-2-propenyl]-palladium	100	mg	03/10/2015
0001338044	105333-10-6	(n5-2,4-Cyclopentadien-1-yl)[(1,2,3-n)-1-phenyl-2-propenyl]-palladium	100	mg	03/10/2015
0001338053	105333-10-6	(n5-2,4-Cyclopentadien-1-yl)[(1,2,3-n)-1-phenyl-2-propenyl]-palladium	100	mg	03/10/2015
0001338046	105333-10-6	(n5-2,4-Cyclopentadien-1-yl)[(1,2,3-n)-1-phenyl-2-propenyl]-palladium	100	mg	03/10/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001338047	105333-10-6	(n5-2,4-Cyclopentadien-1-yl)[(1,2,3-n)-1-phenyl-2-propenyl]-palladium	100	mg	03/10/2015
0001338048	105333-10-6	(n5-2,4-Cyclopentadien-1-yl)[(1,2,3-n)-1-phenyl-2-propenyl]-palladium	100	mg	03/10/2015
0001338049	105333-10-6	(n5-2,4-Cyclopentadien-1-yl)[(1,2,3-n)-1-phenyl-2-propenyl]-palladium	100	mg	03/10/2015
0001338050	105333-10-6	(n5-2,4-Cyclopentadien-1-yl)[(1,2,3-n)-1-phenyl-2-propenyl]-palladium	100	mg	03/10/2015
0001338051	105333-10-6	(n5-2,4-Cyclopentadien-1-yl)[(1,2,3-n)-1-phenyl-2-propenyl]-palladium	100	mg	03/10/2015
0001280039		SILASTIC 732 RTV ADHESIVE /SEALANT	4.7	oz	03/10/2015
0001338043	105333-10-6	(n5-2,4-Cyclopentadien-1-yl)[(1,2,3-n)-1-phenyl-2-propenyl]-palladium	100	mg	03/10/2015
0001279988		LOCTITE 262 THREADLOCKER	50	ml	03/10/2015
0001280041		SILASTIC 732 RTV ADHESIVE /SEALANT	4.7	oz	03/10/2015
0001279981		CP 618 Firestop Putty Stick	1	lb	03/10/2015
0001279982		CP 618 Firestop Putty Stick	1	lb	03/10/2015
0001279953		VACTRA II OIL	5	gal	03/10/2015
0001279954		VACTRA II OIL	5	gal	03/10/2015
0001279955		VACTRA II OIL	5	gal	03/10/2015
0001280037		SILASTIC 732 RTV ADHESIVE /SEALANT	4.7	oz	03/10/2015
0001279979		CP 618 Firestop Putty Stick	1	lb	03/10/2015
0001338156	13478-00-7	NICKEL(II) NITRATE HEXAHYDRATE	500	gm	03/10/2015
0001279978		CP 618 Firestop Putty Stick	1	lb	03/10/2015
0001279987		LOCTITE 262 THREADLOCKER	50	ml	03/10/2015
0001279920		PROTAP CUTTING FLUID	16	oz	03/10/2015
0001279921		PROTAP CUTTING FLUID	16	oz	03/10/2015
0001279922		PROTAP CUTTING FLUID	16	oz	03/10/2015
0001279923		PROTAP CUTTING FLUID	16	oz	03/10/2015
0001279924		PROTAP CUTTING FLUID	16	oz	03/10/2015
0001279925		PROTAP CUTTING FLUID	16	oz	03/10/2015
0001279884		KOOL MIST FORMULA #77	1	gal	03/10/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001337385		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001280045		SILASTIC 732 RTV ADHESIVE /SEALANT	4.7	oz	03/10/2015
0001280038		SILASTIC 732 RTV ADHESIVE /SEALANT	4.7	oz	03/10/2015
0001337378		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001337379		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001337380		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001337381		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001337382		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001279980		CP 618 Firestop Putty Stick	1	lb	03/10/2015
0001337384		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001280040		SILASTIC 732 RTV ADHESIVE /SEALANT	4.7	oz	03/10/2015
0001337386		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001337387		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001337388		FANTASTIK ALL PURPOSE CLEANER	1	gal	03/10/2015
0001337389		FANTASTIK ALL PURPOSE CLEANER	1	gal	03/10/2015
0001337390		FANTASTIK ALL PURPOSE CLEANER	1	gal	03/10/2015
0001279976		CP 618 Firestop Putty Stick	1	lb	03/10/2015
0001279977		CP 618 Firestop Putty Stick	1	lb	03/10/2015
0001337383		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001330484		fast setting cement	50	lb	03/10/2015
0001310531		WEST R-630	573	lb	03/10/2015
0001279899		TAPMATIC NATURAL CUTTING FLUID	16	oz	03/10/2015
0001279900		TAPMATIC NATURAL CUTTING FLUID	16	oz	03/10/2015
0001279901		TAPMATIC NATURAL CUTTING FLUID	16	oz	03/10/2015
0001279902		TAPMATIC NATURAL CUTTING FLUID	16	oz	03/10/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001310516		WEST R-630	573	lb	03/10/2015
0001330487		fast setting cement	50	lb	03/10/2015
0001310517		WEST R-630	573	lb	03/10/2015
0001330485		fast setting cement	50	lb	03/10/2015
0001331725	7732-18-5	Hydrochloric Acid 30-31%	3000	lb	03/10/2015
0001330483		fast setting cement	50	lb	03/10/2015
0001330482		fast setting cement	50	lb	03/10/2015
0001330481		fast setting cement	50	lb	03/10/2015
0001330480		fast setting cement	50	lb	03/10/2015
0001330479		fast setting cement	50	lb	03/10/2015
0001330478		fast setting cement	50	lb	03/10/2015
0001310538		WEST R-630	573	lb	03/10/2015
0001330486		fast setting cement	50	lb	03/10/2015
0001310536		WEST R-630	573	lb	03/10/2015
0001279935		5 MINUTE EPOXY	1	oz	03/10/2015
0001310533		WEST R-630	573	lb	03/10/2015
0001337421	7761-88-8	SILVER NITRATE	25	gm	03/10/2015
0001337422	68-12-2	N,N-DIMETHYLFORMAMIDE	1	l	03/10/2015
0001338109		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001338108		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001338106		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001279898		TAPMATIC NATURAL CUTTING FLUID	16	oz	03/10/2015
0001310535		WEST R-630	573	lb	03/10/2015
0001310514		WEST R-630	573	lb	03/10/2015
0001310537		WEST R-630	573	lb	03/10/2015
0001338105		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001338104		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001338103		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001338102		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001338101		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001331724	7705-08-0	FERRIC CHLORIDE	3400	lb	03/10/2015
0001279992	Multi	Crack Check PHF Penetrant	16	oz	03/10/2015
0001279945	Multi	Low Conductivity Antifreeze/Coolant	1	gal	03/10/2015
0001310553		WEST R-630	573	lb	03/10/2015
0001310554		WEST R-630	573	lb	03/10/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001310555		WEST R-630	573	lb	03/10/2015
0001310556		WEST R-630	573	lb	03/10/2015
0001310557		WEST R-630	573	lb	03/10/2015
0001310558		WEST R-630	573	lb	03/10/2015
0001279968		SIMPLE GREEN	24	oz	03/10/2015
0001338063		HYDRANAL COULMAT	500	ml	03/10/2015
0001279970		SIMPLE GREEN	24	oz	03/10/2015
0001337427	67-63-0	ISOPROPANOL, ANHYDROUS	1	l	03/10/2015
0001279946	Multi	Low Conductivity Antifreeze/Coolant	1	gal	03/10/2015
0001279947	Multi	Low Conductivity Antifreeze/Coolant	1	gal	03/10/2015
0001279948	Multi	Low Conductivity Antifreeze/Coolant	1	gal	03/10/2015
0001279949	Multi	Low Conductivity Antifreeze/Coolant	1	gal	03/10/2015
0001279950	Multi	Low Conductivity Antifreeze/Coolant	1	gal	03/10/2015
0001279951	Multi	Low Conductivity Antifreeze/Coolant	1	gal	03/10/2015
0001279952	Multi	Low Conductivity Antifreeze/Coolant	1	gal	03/10/2015
0001279969		SIMPLE GREEN	24	oz	03/10/2015
0001330477		fast setting cement	50	lb	03/10/2015
0001279897		TAPMATIC NATURAL CUTTING FLUID	16	oz	03/10/2015
0001279967		SIMPLE GREEN	24	oz	03/10/2015
0001330471	65997-15-1	PORTLAND CEMENT	90	lb	03/10/2015
0001330472	65997-15-1	PORTLAND CEMENT	90	lb	03/10/2015
0001330473		fast setting cement	50	lb	03/10/2015
0001330474		fast setting cement	50	lb	03/10/2015
0001330475		fast setting cement	50	lb	03/10/2015
0001310552		WEST R-630	573	lb	03/10/2015
0001337423	68-12-2	N,N-DIMETHYLFORMAMIDE	1	l	03/10/2015
0001337428	67-63-0	ISOPROPANOL, ANHYDROUS	1	l	03/10/2015
0001337424	68-12-2	N,N-DIMETHYLFORMAMIDE	1	l	03/10/2015
0001337425	10377-51-2	LITHIUM IODIDE	50	gm	03/10/2015
0001338100		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001338096		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001337366	75-05-8	ACETONITRILE	100	ml	03/10/2015
0001337367	106-89-8	EPICHLOROHYDRIN	100	ml	03/10/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001337426	10377-51-2	LITHIUM IODIDE	50	gm	03/10/2015
0001310515		WEST R-630	573	lb	03/10/2015
0001330476		fast setting cement	50	lb	03/10/2015
0001330470	65997-15-1	PORTLAND CEMENT	90	lb	03/10/2015
0001310532		WEST R-630	573	lb	03/10/2015
0001279991	Multi	Crack Check PHF Penetrant	16	oz	03/10/2015
0001280005		KROIL	10	oz	03/10/2015
0001280004		KROIL	10	oz	03/10/2015
0001280015		SIMPLE GREEN	24	oz	03/10/2015
0001280014		SIMPLE GREEN	24	oz	03/10/2015
0001280013		SIMPLE GREEN	24	oz	03/10/2015
0001338130		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001280011		SIMPLE GREEN	24	oz	03/10/2015
0001338131		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001337440	584-08-7	POTASSIUM CARBONATE	500	gm	03/10/2015
0001337439	7647-14-5	SODIUM CHLORIDE	500	gm	03/10/2015
0001337438	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE) (25 X 1 ML)	2.5	l	03/10/2015
0001337437	7664-93-9	SULFURIC ACID	2.5	l	03/10/2015
0001337436	7664-93-9	SULFURIC ACID	2.5	l	03/10/2015
0001337435	7664-93-9	SULFURIC ACID	2.5	l	03/10/2015
0001337434	7664-93-9	SULFURIC ACID	2.5	l	03/10/2015
0001280012		SIMPLE GREEN	24	oz	03/10/2015
0001337361	7697-37-2	NITRIC ACID, TRACEMETAL	500	ml	03/10/2015
0001310543		WEST R-630	573	lb	03/10/2015
0001310542		WEST R-630	573	lb	03/10/2015
0001310541		WEST R-630	573	lb	03/10/2015
0001310540		WEST R-630	573	lb	03/10/2015
0001310539		WEST R-630	573	lb	03/10/2015
0001337365	7697-37-2	NITRIC ACID, TRACEMETAL	500	ml	03/10/2015
0001337364	7697-37-2	NITRIC ACID, TRACEMETAL	500	ml	03/10/2015
0001338129		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001337362	7697-37-2	NITRIC ACID, TRACEMETAL	500	ml	03/10/2015
0001337431	7681-57-4	SODIUM METABISULFITE	10000	gm	03/10/2015
0001337360	3264-82-2	NICKEL(II)ACETATE	25	gm	03/10/2015
0001338137		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001338136		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001338135		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001338134		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001338133		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001338132		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001337363	7697-37-2	NITRIC ACID, TRACEMETAL	500	ml	03/10/2015
0001338138		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001338126		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001279994	Multi	Crack Check DF Developer	16	oz	03/10/2015
0001279995	Multi	Crack Check DF Developer	16	oz	03/10/2015
0001280056		SILASTIC 732 RTV ADHESIVE /SEALANT	4.7	oz	03/10/2015
0001337419	67-63-0	2-PROPANOL	4	l	03/10/2015
0001338142		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001338141		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001337433	7664-93-9	SULFURIC ACID	2.5	l	03/10/2015
0001338139		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001338123		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001279993	Multi	Crack Check PHF Penetrant	16	oz	03/10/2015
0001279931		KOOL MIST FORMULA #77	1	qt	03/10/2015
0001279932		KOOL MIST FORMULA #77	1	qt	03/10/2015
0001279933		KOOL MIST FORMULA #77	1	qt	03/10/2015
0001279934		KOOL MIST FORMULA #77	1	qt	03/10/2015
0001279895		TAPMATIC NATURAL CUTTING FLUID	16	oz	03/10/2015
0001279896		TAPMATIC NATURAL CUTTING FLUID	16	oz	03/10/2015
0001338140		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001279963		SIMPLE GREEN	24	oz	03/10/2015
0001310534		WEST R-630	573	lb	03/10/2015
0001337430	7681-57-4	SODIUM METABISULFITE	10000	gm	03/10/2015
0001337429	7681-57-4	SODIUM METABISULFITE	10000	gm	03/10/2015
0001337420		BLOCKING AGENT	50	gm	03/10/2015
0001310559		WEST R-630	573	lb	03/10/2015
0001279959		SIMPLE GREEN	24	oz	03/10/2015
0001279960		SIMPLE GREEN	24	oz	03/10/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001338125		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001279962		SIMPLE GREEN	24	oz	03/10/2015
0001338124		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001279964		SIMPLE GREEN	24	oz	03/10/2015
0001279965		SIMPLE GREEN	24	oz	03/10/2015
0001279966		SIMPLE GREEN	24	oz	03/10/2015
0001338119		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001338120		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001338121		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001338122		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001337432	7664-93-9	SULFURIC ACID	2.5	l	03/10/2015
0001279961		SIMPLE GREEN	24	oz	03/10/2015
0001280063		SILASTIC 732 RTV ADHESIVE /SEALANT	4.7	oz	03/10/2015
0001280068		SILASTIC 732 RTV ADHESIVE /SEALANT	4.7	oz	03/10/2015
0001280053		SILASTIC 732 RTV ADHESIVE /SEALANT	4.7	oz	03/10/2015
0001280067		SILASTIC 732 RTV ADHESIVE /SEALANT	4.7	oz	03/10/2015
0001280066		SILASTIC 732 RTV ADHESIVE /SEALANT	4.7	oz	03/10/2015
0001280065		SILASTIC 732 RTV ADHESIVE /SEALANT	4.7	oz	03/10/2015
0001338118		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001280064		SILASTIC 732 RTV ADHESIVE /SEALANT	4.7	oz	03/10/2015
0001338077	584-13-4	4-AMINO-1,2,4-TRIAZOLE	100	gm	03/10/2015
0001338076	584-13-4	4-AMINO-1,2,4-TRIAZOLE	100	gm	03/10/2015
0001280062		SILASTIC 732 RTV ADHESIVE /SEALANT	4.7	oz	03/10/2015
0001338116		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001338079		1X Tris EDTA Solution	100	ml	03/10/2015
0001310544		WEST R-630	573	lb	03/10/2015
0001310545		WEST R-630	573	lb	03/10/2015
0001310546		WEST R-630	573	lb	03/10/2015
0001279975		CP 618 Firestop Putty Stick	1	lb	03/10/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001310547		WEST R-630	573	lb	03/10/2015
0001310548		WEST R-630	573	lb	03/10/2015
0001310549		WEST R-630	573	lb	03/10/2015
0001310550		WEST R-630	573	lb	03/10/2015
0001310551		WEST R-630	573	lb	03/10/2015
0001338075	584-13-4	4-AMINO-1,2,4-TRIAZOLE	100	gm	03/10/2015
0001338117		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001279877		LOCTITE 9394	50	ml	03/10/2015
0001279936		5 MINUTE EPOXY	1	oz	03/10/2015
0001338107		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001338071		CONDUCTIVITY STANDARD	60	ml	03/10/2015
0001338070		CONDUCTIVITY STANDARD	60	ml	03/10/2015
0001280071		SILASTIC 732 RTV ADHESIVE /SEALANT	4.7	oz	03/10/2015
0001280070		SILASTIC 732 RTV ADHESIVE /SEALANT	4.7	oz	03/10/2015
0001280054		SILASTIC 732 RTV ADHESIVE /SEALANT	4.7	oz	03/10/2015
0001280055		SILASTIC 732 RTV ADHESIVE /SEALANT	4.7	oz	03/10/2015
0001279880		LOCTITE 9394	50	ml	03/10/2015
0001279879		LOCTITE 9394	50	ml	03/10/2015
0001338074	7440-46-2	CESIUM 99.98% (METAL BASIS)	25	gm	03/10/2015
0001279878		LOCTITE 9394	50	ml	03/10/2015
0001338078	584-13-4	4-AMINO-1,2,4-TRIAZOLE	100	gm	03/10/2015
0001279894		WD-40 SMART STRAW	11	oz	03/10/2015
0001279893		WD-40 SMART STRAW	11	oz	03/10/2015
0001279892		WD-40 SMART STRAW	11	oz	03/10/2015
0001279891		WD-40 SMART STRAW	11	oz	03/10/2015
0001279890		WD-40 SMART STRAW	11	oz	03/10/2015
0001338072	7440-46-2	CESIUM 99.98% (METAL BASIS)	25	gm	03/10/2015
0001279888		WD-40 SMART STRAW	11	oz	03/10/2015
0001338073	7440-46-2	CESIUM 99.98% (METAL BASIS)	25	gm	03/10/2015
0001338143		BORON METAL	40	gm	03/10/2015
0001279887		WD-40 SMART STRAW	11	oz	03/10/2015
0001280069		SILASTIC 732 RTV ADHESIVE /SEALANT	4.7	oz	03/10/2015
0001280032		HIT-RE 500 SD	11.1	oz	03/10/2015
0001337371	1066-54-2	TRIMETHYLSILYLACETYLENE 98%	5	gm	03/10/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001338114		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001338113		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001337372	56-75-7	CHLORAMPHENICOL	25	ml	03/10/2015
0001338112		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001338111		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001338110		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001337373	56-75-7	CHLORAMPHENICOL	25	ml	03/10/2015
0001280059		SILASTIC 732 RTV ADHESIVE /SEALANT	4.7	oz	03/10/2015
0001280031		HIT-RE 500 SD	11.1	oz	03/10/2015
0001280035		HIT-RE 500 SD	11.1	oz	03/10/2015
0001280033		HIT-RE 500 SD	11.1	oz	03/10/2015
0001280034		HIT-RE 500 SD	11.1	oz	03/10/2015
0001280036		HIT-RE 500 SD	11.1	oz	03/10/2015
0001337376		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001337377		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001280058		SILASTIC 732 RTV ADHESIVE /SEALANT	4.7	oz	03/10/2015
0001280057		SILASTIC 732 RTV ADHESIVE /SEALANT	4.7	oz	03/10/2015
0001279889		WD-40 SMART STRAW	11	oz	03/10/2015
0001337374	56-75-7	CHLORAMPHENICOL	25	ml	03/10/2015
0001338037	105333-10-6	(n5-2,4-Cyclopentadien-1-yl)[(1,2,3-n)-1-phenyl-2-propenyl]-palladium	100	mg	03/10/2015
0001337375	56-75-7	CHLORAMPHENICOL	25	ml	03/10/2015
0001280060		SILASTIC 732 RTV ADHESIVE /SEALANT	4.7	oz	03/10/2015
0001279974		CP 618 Firestop Putty Stick	1	lb	03/10/2015
0001279973		CP 618 Firestop Putty Stick	1	lb	03/10/2015
0001337368	919-30-2	3-AMINOPROPYLTRIETHOXYSILANE	100	gm	03/10/2015
0001338038	105333-10-6	(n5-2,4-Cyclopentadien-1-yl)[(1,2,3-n)-1-phenyl-2-propenyl]-palladium	100	mg	03/10/2015
0001279937		5 MINUTE EPOXY	1	oz	03/10/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001338036	105333-10-6	(n5-2,4-Cyclopentadien-1-yl)[(1,2,3-n)-1-phenyl-2-propenyl]-palladium	100	mg	03/10/2015
0001338035	105333-10-6	(n5-2,4-Cyclopentadien-1-yl)[(1,2,3-n)-1-phenyl-2-propenyl]-palladium	100	mg	03/10/2015
0001338115		FANTASTIK ALL PURPOSE CLEANER	32	oz	03/10/2015
0001280061		SILASTIC 732 RTV ADHESIVE /SEALANT	4.7	oz	03/10/2015
0001337370	128-09-6	N-CHLOROSUCCINIMIDE	100	gm	03/10/2015
0001337369	112-04-9	OCTADECYLTRICHLOROSILANE	25	gm	03/10/2015
0001337391		FANTASTIK ALL PURPOSE CLEANER	1	gal	03/10/2015
0001337413	1878-68-8	4-Bromophenylacetic acid	100	gm	03/10/2015
0001337400		FANTASTIK ALL PURPOSE CLEANER	1	gal	03/10/2015
0001337401		FANTASTIK ALL PURPOSE CLEANER	1	gal	03/10/2015
0001337402		FANTASTIK ALL PURPOSE CLEANER	1	gal	03/10/2015
0001337403		FANTASTIK ALL PURPOSE CLEANER	1	gal	03/10/2015
0001337404	583-55-1	1-BROMO-2-IODOBENZENE	5	gm	03/10/2015
0001337399		FANTASTIK ALL PURPOSE CLEANER	1	gal	03/10/2015
0001337405	177171-16-3	3-(Trimethylsilyl)phenylboronic acid	5	gm	03/10/2015
0001337392		FANTASTIK ALL PURPOSE CLEANER	1	gal	03/10/2015
0001337407	13778-31-9	COPPER (II) NITRATE HYDRATE	5	gm	03/10/2015
0001337409	9001-41-6	PHOSPHOGLUCOSE ISOMERASE	5	kg	03/10/2015
0001337395		FANTASTIK ALL PURPOSE CLEANER	1	gal	03/10/2015
0001337394		FANTASTIK ALL PURPOSE CLEANER	1	gal	03/10/2015
0001337393		FANTASTIK ALL PURPOSE CLEANER	1	gal	03/10/2015
0001337406	626-39-1	1,3,5-TRIBROMOBENZENE	25	gm	03/10/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001338023	105333-10-6	(n5-2,4-Cyclopentadien-1-yl)[(1,2,3-n)-1-phenyl-2-propenyl]-palladium	100	mg	03/10/2015
0001337398		FANTASTIK ALL PURPOSE CLEANER	1	gal	03/10/2015
0001337397		FANTASTIK ALL PURPOSE CLEANER	1	gal	03/10/2015
0001337396		FANTASTIK ALL PURPOSE CLEANER	1	gal	03/10/2015
0001338025	105333-10-6	(n5-2,4-Cyclopentadien-1-yl)[(1,2,3-n)-1-phenyl-2-propenyl]-palladium	100	mg	03/10/2015
0001337408		RAPAMYCIN	200	ul	03/10/2015
0001338024	105333-10-6	(n5-2,4-Cyclopentadien-1-yl)[(1,2,3-n)-1-phenyl-2-propenyl]-palladium	100	mg	03/10/2015
0001337412	100-51-6	BENZYL ALCOHOL	100	gm	03/10/2015
0001337418	1116-76-3	TRIOCTYLAMINE	100	gm	03/10/2015
0001337417	598-54-9	COPPER (I) ACETATE	10	gm	03/10/2015
0001337416	95-50-1	1,2-DICHLOROBENZENE	100	ml	03/10/2015
0001337415	95-50-1	1,2-DICHLOROBENZENE	100	ml	03/10/2015
0001337414	603-35-0	TRIPHENYLPHOSPHINE	25	gm	03/10/2015
0001337411	1306-38-3	CERIUM OXIDE	1	kg	03/10/2015
0001337410	24544-04-5	2,6-DIISOPROPYLANILINE	25	gm	03/10/2015
0001360579	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/11/2015
0001337442		MINIMUM ESSENTIAL MEDIUM EAGLE WITH EARL'S SALTS AND NON-ESS	1000	ml	03/11/2015
0001360633		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360632		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360596		6% HYDROGEN BALANCE ARGON	220	cf	03/11/2015
0001360597		6% HYDROGEN BALANCE ARGON	220	cf	03/11/2015
0001360600		6% HYDROGEN BALANCE ARGON	220	cf	03/11/2015
0001360599		6% HYDROGEN BALANCE ARGON	220	cf	03/11/2015
0001360602		6% HYDROGEN BALANCE ARGON	220	cf	03/11/2015
0001360657	74-98-6	PROPANE	11	gal	03/11/2015
0001360580	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/11/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001360606		6% HYDROGEN BALANCE ARGON	220	cf	03/11/2015
0001310565		MARKING PAINT,WHITE	17	oz	03/11/2015
0001360601		6% HYDROGEN BALANCE ARGON	220	cf	03/11/2015
0001360605		6% HYDROGEN BALANCE ARGON	220	cf	03/11/2015
0001360604		6% HYDROGEN BALANCE ARGON	220	cf	03/11/2015
0001360603		6% HYDROGEN BALANCE ARGON	220	cf	03/11/2015
0001360598		6% HYDROGEN BALANCE ARGON	220	cf	03/11/2015
0001360635		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360592		6% HYDROGEN BALANCE ARGON	220	cf	03/11/2015
0001360591	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/11/2015
0001360590	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/11/2015
0001360589	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/11/2015
0001360636		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360588	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/11/2015
0001360561	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/11/2015
0001310567		MARKING PAINT,WHITE	17	oz	03/11/2015
0001360593		6% HYDROGEN BALANCE ARGON	220	cf	03/11/2015
0001310573		MARKING PAINT,WHITE	17	oz	03/11/2015
0001360634		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001310566		MARKING PAINT,WHITE	17	oz	03/11/2015
0001310568		MARKING PAINT,WHITE	17	oz	03/11/2015
0001310569		MARKING PAINT,WHITE	17	oz	03/11/2015
0001310570		MARKING PAINT,WHITE	17	oz	03/11/2015
0001310571		MARKING PAINT,WHITE	17	oz	03/11/2015
0001310572		MARKING PAINT,WHITE	17	oz	03/11/2015
0001360658	74-86-2	ACETYLENE	130	cf	03/11/2015
0001360581	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/11/2015
0001360563	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/11/2015
0001360556	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/11/2015
0001360555	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/11/2015
0001360659	74-86-2	ACETYLENE	130	cf	03/11/2015
0001360660	74-86-2	ACETYLENE	130	cf	03/11/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001360526		CALIBRATION GAS	58 l		03/11/2015
0001360525		CALIBRATION GAS	58 l		03/11/2015
0001360558	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/11/2015
0001360630		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360559	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/11/2015
0001360582	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/11/2015
0001360583	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/11/2015
0001360584	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/11/2015
0001360585	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/11/2015
0001360586	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/11/2015
0001360607		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360594		6% HYDROGEN BALANCE ARGON	220	cf	03/11/2015
0001360631		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360568	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/11/2015
0001360577	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/11/2015
0001360576	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/11/2015
0001360575	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/11/2015
0001360574	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/11/2015
0001360573	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/11/2015
0001360572	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/11/2015
0001360571	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/11/2015
0001360557	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/11/2015
0001360569	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/11/2015
0001360578	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/11/2015
0001360567	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/11/2015
0001360566	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/11/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001360565	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/11/2015
0001360564	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/11/2015
0001360562	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/11/2015
0001360587	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/11/2015
0001360560	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/11/2015
0001360570	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/11/2015
0001360611		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360530		CALIBRATION GAS	58	l	03/11/2015
0001360531		CALIBRATION GAS	58	l	03/11/2015
0001360532		CALIBRATION GAS	58	l	03/11/2015
0001360551	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/11/2015
0001360549	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/11/2015
0001360621		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360620		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360619		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360608		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360609		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360610		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360550	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/11/2015
0001360595		6% HYDROGEN BALANCE ARGON	220	cf	03/11/2015
0001360537	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/11/2015
0001360612		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360613		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360614		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360554	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/11/2015
0001360615		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360616		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360553	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/11/2015
0001360552	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/11/2015
0001360617		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360618		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360540	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/11/2015
0001337441		MINIMUM ESSENTIAL MEDIUM EAGLE WITH EARL'S SALTS AND NON-ESS	1000	ml	03/11/2015
0001360624		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360629		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360541	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/11/2015
0001310564		MARKING PAINT,WHITE	17	oz	03/11/2015
0001310563		MARKING PAINT,WHITE	17	oz	03/11/2015
0001310562		MARKING PAINT,WHITE	17	oz	03/11/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001360527		CALIBRATION GAS	58 l		03/11/2015
0001360542	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/11/2015
0001360533	Multi	1000 PPM Hydrogen/Bal. Helium	220	cf	03/11/2015
0001360543	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/11/2015
0001360534		2% HYDROGEN/BAL. ARGON	80	cf	03/11/2015
0001360535	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/11/2015
0001360529		CALIBRATION GAS	58 l		03/11/2015
0001360623		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360536	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/11/2015
0001360625		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360626		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360627		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360544	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/11/2015
0001360545	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/11/2015
0001360546	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/11/2015
0001360547	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/11/2015
0001360628		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360539	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/11/2015
0001360528		CALIBRATION GAS	58 l		03/11/2015
0001360538	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/11/2015
0001360548	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	03/11/2015
0001360622		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360655	74-98-6	PROPANE	11	gal	03/11/2015
0001360654	74-98-6	PROPANE	11	gal	03/11/2015
0001360653	74-98-6	PROPANE	11	gal	03/11/2015
0001360640		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360656	74-98-6	PROPANE	11	gal	03/11/2015
0001360652	74-98-6	PROPANE	11	gal	03/11/2015
0001360651		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360650		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360649		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360648		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360647		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360646		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360645		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360641		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360644		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360639		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360638		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360637		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360643		ARGON 90% METHANE 10%	220	cf	03/11/2015
0001360642		ARGON 90% METHANE 10%	220	cf	03/11/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001337531		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337530		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337828		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337829		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337732		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337731		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337730		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337729		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337728		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337727		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337827		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337594		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337809		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337591		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337592		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337593		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337965		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337964		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337453		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337968		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337451		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337807		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001337815		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337814		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337813		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337812		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337811		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337810		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337450		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337452		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337967		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337969		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337733		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337840		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337826		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337825		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337824		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337823		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337590		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337821		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337808		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337966		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337719		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337718		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001337717		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337716		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337715		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337806		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337532		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337822		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337661		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337654		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337664		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337663		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337662		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337723		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337722		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337528		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337721		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337660		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337659		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337658		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337657		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337656		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337838		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337529		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001337672		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337667		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337459		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337460		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337461		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337669		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337665		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337671		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337653		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337673		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337458		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337457		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337456		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337455		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337454		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337670		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337834		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337655		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337839		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337666		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337837		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337836		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001337993		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337720		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337521		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337833		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337832		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337831		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337830		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337449		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337992		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337835		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337726		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337652		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337651		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337991		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337990		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337989		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337668		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337725		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337689		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337527		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337526		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337525		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001337524		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337523		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337522		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337724		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337915		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001338158		BUFFER PH 10 (BLUE BUFFER)	500	ml	03/12/2015
0001338159		BUFFER PH 10 (BLUE BUFFER)	500	ml	03/12/2015
0001338160		BUFFER PH 10 (BLUE BUFFER)	500	ml	03/12/2015
0001338161		BUFFER PH 10 (BLUE BUFFER)	500	ml	03/12/2015
0001338162		BUFFER PH 10 (BLUE BUFFER)	500	ml	03/12/2015
0001338163		BUFFER PH 10 (BLUE BUFFER)	500	ml	03/12/2015
0001337674		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337918		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337949		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337916		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001338021		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337914		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337913		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337912		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337911		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337910		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337909		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001337908		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337466		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337467		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337917		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337978		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001338090	67-63-0	ISOPROPANOL (2-PROPANOL)	2.5	l	03/12/2015
0001337947		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337946		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337945		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337944		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337943		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337942		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337857		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337856		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001338157	7664-93-9	SULFURIC ACID	2.5	l	03/12/2015
0001337977		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001338080	13689-19-5	TRICYCLOHEXYLPHOSPHINE OXIDE	1	gm	03/12/2015
0001338013		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001338014		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001338015		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001338016		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001338017		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001338018		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001338019		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001338020		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337470		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337855		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001330497		100% SILICONE RUBBER SEALANT	9.8	oz	03/12/2015
0001337468		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337494		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001338164	7732-18-5	WATER	1	l	03/12/2015
0001338165	1310-58-3	POTASSIUM HYDROXIDE	500	gm	03/12/2015
0001266316		DURIMIDE	1	kg	03/12/2015
0001310579		BRAKLEEN	14	oz	03/12/2015
0001338089	7782-61-8	IRON(III) NITRATE NONAHYDRATE	250	gm	03/12/2015
0001330499		fast setting cement	50	lb	03/12/2015
0001330500		fast setting cement	50	lb	03/12/2015
0001337492		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001330496		ALEX PLUS	10.1	oz	03/12/2015
0001337491		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001330489		8200 ESD EPOXY ADHESIVE PART A	50	lb	03/12/2015
0001330490		8200 ESD EPOXY ADHESIVE PART A	50	lb	03/12/2015
0001330491		8200 ESD EPOXY ADHESIVE PART A	50	lb	03/12/2015
0001337996		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337907		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337995		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337994		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337979		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337980		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001330495		ALEX PLUS	10.1	oz	03/12/2015
0001337481		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337950		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337471		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337472		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337473		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337474		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337475		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337476		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337477		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337478		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337493		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337480		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337469		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337482		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337483		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337484		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337485		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337486		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337487		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337488		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337489		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337490		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001337479		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001330506		fast setting cement	50 lb		03/12/2015
0001337465		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001310580		STARTING FLUID FOR DIESEL AND GASOLINE ENGINES	10.7 oz		03/12/2015
0001337587		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001330513		fast setting cement	50 lb		03/12/2015
0001330512		fast setting cement	50 lb		03/12/2015
0001330511		fast setting cement	50 lb		03/12/2015
0001330510		fast setting cement	50 lb		03/12/2015
0001330509		fast setting cement	50 lb		03/12/2015
0001337948		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001330507		fast setting cement	50 lb		03/12/2015
0001337462		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001330505		fast setting cement	50 lb		03/12/2015
0001330504		fast setting cement	50 lb		03/12/2015
0001330503		fast setting cement	50 lb		03/12/2015
0001330502		fast setting cement	50 lb		03/12/2015
0001330501		fast setting cement	50 lb		03/12/2015
0001337443	Multi	PLATINUM CYCLOVINYLMETHYL SILOXANE COMPLEX	25 gm		03/12/2015
0001337854		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337853		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337852		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001330508		fast setting cement	50 lb		03/12/2015
0001337683		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337447		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337446	944392-68-1	3,5-Bis(methoxycarbonyl)phenylboronic acid pinacol ester	1 gm		03/12/2015
0001337734		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337735		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001337736		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337737		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337688		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337687		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337686		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337464		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337684		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337463		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337682		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337681		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337680		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337679		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337678		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337677		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337676		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337675		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337849		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337685		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001310589		MULTI-PURPOSE GREASE	12	oz	03/12/2015
0001337851		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337699		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337698		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337697		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001337696		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337695		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337535		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337534		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001330498		KWIK FOAM	12 oz		03/12/2015
0001337536		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001310588		MULTI-PURPOSE GREASE	12 oz		03/12/2015
0001337537		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001310590		MULTI-PURPOSE GREASE	12 oz		03/12/2015
0001310591		POWER STEERING FLUID	1 oz		03/12/2015
0001310592		WASHER FLUID	1 gal		03/12/2015
0001338166	23746-81-8	2-(2-Naphthyl)indole	5 gm		03/12/2015
0001337976		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337932		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337931		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337930		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337951		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001310587		MULTI-PURPOSE GREASE	12 oz		03/12/2015
0001337692		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337448		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337848		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337847		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337846		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337845		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337844		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337843		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001337842		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337841		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337700		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337691		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337850		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337693		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337694		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337544		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337543		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337542		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337541		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337540		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337539		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337538		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337690		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001310595		ANTIFREEZE	1	gal	03/12/2015
0001337760		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337988		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001310581		CARB AND CHOKE CLEANER	13	oz	03/12/2015
0001337981		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001310603		ANTIFREEZE/COOLANT	1	gal	03/12/2015
0001310602		ANTIFREEZE/COOLANT	1	gal	03/12/2015
0001310601		ANTIFREEZE/COOLANT	1	gal	03/12/2015
0001310600		ANTIFREEZE/COOLANT	1	gal	03/12/2015
0001310599		ANTIFREEZE/COOLANT	1	gal	03/12/2015
0001310598		ANTIFREEZE/COOLANT	1	gal	03/12/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001337573		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001310596		ANTIFREEZE	1	gal	03/12/2015
0001337574		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001310594		ANTIFREEZE	1	gal	03/12/2015
0001310593		ANTIFREEZE	1	gal	03/12/2015
0001310583		CARB AND CHOKE CLEANER	13	oz	03/12/2015
0001310582		CARB AND CHOKE CLEANER	13	oz	03/12/2015
0001337933		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337864		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337863		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337862		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337861		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337860		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001310597		ANTIFREEZE/COOLANT	1	gal	03/12/2015
0001337985		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337603		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337926		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337952		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337953		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337954		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337955		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337956		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337957		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337927		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337928		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001337987		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337986		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337983		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337984		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337602		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337582		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337581		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337580		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337579		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337578		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337577		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337576		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337575		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337929		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337878		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337896		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337897		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337898		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337601		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337600		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337599		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337598		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001337597		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337596		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337595		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337859		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337877		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337622		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337879		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337880		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337881		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337746		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337754		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337895		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337756		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337757		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337758		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337759		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337876		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337874		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337606		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337612		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337613		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337614		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001337615		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001310584		193 GLOSS BLACK CHASSIS & GRILLE GUARD PAINT	12 oz		03/12/2015
0001337868		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337869		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337870		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337871		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337624		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337873		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337623		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337875		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337894		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337572		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337616		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337589		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337617		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337618		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337619		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337620		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337621		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337858		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337872		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337997		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001337510		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337511		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337512		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337960		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001338005		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001338004		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001338003		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001338002		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001338001		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001338000		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337971		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337998		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337507		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337513		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337514		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337515		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337516		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337749		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337517		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337518		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337519		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337520		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001337604		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337999		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337935		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337747		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337748		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337783		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337782		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337781		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337780		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337779		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337778		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337777		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337938		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337509		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337936		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337508		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337739		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337738		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337499		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337500		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337501		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337502		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001337503		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337504		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337505		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337506		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337972		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337937		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001338008		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337712		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337713		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337714		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337820		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337819		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337818		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337817		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337816		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001338088	Multi	FAST DNA SPIN KIT FOR SOIL	50 ml		03/12/2015
0001337934		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337970		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001338007		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337709		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001338009		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001338010		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001338011		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001338012		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337611		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337610		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337609		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337608		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337607		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337755		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001338006		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337923		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337919		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337920		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337921		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337750		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337751		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337752		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337973		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337974		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337975		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001330492		8200 ESD EPOXY ADHESIVE PART A	50 lb		03/12/2015
0001337711		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337922		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001337710		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337982		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001330494		MASONRY GROUT	50	lb	03/12/2015
0001337703		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337704		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337705		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337706		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337707		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337708		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337924		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337925		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337605		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001330493		MASONRY GROUT	50	lb	03/12/2015
0001337571		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337904		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337891		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337642		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337641		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337640		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337639		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337638		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337637		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337586		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001337889		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337588		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337888		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337570		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337569		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337568		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337635		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337567		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337566		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337565		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337564		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337563		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337498		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337963		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001310586		193 GLOSS BLACK CHASSIS & GRILLE GUARD PAINT	12	oz	03/12/2015
0001337905		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337906		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337650		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337649		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337648		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337647		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337646		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001337645		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337761		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337890		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337753		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337940		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337584		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337585		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337636		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337643		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337959		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337958		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337884		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337885		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337886		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337887		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337583		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337776		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337553		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337552		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001338086	7782-61-8	IRON (III) NITRATE	10 kg		03/12/2015
0001338085	7782-61-8	IRON (III) NITRATE	10 kg		03/12/2015
0001338084	7782-61-8	IRON (III) NITRATE	10 kg		03/12/2015
0001338083	7782-61-8	IRON (III) NITRATE	10 kg		03/12/2015
0001338082	7782-61-8	IRON (III) NITRATE	10 kg		03/12/2015
0001338081	3349-06-2	NICKEL (II) FORMATE	100 gm		03/12/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001337773		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337497		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337775		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337556		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337551		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001338087	3396-11-0	CESIUM ACETATE	10 gm		03/12/2015
0001337550		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337549		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337548		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337547		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337546		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337545		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337892		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337893		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337774		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337866		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337644		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337533		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337941		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337496		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337495		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337740		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337741		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001337742		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337743		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337744		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337554		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337867		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337555		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337865		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337961		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337962		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337562		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337561		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337560		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337559		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337558		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337557		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337939		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337745		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001310585		193 GLOSS BLACK CHASSIS & GRILLE GUARD PAINT	12	oz	03/12/2015
0001337901		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337625		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337626		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337627		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001337628		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337629		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337630		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337631		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337796		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337794		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337632		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337793		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337634		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337799		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337800		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337801		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337802		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337803		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337804		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337805		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337899		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337900		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337797		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337882		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337762		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015
0001337763		THOMAS ANTIFOAM SPRAY 8OZ	8 oz		03/12/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001337764		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337765		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337766		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337767		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337768		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337769		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337770		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337795		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337772		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337798		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337883		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337784		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337785		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337786		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337787		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337788		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337789		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337790		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337791		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337792		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337771		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001338182		PHOTO-FLO 200 SOLUTION	16	oz	03/12/2015
0001337633		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001337902		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001338178		WD-40 LUBRICANT SPRAY	16	oz	03/12/2015
0001338179	10099-74-8	LEAD NITRATE	2.5	kg	03/12/2015
0001338181	10099-74-8	LEAD NITRATE	2.5	kg	03/12/2015
0001338183		PHOTO-FLO 200 SOLUTION	16	oz	03/12/2015
0001330488		ANTI-SEIZE COMPOUND (MIXTURE)	8	oz	03/12/2015
0001310574		WD-40 NON-AEROSOL	20	oz	03/12/2015
0001310575		WD-40 NON-AEROSOL	20	oz	03/12/2015
0001338177		WD-40 LUBRICANT SPRAY	16	oz	03/12/2015
0001338176		WD-40 LUBRICANT SPRAY	16	oz	03/12/2015
0001338175		WD-40 LUBRICANT SPRAY	16	oz	03/12/2015
0001338169		WD-40 LUBRICANT SPRAY	16	oz	03/12/2015
0001338167		WD-40 LUBRICANT SPRAY	16	oz	03/12/2015
0001337903		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001338180	10099-74-8	LEAD NITRATE	2.5	kg	03/12/2015
0001338174		WD-40 LUBRICANT SPRAY	16	oz	03/12/2015
0001338168		WD-40 LUBRICANT SPRAY	16	oz	03/12/2015
0001338170		WD-40 LUBRICANT SPRAY	16	oz	03/12/2015
0001338171		WD-40 LUBRICANT SPRAY	16	oz	03/12/2015
0001338172		WD-40 LUBRICANT SPRAY	16	oz	03/12/2015
0001338173		WD-40 LUBRICANT SPRAY	16	oz	03/12/2015
0001310578		WD-40 NON-AEROSOL	20	oz	03/12/2015
0001310577		WD-40 NON-AEROSOL	20	oz	03/12/2015
0001310576		WD-40 NON-AEROSOL	20	oz	03/12/2015
0001337702		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001337444	563-67-7	Rubidium Acetate	10	gm	03/12/2015
0001337445		CHROMIUM III NITRATE NONAHYDRATE	25	gm	03/12/2015
0001337701		THOMAS ANTIFOAM SPRAY 8OZ	8	oz	03/12/2015
0001330563		COTE ALL MULTI-PURPOSE ENAMEL	1	gal	03/13/2015
0001330526		8200 ESD EPOXY ADHESIVE PART A	0.92	gal	03/13/2015
0001330515		ALEX PLUS	10.1	oz	03/13/2015
0001330561		rust reformer	1	gal	03/13/2015
0001330528		8200 ESD EPOXY ADHESIVE PART A	0.92	gal	03/13/2015
0001330527		8200 ESD EPOXY ADHESIVE PART A	0.92	gal	03/13/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001330562		SAFETY GREEN ALKYD INDUSTRIAL ENAMEL	1	gal	03/13/2015
0001330559		KRUD KUTTER	1	gal	03/13/2015
0001330560		rust reformer	1	gal	03/13/2015
0001330539		8200 ESD EPOXY ADHESIVE PART A	0.92	gal	03/13/2015
0001330540		8200 ESD EPOXY ADHESIVE PART A	0.92	gal	03/13/2015
0001330542		8200 ESD EPOXY ADHESIVE PART B	0.92	gal	03/13/2015
0001330525		8200 ESD EPOXY ADHESIVE PART A	0.92	gal	03/13/2015
0001330529		8200 ESD EPOXY ADHESIVE PART A	0.92	gal	03/13/2015
0001330548		8200 ESD EPOXY ADHESIVE PART B	0.92	gal	03/13/2015
0001330541		8200 ESD EPOXY ADHESIVE PART B	0.92	gal	03/13/2015
0001330556		8200 ESD EPOXY ADHESIVE PART B	0.92	gal	03/13/2015
0001330514		HENRY440	4	gal	03/13/2015
0001330558		KRUD KUTTER	1	gal	03/13/2015
0001317429		Index Matching Gel	3	ml	03/13/2015
0001330538		8200 ESD EPOXY ADHESIVE PART A	0.92	gal	03/13/2015
0001330537		8200 ESD EPOXY ADHESIVE PART A	0.92	gal	03/13/2015
0001330536		8200 ESD EPOXY ADHESIVE PART A	0.92	gal	03/13/2015
0001330535		8200 ESD EPOXY ADHESIVE PART A	0.92	gal	03/13/2015
0001330534		8200 ESD EPOXY ADHESIVE PART A	0.92	gal	03/13/2015
0001330533		8200 ESD EPOXY ADHESIVE PART A	0.92	gal	03/13/2015
0001330532		8200 ESD EPOXY ADHESIVE PART A	0.92	gal	03/13/2015
0001330531		8200 ESD EPOXY ADHESIVE PART A	0.92	gal	03/13/2015
0001330546		8200 ESD EPOXY ADHESIVE PART B	0.92	gal	03/13/2015
0001330564		SAFETY GREEN ALKYD INDUSTRIAL ENAMEL	1	gal	03/13/2015
0001330530		8200 ESD EPOXY ADHESIVE PART A	0.92	gal	03/13/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001330555		8200 ESD EPOXY ADHESIVE PART B	0.92	gal	03/13/2015
0001330554		8200 ESD EPOXY ADHESIVE PART B	0.92	gal	03/13/2015
0001330553		8200 ESD EPOXY ADHESIVE PART B	0.92	gal	03/13/2015
0001330552		8200 ESD EPOXY ADHESIVE PART B	0.92	gal	03/13/2015
0001330551		8200 ESD EPOXY ADHESIVE PART B	0.92	gal	03/13/2015
0001330550		8200 ESD EPOXY ADHESIVE PART B	0.92	gal	03/13/2015
0001330549		8200 ESD EPOXY ADHESIVE PART B	0.92	gal	03/13/2015
0001330547		8200 ESD EPOXY ADHESIVE PART B	0.92	gal	03/13/2015
0001330545		8200 ESD EPOXY ADHESIVE PART B	0.92	gal	03/13/2015
0001330544		8200 ESD EPOXY ADHESIVE PART B	0.92	gal	03/13/2015
0001330543		8200 ESD EPOXY ADHESIVE PART B	0.92	gal	03/13/2015
0001330557		PENETRATING STAIN	1	gal	03/13/2015
0001360714	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/16/2015
0001330653		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330614		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330613		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330612		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330611		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330656		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330646		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330654		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330617		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330652		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330651		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330650		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330649		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330648		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330637		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330655		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330623		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330631		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330630		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330629		VULKEM 116 WHITE	10.1	oz	03/16/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001330628		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330627		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330626		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330615		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330624		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330616		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330622		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330621		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330620		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330619		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330618		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330645		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330625		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330675		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330682		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330681		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330680		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330679		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330678		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330647		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330676		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330685		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330750		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330751		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330609		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330610		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330674		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330673		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330677		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330635		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330644		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330643		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330642		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330641		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330640		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330639		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330683		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330636		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330684		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330634		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330633		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330632		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330686		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330749		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330672		VULKEM 116 WHITE	10.1	oz	03/16/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001330638		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001338242	811-97-2	DUSTER	10	oz	03/16/2015
0001338249	811-97-2	DUSTER	10	oz	03/16/2015
0001338272	14221-01-3	TETRAKIS(TRIPHENYLPHOSPHINE)-PALLADIUM(O)	1	gm	03/16/2015
0001338271	14221-01-3	TETRAKIS(TRIPHENYLPHOSPHINE)-PALLADIUM(O)	1	gm	03/16/2015
0001338190	72914-19-3	4,4-DI-TERT-BUTYL-2,2-DIPYRIDYL	5	gm	03/16/2015
0001338189	Multi	Platinum on graphitized carbon	1	gm	03/16/2015
0001360735		10% METHANE/BAL. ARGON	220	cf	03/16/2015
0001331904	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	03/16/2015
0001338215	56-23-5	CARBON TETRACHLORIDE	100	ml	03/16/2015
0001331905	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	03/16/2015
0001338243	811-97-2	DUSTER	10	oz	03/16/2015
0001338244	811-97-2	DUSTER	10	oz	03/16/2015
0001338245	811-97-2	DUSTER	10	oz	03/16/2015
0001338246	811-97-2	DUSTER	10	oz	03/16/2015
0001338247	811-97-2	DUSTER	10	oz	03/16/2015
0001330772		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001360736		.09% Fluorine/Balance Neon	220	cf	03/16/2015
0001360734		10% METHANE/BAL. ARGON	220	cf	03/16/2015
0001330598		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330770		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330764		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001360729		10% METHANE/BAL. ARGON	220	cf	03/16/2015
0001360730		10% METHANE/BAL. ARGON	220	cf	03/16/2015
0001360731		10% METHANE/BAL. ARGON	220	cf	03/16/2015
0001331731	7732-18-5	Hydrochloric Acid 30-31%	3000	lb	03/16/2015
0001360733		10% METHANE/BAL. ARGON	220	cf	03/16/2015
0001338250	811-97-2	DUSTER	10	oz	03/16/2015
0001338191	96-48-0	GAMMA-BUTYROLACTONE (4-HYDROXYBUTYRIC ACID GAMMA-LACTONE)	500	gm	03/16/2015
0001338239	7429-90-5	ALUMINUM METAL, POWDER	50	gm	03/16/2015
0001338240	7440-50-8	COPPER POWDER	50	gm	03/16/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001338241	7440-02-0	NICKEL POWDER, SPHERICAL	50	gm	03/16/2015
0001331907	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	03/16/2015
0001331906	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	03/16/2015
0001360732		10% METHANE/BAL. ARGON	220	cf	03/16/2015
0001330605		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001338248	811-97-2	DUSTER	10	oz	03/16/2015
0001360726		10% METHANE/BAL. ARGON	220	cf	03/16/2015
0001360727		10% METHANE/BAL. ARGON	220	cf	03/16/2015
0001360728		10% METHANE/BAL. ARGON	220	cf	03/16/2015
0001330769		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330608		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001360724		10% METHANE/BAL. ARGON	220	cf	03/16/2015
0001330606		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001360723		10% METHANE/BAL. ARGON	220	cf	03/16/2015
0001330604		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330603		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330602		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330601		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330600		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330599		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330607		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001360701	7727-37-9	NITROGEN	220	cf	03/16/2015
0001338251	811-97-2	DUSTER	10	oz	03/16/2015
0001338252	811-97-2	DUSTER	10	oz	03/16/2015
0001338253	811-97-2	DUSTER	10	oz	03/16/2015
0001338254	811-97-2	DUSTER	10	oz	03/16/2015
0001338255	811-97-2	DUSTER	10	oz	03/16/2015
0001360698	7727-37-9	NITROGEN	220	cf	03/16/2015
0001360725		10% METHANE/BAL. ARGON	220	cf	03/16/2015
0001360700	7727-37-9	NITROGEN	220	cf	03/16/2015
0001330763		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001360702	7727-37-9	NITROGEN	220	cf	03/16/2015
0001360703	7727-37-9	NITROGEN	220	cf	03/16/2015
0001338193		QUINTOLUBRIC 888-46	5	gal	03/16/2015
0001360705	7727-37-9	NITROGEN	220	cf	03/16/2015
0001338202	110-54-3	HEXANES (CERTIFIED ACS)	1	l	03/16/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001360722		10% METHANE/BAL. ARGON	220	cf	03/16/2015
0001360699	7727-37-9	NITROGEN	220	cf	03/16/2015
0001360715	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/16/2015
0001338268	7447-40-7	POTASSIUM CHLORIDE	100	gm	03/16/2015
0001338263	811-97-2	DUSTER	10	oz	03/16/2015
0001360721	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/16/2015
0001360720	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/16/2015
0001360719	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/16/2015
0001360718	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/16/2015
0001338261	811-97-2	DUSTER	10	oz	03/16/2015
0001360716	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/16/2015
0001338260	811-97-2	DUSTER	10	oz	03/16/2015
0001360713	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/16/2015
0001360711	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/16/2015
0001338264	811-97-2	DUSTER	10	oz	03/16/2015
0001338265	811-97-2	DUSTER	10	oz	03/16/2015
0001338266	507-28-8	TETRAPHENYLARSONIUM CHLORIDE HYDRATE	1	gm	03/16/2015
0001330771		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001360717	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/16/2015
0001360673	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	03/16/2015
0001338192		QUINTOLUBRIC 888-46	5	gal	03/16/2015
0001330774		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330773		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001360668	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	03/16/2015
0001360669	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	03/16/2015
0001360670	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	03/16/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001338262	811-97-2	DUSTER	10	oz	03/16/2015
0001360672	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	03/16/2015
0001330754		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001338194		QUINTOLUBRIC 888-46	5	gal	03/16/2015
0001338195		QUINTOLUBRIC 888-46	5	gal	03/16/2015
0001338196		QUINTOLUBRIC 888-46	5	gal	03/16/2015
0001360737		.09% Fluorine/Balance Neon	220	cf	03/16/2015
0001338258	811-97-2	DUSTER	10	oz	03/16/2015
0001338259	811-97-2	DUSTER	10	oz	03/16/2015
0001360671	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	03/16/2015
0001330761		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001338267	3811-04-9	POTASSIUM CHLORATE	100	gm	03/16/2015
0001338185	865-49-6	CHLOROFORM-D 99.8+ ATOM% D	100	gm	03/16/2015
0001338184	865-49-6	CHLOROFORM-D 99.8+ ATOM% D	100	gm	03/16/2015
0001338094	7440-46-2	CESIUM 99.98% (METAL BASIS)	25	gm	03/16/2015
0001330757		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330758		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001338209	110-54-3	HEXANE (HEXANE, ANHYDROUS)	2	l	03/16/2015
0001330760		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001360661	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	500	l	03/16/2015
0001338210	7440-18-8	RUTHENIUM SPONGE	100	gm	03/16/2015
0001330765		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330766		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330767		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330768		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330762		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330759		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001338197		QUINTOLUBRIC 888-46	5	gal	03/16/2015
0001330755		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001360712	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/16/2015
0001330756		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330752		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001338201		QUINTOLUBRIC 888-46	5	gal	03/16/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001338200		QUINTOLUBRIC 888-46	5	gal	03/16/2015
0001338186	865-49-6	CHLOROFORM-D 99.8+ ATOM% D	100	gm	03/16/2015
0001338198		QUINTOLUBRIC 888-46	5	gal	03/16/2015
0001360706	7727-37-9	NITROGEN	220	cf	03/16/2015
0001360667	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	03/16/2015
0001360666	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	03/16/2015
0001360665	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	03/16/2015
0001360664	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	03/16/2015
0001360663	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	03/16/2015
0001360662	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	03/16/2015
0001338199		QUINTOLUBRIC 888-46	5	gal	03/16/2015
0001330581		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001360679		CALIBRATION GAS	17	l	03/16/2015
0001360680	74-98-6	PROPANE	11	gal	03/16/2015
0001360681	74-98-6	PROPANE	11	gal	03/16/2015
0001360682	74-98-6	PROPANE	11	gal	03/16/2015
0001330588		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330587		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330586		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330585		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330584		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330583		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001360710	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/16/2015
0001330582		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001360676		CALIBRATION GAS	17	l	03/16/2015
0001330710		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330709		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330708		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001338091	108-73-6	PHLOROGLUCINOL	500	gm	03/16/2015
0001338093		OP-U SUSPENSION	5	l	03/16/2015
0001338187		HYDRAULIC FLUID	1	gal	03/16/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001338188	7647-01-0	HYDROGEN CHLORIDE DIOXAN SOLUTION	100	ml	03/16/2015
0001360707	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/16/2015
0001360708	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/16/2015
0001360709	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/16/2015
0001330711		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330695		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330595		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330594		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330593		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330592		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330687		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330688		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330689		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330690		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330691		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330692		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001360678		CALIBRATION GAS	17	l	03/16/2015
0001330694		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001360677		CALIBRATION GAS	17	l	03/16/2015
0001330696		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330591		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330590		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330589		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001331908	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	03/16/2015
0001360704	7727-37-9	NITROGEN	220	cf	03/16/2015
0001330597		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001338273	9073-95-4	6-Phosphogluconic Dehydrogenase, from yeast	50	ml	03/16/2015
0001360674		CALIBRATION GAS	17	l	03/16/2015
0001360675		CALIBRATION GAS	17	l	03/16/2015
0001338092	128-08-5	N-BROMOSUCCINIMIDE	5	gm	03/16/2015
0001330693		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001338214	56-23-5	CARBON TETRACHLORIDE	100	ml	03/16/2015
0001338207		Gold nanoparticles	20	ml	03/16/2015
0001338208		Gold nanoparticles	20	ml	03/16/2015
0001338212	56-23-5	CARBON TETRACHLORIDE	100	ml	03/16/2015
0001330579		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330577		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330576		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330575		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330574		VULKEM 116 WHITE	10.1	oz	03/16/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001330573		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001338213	56-23-5	CARBON TETRACHLORIDE	100	ml	03/16/2015
0001338256	811-97-2	DUSTER	10	oz	03/16/2015
0001338206		Gold nanoparticles	20	ml	03/16/2015
0001330753		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330580		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330596		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330572		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330571		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330570		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330569		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330568		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330567		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330566		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330565		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001338270	10099-58-8	LANTHANUM(III)CHLORIDE	25	gm	03/16/2015
0001338269	7790-86-5	CERIUM(III) CHLORIDE	25	gm	03/16/2015
0001338257	811-97-2	DUSTER	10	oz	03/16/2015
0001330705		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330578		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330698		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001338205		Gold nanoparticles	20	ml	03/16/2015
0001330697		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330700		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330699		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330706		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330704		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330703		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330707		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330702		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330701		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330720		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330712		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001360696	7727-37-9	NITROGEN	220	cf	03/16/2015
0001360695	7727-37-9	NITROGEN	220	cf	03/16/2015
0001360694	7727-37-9	NITROGEN	220	cf	03/16/2015
0001330733		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001360692	7727-37-9	NITROGEN	220	cf	03/16/2015
0001330718		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001360691	74-98-6	PROPANE	11	gal	03/16/2015
0001360690	74-98-6	PROPANE	11	gal	03/16/2015
0001360689	74-98-6	PROPANE	11	gal	03/16/2015
0001360688	74-98-6	PROPANE	11	gal	03/16/2015
0001360687	74-98-6	PROPANE	11	gal	03/16/2015
0001360686	74-98-6	PROPANE	11	gal	03/16/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001360685	74-98-6	PROPANE	11	gal	03/16/2015
0001360684	74-98-6	PROPANE	11	gal	03/16/2015
0001360683	74-98-6	PROPANE	11	gal	03/16/2015
0001360693	7727-37-9	NITROGEN	220	cf	03/16/2015
0001330671		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330723		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330724		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330725		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330726		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330727		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330728		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330729		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330730		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330722		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330732		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330721		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330670		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330717		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330716		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001360697	7727-37-9	NITROGEN	220	cf	03/16/2015
0001330715		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330738		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330714		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330713		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330719		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330731		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330664		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330741		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330744		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330745		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330746		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330747		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330748		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330742		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330669		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330734		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330668		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330666		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330667		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330661		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330739		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330740		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330657		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330658		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330659		VULKEM 116 WHITE	10.1	oz	03/16/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001330665		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330660		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330743		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330662		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330735		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330736		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330737		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001330663		VULKEM 116 WHITE	10.1	oz	03/16/2015
0001338376		PH 7 STANDARD BUFFER SOLUTION	500	ml	03/17/2015
0001338330		Custom Solution	125	ml	03/17/2015
0001338490	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001338371	110-16-7	MALEIC ACID	250	gm	03/17/2015
0001338380	94-36-0	Luperox A98, Benzoyl peroxide	50	gm	03/17/2015
0001338459	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001338381	75-65-0	tert-Butanol	1	l	03/17/2015
0001338339		Custom Solution	125	ml	03/17/2015
0001338342		Custom Solution	125	ml	03/17/2015
0001338488	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001338341		Custom Solution	125	ml	03/17/2015
0001338340		Custom Solution	125	ml	03/17/2015
0001338484	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001338489	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001338487	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001338343		Custom Solution	125	ml	03/17/2015
0001338344		Custom Solution	125	ml	03/17/2015
0001338477	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001338478	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001338479	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001338480	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001338481	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001338476	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001338372	13477-34-4	CALCIUM NITRATE TETRAHYDRATE	500	gm	03/17/2015
0001338486	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001331841		SOLDERING PASTE	1.7	oz	03/17/2015
0001331844		APIEZON GREASE	25	gm	03/17/2015
0001331869		LEAD SOLDER	1	lb	03/17/2015
0001331870		SOLDERING PASTE	2	oz	03/17/2015
0001338475	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001338482	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001338483	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001338485	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001331845		TORRSEAL PART A	82	gm	03/17/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001338375		PH 7 STANDARD BUFFER SOLUTION	500	ml	03/17/2015
0001331850		SILICONE COMPOUND	5	oz	03/17/2015
0001338457	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001338499	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001338498	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001338497	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001338496	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001338501	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001331851		EPOXI-PATCH RESIN	4	oz	03/17/2015
0001338502	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001338495	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001338494	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001338493	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001338492	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001338491	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001331859		TORRSEAL-VARIAN (HARDENER)	36	gm	03/17/2015
0001331852		EPOXI-PATCH HARDNER	4	oz	03/17/2015
0001331857		KOPR-KOTE	113	gm	03/17/2015
0001331863		LEAK-TEC DETECTS LEAKS	4	oz	03/17/2015
0001338236		AG MP-1M RESIN	500	gm	03/17/2015
0001338379	7681-52-9	SODIUM HYPOCHLORITE SOLUTION REAGENT	500	ml	03/17/2015
0001338403	Multi	Sylguard DC 186	1.1	lb	03/17/2015
0001338404	Multi	Sylguard DC 186	1.1	lb	03/17/2015
0001338500	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001331862		LEAK-TEC DETECTS LEAKS	4	oz	03/17/2015
0001331846		TORRSEAL PART A	82	gm	03/17/2015
0001331866		HIGH VACUUM GREASE	5.3	gm	03/17/2015
0001338335		Custom Solution	125	ml	03/17/2015
0001338336		Custom Solution	125	ml	03/17/2015
0001338505	67-56-1	METHANOL OPTIMA	1	l	03/17/2015
0001338504	67-56-1	METHANOL OPTIMA	1	l	03/17/2015
0001338503	15573-38-3	TRIS(TRIMETHYLSILYL)PHOSPHINE	50	gm	03/17/2015
0001331849		HIGH VACUUM GREASE	5.3	gm	03/17/2015
0001331843		HIGH VACUUM GREASE	5.3	gm	03/17/2015
0001331868		THREAD LOCKER	2	oz	03/17/2015
0001331867		SOLDERING PASTE	4	oz	03/17/2015
0001331840		DEVCON EPOXY	14	ml	03/17/2015
0001331865		LOCTITE SPEED BONDER	1	oz	03/17/2015
0001331853		HEAT SEAL	3	oz	03/17/2015
0001331858		TORRSEAL-VARIAN (HARDENER)	36	gm	03/17/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001338333		Custom Solution	125	ml	03/17/2015
0001338458	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001331831		HIGH VACUUM GREASE	5.3	gm	03/17/2015
0001331910	1310-73-2	Sodium Hydroxide 25%	3400	lb	03/17/2015
0001331909	1310-73-2	Sodium Hydroxide 25%	3400	lb	03/17/2015
0001338338		Custom Solution	125	ml	03/17/2015
0001338337		Custom Solution	125	ml	03/17/2015
0001338332		Custom Solution	125	ml	03/17/2015
0001338334		Custom Solution	125	ml	03/17/2015
0001338465	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001338331		Custom Solution	125	ml	03/17/2015
0001338472	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001338471	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001338470	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001338469	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001338468	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001338455	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001338466	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001338456	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001338464	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001338463	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001338462	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001338461	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001338460	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001331848		TORRSEAL-VARIAN (HARDENER)	36	gm	03/17/2015
0001338467	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001338295	67-64-1	ACETONE	1	gal	03/17/2015
0001338306	67-64-1	ACETONE	1	gal	03/17/2015
0001338309	116183-64-3	n-DODECYL-a-D-MALTOPYRANOSIDE, ANAGRADE	5	gm	03/17/2015
0001338286		Diamond Lapping Compound Finishing blue	5	gm	03/17/2015
0001338287		Diamond Lapping Compound Finishing blue	5	gm	03/17/2015
0001338288		Diamond Lapping Compound Finishing blue	5	gm	03/17/2015
0001338289	67-63-0	2-PROPANOL	1	l	03/17/2015
0001338290	67-56-1	METHANOL	1	l	03/17/2015
0001338291	7778-77-0	POTASSIUM PHOSPHATE, MONOBASIC, CRYSTAL	500	gm	03/17/2015
0001338292	67-64-1	ACETONE	1	gal	03/17/2015
0001338311		SIGMACLEAN WATER BATH TREATMENT	4	oz	03/17/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001338294	67-64-1	ACETONE	1	gal	03/17/2015
0001338312		SIGMACLEAN WATER BATH TREATMENT	4	oz	03/17/2015
0001338296	67-64-1	ACETONE	1	gal	03/17/2015
0001338297	67-64-1	ACETONE	1	gal	03/17/2015
0001338298	67-64-1	ACETONE	1	gal	03/17/2015
0001338299	67-64-1	ACETONE	1	gal	03/17/2015
0001338300	67-64-1	ACETONE	1	gal	03/17/2015
0001338301	67-64-1	ACETONE	1	gal	03/17/2015
0001338302	67-64-1	ACETONE	1	gal	03/17/2015
0001338303	67-64-1	ACETONE	1	gal	03/17/2015
0001338304	67-64-1	ACETONE	1	gal	03/17/2015
0001338305	67-64-1	ACETONE	1	gal	03/17/2015
0001338293	67-64-1	ACETONE	1	gal	03/17/2015
0001338324		Custom Solution	125	ml	03/17/2015
0001338373		PH-2 Standard	500	ml	03/17/2015
0001338374		PH-2 Standard	500	ml	03/17/2015
0001338377		PH 10 BUFFER SOLUTION	500	ml	03/17/2015
0001338378		PH 10 BUFFER SOLUTION	500	ml	03/17/2015
0001331860		ANTI SEIZE LUBRICANT	5	gm	03/17/2015
0001338329		Custom Solution	125	ml	03/17/2015
0001331847		HIGH VACUUM ANTI-FREEZE	75	gm	03/17/2015
0001338328		Custom Solution	125	ml	03/17/2015
0001338327		Custom Solution	125	ml	03/17/2015
0001338310	148565-58-6	n-DODECYL-?-D-THIOMALTOPYRANOSIDE, ANAGRAD	5	gm	03/17/2015
0001338325		Custom Solution	125	ml	03/17/2015
0001338318		Custom Solution	125	ml	03/17/2015
0001338323		Custom Solution	125	ml	03/17/2015
0001338322		Custom Solution	125	ml	03/17/2015
0001338321		Custom Solution	125	ml	03/17/2015
0001310605		ATF	1	qt	03/17/2015
0001338319		Custom Solution	125	ml	03/17/2015
0001338317		Custom Solution	125	ml	03/17/2015
0001338316		Custom Solution	125	ml	03/17/2015
0001338315		Custom Solution	125	ml	03/17/2015
0001338314		Custom Solution	125	ml	03/17/2015
0001338313		Custom Solution	125	ml	03/17/2015
0001338326		Custom Solution	125	ml	03/17/2015
0001310609		ATF	1	qt	03/17/2015
0001338280		Diamond Lapping Compound Finishing blue	5	gm	03/17/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001338279		Diamond Lapping Compound Finishing blue	5	gm	03/17/2015
0001338278	138-15-8	SUPERIOR NO. 30 SOLDERING FLUX	1	pt	03/17/2015
0001338277	2206-27-1	DIMETHYLSULFOXIDE-D6	50	gm	03/17/2015
0001338276	207671-46-3	D-Ribose 5-phosphate disodium salt dihydrate	250	gm	03/17/2015
0001338275	53411-70-4	6-PHOSPHOGLUCONIC ACID TRISODIUM SALT	100	ml	03/17/2015
0001310612		ATF	1	gal	03/17/2015
0001338274	53411-70-4	6-PHOSPHOGLUCONIC ACID TRISODIUM SALT	100	ml	03/17/2015
0001310611		ATF	1	gal	03/17/2015
0001331861		THREAD LUBE	1	oz	03/17/2015
0001331864		THREAD LUBE	1	oz	03/17/2015
0001310610		ATF	1	gal	03/17/2015
0001338320		Custom Solution	125	ml	03/17/2015
0001338307	67-64-1	ACETONE	1	gal	03/17/2015
0001338283		Diamond Lapping Compound Finishing blue	5	gm	03/17/2015
0001338308		HYBRIDIZATION BUFFER	125	ml	03/17/2015
0001331855		WD-40	16	oz	03/17/2015
0001331856		WD-40	16	oz	03/17/2015
0001338370	007697-37-2	NITRIC ACID	2.5	l	03/17/2015
0001338473	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001338474	1336-21-6	AMMONIUM HYDROXIDE	2.5	l	03/17/2015
0001338284		Diamond Lapping Compound Finishing blue	5	gm	03/17/2015
0001310608		ATF	1	qt	03/17/2015
0001338282		Diamond Lapping Compound Finishing blue	5	gm	03/17/2015
0001338281		Diamond Lapping Compound Finishing blue	5	gm	03/17/2015
0001310604		ATF	1	qt	03/17/2015
0001310606		ATF	1	qt	03/17/2015
0001310607		ATF	1	qt	03/17/2015
0001338285		Diamond Lapping Compound Finishing blue	5	gm	03/17/2015
0001330793		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/18/2015
0001338527	52093-29-5	Gadolinium(III) trifluoromethanesulfonate	5	gm	03/18/2015
0001331914	1310-73-2	Sodium Hydroxide 25%	3400	lb	03/18/2015
0001331913	1310-73-2	Sodium Hydroxide 25%	3400	lb	03/18/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001330785		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/18/2015
0001330806		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/18/2015
0001338407	10099-74-8	LEAD NITRATE	100	gm	03/18/2015
0001330787		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/18/2015
0001338382	1333-86-4	CARBON BLACK	25	gm	03/18/2015
0001330786		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/18/2015
0001338408	10099-74-8	LEAD NITRATE	100	gm	03/18/2015
0001338409	10099-74-8	LEAD NITRATE	100	gm	03/18/2015
0001338410	10099-74-8	LEAD NITRATE	100	gm	03/18/2015
0001331915	1310-73-2	Sodium Hydroxide 25%	3400	lb	03/18/2015
0001330807		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/18/2015
0001330808		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/18/2015
0001330784		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/18/2015
0001330783		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/18/2015
0001338238	74-87-3	CHLOROMETHANE	100	mg	03/18/2015
0001331916	1310-73-2	Sodium Hydroxide 25%	3400	lb	03/18/2015
0001330792		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/18/2015
0001338421	13446-18-9	MAGNESIUM NITRATE HEXAHYDRATE	500	gm	03/18/2015
0001338444	75-12-7	FORMAMIDE	1	l	03/18/2015
0001330778		VULKEM 116 BLACK	10.1	oz	03/18/2015
0001330777		VULKEM 116 BLACK	10.1	oz	03/18/2015
0001330776		VULKEM 116 BLACK	10.1	oz	03/18/2015
0001330775		VULKEM 116 BLACK	10.1	oz	03/18/2015
0001338519	1076-43-3	BENZENE-D6	10	gm	03/18/2015
0001330780		100% SILICONE SEALANT	9.8	oz	03/18/2015
0001338517	67-66-3	CHLOROFORM	100	gm	03/18/2015
0001330781		100% SILICONE SEALANT	9.8	oz	03/18/2015
0001338420	13446-18-9	MAGNESIUM NITRATE HEXAHYDRATE	500	gm	03/18/2015
0001338419	13446-18-9	MAGNESIUM NITRATE HEXAHYDRATE	500	gm	03/18/2015
0001338418	13446-18-9	MAGNESIUM NITRATE HEXAHYDRATE	500	gm	03/18/2015
0001338417	13446-18-9	MAGNESIUM NITRATE HEXAHYDRATE	500	gm	03/18/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001338416	13446-18-9	MAGNESIUM NITRATE HEXAHYDRATE	500	gm	03/18/2015
0001338412	13478-00-7	NICKEL(II) NITRATE HEXAHYDRATE	500	gm	03/18/2015
0001338518	1076-43-3	BENZENE-D6	10	gm	03/18/2015
0001330799		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/18/2015
0001330790		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/18/2015
0001330789		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/18/2015
0001338523	141-78-6	ETHYL ACETATE	4	l	03/18/2015
0001338522	75-09-2	METHYLENE CHLORIDE	4	l	03/18/2015
0001338521	75-09-2	METHYLENE CHLORIDE	4	l	03/18/2015
0001338520	7647-14-5	SODIUM CHLORIDE	1	l	03/18/2015
0001330779		100% SILICONE SEALANT	9.8	oz	03/18/2015
0001338443	75-12-7	FORMAMIDE	1	l	03/18/2015
0001330791		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/18/2015
0001338442	77-86-1	TRIS(HYDROXYMETHYL)AMINOMETHANE	100	gm	03/18/2015
0001338441	2075-46-9	4-Nitro-1H-Pyrazol	5	gm	03/18/2015
0001338440	9002-92-0	Brij L4	100	ml	03/18/2015
0001338432	119039-74-6	Polydeoxyguanylic acid	10	ml	03/18/2015
0001338430	7365-45-9	HEPES	1	kg	03/18/2015
0001330782		100% SILICONE SEALANT	9.8	oz	03/18/2015
0001338406	10099-74-8	LEAD NITRATE	100	gm	03/18/2015
0001338447		Shredder Oil	12	oz	03/18/2015
0001330523		fast setting cement	50	lb	03/18/2015
0001338452		Shredder Oil	12	oz	03/18/2015
0001338451		Shredder Oil	12	oz	03/18/2015
0001338450		Shredder Oil	12	oz	03/18/2015
0001338431	12125-02-9	AMMONIUM CHLORIDE	1	kg	03/18/2015
0001338433	9003-11-6	Poly(ethylene glycol)-block-poly(propylene glycol)-block-poly(ethylene glycol)	250	ml	03/18/2015
0001338434	9003-11-6	Poly(ethylene glycol)-block-poly(propylene glycol)-block-poly(ethylene glycol)	250	ml	03/18/2015
0001338435	9003-11-6	Poly(ethylene glycol)-block-poly(propylene glycol)-block-poly(ethylene glycol)	250	ml	03/18/2015
0001338436	9003-11-6	Poly(ethylene glycol)-block-poly(propylene glycol)-block-poly(ethylene glycol)	250	ml	03/18/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001338437	9003-11-6	Poly(ethylene glycol)-block-poly(propylene glycol)-block-poly(ethylene glycol)	250	ml	03/18/2015
0001330522		fast setting cement	50	lb	03/18/2015
0001330801		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/18/2015
0001338448		Shredder Oil	12	oz	03/18/2015
0001338506	584-08-7	POTASSIUM CARBONATE	2.5	kg	03/18/2015
0001338425	16114-05-9	N,N'-Bis(dimethylaminomethylene)hydrazine	5	gm	03/18/2015
0001330521		fast setting cement	50	lb	03/18/2015
0001330520		fast setting cement	50	lb	03/18/2015
0001330519		fast setting cement	50	lb	03/18/2015
0001330518		fast setting cement	50	lb	03/18/2015
0001330517		fast setting cement	50	lb	03/18/2015
0001330516		fast setting cement	50	lb	03/18/2015
0001338438	9003-11-6	Poly(ethylene glycol)-block-poly(propylene glycol)-block-poly(ethylene glycol)	250	ml	03/18/2015
0001338439	9003-11-6	Poly(ethylene glycol)-block-poly(propylene glycol)-block-poly(ethylene glycol)	250	ml	03/18/2015
0001338428	61966-14-1	Fast Corinth V zinc chloride double salt	5	gm	03/18/2015
0001338427		ZIRCONIUM OXIDE/YTTRIUM OXIDE	200	gm	03/18/2015
0001338426		ZIRCONIUM OXIDE/YTTRIUM OXIDE	200	gm	03/18/2015
0001338449		Shredder Oil	12	oz	03/18/2015
0001330798		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/18/2015
0001330804		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/18/2015
0001338413	7681-57-4	SODIUM METABISULFITE	10000	gm	03/18/2015
0001338414	7681-57-4	SODIUM METABISULFITE	10000	gm	03/18/2015
0001338415	7681-57-4	SODIUM METABISULFITE	10000	gm	03/18/2015
0001338422		BAIKALOX ALUMINA POLISHING SUSPENSION 1.0 MICRON	12	oz	03/18/2015
0001338423		BAIKALOX ALUMINA POLISHING SUSPENSION 1.0 MICRON	12	oz	03/18/2015
0001338445		Shredder Oil	12	oz	03/18/2015
0001338446		Shredder Oil	12	oz	03/18/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001330805		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/18/2015
0001330803		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/18/2015
0001330802		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/18/2015
0001338411	6153-56-6	OXALIC ACID CERT. ACS	250	gm	03/18/2015
0001330524		fast setting cement	50	lb	03/18/2015
0001330788		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/18/2015
0001338453	141-78-6	ETHYL ACETATE	4	l	03/18/2015
0001330797		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/18/2015
0001330796		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/18/2015
0001330795		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/18/2015
0001330794		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/18/2015
0001338424	16114-05-9	N,N'-Bis(dimethylaminomethylene)hydrazine	5	gm	03/18/2015
0001338528	76089-77-5	CERIUM (III) TRIFLUOROMETHANESULFONATE	5	gm	03/18/2015
0001338429	64071-86-9	Fast Black K Salt hemi(zinc chloride) salt	25	gm	03/18/2015
0001338516	110-54-3	HEXANE (HEXANE, ANHYDROUS)	1	l	03/18/2015
0001338515	64-17-5	ETHYL ALCOHOL	1	l	03/18/2015
0001338514	141-78-6	ETHYL ACETATE	2	l	03/18/2015
0001338507		TRIS HCL 1.0M	100	ml	03/18/2015
0001338405	10099-74-8	LEAD NITRATE	100	gm	03/18/2015
0001330800		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/18/2015
0001338548		ZINC STANDARD	125	ml	03/19/2015
0001330860		ALEX PLUS	10.1	oz	03/19/2015
0001331883		SNOOP LIQUID LEAK DETECTOR	8	oz	03/19/2015
0001331881		SILICONE RUBBER SEALANT/ADHESIVE	2.8	oz	03/19/2015
0001338529		SOLUTION A	250	ml	03/19/2015
0001338524	64-18-6	FORMIC ACID	10	ml	03/19/2015
0001331886		GLANCE MULTI-SURFACE CLEANER	32	oz	03/19/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001338549	7440-61-1	URANIUM STANDARD SOLUTION	125	ml	03/19/2015
0001310616		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	03/19/2015
0001338547		ZINC STANDARD	125	ml	03/19/2015
0001338546		GALLIUM STANDARD SOLUTION	125	ml	03/19/2015
0001338545		GALLIUM STANDARD SOLUTION	125	ml	03/19/2015
0001338513		ZINC STANDARD	125	ml	03/19/2015
0001338512		ZINC STANDARD	125	ml	03/19/2015
0001331884		SNOOP LIQUID LEAK DETECTOR	1	gal	03/19/2015
0001338550	7440-61-1	URANIUM STANDARD SOLUTION	125	ml	03/19/2015
0001310627		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	03/19/2015
0001310629		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	03/19/2015
0001310630		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	03/19/2015
0001330859		ALEX PLUS	10.1	oz	03/19/2015
0001330858		ALEX PLUS	10.1	oz	03/19/2015
0001330857		ALEX PLUS	10.1	oz	03/19/2015
0001331885		GLANCE MULTI-SURFACE CLEANER	32	oz	03/19/2015
0001330855		ALEX PLUS	10.1	oz	03/19/2015
0001310628		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	03/19/2015
0001310626		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	03/19/2015
0001310625		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	03/19/2015
0001310624		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	03/19/2015
0001310623		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	03/19/2015
0001310622		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	03/19/2015
0001310618		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	03/19/2015
0001330856		ALEX PLUS	10.1	oz	03/19/2015
0001330838		ALEX PLUS	10.1	oz	03/19/2015
0001330844		ALEX PLUS	10.1	oz	03/19/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001310632		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	03/19/2015
0001338530	Multi	ICP-MS-68B Solution C	250	ml	03/19/2015
0001330833		ALEX PLUS	10.1	oz	03/19/2015
0001330834		ALEX PLUS	10.1	oz	03/19/2015
0001330835		ALEX PLUS	10.1	oz	03/19/2015
0001331877		loctite moly paste	8	oz	03/19/2015
0001330837		ALEX PLUS	10.1	oz	03/19/2015
0001331876		loctite moly paste	8	oz	03/19/2015
0001330839		ALEX PLUS	10.1	oz	03/19/2015
0001330840		ALEX PLUS	10.1	oz	03/19/2015
0001330841		ALEX PLUS	10.1	oz	03/19/2015
0001330842		ALEX PLUS	10.1	oz	03/19/2015
0001330843		ALEX PLUS	10.1	oz	03/19/2015
0001331749		SLOW-CURE 30-Min. Epoxy	9	oz	03/19/2015
0001330836		ALEX PLUS	10.1	oz	03/19/2015
0001310641		DIESEL EXHAUST FLUID	2.5	gal	03/19/2015
0001331748		SLOW-CURE 30-Min. Epoxy	9	oz	03/19/2015
0001331747		SLOW-CURE 30-Min. Epoxy	9	oz	03/19/2015
0001331746		SLOW-CURE 30-Min. Epoxy	9	oz	03/19/2015
0001331745		SLOW-CURE 30-Min. Epoxy	9	oz	03/19/2015
0001310637		WINDSHIELD WASHER FLUID	1	gal	03/19/2015
0001310638		DIESEL EXHAUST FLUID	2.5	gal	03/19/2015
0001310631		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	03/19/2015
0001310640		DIESEL EXHAUST FLUID	2.5	gal	03/19/2015
0001310620		MOTOR OIL	1	qt	03/19/2015
0001310633		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	03/19/2015
0001330854		ALEX PLUS	10.1	oz	03/19/2015
0001331742		Heavy Duty Epoxy	4	oz	03/19/2015
0001330852		ALEX PLUS	10.1	oz	03/19/2015
0001330850		ALEX PLUS	10.1	oz	03/19/2015
0001330849		ALEX PLUS	10.1	oz	03/19/2015
0001310639		DIESEL EXHAUST FLUID	2.5	gal	03/19/2015
0001310634		ANTIFREEZE	1	gal	03/19/2015
0001310621		MOTOR OIL	1	qt	03/19/2015
0001331735		DEVCON PLASTIC STEEL LIQUID (B) KIT	0.84	oz	03/19/2015
0001331734		DEVCON PLASTIC STEEL LIQUID (B) KIT	0.84	oz	03/19/2015
0001331733		DEVCON PLASTIC STEEL LIQUID (B) KIT	0.84	oz	03/19/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001331732		DEVCON PLASTIC STEEL LIQUID (B) KIT	0.84	oz	03/19/2015
0001331744		Heavy Duty Epoxy	4	oz	03/19/2015
0001331741		Heavy Duty Epoxy	4	oz	03/19/2015
0001331882		PHOSPHORIC ACID	25	ml	03/19/2015
0001331740		Heavy Duty Epoxy	4	oz	03/19/2015
0001331880		PIPE SEALANT	0.2	oz	03/19/2015
0001331879		PIPE SEALANT	0.2	oz	03/19/2015
0001331878		VACUUM PUMP OIL	1	l	03/19/2015
0001331875		TAP MAGIC CUTTING FLUID	16	oz	03/19/2015
0001331874		WD-40	16	oz	03/19/2015
0001310651		TRANSMISSION FLUID	5	gal	03/19/2015
0001331743		Heavy Duty Epoxy	4	oz	03/19/2015
0001330848		ALEX PLUS	10.1	oz	03/19/2015
0001310619		MOTOR OIL	1	qt	03/19/2015
0001310617		ATF	1	qt	03/19/2015
0001310615		STARTING FLUID FOR DIESEL AND GASOLINE ENGINES	10.7	oz	03/19/2015
0001310614		STARTING FLUID FOR DIESEL AND GASOLINE ENGINES	10.7	oz	03/19/2015
0001338454	7782-42-5	GRAPHITE	1	kg	03/19/2015
0001330845		ALEX PLUS	10.1	oz	03/19/2015
0001331736		DEVCON PLASTIC STEEL LIQUID (B) KIT	0.84	oz	03/19/2015
0001330847		ALEX PLUS	10.1	oz	03/19/2015
0001330853		ALEX PLUS	10.1	oz	03/19/2015
0001310636		WINDSHIELD WASHER FLUID	1	gal	03/19/2015
0001310635		WINDSHIELD WASHER FLUID	1	gal	03/19/2015
0001202383		Weld On #16	146	ml	03/19/2015
0001331737		Heavy Duty Epoxy	4	oz	03/19/2015
0001331738		Heavy Duty Epoxy	4	oz	03/19/2015
0001331739		Heavy Duty Epoxy	4	oz	03/19/2015
0001330846		ALEX PLUS	10.1	oz	03/19/2015
0001330871		ALEX PLUS	10.1	oz	03/19/2015
0001330878		ALEX PLUS	10.1	oz	03/19/2015
0001330877		ALEX PLUS	10.1	oz	03/19/2015
0001330876		ALEX PLUS	10.1	oz	03/19/2015
0001330875		ALEX PLUS	10.1	oz	03/19/2015
0001330874		ALEX PLUS	10.1	oz	03/19/2015
0001310644		ANTIFREEZE/COOLANT	1	gal	03/19/2015
0001310643		ANTIFREEZE/COOLANT	1	gal	03/19/2015
0001331873		FANTASTIK SPRAY CLEAN	1	qt	03/19/2015
0001330872		ALEX PLUS	10.1	oz	03/19/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001310613		MULTI-PURPOSE GREASE	14.1	oz	03/19/2015
0001330870		ALEX PLUS	10.1	oz	03/19/2015
0001330869		ALEX PLUS	10.1	oz	03/19/2015
0001330868		ALEX PLUS	10.1	oz	03/19/2015
0001330867		ALEX PLUS	10.1	oz	03/19/2015
0001330866		ALEX PLUS	10.1	oz	03/19/2015
0001330865		ALEX PLUS	10.1	oz	03/19/2015
0001330864		ALEX PLUS	10.1	oz	03/19/2015
0001202382		Weld On 3	118	ml	03/19/2015
0001330873		ALEX PLUS	10.1	oz	03/19/2015
0001310647		ANTIFREEZE/COOLANT	1	gal	03/19/2015
0001331832		AJAX OXYGEN BLEACH CLEANER	21	oz	03/19/2015
0001331834		AJAX OXYGEN BLEACH CLEANER	21	oz	03/19/2015
0001331835		AJAX OXYGEN BLEACH CLEANER	21	oz	03/19/2015
0001331833		AJAX OXYGEN BLEACH CLEANER	21	oz	03/19/2015
0001310645		ANTIFREEZE/COOLANT	1	gal	03/19/2015
0001331872		FANTASTIK SPRAY CLEAN	1	qt	03/19/2015
0001331871		FANTASTIK SPRAY CLEAN	1	qt	03/19/2015
0001331854		FANTASTIK SPRAY CLEAN	1	qt	03/19/2015
0001330879		ALEX PLUS	10.1	oz	03/19/2015
0001310646		ANTIFREEZE/COOLANT	1	gal	03/19/2015
0001330880		ALEX PLUS	10.1	oz	03/19/2015
0001330851		ALEX PLUS	10.1	oz	03/19/2015
0001310648		TRANSMISSION FLUID	5	gal	03/19/2015
0001331750		SLOW-CURE 30-Min. Epoxy	9	oz	03/19/2015
0001331839		FANTASTIK SPRAY CLEAN	1	qt	03/19/2015
0001331838		FANTASTIK SPRAY CLEAN	1	qt	03/19/2015
0001331837		FANTASTIK SPRAY CLEAN	1	qt	03/19/2015
0001331836		FANTASTIK SPRAY CLEAN	1	qt	03/19/2015
0001330862		ALEX PLUS	10.1	oz	03/19/2015
0001331842		FANTASTIK SPRAY CLEAN	1	qt	03/19/2015
0001330813		HI-STRENGTH 90	17.6	oz	03/19/2015
0001338509		GALLIUM STANDARD SOLUTION	125	ml	03/19/2015
0001330863		ALEX PLUS	10.1	oz	03/19/2015
0001338511		ZINC STANDARD	125	ml	03/19/2015
0001310642		ANTIFREEZE/COOLANT	1	gal	03/19/2015
0001330816		HI-STRENGTH 90	17.6	oz	03/19/2015
0001338508		GALLIUM STANDARD SOLUTION	125	ml	03/19/2015
0001330814		HI-STRENGTH 90	17.6	oz	03/19/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001338510		GALLIUM STANDARD SOLUTION	125	ml	03/19/2015
0001330812		HI-STRENGTH 90	17.6	oz	03/19/2015
0001330811		HI-STRENGTH 90	17.6	oz	03/19/2015
0001330810		HI-STRENGTH 90	17.6	oz	03/19/2015
0001330809		HI-STRENGTH 90	17.6	oz	03/19/2015
0001331752		SLOW-CURE 30-Min. Epoxy	9	oz	03/19/2015
0001331751		SLOW-CURE 30-Min. Epoxy	9	oz	03/19/2015
0001330815		HI-STRENGTH 90	17.6	oz	03/19/2015
0001330861		ALEX PLUS	10.1	oz	03/19/2015
0001330822		HI-STRENGTH 90	17.6	oz	03/19/2015
0001310650		TRANSMISSION FLUID	5	gal	03/19/2015
0001330821		HI-STRENGTH 90	17.6	oz	03/19/2015
0001310649		TRANSMISSION FLUID	5	gal	03/19/2015
0001330820		HI-STRENGTH 90	17.6	oz	03/19/2015
0001330819		HI-STRENGTH 90	17.6	oz	03/19/2015
0001330818		HI-STRENGTH 90	17.6	oz	03/19/2015
0001330817		HI-STRENGTH 90	17.6	oz	03/19/2015
0001338525	7697-37-2	NITRIC ACID	2.5	l	03/20/2015
0001338541	26628-22-8	SODIUM AZIDE	500	gm	03/20/2015
0001310675		ANTIFREEZE	1	gal	03/20/2015
0001330905		PERMACRYL eggshell white INTERIOR ACRYLIC DE-1531	1	gal	03/20/2015
0001338526	7697-37-2	NITRIC ACID	2.5	l	03/20/2015
0001331927		NALCO 7408 CHLORINE SCAVENGER SOLUTION	55	gal	03/20/2015
0001338534	14985-18-3	ZIRCONIUM DINITRATE OXIDE HYDRATE	100	gm	03/20/2015
0001338533	14985-18-3	ZIRCONIUM DINITRATE OXIDE HYDRATE	100	gm	03/20/2015
0001338532		3110 RTV ENCAPSULANT	435	gm	03/20/2015
0001338531		3110 RTV ENCAPSULANT	435	gm	03/20/2015
0001268982		SANDABLE PRIMER	12	oz	03/20/2015
0001330902		PERMACRYL eggshell white INTERIOR ACRYLIC DE-1531	1	gal	03/20/2015
0001330903		PERMACRYL eggshell white INTERIOR ACRYLIC DE-1531	1	gal	03/20/2015
0001330904		PERMACRYL eggshell white INTERIOR ACRYLIC DE-1531	1	gal	03/20/2015
0001331926		NALCO 7408 CHLORINE SCAVENGER SOLUTION	55	gal	03/20/2015
0000956431		EPOXY ADHESIVE PART A	2.8	lb	03/20/2015
0001330901		PERMACRYL eggshell white INTERIOR ACRYLIC DE-1531	1	gal	03/20/2015
0001330919		PSX 700 CURE	0.2	gal	03/20/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001330894		COTE ALL MULTI-PURPOSE ENAMEL	1	gal	03/20/2015
0001330893		COTE ALL MULTI-PURPOSE ENAMEL	1	gal	03/20/2015
0001330892		COTE ALL MULTI-PURPOSE ENAMEL	1	gal	03/20/2015
0001310674		ANTIFREEZE	1	gal	03/20/2015
0001330910		PSX 700 PART A(RESIN)	0.8	gal	03/20/2015
0001330911		PSX 700 PART A(RESIN)	0.8	gal	03/20/2015
0001330912		PSX 700 PART A(RESIN)	0.8	gal	03/20/2015
0001330913		PSX 700 PART A(RESIN)	0.8	gal	03/20/2015
0001330914		PSX 700 PART A(RESIN)	0.8	gal	03/20/2015
0001330915		PSX 700 PART A(RESIN)	0.8	gal	03/20/2015
0001330916		PSX 700 CURE	0.2	gal	03/20/2015
0001338543		IRON PLASMA STANDARDS, 1,000 PPM, 10,000 PPM IN DILUTE HYDRO	50	ml	03/20/2015
0001330918		PSX 700 CURE	0.2	gal	03/20/2015
0001338554	75-05-8	ACETONITRILE CERTIFIED ACS	2.5	l	03/20/2015
0001330920		PSX 700 CURE	0.2	gal	03/20/2015
0001330921		PSX 700 CURE	0.2	gal	03/20/2015
0001330891		COTE ALL MULTI-PURPOSE ENAMEL	1	gal	03/20/2015
0001330890		COTE ALL MULTI-PURPOSE ENAMEL	1	gal	03/20/2015
0001330886		PSX 700 CURE	1	gal	03/20/2015
0001330885		PSX 700 CURE	1	gal	03/20/2015
0001330884		PSX 700 CURE	1	gal	03/20/2015
0001330883		PSX 700 PART A(RESIN)	4	gal	03/20/2015
0001330882		PSX 700 PART A(RESIN)	4	gal	03/20/2015
0001330881		PSX 700 PART A(RESIN)	4	gal	03/20/2015
0001310661		MULTI-PURPOSE GREASE	14.1	gal	03/20/2015
0001330917		PSX 700 CURE	0.2	gal	03/20/2015
0001330899		PERMACRYL SEMI-GLOSS EXTERIOR	1	gal	03/20/2015
0001338602	93376-66-0	PAMAM DENDRIMER, GENERATION 2	1	gm	03/20/2015
0001338601	93376-66-0	PAMAM DENDRIMER, GENERATION 2	1	gm	03/20/2015
0001338600	93376-66-0	PAMAM DENDRIMER, GENERATION 2	1	gm	03/20/2015
0001338599	93376-66-0	PAMAM DENDRIMER, GENERATION 2	1	gm	03/20/2015
0001338544	10294-41-4	Cerium (III) Nitrate	500	gm	03/20/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001338542		186 SILICONE ELASTOMER CURING AGENT	19.9	kg	03/20/2015
0001338540	26628-22-8	SODIUM AZIDE	500	gm	03/20/2015
0001338539	26628-22-8	SODIUM AZIDE	500	gm	03/20/2015
0001338538	26628-22-8	SODIUM AZIDE	500	gm	03/20/2015
0001338537	26628-22-8	SODIUM AZIDE	500	gm	03/20/2015
0001338536	811-97-2	DUSTER	10	oz	03/20/2015
0001338552	109-99-9	TETRAHYDROFURAN	1	l	03/20/2015
0001330900		PERMACRYL SEMI-GLOSS EXTERIOR	1	gal	03/20/2015
0001338553	60-29-7	DIETHYL ETHER	1	l	03/20/2015
0001330898		PERMACRYL SEMI-GLOSS EXTERIOR	1	gal	03/20/2015
0001330897		COTE ALL MULTI-PURPOSE ENAMEL	1	gal	03/20/2015
0001330896		COTE ALL MULTI-PURPOSE ENAMEL	1	gal	03/20/2015
0001330895		COTE ALL MULTI-PURPOSE ENAMEL	1	gal	03/20/2015
0000956435		RUBBER CEMENT	1	qt	03/20/2015
0000956434	7440-21-3	SILICONE LUBRICANT SPRAY	11	oz	03/20/2015
0000956433	7782-49-2	SELENIUM POWDER	300	mg	03/20/2015
0000956432		EPOXY ADHESIVE PART B	2.5	lb	03/20/2015
0001330937		WOOD FILLER	8	oz	03/20/2015
0001330936		WOOD FILLER	8	oz	03/20/2015
0001331799		ADDITIVE FOR COOLING FLUID	5	l	03/20/2015
0001310652		ENGINE OIL	1	gal	03/20/2015
0001338535	7646-69-7	SODIUM HYDRIDE DRY, 95%	50	gm	03/20/2015
0001310671		ANTIFREEZE	1	gal	03/20/2015
0001330922		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/20/2015
0001330923		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/20/2015
0001330924		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/20/2015
0001330925		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/20/2015
0001330927		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/20/2015
0001330929		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/20/2015
0001330930		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/20/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001330931		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/20/2015
0001330932		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/20/2015
0001330908		PermAcryl Exterior Latex Enamel 1533	1	gal	03/20/2015
0001330934		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/20/2015
0001330926		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/20/2015
0001310657		BATTERY CLEANER	11	oz	03/20/2015
0001310672		ANTIFREEZE	1	gal	03/20/2015
0001310659		QD ELECTRONIC CLEANER	11	oz	03/20/2015
0001330935		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/20/2015
0001330909		PermAcryl Exterior Latex Enamel 1533	1	gal	03/20/2015
0001331918	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	03/20/2015
0001338551	74974-61-1	Aluminum trifluoromethanesulfonate	10	gm	03/20/2015
0000956436	811-97-2	DUST BLASTER (1,1,1,2 TETRAFLUOROETHANE)	10	oz	03/20/2015
0001310655		LACQUER PAINT HOT ROD BLACK	12	oz	03/20/2015
0001310656		LACQUER PAINT HOT ROD BLACK	12	oz	03/20/2015
0001330933		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/20/2015
0001310663		ANTIFREEZE	1	gal	03/20/2015
0001310673		ANTIFREEZE	1	gal	03/20/2015
0001310669		MOTOR OIL	1	qt	03/20/2015
0001310668		MOTOR OIL	1	qt	03/20/2015
0001310667		MOTOR OIL	1	qt	03/20/2015
0001310666		MOTOR OIL	1	qt	03/20/2015
0001310665		MOTOR OIL	1	qt	03/20/2015
0001330928		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/20/2015
0001310664		MOTOR OIL 5W-30	1	qt	03/20/2015
0001310654		ENGINE OIL	1	gal	03/20/2015
0001331925		TRI-ACT 1820	450	lb	03/20/2015
0001331924		Nalco 22341	503	lb	03/20/2015
0001331923		NALCO 8735	639	lb	03/20/2015
0001331922	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	03/20/2015
0001310660		BRAKE FLUID DOT 3	12	oz	03/20/2015
0001331917	7732-18-5	Hydrochloric Acid 30-31%	3000	lb	03/20/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001310653		ENGINE OIL	1	gal	03/20/2015
0001331921	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	03/20/2015
0001310670		ANTIFREEZE	1	gal	03/20/2015
0001310662		DIESEL FUEL SUPPLEMENT	32	oz	03/20/2015
0001310658		BELT CONDITIONER	7.5	oz	03/20/2015
0001240797		SANDABLE PRIMER	12	oz	03/20/2015
0001240788		SANDABLE PRIMER	12	oz	03/20/2015
0001331919	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	03/20/2015
0001331920	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	03/20/2015
0001360768	64742-65-0	PUMP OIL	1	qt	03/23/2015
0001338604	19327-39-0	Tetraethylene Glycol Monooctyl Ether	10	ml	03/23/2015
0001310680		CARBURETOR AND PARTS CLEANER	1	gal	03/23/2015
0001330970		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/23/2015
0001338603	19327-39-0	Tetraethylene Glycol Monooctyl Ether	10	ml	03/23/2015
0001330968		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/23/2015
0001330967		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/23/2015
0001330966		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/23/2015
0001360767	64742-65-0	PUMP OIL	1	qt	03/23/2015
0001360769	64742-65-0	PUMP OIL	1	qt	03/23/2015
0001310676		ENGINE ENAMEL	12	oz	03/23/2015
0001338605	109-66-0	PENTANE, ANHYDROUS	1	l	03/23/2015
0001360770	64742-65-0	PUMP OIL	1	qt	03/23/2015
0001338615		FANTASTIKE ALL PURPOSE CLEANER	32	oz	03/23/2015
0001360763		EP-2 MULTI-PURPOSE LITHIUM GREASE	14	oz	03/23/2015
0001360762		EP-2 MULTI-PURPOSE LITHIUM GREASE	14	oz	03/23/2015
0001360761		EP-2 MULTI-PURPOSE LITHIUM GREASE	14	oz	03/23/2015
0001360760		Expo White Board Cleaner	22	oz	03/23/2015
0001310677		ENGINE ENAMEL	12	oz	03/23/2015
0001310679		ENGINE ENAMEL	12	oz	03/23/2015
0001338557	1586-92-1	DIETHYLALUMINUM ETHOXIDE	100	gm	03/23/2015
0001310678		ENGINE ENAMEL	12	oz	03/23/2015
0001338616		FANTASTIKE ALL PURPOSE CLEANER	32	oz	03/23/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001338606		FANTASTIKE ALL PURPOSE CLEANER	32	oz	03/23/2015
0001338614		FANTASTIKE ALL PURPOSE CLEANER	32	oz	03/23/2015
0001338613		FANTASTIKE ALL PURPOSE CLEANER	32	oz	03/23/2015
0001338612		FANTASTIKE ALL PURPOSE CLEANER	32	oz	03/23/2015
0001338611		FANTASTIKE ALL PURPOSE CLEANER	32	oz	03/23/2015
0001338610		FANTASTIKE ALL PURPOSE CLEANER	32	oz	03/23/2015
0001338609		FANTASTIKE ALL PURPOSE CLEANER	32	oz	03/23/2015
0001338608		FANTASTIKE ALL PURPOSE CLEANER	32	oz	03/23/2015
0001338607		FANTASTIKE ALL PURPOSE CLEANER	32	oz	03/23/2015
0001338617		FANTASTIKE ALL PURPOSE CLEANER	32	oz	03/23/2015
0001330964		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/23/2015
0001330960		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/23/2015
0001330959		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/23/2015
0001330958		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/23/2015
0001330957		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/23/2015
0001330956		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/23/2015
0001330953		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/23/2015
0001330954		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/23/2015
0001330947		HENRY 351	4	gal	03/23/2015
0001330965		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/23/2015
0001360764		EP-2 MULTI-PURPOSE LITHIUM GREASE	14	oz	03/23/2015
0001330963		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/23/2015
0001330962		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/23/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001330961		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/23/2015
0001330952		HENRY 351	4	gal	03/23/2015
0001330951		HENRY 351	4	gal	03/23/2015
0001330950		HENRY 351	4	gal	03/23/2015
0001330949		HENRY 351	4	gal	03/23/2015
0001330955		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/23/2015
0001330939		HENRY 351	4	gal	03/23/2015
0001338556	26475-18-3	4,4'-Dimethyloctafluorobiphenyl	5	gm	03/23/2015
0001338558	Multil	Bismuth Sulfite Agar	500	gm	03/23/2015
0001338559	7697-37-2	NITRIC ACID, FUMING	1	l	03/23/2015
0001338560	12027-06-4	AMMONIUM IODIDE	100	gm	03/23/2015
0001338561	1317-36-8	LEAD(II) OXIDE	100	gm	03/23/2015
0001338562	7550-45-0	TITANIUM TETRACHLORIDE	50	ml	03/23/2015
0001338563		SCOTCHCAST ELECTRICAL RESIN	1	qt	03/23/2015
0001330971		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/23/2015
0001330938		HENRY 351	4	gal	03/23/2015
0001330948		HENRY 351	4	gal	03/23/2015
0001330940		HENRY 351	4	gal	03/23/2015
0001330941		HENRY 351	4	gal	03/23/2015
0001330942		HENRY 351	4	gal	03/23/2015
0001330943		HENRY 351	4	gal	03/23/2015
0001330944		HENRY 351	4	gal	03/23/2015
0001330945		HENRY 351	4	gal	03/23/2015
0001330946		HENRY 351	4	gal	03/23/2015
0001338555	67-63-0	2-PROPANOL	4	l	03/23/2015
0001338564		SCOTCHCAST ELECTRICAL RESIN	1	qt	03/23/2015
0001360775	6892-68-8	DTE MEDIUM HEAVY OIL	1	gal	03/23/2015
0001330982		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/23/2015
0001330983		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/23/2015
0001330984		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/23/2015
0001330985		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/23/2015
0001330986		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/23/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001330987		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/23/2015
0001330988		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/23/2015
0001330981		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/23/2015
0001330990		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/23/2015
0001360773	6892-68-8	DTE MEDIUM HEAVY OIL	1	gal	03/23/2015
0001360774	6892-68-8	DTE MEDIUM HEAVY OIL	1	gal	03/23/2015
0001061157		NICKEL ANTI-SEIZE LUBRICANT	8	oz	03/23/2015
0001360772	64742-65-0	PUMP OIL	1	qt	03/23/2015
0001360771	64742-65-0	PUMP OIL	1	qt	03/23/2015
0001330969		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/23/2015
0001360765	64742-65-0	PUMP OIL	1	qt	03/23/2015
0001330991		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/23/2015
0001330992		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/23/2015
0001330989		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/23/2015
0001330972		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/23/2015
0001330973		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/23/2015
0001330980		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/23/2015
0001061154		PIPE SEALANT	4	oz	03/23/2015
0001360776	6892-68-8	DTE MEDIUM HEAVY OIL	1	gal	03/23/2015
0001061158	64-17-5	ETHYL ALCOHOL-200 PROOF	8	oz	03/23/2015
0001330974		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/23/2015
0001360766	64742-65-0	PUMP OIL	1	qt	03/23/2015
0001330975		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/23/2015
0001330976		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/23/2015
0001330977		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/23/2015
0001330978		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/23/2015
0001330979		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	03/23/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001310682		SIKAFLEX	29	oz	03/24/2015
0001310681		SIKAFLEX	29	oz	03/24/2015
0001330993		ALEX PLUS	10.1	oz	03/24/2015
0001338567	584-13-4	4-AMINO-1,2,4-TRIAZOLE	100	gm	03/24/2015
0001338566		PF SOLVENT	1	gal	03/24/2015
0001338565		PF SOLVENT	1	gal	03/24/2015
0001338572	110-54-3	N-HEXANE	1	l	03/24/2015
0001338573	110-54-3	N-HEXANE	1	l	03/24/2015
0001330994		ALEX PLUS	10.1	oz	03/24/2015
0001338568		RUTHENIUM, STANDARD SOLUTION	100	ml	03/24/2015
0001338574	110-54-3	N-HEXANE	1	l	03/24/2015
0001338619	64-17-5	ETHYL ALCOHOL DENATURED	4	l	03/24/2015
0001338622	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	500	ml	03/24/2015
0001338639	111-76-2	2-BUTOXYETHANOL	5	ml	03/24/2015
0001338624	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	500	ml	03/24/2015
0001338633	75-09-2	DICHLOROMETHANE	4	l	03/24/2015
0001338625	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	500	ml	03/24/2015
0001338626	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	500	ml	03/24/2015
0001338627	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	500	ml	03/24/2015
0001338628	105-53-3	DIETHYL MALONATE	10	gm	03/24/2015
0001338629	1109-15-5	TRIS(PENTAFLUOROPHENYL)BORANE	1	gm	03/24/2015
0001338623	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	500	ml	03/24/2015
0001338570	584-08-7	POTASSIUM CARBONATE	2.5	kg	03/24/2015
0001338580		UNQUENCHED STANDARDS	7	ml	03/24/2015
0001338581	75-09-2	DICHLOROMETHANE	4	l	03/24/2015
0001338582	109-72-8	N-BUTYLLITHIUM 1.6M IN HEXANES	50	ul	03/24/2015
0001338579		ULTIMA GOLD	5	ml	03/24/2015
0001338578	7772-99-8	TIN(II) CHLORIDE	100	gm	03/24/2015
0001338583	109-72-8	N-BUTYLLITHIUM 1.6M IN HEXANES	50	ul	03/24/2015
0001338584	109-72-8	N-BUTYLLITHIUM 1.6M IN HEXANES	50	ul	03/24/2015
0001338585	109-72-8	N-BUTYLLITHIUM 1.6M IN HEXANES	50	ul	03/24/2015
0001338621	1310-73-2	SODIUM HYDROXIDE	500	gm	03/24/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001338620		CIDEHOL70	3.8 l		03/24/2015
0001338635	9002-84-0	POLYTETRAFLUOROETHYLENE	500	ml	03/24/2015
0001338630	1109-15-5	TRIS(PENTAFLUOROPHENYL)BORANE	1	gm	03/24/2015
0001338638	111-76-2	2-BUTOXYETHANOL	5	ml	03/24/2015
0001338575	109-72-8	N-BUTYLLITHIUM	100	ml	03/24/2015
0001338576		TRYPTIC SOY AGAR	500	gm	03/24/2015
0001330887	65997-15-1	PORTLAND CEMENT	90	lb	03/24/2015
0001330888	65997-15-1	PORTLAND CEMENT	90	lb	03/24/2015
0001330889	65997-15-1	PORTLAND CEMENT	90	lb	03/24/2015
0001338577	78560-45-9	TRIDECAFLUORO-1,1,2,2-TETRAHYDROOCTYL-TRICHLOROSILANE	10	gm	03/24/2015
0001338634	7440-31-5	TIN POWDER	100	gm	03/24/2015
0001338569		CHROMIUM (III) NITRATE HYDRATE	500	gm	03/24/2015
0001338636	1333-86-4	CARBON BLACK	25	gm	03/24/2015
0001338637	60-00-4	ETHYLENEDIAMINETETRAACETIC ACID	50	gm	03/24/2015
0001338571	110-54-3	N-HEXANE	1	l	03/24/2015
0001338632	86508-42-1	FC-77 FLUORINERT BRAND ELECTRONIC LIQUID	100	ml	03/24/2015
0001388640		SPOTCHECK PENETRANT SKL-SP	300	gm	03/24/2015
0001310685		SIKAFLEX	29	oz	03/24/2015
0001310684		SIKAFLEX	29	oz	03/24/2015
0001338618	64-17-5	ETHANOL	500	ml	03/24/2015
0001310683		SIKAFLEX	29	oz	03/24/2015
0001338631	338-84-1	PERFLUORO-COMPOUND FC-70	100	ml	03/24/2015
0001310688		SIKAFLEX	29	oz	03/24/2015
0001330995		100% SILICONE SEALANT	9.8	oz	03/24/2015
0001310686		SIKAFLEX	29	oz	03/24/2015
0001310687		SIKAFLEX	29	oz	03/24/2015
0001360863	7440-59-7	HELIUM, ULTRA HIGH PURITY	220	cf	03/25/2015
0001360858	7440-59-7	HELIUM, ULTRA HIGH PURITY	220	cf	03/25/2015
0001360859	7440-59-7	HELIUM, ULTRA HIGH PURITY	220	cf	03/25/2015
0001360860	7440-59-7	HELIUM, ULTRA HIGH PURITY	220	cf	03/25/2015
0001360857	7440-59-7	HELIUM, ULTRA HIGH PURITY	220	cf	03/25/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001360862	7440-59-7	HELIUM, ULTRA HIGH PURITY	220	cf	03/25/2015
0001360861	7440-59-7	HELIUM, ULTRA HIGH PURITY	220	cf	03/25/2015
0001360856	7440-59-7	HELIUM, ULTRA HIGH PURITY	220	cf	03/25/2015
0001360855	7440-59-7	HELIUM, ULTRA HIGH PURITY	220	cf	03/25/2015
0001360864	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/25/2015
0001360866	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/25/2015
0001360841	811-97-2	AIR	220	cf	03/25/2015
0001360914	7727-37-9	NITROGEN	220	cf	03/25/2015
0001360915	7727-37-9	NITROGEN	220	cf	03/25/2015
0001360916	7727-37-9	NITROGEN	220	cf	03/25/2015
0001360917		P-10	220	cf	03/25/2015
0001360918		P-10	220	cf	03/25/2015
0001360919		P-10	220	cf	03/25/2015
0001360865	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/25/2015
0001360833	811-97-2	AIR	220	cf	03/25/2015
0001360759		WD-40	16	oz	03/25/2015
0001360757		CHAIN LUBE	15	oz	03/25/2015
0001360756		CHAIN LUBE	15	oz	03/25/2015
0001360754		LOCTITE GENERAL ADHESIVE	10.1	oz	03/25/2015
0001360752		LOCTITE GENERAL ADHESIVE	10.1	oz	03/25/2015
0001360826	811-97-2	AIR	220	cf	03/25/2015
0001360827	811-97-2	AIR	220	cf	03/25/2015
0001360828	811-97-2	AIR	220	cf	03/25/2015
0001360829	811-97-2	AIR	220	cf	03/25/2015
0001360830	811-97-2	AIR	220	cf	03/25/2015
0001360843	811-97-2	AIR	220	cf	03/25/2015
0001360832	811-97-2	AIR	220	cf	03/25/2015
0001360844	811-97-2	AIR	220	cf	03/25/2015
0001360834	811-97-2	AIR	220	cf	03/25/2015
0001360835	811-97-2	AIR	220	cf	03/25/2015
0001360836	811-97-2	AIR	220	cf	03/25/2015
0001360837	811-97-2	AIR	220	cf	03/25/2015
0001360838	811-97-2	AIR	220	cf	03/25/2015
0001360839	811-97-2	AIR	220	cf	03/25/2015
0001360840	811-97-2	AIR	220	cf	03/25/2015
0001360741		LEAK DETECTOR	1	gal	03/25/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001360842	811-97-2	AIR	220	cf	03/25/2015
0001360913	7727-37-9	NITROGEN	220	cf	03/25/2015
0001360831	811-97-2	AIR	220	cf	03/25/2015
0001360938	74-98-6	PROPANE	11	gal	03/25/2015
0001360755		LOCTITE GENERAL ADHESIVE	10.1	oz	03/25/2015
0001360929		P-10	220	cf	03/25/2015
0001360930		P-10	220	cf	03/25/2015
0001360931		P-10	220	cf	03/25/2015
0001360932	74-98-6	PROPANE	11	gal	03/25/2015
0001360933	74-98-6	PROPANE	11	gal	03/25/2015
0001360934	74-98-6	PROPANE	11	gal	03/25/2015
0001360935	74-98-6	PROPANE	11	gal	03/25/2015
0001360739		LEAK DETECTOR	1	gal	03/25/2015
0001360937	74-98-6	PROPANE	11	gal	03/25/2015
0001360926		P-10	220	cf	03/25/2015
0001360854	7440-59-7	HELIUM, ULTRA HIGH PURITY	220	cf	03/25/2015
0001360853	7440-59-7	HELIUM, ULTRA HIGH PURITY	220	cf	03/25/2015
0001360852	7440-59-7	HELIUM, ULTRA HIGH PURITY	220	cf	03/25/2015
0001360851	7440-59-7	HELIUM, ULTRA HIGH PURITY	220	cf	03/25/2015
0001360850	7440-59-7	HELIUM, ULTRA HIGH PURITY	220	cf	03/25/2015
0001360849	811-97-2	AIR	220	cf	03/25/2015
0001360848	811-97-2	AIR	220	cf	03/25/2015
0001360847	811-97-2	AIR	220	cf	03/25/2015
0001360846	811-97-2	AIR	220	cf	03/25/2015
0001360936	74-98-6	PROPANE	11	gal	03/25/2015
0001360920		P-10	220	cf	03/25/2015
0001360778	Multi	Oil-Dri	5	lb	03/25/2015
0001360738		LEAK DETECTOR	1	gal	03/25/2015
0001360740		LEAK DETECTOR	1	gal	03/25/2015
0001360742		LEAK DETECTOR	1	gal	03/25/2015
0001360743		LOCTITE GENERAL ADHESIVE	10.1	oz	03/25/2015
0001360744		LOCTITE GENERAL ADHESIVE	10.1	oz	03/25/2015
0001360745		LOCTITE GENERAL ADHESIVE	10.1	oz	03/25/2015
0001360746		LOCTITE GENERAL ADHESIVE	10.1	oz	03/25/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001360747		LOCTITE GENERAL ADHESIVE	10.1	oz	03/25/2015
0001360928		P-10	220	cf	03/25/2015
0001360845	811-97-2	AIR	220	cf	03/25/2015
0001360927		P-10	220	cf	03/25/2015
0001360921		P-10	220	cf	03/25/2015
0001360922		P-10	220	cf	03/25/2015
0001360923		P-10	220	cf	03/25/2015
0001360749		LOCTITE GENERAL ADHESIVE	10.1	oz	03/25/2015
0001360750		LOCTITE GENERAL ADHESIVE	10.1	oz	03/25/2015
0001360751		LOCTITE GENERAL ADHESIVE	10.1	oz	03/25/2015
0001360924		P-10	220	cf	03/25/2015
0001360925		P-10	220	cf	03/25/2015
0001360777	Multi	Oil-Dri	5	lb	03/25/2015
0001360748		LOCTITE GENERAL ADHESIVE	10.1	oz	03/25/2015
0001360899	7440-59-7	HELIUM	220	cf	03/25/2015
0001360802	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	03/25/2015
0001360893	7440-59-7	HELIUM	220	cf	03/25/2015
0001360894	7440-59-7	HELIUM	220	cf	03/25/2015
0001360895	7440-59-7	HELIUM	220	cf	03/25/2015
0001360794	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	03/25/2015
0001360793	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	03/25/2015
0001360792	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	03/25/2015
0001360791	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	03/25/2015
0001360790	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	03/25/2015
0001360789	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	03/25/2015
0001360788	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	03/25/2015
0001360896	7440-59-7	HELIUM	220	cf	03/25/2015
0001360891	7440-59-7	HELIUM	220	cf	03/25/2015
0001360898	7440-59-7	HELIUM	220	cf	03/25/2015
0001360890	7440-59-7	HELIUM	220	cf	03/25/2015
0001360900	7440-59-7	HELIUM	220	cf	03/25/2015
0001360901	7440-59-7	HELIUM	220	cf	03/25/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001360902	7440-59-7	HELIUM	220	cf	03/25/2015
0001360903	7440-59-7	HELIUM	220	cf	03/25/2015
0001360811	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	03/25/2015
0001360810	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	03/25/2015
0001360809	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	03/25/2015
0001360808	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	03/25/2015
0001360807	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	03/25/2015
0001360806	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	03/25/2015
0001360805	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	03/25/2015
0001360804	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	03/25/2015
0001360795	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	03/25/2015
0001360897	7440-59-7	HELIUM	220	cf	03/25/2015
0001360882	7440-59-7	HELIUM	220	cf	03/25/2015
0001360796	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	03/25/2015
0001360797	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	03/25/2015
0001360798	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	03/25/2015
0001360799	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	03/25/2015
0001360876	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/25/2015
0001360877	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/25/2015
0001360878	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/25/2015
0001360879	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/25/2015
0001360880	7440-59-7	HELIUM	220	cf	03/25/2015
0001360821	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	03/25/2015
0001360820	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	03/25/2015
0001360819	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	03/25/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001360892	7440-59-7	HELIUM	220	cf	03/25/2015
0001360881	7440-59-7	HELIUM	220	cf	03/25/2015
0001360801	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	03/25/2015
0001360883	7440-59-7	HELIUM	220	cf	03/25/2015
0001360884	7440-59-7	HELIUM	220	cf	03/25/2015
0001360885	7440-59-7	HELIUM	220	cf	03/25/2015
0001360817	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	03/25/2015
0001360816	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	03/25/2015
0001360815	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	03/25/2015
0001360814	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	03/25/2015
0001360813	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	03/25/2015
0001360812	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	03/25/2015
0001360886	7440-59-7	HELIUM	220	cf	03/25/2015
0001360887	7440-59-7	HELIUM	220	cf	03/25/2015
0001360888	7440-59-7	HELIUM	220	cf	03/25/2015
0001360889	7440-59-7	HELIUM	220	cf	03/25/2015
0001360818	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	03/25/2015
0001360783	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	03/25/2015
0001360753		LOCTITE GENERAL ADHESIVE	10.1	oz	03/25/2015
0001360825	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	03/25/2015
0001360871	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/25/2015
0001360870	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/25/2015
0001360869	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/25/2015
0001360868	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/25/2015
0001360784	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	03/25/2015
0001360803	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	03/25/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001360873	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/25/2015
0001360782	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	03/25/2015
0001360781	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	03/25/2015
0001360780	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	03/25/2015
0001360779	1318-00-9	VERMICULITE, UNEXPANDED	18	lb	03/25/2015
0001360822	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	03/25/2015
0001360823	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	03/25/2015
0001360824	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	03/25/2015
0001360867	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/25/2015
0001360800	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	03/25/2015
0001360906	7440-59-7	HELIUM	220	cf	03/25/2015
0001360907	7440-59-7	HELIUM	220	cf	03/25/2015
0001328388		VITA-D-CHLOR	5	gal	03/25/2015
0001328389		VITA-D-CHLOR	5	gal	03/25/2015
0001331720	142-82-5	HEPTANE	1	qt	03/25/2015
0001360912	7727-37-9	NITROGEN	220	cf	03/25/2015
0001360872	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/25/2015
0001360905	7440-59-7	HELIUM	220	cf	03/25/2015
0001360874	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/25/2015
0001360911	7727-37-9	NITROGEN	220	cf	03/25/2015
0001360910	7727-37-9	NITROGEN	220	cf	03/25/2015
0001360787	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	03/25/2015
0001360786	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	03/25/2015
0001360785	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	03/25/2015
0001360909	7440-59-7	HELIUM	220	cf	03/25/2015
0001360908	7440-59-7	HELIUM	220	cf	03/25/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001360875	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	03/25/2015
0001360904	7440-59-7	HELIUM	220	cf	03/25/2015
0001291789		rust-oleum stops rust gloss protective enamel	12	oz	03/27/2015
0001291788		rust-oleum stops rust gloss protective enamel	12	oz	03/27/2015
0001291790		rust-oleum stops rust gloss protective enamel	12	oz	03/27/2015
0001291787		rust-oleum stops rust gloss protective enamel	12	oz	03/27/2015
0001291776		RUST-OLEUM FEDERAL SAFETY RED	12	oz	03/27/2015
0001291767		rust-oleum stops rust gloss protective enamel	12	oz	03/27/2015
0001291768		rust-oleum stops rust gloss protective enamel	12	oz	03/27/2015
0001291769		rust-oleum stops rust gloss protective enamel	12	oz	03/27/2015
0001291770		rust-oleum stops rust gloss protective enamel	12	oz	03/27/2015
0001291771		rust-oleum stops rust gloss protective enamel	12	oz	03/27/2015
0001291772		rust-oleum stops rust gloss protective enamel	12	oz	03/27/2015
0001291773		RUST-OLEUM FEDERAL SAFETY RED	12	oz	03/27/2015
0001291786		rust-oleum stops rust gloss protective enamel	12	oz	03/27/2015
0001291775		RUST-OLEUM FEDERAL SAFETY RED	12	oz	03/27/2015
0001291785		rust-oleum stops rust gloss protective enamel	12	oz	03/27/2015
0001291777		RUST-OLEUM FEDERAL SAFETY RED	12	oz	03/27/2015
0001291778		RUST-OLEUM FEDERAL SAFETY RED	12	oz	03/27/2015
0001291779		rust-oleum stops rust gloss protective enamel	12	oz	03/27/2015
0001291781		rust-oleum stops rust gloss protective enamel	12	oz	03/27/2015
0001291783		rust-oleum stops rust gloss protective enamel	12	oz	03/27/2015
0001291784		rust-oleum stops rust gloss protective enamel	12	oz	03/27/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001291780		rust-oleum stops rust gloss protective enamel	12	oz	03/27/2015
0001291774		RUST-OLEUM FEDERAL SAFETY RED	12	oz	03/27/2015
0001291782		rust-oleum stops rust gloss protective enamel	12	oz	03/27/2015
0001338664	407-25-0	TRIFLUOROACETIC ANHYDRIDE	100	gm	03/30/2015
0001291809		DO IT BEST PRIMER 770736 GRAY PRIMER	3.78	gal	03/30/2015
0001331024		33 GLAZING	32	oz	03/30/2015
0001338669	37626-13-4	POLY[4,5-DIFLUORO-2,2-BIS(TRIFLUOROMETHYL)-1,3-DIOXOLE-CO-TETRAFLUOROETHYLENE]	1	gm	03/30/2015
0001338668	407-25-0	TRIFLUOROACETIC ANHYDRIDE	100	gm	03/30/2015
0001338667	407-25-0	TRIFLUOROACETIC ANHYDRIDE	100	gm	03/30/2015
0001338666	407-25-0	TRIFLUOROACETIC ANHYDRIDE	100	gm	03/30/2015
0001331009		SODA ASH	50	lb	03/30/2015
0001338643	69227-93-6	n-DODECYL-β-D-MALTOPYRANOSIDE	25	gm	03/30/2015
0001291813		DO IT BEST PRIMER 770736 GRAY PRIMER	3.78	gal	03/30/2015
0001338670	64-19-7	ACETIC ACID	2.5	l	03/30/2015
0001338663	407-25-0	TRIFLUOROACETIC ANHYDRIDE	100	gm	03/30/2015
0001338662	Multi	Titanium diisopropoxide bis(acetylacetonate)	500	ml	03/30/2015
0001338661	67-64-1	ACETONE	4	l	03/30/2015
0001338660	67-64-1	ACETONE	4	l	03/30/2015
0001338665	407-25-0	TRIFLUOROACETIC ANHYDRIDE	100	gm	03/30/2015
0001331001		SODA ASH	50	lb	03/30/2015
0001331008		SODA ASH	50	lb	03/30/2015
0001331007		SODA ASH	50	lb	03/30/2015
0001331006		SODA ASH	50	lb	03/30/2015
0001331005		SODA ASH	50	lb	03/30/2015
0001331004		SODA ASH	50	lb	03/30/2015
0001291811		DO IT BEST PRIMER 770736 GRAY PRIMER	3.78	gal	03/30/2015
0001331002		SODA ASH	50	lb	03/30/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001291812		DO IT BEST PRIMER 770736 GRAY PRIMER	3.78	gal	03/30/2015
0001331000		SODA ASH	50	lb	03/30/2015
0001291817		DO IT BEST PRIMER 770736 GRAY PRIMER	3.78	gal	03/30/2015
0001291816		DO IT BEST PRIMER 770736 GRAY PRIMER	3.78	gal	03/30/2015
0001291815		DO IT BEST PRIMER 770736 GRAY PRIMER	3.78	gal	03/30/2015
0001291814		DO IT BEST PRIMER 770736 GRAY PRIMER	3.78	gal	03/30/2015
0001291807		VALSPAR PAINT	3.78	gal	03/30/2015
0001331003		SODA ASH	50	lb	03/30/2015
0001338641	110-80-5	2-ETHOXYETHANOL	0.5	ml	03/30/2015
0001330997		SODA ASH	50	lb	03/30/2015
0001338647	75-09-2	DICHLOROMETHANE	4	l	03/30/2015
0001338646	75-09-2	DICHLOROMETHANE	4	l	03/30/2015
0001291791		VALSPAR PAINT	3.78	l	03/30/2015
0001338645	87871-87-2	Lithium-aluminum alloy	25	gm	03/30/2015
0001338649	75-09-2	DICHLOROMETHANE	4	l	03/30/2015
0001338642	110-80-5	2-ETHOXYETHANOL	0.5	ml	03/30/2015
0001338654	110-54-3	HEXANE	4	l	03/30/2015
0001331023		ARDEX FEATHER FINISH	10	lb	03/30/2015
0001331039		GATOR-AID ALLIGATING MASTIC ASPHALT PATCH	5	gal	03/30/2015
0001331040		GATOR-AID ALLIGATING MASTIC ASPHALT PATCH	5	gal	03/30/2015
0001331041		GATOR-AID ALLIGATING MASTIC ASPHALT PATCH	5	gal	03/30/2015
0001331042		GATOR-AID ALLIGATING MASTIC ASPHALT PATCH	5	gal	03/30/2015
0001330996		SODA ASH	50	lb	03/30/2015
0001338644	87871-87-2	Lithium-aluminum alloy	25	gm	03/30/2015
0001291793		VALSPAR PAINT	3.78	l	03/30/2015
0001291810		DO IT BEST PRIMER 770736 GRAY PRIMER	3.78	gal	03/30/2015
0001291808		VALSPAR PAINT	3.78	gal	03/30/2015
0001330998		SODA ASH	50	lb	03/30/2015
0001330999		SODA ASH	50	lb	03/30/2015
0001291796		VALSPAR PAINT	3.78	l	03/30/2015
0001338648	75-09-2	DICHLOROMETHANE	4	l	03/30/2015
0001291794		VALSPAR PAINT	3.78	l	03/30/2015
0001291806		VALSPAR PAINT	3.78	gal	03/30/2015
0001291792		VALSPAR PAINT	3.78	l	03/30/2015
0001338659	67-64-1	ACETONE	4	l	03/30/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001338658	67-64-1	ACETONE	4 l		03/30/2015
0001338657	110-54-3	HEXANE	4 l		03/30/2015
0001338656	110-54-3	HEXANE	4 l		03/30/2015
0001338655	110-54-3	HEXANE	4 l		03/30/2015
0001291795		VALSPAR PAINT	3.78 l		03/30/2015
0001291824		Liquid Nails	10 oz		03/30/2015
0001331049	65997-15-1	PORTLAND CEMENT	90 lb		03/30/2015
0001338586		ULTRA GRADE 19 OIL	1 l		03/30/2015
0001338587		ULTRA GRADE 19 OIL	1 l		03/30/2015
0001338650	67-63-0	ISOPROPYL ALCOHOL	1 gal		03/30/2015
0001338651	67-63-0	ISOPROPYL ALCOHOL	1 gal		03/30/2015
0001338652	67-63-0	ISOPROPYL ALCOHOL	1 gal		03/30/2015
0001338653	67-63-0	ISOPROPYL ALCOHOL	1 gal		03/30/2015
0001338592	71550-12-4	POLY(ALLYLAMINE HYDROCHLORIDE), AVG MN 50,000-65,000	5 gm		03/30/2015
0001338590	40244-90-4	CHLORODIISOPROPYLPHOSPHINE	50 ml		03/30/2015
0001338589	7560-83-0	N,N-Dicyclohexylmethylamine	250 gm		03/30/2015
0001291827		Liquid Nails	10 oz		03/30/2015
0001331048	65997-15-1	PORTLAND CEMENT	90 lb		03/30/2015
0001291825		Liquid Nails	10 oz		03/30/2015
0001291802		VALSPAR PAINT	3.78 gal		03/30/2015
0001291823		Liquid Nails	10 oz		03/30/2015
0001291822		Liquid Nails	10 oz		03/30/2015
0001291821		Liquid Nails	10 oz		03/30/2015
0001291820		Liquid Nails	10 oz		03/30/2015
0001291819		Liquid Nails	10 oz		03/30/2015
0001291818		Liquid Nails	10 oz		03/30/2015
0001338588		ULTRA GRADE 19 OIL	1 l		03/30/2015
0001291801		VALSPAR PAINT	3.78 gal		03/30/2015
0001331010		SODA ASH	50 lb		03/30/2015
0001291803		VALSPAR PAINT	3.78 gal		03/30/2015
0001291805		VALSPAR PAINT	3.78 gal		03/30/2015
0001291826		Liquid Nails	10 oz		03/30/2015
0001331018		SODA ASH	50 lb		03/30/2015
0001291804		VALSPAR PAINT	3.78 gal		03/30/2015
0001331022		SODA ASH	50 lb		03/30/2015
0001331011		SODA ASH	50 lb		03/30/2015
0001331012		SODA ASH	50 lb		03/30/2015
0001331013		SODA ASH	50 lb		03/30/2015
0001331014		SODA ASH	50 lb		03/30/2015
0001331015		SODA ASH	50 lb		03/30/2015
0001331017		SODA ASH	50 lb		03/30/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001331019		SODA ASH	50	lb	03/30/2015
0001331020		SODA ASH	50	lb	03/30/2015
0001331021		SODA ASH	50	lb	03/30/2015
0001331016		SODA ASH	50	lb	03/30/2015
0001291799		VALSPAR PAINT	3.78	l	03/30/2015
0001291800		VALSPAR PAINT	3.78	l	03/30/2015
0001291797		VALSPAR PAINT	3.78	l	03/30/2015
0001291798		VALSPAR PAINT	3.78	l	03/30/2015
0001338859		PTFE RELEASE AGENT DRY LU	14	oz	03/31/2015
0001338715	7646-79-9	COBALT (II) CHLORIDE	5	lb	03/31/2015
0001338716	7646-79-9	COBALT (II) CHLORIDE	5	lb	03/31/2015
0001331031		ES COMPLEAT OAT ETHYLENE GLYCOL	1	gal	03/31/2015
0001331030		ES COMPLEAT OAT ETHYLENE GLYCOL	1	gal	03/31/2015
0001338717	67-64-1	ACETONE	4	l	03/31/2015
0001331029		ES COMPLEAT OAT ETHYLENE GLYCOL	1	gal	03/31/2015
0001338718	67-64-1	ACETONE	4	l	03/31/2015
0001338719	67-64-1	ACETONE	4	l	03/31/2015
0001338856		PTFE RELEASE AGENT DRY LU	14	oz	03/31/2015
0001338858		PTFE RELEASE AGENT DRY LU	14	oz	03/31/2015
0001338679	10340-91-7	BENZYL ISOCYANIDE	1	gm	03/31/2015
0001338860		PTFE RELEASE AGENT DRY LU	14	oz	03/31/2015
0001338861		PTFE RELEASE AGENT DRY LU	14	oz	03/31/2015
0001338862		PTFE RELEASE AGENT DRY LU	14	oz	03/31/2015
0001331028		ES COMPLEAT OAT ETHYLENE GLYCOL	1	gal	03/31/2015
0001338863		PTFE RELEASE AGENT DRY LU	14	oz	03/31/2015
0001338864		PTFE RELEASE AGENT DRY LU	14	oz	03/31/2015
0001338865		PTFE RELEASE AGENT DRY LU	14	oz	03/31/2015
0001338720	67-64-1	ACETONE	4	l	03/31/2015
0001338721	67-64-1	ACETONE	4	l	03/31/2015
0001338857		PTFE RELEASE AGENT DRY LU	14	oz	03/31/2015
0001338707	67-64-1	ACETONE	4	l	03/31/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001338696	67-64-1	ACETONE	4 l		03/31/2015
0001338697	67-64-1	ACETONE	4 l		03/31/2015
0001338698	67-64-1	ACETONE	4 l		03/31/2015
0001338699	67-64-1	ACETONE	4 l		03/31/2015
0001338700	67-64-1	ACETONE	4 l		03/31/2015
0001338701	67-64-1	ACETONE	4 l		03/31/2015
0001338702	67-64-1	ACETONE	4 l		03/31/2015
0001338703	67-64-1	ACETONE	4 l		03/31/2015
0001338704	67-64-1	ACETONE	4 l		03/31/2015
0001338705	67-64-1	ACETONE	4 l		03/31/2015
0001338714	7646-79-9	COBALT (II) CHLORIDE	5 lb		03/31/2015
0001338855		PTFE RELEASE AGENT DRY LU	14 oz		03/31/2015
0001338713	7646-79-9	COBALT (II) CHLORIDE	5 lb		03/31/2015
0001338708	67-64-1	ACETONE	4 l		03/31/2015
0001338709	67-64-1	ACETONE	4 l		03/31/2015
0001338737	553-26-4	4,4-DIPYRIDYL	25 gm		03/31/2015
0001338736	120-12-7	ANTHRACENE	25 gm		03/31/2015
0001338868		PTFE RELEASE AGENT DRY LU	14 oz		03/31/2015
0001338733	931-53-3	CYCLOHEXYLISOCYANIDE	1 gm		03/31/2015
0001338722	67-64-1	ACETONE	4 l		03/31/2015
0001338688	7188-38-7	tert-Butyl isocyanide	1 gm		03/31/2015
0001338710	67-64-1	ACETONE	4 l		03/31/2015
0001338695	67-64-1	ACETONE	4 l		03/31/2015
0001338706	67-64-1	ACETONE	4 l		03/31/2015
0001338901	1310-73-2	SODIUM HYDROXIDE PELLETS	50 lb		03/31/2015
0001338767	7732-18-5	WATER	100 ml		03/31/2015
0001338768	7732-18-5	WATER	100 ml		03/31/2015
0001338769	7732-18-5	WATER	100 ml		03/31/2015
0001338815	51364-51-3	TRIS(DIBENZYLIDENEACETONE)DIPALLADIUM(0)	5 gm		03/31/2015
0001338689	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500 ml		03/31/2015
0001338816	51364-51-3	TRIS(DIBENZYLIDENEACETONE)DIPALLADIUM(0)	5 gm		03/31/2015
0001338817	51364-51-3	TRIS(DIBENZYLIDENEACETONE)DIPALLADIUM(0)	5 gm		03/31/2015
0001338905	1310-73-2	SODIUM HYDROXIDE PELLETS	50 lb		03/31/2015
0001338904	1310-73-2	SODIUM HYDROXIDE PELLETS	50 lb		03/31/2015
0001338866		PTFE RELEASE AGENT DRY LU	14 oz		03/31/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001338902	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338851		PTFE RELEASE AGENT DRY LU	14	oz	03/31/2015
0001338900	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338899	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338789	7647-01-0	HYDROCHLORIC ACID, 37.5%	4	l	03/31/2015
0001338895	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338845		PTFE RELEASE AGENT DRY LU	14	oz	03/31/2015
0001338896	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338897	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338898	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338726	67-64-1	ACETONE	4	l	03/31/2015
0001338903	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338693	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	ml	03/31/2015
0001338724	67-64-1	ACETONE	4	l	03/31/2015
0001338687	1310-73-2	SODIUM HYDROXIDE .1N	1	l	03/31/2015
0001338686	1310-73-2	SODIUM HYDROXIDE .1N	1	l	03/31/2015
0001338678	1310-73-2	SODIUM HYDROXIDE .1N	1	l	03/31/2015
0001338867		PTFE RELEASE AGENT DRY LU	14	oz	03/31/2015
0001338869	68410-23-1	VERSAMID 140 POLYAMIDE RESIN	1	qt	03/31/2015
0001338735	108-88-3	TOLUENE, SEALED BACKGROUND STANDARD	20	ml	03/31/2015
0001338734	108-88-3	TOLUENE, SEALED BACKGROUND STANDARD	20	ml	03/31/2015
0001338712	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	1	l	03/31/2015
0001338766	7732-18-5	WATER	100	ml	03/31/2015
0001338694	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	ml	03/31/2015
0001338850		PTFE RELEASE AGENT DRY LU	14	oz	03/31/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001338692	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	ml	03/31/2015
0001338691	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	ml	03/31/2015
0001338725	67-64-1	ACETONE	4	l	03/31/2015
0001338849		PTFE RELEASE AGENT DRY LU	14	oz	03/31/2015
0001338823		CONFORMAL COATING	3.6	kg	03/31/2015
0001331027		LACQUER THINNER	1	gal	03/31/2015
0001331026		COTE ALL MULTI-PURPOSE ENAMEL	1	gal	03/31/2015
0001338690	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	ml	03/31/2015
0001338852		PTFE RELEASE AGENT DRY LU	14	oz	03/31/2015
0001338723	67-64-1	ACETONE	4	l	03/31/2015
0001338711	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	1	l	03/31/2015
0001338942	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338596	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	1	l	03/31/2015
0001338677	1310-73-2	SODIUM HYDROXIDE .1N	1	l	03/31/2015
0001338743	64-17-5	ETHANOL	4	l	03/31/2015
0001338742	6046-93-1	CUPRIC ACETATE MONOHYDRATE	100	gm	03/31/2015
0001338741	9007-31-2	CLUPEINE	1	gm	03/31/2015
0001338939	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338847		PTFE RELEASE AGENT DRY LU	14	oz	03/31/2015
0001338941	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338593	829-85-6	DIPHENYLPHOSPHINE	10	gm	03/31/2015
0001338943	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338944	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338945	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338946	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338947	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001338948	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338949	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338940	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001331935	1310-73-2	Sodium Hydroxide 25%	3400	lb	03/31/2015
0001338880	100-42-5	STYRENE	100	ml	03/31/2015
0001338879	7440-47-3	CHROMIUM POWDER	500	gm	03/31/2015
0001338878	7664-93-9	SULFURIC ACID	465	lb	03/31/2015
0001338877	7664-93-9	SULFURIC ACID	465	lb	03/31/2015
0001338876	7664-93-9	SULFURIC ACID	465	lb	03/31/2015
0001338875	7664-93-9	SULFURIC ACID	465	lb	03/31/2015
0001338673		Intellipack SmartFoam A	55	gal	03/31/2015
0001338595	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	1	l	03/31/2015
0001338675	64-17-5	ETHYL ALCOHOL	4	l	03/31/2015
0001338594	7632-00-0	SODIUM NITRITE	5000	gm	03/31/2015
0001331936	1310-73-2	Sodium Hydroxide 25%	3400	lb	03/31/2015
0001331937	1310-73-2	Sodium Hydroxide 25%	3400	lb	03/31/2015
0001331938	1310-73-2	Sodium Hydroxide 25%	3400	lb	03/31/2015
0001331939	1310-73-2	Sodium Hydroxide 25%	3400	lb	03/31/2015
0001331800		ALUMINA, DRY POWDER	5	lb	03/31/2015
0001338591		Glucose Assay Reagent	50	ml	03/31/2015
0001338842		ULTRA GRADE 19 OIL	1	l	03/31/2015
0001338674		Intellipack SmartFoam B	55	gal	03/31/2015
0001338738	14762-74-4	CARBON-13,99%	1	gm	03/31/2015
0001338950	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338763	7732-18-5	WATER	100	ml	03/31/2015
0001338762	7732-18-5	WATER	100	ml	03/31/2015
0001338761	7732-18-5	WATER	100	ml	03/31/2015
0001338760	7732-18-5	WATER	100	ml	03/31/2015
0001331025		rust reformer	1	gal	03/31/2015
0001338759		EPOXY	350	gm	03/31/2015
0001338765	7732-18-5	WATER	100	ml	03/31/2015
0001338740	161265-03-8	4,5-Bis(diphenylphosphino)-9,9-dimethylxanthene	1	gm	03/31/2015
0001338731	67-64-1	ACETONE	4	l	03/31/2015
0001338732	67-64-1	ACETONE	4	l	03/31/2015
0001338937	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338936	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001338935	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338934	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338933	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338932	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338758		EPOXY	350	gm	03/31/2015
0001338807		NITROGEN AMMONIA STANDARD SOLUTION 100mg/L	500	ml	03/31/2015
0001338961		FANTASTIKE ALL PURPOSE CLEANER	32	oz	03/31/2015
0001338841		ULTRA GRADE 19 OIL	1	l	03/31/2015
0001338938	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338840		ULTRA GRADE 19 OIL	1	l	03/31/2015
0001338839		ULTRA GRADE 19 OIL	1	l	03/31/2015
0001338822		1X Tris EDTA Solution	100	ml	03/31/2015
0001338821	10034-85-2	HYDRIODIC ACID	250	ml	03/31/2015
0001338764	7732-18-5	WATER	100	ml	03/31/2015
0001338808		NITROGEN AMMONIA STANDARD SOLUTION 100mg/L	500	ml	03/31/2015
0001338843		ULTRA GRADE 19 OIL	1	l	03/31/2015
0001338806		NITROGEN AMMONIA STANDARD SOLUTION 100mg/L	500	ml	03/31/2015
0001338805		NITROGEN AMMONIA STANDARD SOLUTION 100mg/L	500	ml	03/31/2015
0001338804		NITROGEN AMMONIA STANDARD SOLUTION 100mg/L	500	ml	03/31/2015
0001338727	67-64-1	ACETONE	4	l	03/31/2015
0001338728	67-64-1	ACETONE	4	l	03/31/2015
0001338729	67-64-1	ACETONE	4	l	03/31/2015
0001338730	67-64-1	ACETONE	4	l	03/31/2015
0001338809	7803-49-8	HYDROXYLAMINE	100	ml	03/31/2015
0001338794		SCOTCHCAST ELECTRICAL RESIN	1	qt	03/31/2015
0001338955	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001338848		PTFE RELEASE AGENT DRY LU	14	oz	03/31/2015
0001338846		PTFE RELEASE AGENT DRY LU	14	oz	03/31/2015
0001338931	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338844		ULTRA GRADE 19 OIL	1	l	03/31/2015
0001331943	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	03/31/2015
0001331941	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	03/31/2015
0001338598	75-09-2	DICHLOROMETHANE	1	l	03/31/2015
0001338795		SCOTCHCAST ELECTRICAL RESIN	1	qt	03/31/2015
0001338676	67-64-1	ACETONE	4	l	03/31/2015
0001338793		SCOTCHCAST ELECTRICAL RESIN	1	qt	03/31/2015
0001338792		SCOTCHCAST ELECTRICAL RESIN	1	qt	03/31/2015
0001338791	5343-92-0	1,2-Pentanediol	500	ml	03/31/2015
0001331940	7705-08-0	FERRIC CHLORIDE	3400	lb	03/31/2015
0001338958	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338957	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338959		FANTASTIKE ALL PURPOSE CLEANER	32	oz	03/31/2015
0001338796	64-17-5	ETHYL ALCOHOL, 95%	4	l	03/31/2015
0001331946	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	03/31/2015
0001338787		NITRIC ACID 0.1N SOLUTION	1	l	03/31/2015
0001338786		NITRIC ACID 0.1N SOLUTION	1	l	03/31/2015
0001338785	60-29-7	ETHER (DIETHYL ETHER, ETHYL ETHER)	1	l	03/31/2015
0001338784	60-29-7	ETHER (DIETHYL ETHER, ETHYL ETHER)	1	l	03/31/2015
0001338783	1314-37-0	YTTERBIUM OXIDE 99.9%	1	kg	03/31/2015
0001338782	12061-16-4	ERBIUM OXIDE	1	kg	03/31/2015
0001338781	1295-35-8	BIS(1,5-CYCLOOCTADIENE)NICKEL(0)	10	gm	03/31/2015
0001338597	9048-46-8	BOVINE ALBUMIN-HP, FRACTION V	100	gm	03/31/2015
0001331942	7732-18-5	Hydrochloric Acid 30-31%	3000	lb	03/31/2015
0001338954	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001331945	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	03/31/2015
0001331944	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	03/31/2015
0001338906	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338907	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338908	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338909	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338910	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001148943	7778-18-9	DRIERITE, 8 MESH	2	kg	03/31/2015
0001338968		FANTASTIKE ALL PURPOSE CLEANER	32	oz	03/31/2015
0001338956	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338924	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338925	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338926	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338928	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338672		PERMATREAT	55	gal	03/31/2015
0001338930	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338922	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338969		FANTASTIKE ALL PURPOSE CLEANER	32	oz	03/31/2015
0001338921	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338967		FANTASTIKE ALL PURPOSE CLEANER	32	oz	03/31/2015
0001338966		FANTASTIKE ALL PURPOSE CLEANER	32	oz	03/31/2015
0001338965		FANTASTIKE ALL PURPOSE CLEANER	32	oz	03/31/2015
0001338964		FANTASTIKE ALL PURPOSE CLEANER	32	oz	03/31/2015
0001338963		FANTASTIKE ALL PURPOSE CLEANER	32	oz	03/31/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001338962		FANTASTIKE ALL PURPOSE CLEANER	32	oz	03/31/2015
0001338788	7647-01-0	HYDROCHLORIC ACID, 37.5%	4	l	03/31/2015
0001338970		FANTASTIKE ALL PURPOSE CLEANER	32	oz	03/31/2015
0001338917	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338953	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338952	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338951	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338911	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338912	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338913	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338914	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338923	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338916	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338960		FANTASTIKE ALL PURPOSE CLEANER	32	oz	03/31/2015
0001338918	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338919	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338920	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338790	5343-92-0	1,2-Pentanediol	500	ml	03/31/2015
0001338739	32005-36-0	BIS(DIBENZYLIDENE ACETONE) PALLADIUM (0)	500	mg	03/31/2015
0001338854		PTFE RELEASE AGENT DRY LU	14	oz	03/31/2015
0001338927	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338915	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338802	67-63-0	ISOPROPYL ALCOHOL	1	l	03/31/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001338853		PTFE RELEASE AGENT DRY LU	14	oz	03/31/2015
0001338801	67-63-0	ISOPROPYL ALCOHOL	1	l	03/31/2015
0001338803		NITROGEN AMMONIA STANDARD SOLUTION 100mg/L	500	ml	03/31/2015
0001331032		ES COMPLEAT OAT ETHYLENE GLYCOL	1	gal	03/31/2015
0001331033		ES COMPLEAT OAT ETHYLENE GLYCOL	1	gal	03/31/2015
0001331034		ES COMPLEAT OAT ETHYLENE GLYCOL	55	gal	03/31/2015
0001331035		ES COMPLEAT OAT ETHYLENE GLYCOL	55	gal	03/31/2015
0001338797	67-63-0	ISOPROPYL ALCOHOL	1	l	03/31/2015
0001338798	67-63-0	ISOPROPYL ALCOHOL	1	l	03/31/2015
0001338799	67-63-0	ISOPROPYL ALCOHOL	1	l	03/31/2015
0001338929	1310-73-2	SODIUM HYDROXIDE PELLETS	50	lb	03/31/2015
0001338800	67-63-0	ISOPROPYL ALCOHOL	1	l	03/31/2015
0001338753	107-46-0	HEXAMETHYLDISILOXANE	500	ml	03/31/2015
0001338745	64-17-5	ETHANOL	4	l	03/31/2015
0001338746	64-17-5	ETHANOL	4	l	03/31/2015
0001338747	67-63-0	2-PROPANOL	4	l	03/31/2015
0001338874	8017-16-1	POLYPHOSPHORIC ACID	1	kg	03/31/2015
0001338873	7732-18-5	WATER HPLC GRADE	4	l	03/31/2015
0001338872	7732-18-5	WATER HPLC GRADE	4	l	03/31/2015
0001338870	105-05-5	1,4-DIETHYLBENZENE	25	ml	03/31/2015
0001338752	107-46-0	HEXAMETHYLDISILOXANE	500	ml	03/31/2015
0001338755		Neolube 1	8	oz	03/31/2015
0001338744	64-17-5	ETHANOL	4	l	03/31/2015
0001338750	107-46-0	HEXAMETHYLDISILOXANE	500	ml	03/31/2015
0001338749	107-46-0	HEXAMETHYLDISILOXANE	500	ml	03/31/2015
0001338757		NEOLUBE NO. 2 DRY FILM LUBRICANT	1	pt	03/31/2015
0001338756		NEOLUBE NO. 2 DRY FILM LUBRICANT	1	pt	03/31/2015
0001338751	107-46-0	HEXAMETHYLDISILOXANE	500	ml	03/31/2015
0001338748	107-46-0	HEXAMETHYLDISILOXANE	500	ml	03/31/2015
0001338871	1832-54-8	Isopropyl methylphosphonate	500	gm	03/31/2015
0001338754		Neolube 1	8	oz	03/31/2015
0001360973		ARGON/METHANE	220	cf	04/01/2015
0001339124	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001339125	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339126	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001360969		ARGON/METHANE	220	cf	04/01/2015
0001360970		ARGON/METHANE	220	cf	04/01/2015
0001361070	7727-37-9	NITROGEN	220	cf	04/01/2015
0001360972		ARGON/METHANE	220	cf	04/01/2015
0001339121	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001331687	9002-18-0	AGAR POWDER	1000	ml	04/01/2015
0001339008	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339009	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339010	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339199	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001360971		ARGON/METHANE	220	cf	04/01/2015
0001339122	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001361069	7727-37-9	NITROGEN	220	cf	04/01/2015
0001339120	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339119	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339118	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339057	109-99-9	TETRAHYDROFURAN	1	l	04/01/2015
0001339056	109-99-9	TETRAHYDROFURAN	1	l	04/01/2015
0001339055	109-99-9	TETRAHYDROFURAN	1	l	04/01/2015
0001339054	109-99-9	TETRAHYDROFURAN	1	l	04/01/2015
0001339053	109-99-9	TETRAHYDROFURAN	1	l	04/01/2015
0001339052	109-99-9	TETRAHYDROFURAN	1	l	04/01/2015
0001339203	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339202	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339201	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339123	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339223	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001339229	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339186	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339187	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339111	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339228	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339227	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339226	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001338882	1792-81-0	CIS-1,2-CYCLOHEXANEDIOL	1	gm	04/01/2015
0001338881	7705-08-0	IRON(III) CHLORIDE	5	gm	04/01/2015
0001338828		HCL Custom Standard	2.5	l	04/01/2015
0001339058	64-17-5	ETHANOL, ANHYDROUS	1	gal	04/01/2015
0001339062	6156-78-1	MANGANESE PLASMA STANDARD	50	ml	04/01/2015
0001339063	108-88-3	TOLUENE ANHYDROUS	1	l	04/01/2015
0001361071	7727-37-9	NITROGEN	220	cf	04/01/2015
0001361061	7727-37-9	NITROGEN	220	cf	04/01/2015
0001361068	7727-37-9	NITROGEN	220	cf	04/01/2015
0001361067	7727-37-9	NITROGEN	220	cf	04/01/2015
0001361066	7727-37-9	NITROGEN	220	cf	04/01/2015
0001361065	7727-37-9	NITROGEN	220	cf	04/01/2015
0001361064	7727-37-9	NITROGEN	220	cf	04/01/2015
0001339225	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001361062	7727-37-9	NITROGEN	220	cf	04/01/2015
0001339224	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001361060	7727-37-9	NITROGEN	220	cf	04/01/2015
0001339219	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339220	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339221	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339222	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001361059	7727-37-9	NITROGEN	220	cf	04/01/2015
0001361063	7727-37-9	NITROGEN	220	cf	04/01/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001339116	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339200	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339218	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339217	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001361074	7727-37-9	NITROGEN	220	cf	04/01/2015
0001339194	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339195	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339196	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339197	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001361130		2.5% METHANE/BAL. AIR	100	l	04/01/2015
0001360960		ARGON/METHANE	220	cf	04/01/2015
0001360961		ARGON/METHANE	220	cf	04/01/2015
0001360962		ARGON/METHANE	220	cf	04/01/2015
0001360963		ARGON/METHANE	220	cf	04/01/2015
0001361076	7727-37-9	NITROGEN	220	cf	04/01/2015
0001302917		PLATINUM CHLORIDE SOLUTION, 10%	25	ml	04/01/2015
0001361072	7727-37-9	NITROGEN	220	cf	04/01/2015
0001339046		HN03 Custom Standard	125	ml	04/01/2015
0001339047		POTASSIUM STANDARD	125	ml	04/01/2015
0001339048		LITHIUM STANDARD	125	ml	04/01/2015
0001339049	7440-23-5	SODIUM STANDARD SOLUTION	125	ml	04/01/2015
0001360964		ARGON/METHANE	220	cf	04/01/2015
0001339051	7439-89-6	IRON STANDARD SOLUTION	125	ml	04/01/2015
0001360965		ARGON/METHANE	220	cf	04/01/2015
0001338814	13463-67-7	Fiberset PM - White	5	gal	04/01/2015
0001338886	64-17-5	ETHYL ALCOHOL 200 PROOF	4	l	04/01/2015
0001338971	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	100	ml	04/01/2015
0001338972	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	100	ml	04/01/2015
0001339117	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001361077	7727-37-9	NITROGEN	220	cf	04/01/2015
0001339050		ALUMINUM STANDARD	125	ml	04/01/2015
0001361047	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/01/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001361058	7727-37-9	NITROGEN	220	cf	04/01/2015
0001361057	7727-37-9	NITROGEN	220	cf	04/01/2015
0001361056	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/01/2015
0001339185	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001360968		ARGON/METHANE	220	cf	04/01/2015
0001339236	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001360967		ARGON/METHANE	220	cf	04/01/2015
0001361055	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/01/2015
0001361054	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/01/2015
0001361053	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/01/2015
0001361052	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/01/2015
0001361051	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/01/2015
0001361050	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/01/2015
0001361075	7727-37-9	NITROGEN	220	cf	04/01/2015
0001339192	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001361078	7727-37-9	NITROGEN	220	cf	04/01/2015
0001361079	7727-37-9	NITROGEN	220	cf	04/01/2015
0001361080	7727-37-9	NITROGEN	220	cf	04/01/2015
0001360966		ARGON/METHANE	220	cf	04/01/2015
0001339198	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001361049	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/01/2015
0001339193	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001361048	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/01/2015
0001339191	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339190	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339189	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339188	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001361046	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/01/2015
0001361073	7727-37-9	NITROGEN	220	cf	04/01/2015
0001361045	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/01/2015
0001339045	111-76-2	PLASMA STANDARD	125	ml	04/01/2015
0001361115	7727-37-9	NITROGEN	40	cf	04/01/2015
0001361105	811-97-2	AIR	220	cf	04/01/2015
0001361106	811-97-2	AIR	220	cf	04/01/2015
0001361107	811-97-2	AIR	220	cf	04/01/2015
0001361108	811-97-2	AIR	220	cf	04/01/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001361109	7727-37-9	NITROGEN	125	cf	04/01/2015
0001361110	7727-37-9	NITROGEN	125	cf	04/01/2015
0001339182	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339183	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339184	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339213	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339214	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339215	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001361103	811-97-2	AIR	220	cf	04/01/2015
0001338995	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001361100	7727-37-9	NITROGEN	220	cf	04/01/2015
0001361113	7782-44-7	OXYGEN	40	cf	04/01/2015
0001361112	7727-37-9	NITROGEN	125	cf	04/01/2015
0001361111	7727-37-9	NITROGEN	125	cf	04/01/2015
0001339007	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339216	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339005	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001338980	3380-34-5	TRICLOSAN	1	gm	04/01/2015
0001338994	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001338993	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001338992	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339065	108-88-3	TOLUENE ANHYDROUS	1	l	04/01/2015
0001361120	7727-37-9	NITROGEN	20	cf	04/01/2015
0001361102	811-97-2	AIR	220	cf	04/01/2015
0001339006	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001361097	7727-37-9	NITROGEN	220	cf	04/01/2015
0001361099	7727-37-9	NITROGEN	220	cf	04/01/2015
0001339181	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339180	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001339179	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339178	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339177	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339176	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339175	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339132	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339131	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339130	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339129	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339128	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001361104	811-97-2	AIR	220	cf	04/01/2015
0001361091	7727-37-9	NITROGEN	220	cf	04/01/2015
0001361101	7727-37-9	NITROGEN	220	cf	04/01/2015
0001361085	7727-37-9	NITROGEN	220	cf	04/01/2015
0001361086	7727-37-9	NITROGEN	220	cf	04/01/2015
0001361087	7727-37-9	NITROGEN	220	cf	04/01/2015
0001361088	7727-37-9	NITROGEN	220	cf	04/01/2015
0001339127	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001361090	7727-37-9	NITROGEN	220	cf	04/01/2015
0001361098	7727-37-9	NITROGEN	220	cf	04/01/2015
0001361092	7727-37-9	NITROGEN	220	cf	04/01/2015
0001361093	7727-37-9	NITROGEN	220	cf	04/01/2015
0001361094	7727-37-9	NITROGEN	220	cf	04/01/2015
0001361095	7727-37-9	NITROGEN	220	cf	04/01/2015
0001361096	7727-37-9	NITROGEN	220	cf	04/01/2015
0001338996	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001361089	7727-37-9	NITROGEN	220	cf	04/01/2015
0001360982		ARGON/METHANE	220	cf	04/01/2015
0001361114	7782-44-7	OXYGEN	40	cf	04/01/2015
0001339238	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339237	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001360994		ARGON/METHANE	220	cf	04/01/2015
0001360993		ARGON/METHANE	220	cf	04/01/2015
0001360992		ARGON/METHANE	220	cf	04/01/2015
0001360991		ARGON/METHANE	220	cf	04/01/2015
0001360990		ARGON/METHANE	220	cf	04/01/2015
0001360989		ARGON/METHANE	220	cf	04/01/2015
0001360988		ARGON/METHANE	220	cf	04/01/2015
0001360987		ARGON/METHANE	220	cf	04/01/2015
0001360986		ARGON/METHANE	220	cf	04/01/2015
0001360985		ARGON/METHANE	220	cf	04/01/2015
0001339240	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001360976		ARGON/METHANE	220	cf	04/01/2015
0001339230	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339231	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339233	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339235	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339232	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001360984		ARGON/METHANE	220	cf	04/01/2015
0001360975		ARGON/METHANE	220	cf	04/01/2015
0001360983		ARGON/METHANE	220	cf	04/01/2015
0001360977		ARGON/METHANE	220	cf	04/01/2015
0001360978		ARGON/METHANE	220	cf	04/01/2015
0001360979		ARGON/METHANE	220	cf	04/01/2015
0001360980		ARGON/METHANE	220	cf	04/01/2015
0001360981		ARGON/METHANE	220	cf	04/01/2015
0001331949	1310-73-2	Sodium Hydroxide 25%	3400	lb	04/01/2015
0001360974		ARGON/METHANE	220	cf	04/01/2015
0001339114	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001338997	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001338998	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001338999	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339000	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339001	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001339002	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339003	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339004	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001361116	7727-37-9	NITROGEN	40	cf	04/01/2015
0001361117	7727-37-9	NITROGEN	40	cf	04/01/2015
0001361084	7727-37-9	NITROGEN	220	cf	04/01/2015
0001361083	7727-37-9	NITROGEN	220	cf	04/01/2015
0001361082	7727-37-9	NITROGEN	220	cf	04/01/2015
0001339239	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001338883	556-48-9	1,4-CYCLOHEXANEDIOL	25	gm	04/01/2015
0001331950	1310-73-2	Sodium Hydroxide 25%	3400	lb	04/01/2015
0001338990		Ammonia pH-adjusting ISA	425	ml	04/01/2015
0001338991	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001331951	1310-73-2	Sodium Hydroxide 25%	3400	lb	04/01/2015
0001331952	1310-73-2	Sodium Hydroxide 25%	3400	lb	04/01/2015
0001339115	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001361119	7727-37-9	NITROGEN	20	cf	04/01/2015
0001361118	7727-37-9	NITROGEN	40	cf	04/01/2015
0001339043		INSTRUMENT CHECK STANDARD 3	125	ml	04/01/2015
0001339044		CALCIUM STANDARD	125	ml	04/01/2015
0001361081	7727-37-9	NITROGEN	220	cf	04/01/2015
0001339112	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339113	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339011	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001331953	1310-73-2	Sodium Hydroxide 25%	3400	lb	04/01/2015
0001339070	110-54-3	HEXANE (HEXANE, ANHYDROUS)	1	l	04/01/2015
0001339067	108-88-3	TOLUENE ANHYDROUS	1	l	04/01/2015
0001361037	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/01/2015
0001361038	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/01/2015
0001361039	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/01/2015
0001361040	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/01/2015
0001338981	9003-53-6	POLYSTYRENE	50	gm	04/01/2015
0001338983	67-64-1	ACETONE REAGENT ACS	1	l	04/01/2015
0001338984	67-64-1	ACETONE REAGENT ACS	1	l	04/01/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001338985		Ammonia pH-adjusting ISA	425	ml	04/01/2015
0001361041	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/01/2015
0001339073	110-54-3	HEXANE (HEXANE, ANHYDROUS)	1	l	04/01/2015
0001361042	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/01/2015
0001361035	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/01/2015
0001339071	110-54-3	HEXANE (HEXANE, ANHYDROUS)	1	l	04/01/2015
0001339106	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339069	110-54-3	HEXANE (HEXANE, ANHYDROUS)	1	l	04/01/2015
0001339068	108-88-3	TOLUENE ANHYDROUS	1	l	04/01/2015
0001361044	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/01/2015
0001339107	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339108	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339109	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339110	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001338986		Ammonia pH-adjusting ISA	425	ml	04/01/2015
0001338987		Ammonia pH-adjusting ISA	425	ml	04/01/2015
0001338988		Ammonia pH-adjusting ISA	425	ml	04/01/2015
0001338989		Ammonia pH-adjusting ISA	425	ml	04/01/2015
0001339211	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001361043	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/01/2015
0001339204	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339234	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339212	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001361001		ARGON/METHANE	220	cf	04/01/2015
0001361000		ARGON/METHANE	220	cf	04/01/2015
0001360999		ARGON/METHANE	220	cf	04/01/2015
0001360998		ARGON/METHANE	220	cf	04/01/2015
0001360997		ARGON/METHANE	220	cf	04/01/2015
0001360996		ARGON/METHANE	220	cf	04/01/2015
0001360995		ARGON/METHANE	220	cf	04/01/2015
0001339208	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001339207	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339206	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001361036	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/01/2015
0001339103	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339072	110-54-3	HEXANE (HEXANE, ANHYDROUS)	1	l	04/01/2015
0001361129	74-82-8	METHANE	58	l	04/01/2015
0001361128	7782-44-7	OXYGEN	60	cf	04/01/2015
0001339064	108-88-3	TOLUENE ANHYDROUS	1	l	04/01/2015
0001339104	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339105	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001361127	74-86-2	ACETYLENE	40	cf	04/01/2015
0001361126	74-86-2	ACETYLENE	40	cf	04/01/2015
0001361125	74-86-2	ACETYLENE	40	cf	04/01/2015
0001361124	74-86-2	ACETYLENE	40	cf	04/01/2015
0001361123	74-86-2	ACETYLENE	40	cf	04/01/2015
0001361122	7727-37-9	NITROGEN	20	cf	04/01/2015
0001361121	7727-37-9	NITROGEN	20	cf	04/01/2015
0001339205	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339017	68083-19-2	POLY(DIMETHYLSILOXANE), VINYL TERMINATED	3	kg	04/01/2015
0001338978	109-66-0	PENTANE, ANHYDROUS	1	l	04/01/2015
0001338979	1330-20-7	XYLENES	1	l	04/01/2015
0001338977	109-66-0	PENTANE, ANHYDROUS	1	l	04/01/2015
0001338976	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	100	ml	04/01/2015
0001338975	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	100	ml	04/01/2015
0001338974	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	100	ml	04/01/2015
0001338973	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	100	ml	04/01/2015
0001339012	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339013	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339074	110-54-3	HEXANE (HEXANE, ANHYDROUS)	1	l	04/01/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001339014	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339066	108-88-3	TOLUENE ANHYDROUS	1	l	04/01/2015
0001339209	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339210	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/01/2015
0001339018	68037-59-2	METHYLHYDROSILOXAME (6-7%) DIMETHYLSILOXANE COPOLYMER	100	gm	04/01/2015
0001339019	68037-59-2	METHYLHYDROSILOXAME (6-7%) DIMETHYLSILOXANE COPOLYMER	100	gm	04/01/2015
0001339020		PLATINUM DIVINYLTETRAMET	5	gm	04/01/2015
0001361006		ARGON/METHANE	220	cf	04/01/2015
0001361010		ARGON/METHANE	220	cf	04/01/2015
0001361009		ARGON/METHANE	220	cf	04/01/2015
0001361007		ARGON/METHANE	220	cf	04/01/2015
0001361011		ARGON/METHANE	220	cf	04/01/2015
0001361008		ARGON/METHANE	220	cf	04/01/2015
0001361023	7440-59-7	HELIUM	80	cf	04/01/2015
0001361034	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/01/2015
0001361033	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/01/2015
0001361032	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/01/2015
0001361031	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/01/2015
0001361030	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/01/2015
0001361029	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/01/2015
0001361028	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/01/2015
0001361027	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/01/2015
0001361026	7440-59-7	HELIUM	80	cf	04/01/2015
0001331948	7732-18-5	Hydrochloric Acid 30-31%	3000	lb	04/01/2015
0001361024	7440-59-7	HELIUM	80	cf	04/01/2015
0001361005		ARGON/METHANE	220	cf	04/01/2015
0001361012		ARGON/METHANE	220	cf	04/01/2015
0001361022	124-38-9	CARBON DIOXIDE	220	cf	04/01/2015
0001361021	124-38-9	CARBON DIOXIDE	220	cf	04/01/2015
0001361020	74-98-6	PROPANE	33	lb	04/01/2015
0001361019		ARGON/METHANE	220	cf	04/01/2015
0001361018		ARGON/METHANE	220	cf	04/01/2015
0001361017		ARGON/METHANE	220	cf	04/01/2015
0001361016		ARGON/METHANE	220	cf	04/01/2015
0001361015		ARGON/METHANE	220	cf	04/01/2015
0001361014		ARGON/METHANE	220	cf	04/01/2015
0001361013		ARGON/METHANE	220	cf	04/01/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001361025	7440-59-7	HELIUM	80	cf	04/01/2015
0001339039		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/01/2015
0001339042		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/01/2015
0001339041		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/01/2015
0001338813		Grip-Tack	5	gal	04/01/2015
0001338810	60-29-7	ETHYL ETHER	1	l	04/01/2015
0001339040		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/01/2015
0001361004		ARGON/METHANE	220	cf	04/01/2015
0001339038		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/01/2015
0001339037		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/01/2015
0001339036		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/01/2015
0001339035		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/01/2015
0001339034		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/01/2015
0001339033		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/01/2015
0001331947	7732-18-5	Hydrochloric Acid 30-31%	3000	lb	04/01/2015
0001338885		LB BROTH MILLER	250	gm	04/01/2015
0001339031		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/01/2015
0001339032		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/01/2015
0001338884	97-53-0	Eugenol	5	gm	04/01/2015
0001361003		ARGON/METHANE	220	cf	04/01/2015
0001361002		ARGON/METHANE	220	cf	04/01/2015
0001310700		MOTOR OIL	1	qt	04/02/2015
0001310746		MOTOR OIL	1	qt	04/02/2015
0001310747		MOTOR OIL	1	qt	04/02/2015
0001310735		MOTOR OIL	1	qt	04/02/2015
0001310717		MOTOR OIL	1	qt	04/02/2015
0001310752		MOTOR OIL	1	qt	04/02/2015
0001310748		MOTOR OIL	1	qt	04/02/2015
0001310707		MOTOR OIL	1	qt	04/02/2015
0001310699		MOTOR OIL	1	qt	04/02/2015
0001310698		MOTOR OIL	1	qt	04/02/2015
0001360959		Carbon Dioxide 1000ppm/Bal. Nitrogen	150	cf	04/02/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001360958		Carbon Dioxide 1000ppm/Bal. Nitrogen	150	cf	04/02/2015
0001310701		MOTOR OIL	1	qt	04/02/2015
0001310718		MOTOR OIL	1	qt	04/02/2015
0001310702		MOTOR OIL	1	qt	04/02/2015
0001310703		MOTOR OIL	1	qt	04/02/2015
0001310749		MOTOR OIL	1	qt	04/02/2015
0001339029	7440-50-8	COPPER POWDER SPHERICAL, 325 MESH	100	l	04/02/2015
0001310727		MOTOR OIL	1	qt	04/02/2015
0001202380		METAL MARKER	10	ml	04/02/2015
0001202384		METAL MARKER	10	ml	04/02/2015
0001339030	1693-74-9	TETRAHYDROFURAN-D8	5	gm	04/02/2015
0001202386		METAL MARKER	10	ml	04/02/2015
0001202387		METAL MARKER	10	ml	04/02/2015
0001202388		METAL MARKER	10	ml	04/02/2015
0001310726		MOTOR OIL	1	qt	04/02/2015
0001310745		MOTOR OIL	1	qt	04/02/2015
0001339028		INORGANICS MARINE SEDIMENT 2702	50	gm	04/02/2015
0001310744		MOTOR OIL	1	qt	04/02/2015
0001360939	7727-37-9	NITROGEN	20	cf	04/02/2015
0001310725		MOTOR OIL	1	qt	04/02/2015
0001310751		MOTOR OIL	1	qt	04/02/2015
0001310724		MOTOR OIL	1	qt	04/02/2015
0001310723		MOTOR OIL	1	qt	04/02/2015
0001310736		MOTOR OIL	1	qt	04/02/2015
0001310696		SILICONE SPRAY	11	oz	04/02/2015
0001310697		MOTOR OIL	1	qt	04/02/2015
0001360956	7440-59-7	HELIUM	100	l	04/02/2015
0001339021	497-19-8	SODIUM CARBONATE ANHYDROUS	1	kg	04/02/2015
0001339242	7439-96-5	MANGANESE PIECES	100	gm	04/02/2015
0001339097		PF SOLVENT	1	gal	04/02/2015
0001339098		PF SOLVENT	1	gal	04/02/2015
0001339099		PF SOLVENT	1	gal	04/02/2015
0001339101		TUNE UP GREASE	500	ml	04/02/2015
0001310719		MOTOR OIL	1	qt	04/02/2015
0001310720		MOTOR OIL	1	qt	04/02/2015
0001339102		TUNE UP GREASE	500	ml	04/02/2015
0001360957	7440-59-7	HELIUM	250	l	04/02/2015
0001339241	7439-96-5	MANGANESE PIECES	100	gm	04/02/2015
0001339094		PF SOLVENT	1	gal	04/02/2015
0001339243	7439-96-5	MANGANESE PIECES	25	gm	04/02/2015
0001310728		MOTOR OIL	1	qt	04/02/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001339244	7439-96-5	MANGANESE PIECES	25	gm	04/02/2015
0001202381		METAL MARKER	10	ml	04/02/2015
0001339247		TECH HOLD	3	gm	04/02/2015
0001339248		TECH HOLD	3	gm	04/02/2015
0001339249		TECH HOLD	3	gm	04/02/2015
0001339250		TECH HOLD	3	gm	04/02/2015
0001339133	13463-67-7	TITANIUM (IV) OXIDE	250	gm	04/02/2015
0001360952	7440-59-7	HELIUM	100	l	04/02/2015
0001310753		MOTOR OIL	1	qt	04/02/2015
0001310754		MOTOR OIL	1	qt	04/02/2015
0001310705		MOTOR OIL	1	qt	04/02/2015
0001310706		MOTOR OIL	1	qt	04/02/2015
0001310755		MOTOR OIL	1	qt	04/02/2015
0001310756		MOTOR OIL	1	qt	04/02/2015
0001202379		METAL MARKER	10	ml	04/02/2015
0001360955	7440-59-7	HELIUM	100	l	04/02/2015
0001339096		PF SOLVENT	1	gal	04/02/2015
0001360953	7440-59-7	HELIUM	100	l	04/02/2015
0001339095		PF SOLVENT	1	gal	04/02/2015
0001360951	7440-59-7	HELIUM	100	l	04/02/2015
0001360950	7440-59-7	HELIUM	100	l	04/02/2015
0001339089	67-56-1	METHANOL	16	l	04/02/2015
0001339090	67-56-1	METHANOL	16	l	04/02/2015
0001339091	67-56-1	METHANOL	16	l	04/02/2015
0001339092	67-56-1	METHANOL	16	l	04/02/2015
0001339093		NI-NTA SUPERFLOW	100	ml	04/02/2015
0001310704		MOTOR OIL	1	qt	04/02/2015
0001360954	7440-59-7	HELIUM	100	l	04/02/2015
0001310722		MOTOR OIL	1	qt	04/02/2015
0001360941	7727-37-9	NITROGEN	20	cf	04/02/2015
0001339251		TECH HOLD	3	gm	04/02/2015
0001339252		TECH HOLD	3	gm	04/02/2015
0001339253		TECH HOLD	3	gm	04/02/2015
0001310731		MOTOR OIL	1	qt	04/02/2015
0001310732		MOTOR OIL	1	qt	04/02/2015
0001339254		TECH HOLD	3	gm	04/02/2015
0001339256		TECH HOLD	3	gm	04/02/2015
0001360940	7727-37-9	NITROGEN	20	cf	04/02/2015
0001310721		MOTOR OIL	1	qt	04/02/2015
0001310708		MOTOR OIL	1	qt	04/02/2015
0001310694		SILICONE SPRAY	10	oz	04/02/2015
0001310693		SILICONE SPRAY	10	oz	04/02/2015
0001310741		MOTOR OIL	1	qt	04/02/2015
0001310740		MOTOR OIL	1	qt	04/02/2015
0001360943	7440-59-7	HELIUM	100	l	04/02/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001360942	7727-37-9	NITROGEN	20	cf	04/02/2015
0001310750		MOTOR OIL	1	qt	04/02/2015
0001310734		MOTOR OIL	1	qt	04/02/2015
0001310733		MOTOR OIL	1	qt	04/02/2015
0001202385		METAL MARKER	10	ml	04/02/2015
0001310742		MOTOR OIL	1	qt	04/02/2015
0001310739		MOTOR OIL	1	qt	04/02/2015
0001339255		TECH HOLD	3	gm	04/02/2015
0001360944	7440-59-7	HELIUM	100	l	04/02/2015
0001310737		MOTOR OIL	1	qt	04/02/2015
0001310743		MOTOR OIL	1	qt	04/02/2015
0001310729		MOTOR OIL	1	qt	04/02/2015
0001310730		MOTOR OIL	1	qt	04/02/2015
0001360946	7440-59-7	HELIUM	100	l	04/02/2015
0001360949	7440-59-7	HELIUM	100	l	04/02/2015
0001360948	7440-59-7	HELIUM	100	l	04/02/2015
0001360947	7440-59-7	HELIUM	100	l	04/02/2015
0001310695		SILICONE SPRAY	11	oz	04/02/2015
0001360945	7440-59-7	HELIUM	100	l	04/02/2015
0001310738		MOTOR OIL	1	qt	04/02/2015
0001339027		FORMULA 2011	55	gal	04/02/2015
0001310716		MOTOR OIL	1	qt	04/02/2015
0001310715		MOTOR OIL	1	qt	04/02/2015
0001339026		FORMULA 2011	55	gal	04/02/2015
0001310713		MOTOR OIL	1	qt	04/02/2015
0001339022		FORMULA 2011	55	gal	04/02/2015
0001310712		MOTOR OIL	1	qt	04/02/2015
0001310711		MOTOR OIL	1	qt	04/02/2015
0001310710		MOTOR OIL	1	qt	04/02/2015
0001310709		MOTOR OIL	1	qt	04/02/2015
0001310714		MOTOR OIL	1	qt	04/02/2015
0001339025		FORMULA 2011	55	gal	04/02/2015
0001339024		FORMULA 2011	55	gal	04/02/2015
0001338811	7697-37-2	NITRIC ACID OPTIMA	500	ml	04/02/2015
0001331959	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	04/02/2015
0001338812	7697-37-2	NITRIC ACID OPTIMA	500	ml	04/02/2015
0001331954	7732-18-5	Hydrochloric Acid 30-31%	3000	lb	04/02/2015
0001331955	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	04/02/2015
0001331956	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	04/02/2015
0001331957	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	04/02/2015
0001331958	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	04/02/2015
0001339023		FORMULA 2011	55	gal	04/02/2015
0001331069		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/03/2015
0001331087		COLORTREND 808	1	l	04/03/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001331099		33 GLAZING	1	qt	04/03/2015
0001331070		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/03/2015
0001331697		DPBS	500	ml	04/03/2015
0001331051		PVC PIPE CEMENT	8	oz	04/03/2015
0001331050		PVC PRIMER CLEAR	16	oz	04/03/2015
0001331056		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/03/2015
0001331088		COLORTREND 808	1	l	04/03/2015
0001331089		COLORTREND 808	1	l	04/03/2015
0001331696		PBS POLYMERIC BARRIER SYSTEM	500	ml	04/03/2015
0001331066		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/03/2015
0001331067		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/03/2015
0001331705		NUCLEASE-FREE WATER	1000	ml	04/03/2015
0001331052		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/03/2015
0001331053		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/03/2015
0001331068		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/03/2015
0001331081		ZINSSER 123 BULLSEYE PRIMER	5	gal	04/03/2015
0001331054		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/03/2015
0001331071		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/03/2015
0013317045		RPMI-1640 MEDIUM	500	ml	04/03/2015
0001331072		100% SILICONE SEALANT	9.8	oz	04/03/2015
0001331055		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/03/2015
0001331075		ZINSSER	1	qt	04/03/2015
0001331090		NUBROADLOK PREMIUM MULTI PURPOSE ADHESIVE	4	gal	04/03/2015
0001331061		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/03/2015
0001331062		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/03/2015
0001331063		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/03/2015
0001331094		NUBROADLOK PREMIUM MULTI PURPOSE ADHESIVE	4	gal	04/03/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001331095		NUBROADLOK PREMIUM MULTI PURPOSE ADHESIVE	4	gal	04/03/2015
0001331695		MINIMUM ESSENTIAL MEDIUM ALPHA MEDIUM (2X)	500	ml	04/03/2015
0001331694		ANTIBIOTIC ANTIMYCOTIC SOLUTION	100	ml	04/03/2015
0001331693	9002-07-7	TRYPSIN-EDTA (1X)	100	ml	04/03/2015
0001331064		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/03/2015
0001331096		NUBROADLOK PREMIUM MULTI PURPOSE ADHESIVE	4	gal	04/03/2015
0001331060		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/03/2015
0001331074		ZINSSER	1	qt	04/03/2015
0001331093		NUBROADLOK PREMIUM MULTI PURPOSE ADHESIVE	4	gal	04/03/2015
0001331692	144-55-8	SODIUM BICARBONATE SOLUTION (7.5% W/V)	100	ml	04/03/2015
0001331691	7732-18-5	WATER	100	ml	04/03/2015
0001331078		ZINSSER 123 BULLSEYE PRIMER	5	gal	04/03/2015
0001331076		ZINSSER	1	qt	04/03/2015
0001331079		ZINSSER 123 BULLSEYE PRIMER	5	gal	04/03/2015
0001331077		ZINSSER	1	qt	04/03/2015
0001331080		ZINSSER 123 BULLSEYE PRIMER	5	gal	04/03/2015
0001331085		COLORTREND 808	1	l	04/03/2015
0001331084		COLORTREND 808	1	l	04/03/2015
0001331083		ZINSSER 123 BULLSEYE PRIMER	5	gal	04/03/2015
0001331082		ZINSSER 123 BULLSEYE PRIMER	5	gal	04/03/2015
0001331097		NUBROADLOK PREMIUM MULTI PURPOSE ADHESIVE	4	gal	04/03/2015
0001331092		NUBROADLOK PREMIUM MULTI PURPOSE ADHESIVE	4	gal	04/03/2015
0001331059		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/03/2015
0001331058		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/03/2015
0001331091		NUBROADLOK PREMIUM MULTI PURPOSE ADHESIVE	4	gal	04/03/2015
0001331098		33 GLAZING	1	qt	04/03/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001331701		SSC BUFFER MIX (SALINE-SODIUM CITRATE BUFFER	1000	ml	04/03/2015
0001331700		CONTRAD 70	250	ml	04/03/2015
0001331086		COLORTREND 808	1	l	04/03/2015
0001331698		M-PER MAMMALIAN PROTEIN E	250	ml	04/03/2015
0001331057		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/03/2015
0001331702		FETAL BOVINE SERUM	500	ml	04/03/2015
0001331703		DMEM	1000	ml	04/03/2015
0001331073		GLAZING COMPOUND	10.1	oz	04/03/2015
0001331065		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/03/2015
0001331699	57-50-1	D-SUCROSE	1	kg	04/03/2015
0001331689	9012-36-6	AGAROSE, SEAPLAQUE	25	gm	04/03/2015
0001331688		Water, Ultra Pure CE	500	ml	04/03/2015
0001331690	492-62-6	D-(+)-GLUCOSE	100	gm	04/03/2015
0001291834		rust-oleum stops rust gloss protective enamel	12	oz	04/06/2015
0001339330		borated poly	1	lb	04/06/2015
0001291832		rust-oleum stops rust gloss protective enamel	12	oz	04/06/2015
0001291833		rust-oleum stops rust gloss protective enamel	12	oz	04/06/2015
0001310689	Multi	RTV Engine Sealant	2.65	oz	04/06/2015
0001339135		ULTRA GRADE 19 OIL	1	l	04/06/2015
0001310691	Multi	Enforce Tire Mounting Compound	5	gal	04/06/2015
0001291835		rust-oleum stops rust gloss protective enamel	12	oz	04/06/2015
0001339087	74-89-5	METHYLAMINE	100	ml	04/06/2015
0001339088	74-89-5	METHYLAMINE	100	ml	04/06/2015
0001339137		ULTRA GRADE 19 OIL	1	l	04/06/2015
0001339136		ULTRA GRADE 19 OIL	1	l	04/06/2015
0001339100		Optishield Corrosion Inhibitor	1	gal	04/06/2015
0001339134		V LUBE B MECHANICAL VACUUM PUMP OIL	5	gal	04/06/2015
0001310690	Multi	RTV Engine Sealant	2.65	oz	04/06/2015
0001331116		ready mix concrete	60	lb	04/06/2015
0001339342		borated poly	1	lb	04/06/2015
0001339343		borated poly	1	lb	04/06/2015
0001339344		borated poly	1	lb	04/06/2015
0001339345		borated poly	1	lb	04/06/2015
0001339346		borated poly	1	lb	04/06/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001339377		7.5% Lithium Polyethylene	1 lb		04/06/2015
0001339378		7.5% Lithium Polyethylene	1 lb		04/06/2015
0001331111		ready mix concrete	60 lb		04/06/2015
0001339347		borated poly	1 lb		04/06/2015
0001339348		borated poly	1 lb		04/06/2015
0001331112		ready mix concrete	60 lb		04/06/2015
0001331113		ready mix concrete	60 lb		04/06/2015
0001339370		7.5% Lithium Polyethylene	1 lb		04/06/2015
0001331115		ready mix concrete	60 lb		04/06/2015
0001339339		borated poly	1 lb		04/06/2015
0001331117		ready mix concrete	60 lb		04/06/2015
0001331118		ready mix concrete	60 lb		04/06/2015
0001331119		ready mix concrete	60 lb		04/06/2015
0001331120		ready mix concrete	60 lb		04/06/2015
0001339161	67-56-1	METHANOL	2 l		04/06/2015
0001339160		M-PRO 7 GUN CLEANER	5 gal		04/06/2015
0001339159		M-PRO 7 GUN CLEANER	5 gal		04/06/2015
0001339158		ULTRA GRADE 19 OIL	1 l		04/06/2015
0001339350		borated poly	1 lb		04/06/2015
0001339349		borated poly	1 lb		04/06/2015
0001339138		ULTRA GRADE 19 OIL	1 l		04/06/2015
0001310692	Multi	Enforce Tire Mounting Compound	5 gal		04/06/2015
0001331114		ready mix concrete	60 lb		04/06/2015
0001339332		borated poly	1 lb		04/06/2015
0001339141		ULTRA GRADE 19 OIL	1 l		04/06/2015
0001339142		ULTRA GRADE 19 OIL	1 l		04/06/2015
0001339262	7758-02-3	POTASSIUM BROMIDE	25 gm		04/06/2015
0001339261	7758-02-3	POTASSIUM BROMIDE	25 gm		04/06/2015
0001339260	7758-02-3	POTASSIUM BROMIDE	25 gm		04/06/2015
0001339259	7758-02-3	POTASSIUM BROMIDE	25 gm		04/06/2015
0001339258	7758-02-3	POTASSIUM BROMIDE	25 gm		04/06/2015
0001339257	7758-02-3	POTASSIUM BROMIDE	25 gm		04/06/2015
0001339246	7697-37-2	ICP Tuning Solution	1000 ml		04/06/2015
0001339245	7697-37-2	ICP Tuning Solution	1000 ml		04/06/2015
0001339368		7.5% Lithium Polyethylene	1 lb		04/06/2015
0001339369		7.5% Lithium Polyethylene	1 lb		04/06/2015
0001339341		borated poly	1 lb		04/06/2015
0001339331		borated poly	1 lb		04/06/2015
0001339340		borated poly	1 lb		04/06/2015
0001339333		borated poly	1 lb		04/06/2015
0001339334		borated poly	1 lb		04/06/2015
0001339335		borated poly	1 lb		04/06/2015
0001339371		7.5% Lithium Polyethylene	1 lb		04/06/2015
0001339372		7.5% Lithium Polyethylene	1 lb		04/06/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001339373		7.5% Lithium Polyethylene	1 lb		04/06/2015
0001339374		7.5% Lithium Polyethylene	1 lb		04/06/2015
0001339375		7.5% Lithium Polyethylene	1 lb		04/06/2015
0001339376		7.5% Lithium Polyethylene	1 lb		04/06/2015
0001339336		borated poly	1 lb		04/06/2015
0001339337		borated poly	1 lb		04/06/2015
0001339338		borated poly	1 lb		04/06/2015
0001339139		ULTRA GRADE 19 OIL	1 l		04/06/2015
0001339329		borated poly	1 lb		04/06/2015
0001339359		7.5% Lithium Polyethylene	1 lb		04/06/2015
0001339354		borated poly	1 lb		04/06/2015
0001339355		borated poly	1 lb		04/06/2015
0001339360		7.5% Lithium Polyethylene	1 lb		04/06/2015
0001339325		borated poly	1 lb		04/06/2015
0001339352		borated poly	1 lb		04/06/2015
0001339353		borated poly	1 lb		04/06/2015
0001339326		borated poly	1 lb		04/06/2015
0001339357		borated poly	1 lb		04/06/2015
0001339356		borated poly	1 lb		04/06/2015
0001339358		borated poly	1 lb		04/06/2015
0001339351		borated poly	1 lb		04/06/2015
0001339328		borated poly	1 lb		04/06/2015
0001339327		borated poly	1 lb		04/06/2015
0001339367		7.5% Lithium Polyethylene	1 lb		04/06/2015
0001339366		7.5% Lithium Polyethylene	1 lb		04/06/2015
0001339362		7.5% Lithium Polyethylene	1 lb		04/06/2015
0001339365		7.5% Lithium Polyethylene	1 lb		04/06/2015
0001339364		7.5% Lithium Polyethylene	1 lb		04/06/2015
0001339319		borated poly	1 lb		04/06/2015
0001339320		borated poly	1 lb		04/06/2015
0001339321		borated poly	1 lb		04/06/2015
0001339150		ULTRA GRADE 19 OIL	1 l		04/06/2015
0001339323		borated poly	1 lb		04/06/2015
0001339322		borated poly	1 lb		04/06/2015
0001339324		borated poly	1 lb		04/06/2015
0001339157		ULTRA GRADE 19 OIL	1 l		04/06/2015
0001339156		ULTRA GRADE 19 OIL	1 l		04/06/2015
0001339155		ULTRA GRADE 19 OIL	1 l		04/06/2015
0001339154		ULTRA GRADE 19 OIL	1 l		04/06/2015
0001339153		ULTRA GRADE 19 OIL	1 l		04/06/2015
0001339361		7.5% Lithium Polyethylene	1 lb		04/06/2015
0001339151		ULTRA GRADE 19 OIL	1 l		04/06/2015
0001339149		ULTRA GRADE 19 OIL	1 l		04/06/2015
0001339148		ULTRA GRADE 19 OIL	1 l		04/06/2015
0001339147		ULTRA GRADE 19 OIL	1 l		04/06/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001339146		ULTRA GRADE 19 OIL	1	l	04/06/2015
0001339145		ULTRA GRADE 19 OIL	1	l	04/06/2015
0001339140		ULTRA GRADE 19 OIL	1	l	04/06/2015
0001339144		ULTRA GRADE 19 OIL	1	l	04/06/2015
0001339143		ULTRA GRADE 19 OIL	1	l	04/06/2015
0001339363		7.5% Lithium Polyethylene	1	lb	04/06/2015
0001339152		ULTRA GRADE 19 OIL	1	l	04/06/2015
0001339163	3144-16-9	(1S)-(+)-10-CAMPHORSULFONIC ACID	100	gm	04/06/2015
0001291828		RUST-OLEUM FEDERAL SAFETY RED	12	oz	04/06/2015
0001291830		RUST-OLEUM FEDERAL SAFETY RED	12	oz	04/06/2015
0001339162	7446-70-0	ALUMINUM CHLORIDE, ANHYDROUS	500	gm	04/06/2015
0001339164	67-63-0	ISOPROPYL ALCOHOL	4	l	04/06/2015
0001339165	67-63-0	ISOPROPYL ALCOHOL	4	l	04/06/2015
0001339166	108-88-3	TOLUENE	4	l	04/06/2015
0001339167	108-88-3	TOLUENE	4	l	04/06/2015
0001339168	108-88-3	TOLUENE	4	l	04/06/2015
0001339169	108-88-3	TOLUENE	4	l	04/06/2015
0001291831		RUST-OLEUM FEDERAL SAFETY RED	12	oz	04/06/2015
0001291829		RUST-OLEUM FEDERAL SAFETY RED	12	oz	04/06/2015
0001331223		SPRAY ADHESIVE (CONTAINS PETROLEUM DISTILLATES)	12	oz	04/07/2015
0001331222		SPRAY ADHESIVE (CONTAINS PETROLEUM DISTILLATES)	12	oz	04/07/2015
0001310976		MOTOR OIL	1	gal	04/07/2015
0001331224		SPRAY ADHESIVE (CONTAINS PETROLEUM DISTILLATES)	12	oz	04/07/2015
0001331225		SPRAY ADHESIVE (CONTAINS PETROLEUM DISTILLATES)	12	oz	04/07/2015
0001310841		MOTOR OIL	1	qt	04/07/2015
0001310859		MOTOR OIL	1	qt	04/07/2015
0001310965		MOTOR OIL	1	gal	04/07/2015
0001310964		MOTOR OIL	1	gal	04/07/2015
0001310795		193 GLOSS BLACK CHASSIS & GRILLE GUARD PAINT	12	oz	04/07/2015
0001310963		MOTOR OIL	1	gal	04/07/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001310862		MOTOR OIL	1	qt	04/07/2015
0001310926		MOTOR OIL	1	gal	04/07/2015
0001310860		MOTOR OIL	1	qt	04/07/2015
0001339380	7705-07-9	TITANIUM(III) CHLORIDE	100	ml	04/07/2015
0001310892		MOTOR OIL	1	qt	04/07/2015
0001310891		MOTOR OIL	1	qt	04/07/2015
0001310890		MOTOR OIL	1	qt	04/07/2015
0001310927		MOTOR OIL	1	gal	04/07/2015
0001331226		SPRAY ADHESIVE (CONTAINS PETROLEUM DISTILLATES)	12	oz	04/07/2015
0001339379	75-91-2	TERT-BUTYL HYDROPEROXIDE	250	gm	04/07/2015
0001310861		MOTOR OIL	1	qt	04/07/2015
0001310793		SANDABLE PRIMER	12	oz	04/07/2015
0001339293	25952-53-8	N-93-DIMETHYLAMINOPROPYL-N-ETHYLCARBODIIMIDE HYDROCHLORIDE	5	gm	04/07/2015
0001339383		Cyanide Test Kit, Model CYN-3	100	gm	04/07/2015
0001310925		MOTOR OIL	1	gal	04/07/2015
0001339384	Multi	HAFNIUM n-BUTOXIDE	100	gm	04/07/2015
0001339385	Multi	HAFNIUM n-BUTOXIDE	100	gm	04/07/2015
0001339386	Multi	HAFNIUM n-BUTOXIDE	100	gm	04/07/2015
0001339387	Multi	HAFNIUM n-BUTOXIDE	100	gm	04/07/2015
0001339391		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/07/2015
0001310924		MOTOR OIL	1	gal	04/07/2015
0001310873		MOTOR OIL	1	qt	04/07/2015
0001310851		MOTOR OIL	1	qt	04/07/2015
0001310792		SANDABLE PRIMER	12	oz	04/07/2015
0000913063	609-99-4	3,5-DINITROSALICYLIC ACID	1000	gm	04/07/2015
0001310794		SANDABLE PRIMER	12	oz	04/07/2015
0000912987	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	ml	04/07/2015
0000912988	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	ml	04/07/2015
0000912989	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	ml	04/07/2015
0000912990	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	ml	04/07/2015
0001310791		SANDABLE PRIMER	12	oz	04/07/2015
0001310790		SANDABLE PRIMER	12	oz	04/07/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001310828		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	04/07/2015
0001331231		SPRAY ADHESIVE (CONTAINS PETROLEUM DISTILLATES)	12	oz	04/07/2015
0001331230		SPRAY ADHESIVE (CONTAINS PETROLEUM DISTILLATES)	12	oz	04/07/2015
0001310922		MOTOR OIL	1	gal	04/07/2015
0001310849		MOTOR OIL	1	qt	04/07/2015
0001331228		SPRAY ADHESIVE (CONTAINS PETROLEUM DISTILLATES)	12	oz	04/07/2015
0001310852		MOTOR OIL	1	qt	04/07/2015
0001310966		MOTOR OIL	1	gal	04/07/2015
0001310842		MOTOR OIL	1	qt	04/07/2015
0001310950		MOTOR OIL	1	gal	04/07/2015
0001310843		MOTOR OIL	1	qt	04/07/2015
0001310844		MOTOR OIL	1	qt	04/07/2015
0001310845		MOTOR OIL	1	qt	04/07/2015
0001310846		MOTOR OIL	1	qt	04/07/2015
0001310847		MOTOR OIL	1	qt	04/07/2015
0001339292	137-08-6	D-PANTOTHENIC ACID, HEMICALCIUM SALT	100	gm	04/07/2015
0001310848		MOTOR OIL	1	qt	04/07/2015
0001339291	7447-40-7	POTASSIUM CHLORIDE	50	gm	04/07/2015
0001310850		MOTOR OIL	1	qt	04/07/2015
0001310955		MOTOR OIL	1	gal	04/07/2015
0000913062	107-10-8	PROPYLAMINE	1	l	04/07/2015
0001310956		MOTOR OIL	1	gal	04/07/2015
0001310957		MOTOR OIL	1	gal	04/07/2015
0001310958		MOTOR OIL	1	gal	04/07/2015
0001310856		MOTOR OIL	1	qt	04/07/2015
0001310857		MOTOR OIL	1	qt	04/07/2015
0001310858		MOTOR OIL	1	qt	04/07/2015
0000913061	131-08-8	ANTHRAQUINONE-2-SULFONIC ACID, SODIUM SALT, MONOHYDRATE	5	gm	04/07/2015
0001331227		SPRAY ADHESIVE (CONTAINS PETROLEUM DISTILLATES)	12	oz	04/07/2015
0001310840		MOTOR OIL	1	qt	04/07/2015
0001310766		MULTI-PURPOSE GREASE	14.1	oz	04/07/2015
0001310948		MOTOR OIL	1	gal	04/07/2015
0001310777		GEAR OIL 80-90	1	qt	04/07/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001310776		BRACLEEN	14	oz	04/07/2015
0001310775		BRACLEEN	14	oz	04/07/2015
0001310772		WD-40 NON-AEROSOL	20	oz	04/07/2015
0001310771		WD-40 NON-AEROSOL	20	oz	04/07/2015
0001310770		WD-40 NON-AEROSOL	20	oz	04/07/2015
0001310769		WD-40 NON-AEROSOL	20	oz	04/07/2015
0001310774		WHITE LITHIUM GREASE	10	oz	04/07/2015
0001310773		WHITE LITHIUM GREASE	10	oz	04/07/2015
0001310779		GEAR OIL 80-90	1	qt	04/07/2015
0001310767		MULTI-PURPOSE GREASE	14.1	oz	04/07/2015
0001310780		GEAR OIL 80-90	1	qt	04/07/2015
0001310765		MULTI-PURPOSE GREASE	14.1	oz	04/07/2015
0001310764		MULTI-PURPOSE GREASE	14.1	oz	04/07/2015
0001310763		MULTI-PURPOSE GREASE	14.1	oz	04/07/2015
0001310762		MULTI-PURPOSE GREASE	14.1	oz	04/07/2015
0001310799		193 GLOSS BLACK CHASSIS & GRILLE GUARD PAINT	12	oz	04/07/2015
0001310835		MOTOR OIL	1	qt	04/07/2015
0001310836		MOTOR OIL	1	qt	04/07/2015
0001310837		MOTOR OIL	1	qt	04/07/2015
0001310839		MOTOR OIL	1	qt	04/07/2015
0001331107		ACRYLIC LATEX CAULK PLUS SILICONE	10.1	oz	04/07/2015
0001331108		ACRYLIC LATEX CAULK PLUS SILICONE	10.1	oz	04/07/2015
0001310768		MULTI-PURPOSE GREASE	14	oz	04/07/2015
0001310872		MOTOR OIL	1	qt	04/07/2015
0001310960		MOTOR OIL	1	gal	04/07/2015
0001310961		MOTOR OIL	1	gal	04/07/2015
0001310962		MOTOR OIL	1	gal	04/07/2015
0001310808		193 GLOSS BLACK CHASSIS & GRILLE GUARD PAINT	12	oz	04/07/2015
0001310807		193 GLOSS BLACK CHASSIS & GRILLE GUARD PAINT	12	oz	04/07/2015
0001310806		193 GLOSS BLACK CHASSIS & GRILLE GUARD PAINT	12	oz	04/07/2015
0001310805		193 GLOSS BLACK CHASSIS & GRILLE GUARD PAINT	12	oz	04/07/2015
0001310804		193 GLOSS BLACK CHASSIS & GRILLE GUARD PAINT	12	oz	04/07/2015
0001310803		193 GLOSS BLACK CHASSIS & GRILLE GUARD PAINT	12	oz	04/07/2015
0001310802		193 GLOSS BLACK CHASSIS & GRILLE GUARD PAINT	12	oz	04/07/2015
0001310778		GEAR OIL 80-90	1	qt	04/07/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001310800		193 GLOSS BLACK CHASSIS & GRILLE GUARD PAINT	12	oz	04/07/2015
0001331036		ACRYLIC LATEX CAULK PLUS SILICONE	10.1	oz	04/07/2015
0001310871		MOTOR OIL	1	qt	04/07/2015
0001310817		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	04/07/2015
0001310816		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	04/07/2015
0001310815		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	04/07/2015
0001310814		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	04/07/2015
0001310813		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	04/07/2015
0001310812		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	04/07/2015
0001310811		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	04/07/2015
0001310810		POWER STEERING FLUID	1	qt	04/07/2015
0001310782		GEAR OIL 80-90	1	qt	04/07/2015
0001310781		GEAR OIL 80-90	1	qt	04/07/2015
0001310801		193 GLOSS BLACK CHASSIS & GRILLE GUARD PAINT	12	oz	04/07/2015
0001310855		MOTOR OIL	1	qt	04/07/2015
0001331102		ACRYLIC LATEX CAULK PLUS SILICONE	10.1	oz	04/07/2015
0001331103		ACRYLIC LATEX CAULK PLUS SILICONE	10.1	oz	04/07/2015
0001331104		ACRYLIC LATEX CAULK PLUS SILICONE	10.1	oz	04/07/2015
0001331105		ACRYLIC LATEX CAULK PLUS SILICONE	10.1	oz	04/07/2015
0001331106		ACRYLIC LATEX CAULK PLUS SILICONE	10.1	oz	04/07/2015
0001310978		MOTOR OIL	1	gal	04/07/2015
0001310975		MOTOR OIL	1	gal	04/07/2015
0001310974		MOTOR OIL	1	gal	04/07/2015
0001310973		MOTOR OIL	1	gal	04/07/2015
0001310972		MOTOR OIL	1	gal	04/07/2015
0001331109		ACRYLIC LATEX CAULK PLUS SILICONE	10.1	oz	04/07/2015
0001310969		MOTOR OIL	1	gal	04/07/2015
0001310868		MOTOR OIL	1	qt	04/07/2015
0001310854		MOTOR OIL	1	qt	04/07/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001310954		MOTOR OIL	1	gal	04/07/2015
0001310953		MOTOR OIL	1	gal	04/07/2015
0001310952		MOTOR OIL	1	gal	04/07/2015
0001310951		MOTOR OIL	1	gal	04/07/2015
0001339392		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/07/2015
0001310949		MOTOR OIL	1	gal	04/07/2015
0001339409	872-50-4	1-METHYL-2-PYRROLIDINONE	2	l	04/07/2015
0001310947		MOTOR OIL	1	gal	04/07/2015
0001310853		MOTOR OIL	1	qt	04/07/2015
0001310968		MOTOR OIL	1	gal	04/07/2015
0001310970		MOTOR OIL	1	gal	04/07/2015
0001331130		BIG STRETCH CAULK	10.5	oz	04/07/2015
0001310967		MOTOR OIL	1	gal	04/07/2015
0001339404	67-68-5	METHYL SULFOXIDE	100	ml	04/07/2015
0001339405	67-68-5	METHYL SULFOXIDE	100	ml	04/07/2015
0001331037		BIG STRETCH CAULK	10.5	oz	04/07/2015
0001331121		BIG STRETCH CAULK	10.5	oz	04/07/2015
0001331122		BIG STRETCH CAULK	10.5	oz	04/07/2015
0001331123		BIG STRETCH CAULK	10.5	oz	04/07/2015
0001331124		BIG STRETCH CAULK	10.5	oz	04/07/2015
0001331125		BIG STRETCH CAULK	10.5	oz	04/07/2015
0001331126		BIG STRETCH CAULK	10.5	oz	04/07/2015
0001331127		BIG STRETCH CAULK	10.5	oz	04/07/2015
0001310870		MOTOR OIL	1	qt	04/07/2015
0001331129		BIG STRETCH CAULK	10.5	oz	04/07/2015
0001310869		MOTOR OIL	1	qt	04/07/2015
0001339411	1076-43-3	BENZENE-D6	7.5	ml	04/07/2015
0001310798		193 GLOSS BLACK CHASSIS & GRILLE GUARD PAINT	12	oz	04/07/2015
0001339410	865-49-6	CHLOROFORM-D	5	ml	04/07/2015
0001310797		193 GLOSS BLACK CHASSIS & GRILLE GUARD PAINT	12	oz	04/07/2015
0001310796		193 GLOSS BLACK CHASSIS & GRILLE GUARD PAINT	12	oz	04/07/2015
0001310863		MOTOR OIL	1	qt	04/07/2015
0001310864		MOTOR OIL	1	qt	04/07/2015
0001310865		MOTOR OIL	1	qt	04/07/2015
0001310866		MOTOR OIL	1	qt	04/07/2015
0001310867		MOTOR OIL	1	qt	04/07/2015
0001331110		ACRYLIC LATEX CAULK PLUS SILICONE	10.1	oz	04/07/2015
0001331128		BIG STRETCH CAULK	10.5	oz	04/07/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001310827		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	04/07/2015
0001310971		MOTOR OIL	1	gal	04/07/2015
0001310838		MOTOR OIL	1	qt	04/07/2015
0001310834		MOTOR OIL	1	qt	04/07/2015
0001310875		MOTOR OIL	1	qt	04/07/2015
0001310874		MOTOR OIL	1	qt	04/07/2015
0001310930		MOTOR OIL	1	gal	04/07/2015
0001310929		MOTOR OIL	1	gal	04/07/2015
0001310879		MOTOR OIL	1	qt	04/07/2015
0001310944		MOTOR OIL	1	gal	04/07/2015
0001310833		MOTOR OIL	1	qt	04/07/2015
0001310826		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	04/07/2015
0001310825		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	04/07/2015
0001310824		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	04/07/2015
0001310823		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	04/07/2015
0001310822		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	04/07/2015
0001310821		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	04/07/2015
0001310820		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	04/07/2015
0001310928		MOTOR OIL	1	gal	04/07/2015
0001331100		ACRYLIC LATEX CAULK PLUS SILICONE	10.1	oz	04/07/2015
0001310786		SANDABLE PRIMER	12	oz	04/07/2015
0001310785		SANDABLE PRIMER	12	oz	04/07/2015
0001310878		MOTOR OIL	1	qt	04/07/2015
0001310877		MOTOR OIL	1	qt	04/07/2015
0001310876		MOTOR OIL	1	qt	04/07/2015
0001310784		SANDABLE PRIMER	12	oz	04/07/2015
0001339412	57260-73-8	N-BOC-ETHYLENEDIAMINE	5	ml	04/07/2015
0001310977		MOTOR OIL	1	gal	04/07/2015
0001310830		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	04/07/2015
0001310985		WINDSHIELD WASHER FLUID	1	gal	04/07/2015
0001339403	584-08-7	POTASSIUM CARBONATE ANHYDROUS	500	gm	04/07/2015
0001339402		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/07/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001339401		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/07/2015
0001339400		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/07/2015
0001310831		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	04/07/2015
0001310832		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	04/07/2015
0001339399		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/07/2015
0001310987		WINDSHIELD WASHER FLUID	1	gal	04/07/2015
0001310829		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	04/07/2015
0001310933		MOTOR OIL	1	gal	04/07/2015
0001310819		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	04/07/2015
0001310942		MOTOR OIL	1	gal	04/07/2015
0001310919		MOTOR OIL	1	gal	04/07/2015
0001310918		MOTOR OIL	1	gal	04/07/2015
0001310916		MOTOR OIL	1	gal	04/07/2015
0001310941		MOTOR OIL	1	gal	04/07/2015
0001310931		MOTOR OIL	1	gal	04/07/2015
0001310921		MOTOR OIL	1	gal	04/07/2015
0001310932		MOTOR OIL	1	gal	04/07/2015
0001310979		MOTOR OIL	1	gal	04/07/2015
0001310917		MOTOR OIL	1	gal	04/07/2015
0001310939		MOTOR OIL	1	gal	04/07/2015
0001310938		MOTOR OIL	1	gal	04/07/2015
0001310923		MOTOR OIL	1	gal	04/07/2015
0001310934		MOTOR OIL	1	gal	04/07/2015
0001310935		MOTOR OIL	1	gal	04/07/2015
0001310937		MOTOR OIL	1	gal	04/07/2015
0001310936		MOTOR OIL	1	gal	04/07/2015
0001310940		MOTOR OIL	1	gal	04/07/2015
0001310981		WINDSHIELD WASHER FLUID	1	gal	04/07/2015
0001310783		SANDABLE PRIMER	12	oz	04/07/2015
0001310809		Premium enamel	12	oz	04/07/2015
0001310986		WINDSHIELD WASHER FLUID	1	gal	04/07/2015
0001310984		WINDSHIELD WASHER FLUID	1	gal	04/07/2015
0001339408		ANISALDEHYDE	50	ml	04/07/2015
0001339388	Multi	HAFNIUM n-BUTOXIDE	100	gm	04/07/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001310898		MOTOR OIL	1	qt	04/07/2015
0001310920		MOTOR OIL	1	gal	04/07/2015
0001310982		WINDSHIELD WASHER FLUID	1	gal	04/07/2015
0001310818		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	04/07/2015
0001310980		MOTOR OIL	1	gal	04/07/2015
0001310911		MOTOR OIL	1	qt	04/07/2015
0001310912		MOTOR OIL	1	qt	04/07/2015
0001310913		MOTOR OIL	1	qt	04/07/2015
0001310914		MOTOR OIL	1	gal	04/07/2015
0001310915		MOTOR OIL	1	gal	04/07/2015
0001310943		MOTOR OIL	1	gal	04/07/2015
0001310959		MOTOR OIL	1	gal	04/07/2015
0001310983		WINDSHIELD WASHER FLUID	1	gal	04/07/2015
0001339265		AMTAX STANDARD SOLUTION	1	l	04/07/2015
0001339381	67-63-0	ISOPROPANOL, ANHYDROUS	1	l	04/07/2015
0001339382	67-63-0	ISOPROPANOL, ANHYDROUS	1	l	04/07/2015
0001339170	7697-37-2	NITRIC ACID OPTIMA	500	ml	04/07/2015
0001339171	7697-37-2	NITRIC ACID OPTIMA	500	ml	04/07/2015
0001331101		ACRYLIC LATEX CAULK PLUS SILICONE	10.1	oz	04/07/2015
0001339173	7697-37-2	NITRIC ACID OPTIMA	500	ml	04/07/2015
0001310787		SANDABLE PRIMER	12	oz	04/07/2015
0001339273		AMTAX STANDARD SOLUTION	1	l	04/07/2015
0001339264		AMTAX STANDARD SOLUTION	1	l	04/07/2015
0001339398		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/07/2015
0001339266		AMTAX STANDARD SOLUTION	1	l	04/07/2015
0001339267		AMTAX STANDARD SOLUTION	1	l	04/07/2015
0001339268		AMTAX STANDARD SOLUTION	1	l	04/07/2015
0001339269		AMTAX STANDARD SOLUTION	1	l	04/07/2015
0001339270		AMTAX STANDARD SOLUTION	1	l	04/07/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001339271		AMTAX STANDARD SOLUTION	1 l		04/07/2015
0001339272		AMTAX STANDARD SOLUTION	1 l		04/07/2015
0001339263		AMTAX STANDARD SOLUTION	1 l		04/07/2015
0001331137		BIG STRETCH CAULK	10.5 oz		04/07/2015
0001339407		LEAD (II) IODIDE	50 gm		04/07/2015
0001339406		LEAD (II) IODIDE	50 gm		04/07/2015
0001331229		SPRAY ADHESIVE (CONTAINS PETROLEUM DISTILLATES)	12 oz		04/07/2015
0001331143		BIG STRETCH CAULK	10.5 oz		04/07/2015
0001331142		BIG STRETCH CAULK	10.5 oz		04/07/2015
0001331141		BIG STRETCH CAULK	10.5 oz		04/07/2015
0001331140		BIG STRETCH CAULK	10.5 oz		04/07/2015
0001310904		MOTOR OIL	1 qt		04/07/2015
0001331138		BIG STRETCH CAULK	10.5 oz		04/07/2015
0000912992	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500 ml		04/07/2015
0001310945		MOTOR OIL	1 gal		04/07/2015
0001331136		BIG STRETCH CAULK	10.5 oz		04/07/2015
0001331135		BIG STRETCH CAULK	10.5 oz		04/07/2015
0001331134		BIG STRETCH CAULK	10.5 oz		04/07/2015
0001310946		MOTOR OIL	1 gal		04/07/2015
0001331133		BIG STRETCH CAULK	10.5 oz		04/07/2015
0001331132		BIG STRETCH CAULK	10.5 oz		04/07/2015
0001339174	7697-37-2	NITRIC ACID OPTIMA	500 ml		04/07/2015
0001331139		BIG STRETCH CAULK	10.5 oz		04/07/2015
0001310880		MOTOR OIL	1 qt		04/07/2015
0001310899		MOTOR OIL	1 qt		04/07/2015
0000912991	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500 ml		04/07/2015
0001339282		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473 ml		04/07/2015
0001310905		MOTOR OIL	1 qt		04/07/2015
0001310906		MOTOR OIL	1 qt		04/07/2015
0001310908		MOTOR OIL	1 qt		04/07/2015
0001339172	7697-37-2	NITRIC ACID OPTIMA	500 ml		04/07/2015
0001310900		MOTOR OIL	1 qt		04/07/2015
0001310910		MOTOR OIL	1 qt		04/07/2015
0001310907		MOTOR OIL	1 qt		04/07/2015
0001339397		FANTASTIKE ALL PURPOSE CLEANER	32 oz		04/07/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001339396		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/07/2015
0001339395		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/07/2015
0001339394		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/07/2015
0001339393		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/07/2015
0001331131		BIG STRETCH CAULK	10.5	oz	04/07/2015
0001310789		SANDABLE PRIMER	12	oz	04/07/2015
0001310788		SANDABLE PRIMER	12	oz	04/07/2015
0001310909		MOTOR OIL	1	qt	04/07/2015
0001339280	7732-18-5	Total Chlorine Buffer Solution	473	ml	04/07/2015
0001339278	7732-18-5	Total Chlorine Buffer Solution	473	ml	04/07/2015
0001339277	7732-18-5	Total Chlorine Buffer Solution	473	ml	04/07/2015
0001339276	7732-18-5	Total Chlorine Buffer Solution	473	ml	04/07/2015
0001339275	7732-18-5	Total Chlorine Buffer Solution	473	ml	04/07/2015
0001339274		AMTAX STANDARD SOLUTION	1	l	04/07/2015
0001339279	7732-18-5	Total Chlorine Buffer Solution	473	ml	04/07/2015
0001310903		MOTOR OIL	1	qt	04/07/2015
0001310902		MOTOR OIL	1	qt	04/07/2015
0001339281		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	04/07/2015
0001310901		MOTOR OIL	1	qt	04/07/2015
0001310882		MOTOR OIL	1	qt	04/07/2015
0001310889		MOTOR OIL	1	qt	04/07/2015
0001310757		DI-ELECTRIC GREASE	3.3	oz	04/07/2015
0001310881		MOTOR OIL	1	qt	04/07/2015
0001310883		MOTOR OIL	1	qt	04/07/2015
0001310884		MOTOR OIL	1	qt	04/07/2015
0001310885		MOTOR OIL	1	qt	04/07/2015
0001310886		MOTOR OIL	1	qt	04/07/2015
0001310887		MOTOR OIL	1	qt	04/07/2015
0001310888		MOTOR OIL	1	qt	04/07/2015
0001310897		MOTOR OIL	1	qt	04/07/2015
0001310896		MOTOR OIL	1	qt	04/07/2015
0001310895		MOTOR OIL	1	qt	04/07/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001339285		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	04/07/2015
0001339288	21679-46-9	COBALT (III) ACETYLACETONATE	5	gm	04/07/2015
0001339290	7783-93-9	SILVER PERCHLORATE	5	gm	04/07/2015
0001339289	53518-18-6	COUMARIN 153	100	mg	04/07/2015
0001310894		MOTOR OIL	1	qt	04/07/2015
0001339286		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	04/07/2015
0001339287	14024-18-1	IRON(III) ACETYLACETONATE	10	gm	04/07/2015
0001339284		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	04/07/2015
0001339283		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	04/07/2015
0001310758		GASKET SEALANT	3.35	oz	04/07/2015
0001310759		GASKET SEALANT	3.35	oz	04/07/2015
0001310760		MULTI-PURPOSE GREASE	14.1	oz	04/07/2015
0001310761		MULTI-PURPOSE GREASE	14.1	oz	04/07/2015
0001310893		MOTOR OIL	1	qt	04/07/2015
0001280209		TRI-FLOW INDUSTRIAL LUBRICANT WITH TEFLON	12	oz	04/08/2015
0001331148		Flashing Cement SBS 202	5	gal	04/08/2015
0001361142		ARGON 90% METHANE 10%	220	cf	04/08/2015
0001361145		ARGON 90% METHANE 10%	220	cf	04/08/2015
0001331149		Flashing Cement SBS 202	5	gal	04/08/2015
0001361148		ARGON 90% METHANE 10%	220	cf	04/08/2015
0001361141		ARGON 90% METHANE 10%	220	cf	04/08/2015
0001361147		ARGON 90% METHANE 10%	220	cf	04/08/2015
0001361149		ARGON 90% METHANE 10%	220	cf	04/08/2015
0001280029		LUBRIPLATE 105	10	oz	04/08/2015
0001331151		Flashing Cement SBS 202	5	gal	04/08/2015
0001291836		RUST-OLEUM DTM ACRYLIC ENAMEL	12	oz	04/08/2015
0001331153		Flashing Cement SBS 202	5	gal	04/08/2015
0001331150		Flashing Cement SBS 202	5	gal	04/08/2015
0001361152	7440-59-7	HELIUM	220	cf	04/08/2015
0001331152		Flashing Cement SBS 202	5	gal	04/08/2015
0001331154		Flashing Cement SBS 202	5	gal	04/08/2015
0001280165		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001361151	7440-59-7	HELIUM	220	cf	04/08/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001331156		Flashing Cement SBS 202	5	gal	04/08/2015
0001331157		Flashing Cement SBS 202	5	gal	04/08/2015
0001331158		Flashing Cement SBS 202	5	gal	04/08/2015
0001291838		RUST-OLEUM DTM ACRYLIC ENAMEL	12	oz	04/08/2015
0001361144		ARGON 90% METHANE 10%	220	cf	04/08/2015
0001280028		LUBRIPLATE 105	10	oz	04/08/2015
0001331160		Flashing Cement SBS 202	5	gal	04/08/2015
0001361143		ARGON 90% METHANE 10%	220	cf	04/08/2015
0001280094		WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10	oz	04/08/2015
0001361150		ARGON 90% METHANE 10%	220	cf	04/08/2015
0001361153	7440-59-7	HELIUM	220	cf	04/08/2015
0001331155		Flashing Cement SBS 202	5	gal	04/08/2015
0001291837		RUST-OLEUM DTM ACRYLIC ENAMEL	12	oz	04/08/2015
0001331159		Flashing Cement SBS 202	5	gal	04/08/2015
0001280164		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280192		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280186		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280187		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001331166		ready mix concrete	60	lb	04/08/2015
0001331167		ready mix concrete	60	lb	04/08/2015
0001280188		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001331168		ready mix concrete	60	lb	04/08/2015
0001331169		ready mix concrete	60	lb	04/08/2015
0001280189		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280092		WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10	oz	04/08/2015
0001280191		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001331164		ready mix concrete	60	lb	04/08/2015
0001280193		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280194		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280085		WD-40 LUBRICANT SPRAY	11	oz	04/08/2015
0001280086		WD-40 LUBRICANT SPRAY	11	oz	04/08/2015
0001280087		WD-40 LUBRICANT SPRAY	11	oz	04/08/2015
0001280195		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280196		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001361162		HYDROGEN 1% IN ARGON	220	cf	04/08/2015
0001280190		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280180		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001361154	7440-59-7	HELIUM	220	cf	04/08/2015
0001361155	7440-59-7	HELIUM	220	cf	04/08/2015
0001361156	7440-59-7	HELIUM	220	cf	04/08/2015
0001361157	7440-59-7	HELIUM	220	cf	04/08/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001361158		HYDROGEN 1% IN ARGON	220	cf	04/08/2015
0001361159		HYDROGEN 1% IN ARGON	220	cf	04/08/2015
0001361160		HYDROGEN 1% IN ARGON	220	cf	04/08/2015
0001361283	7440-59-7	HELIUM	100	l	04/08/2015
0001280185		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001361146		ARGON 90% METHANE 10%	220	cf	04/08/2015
0001331165		ready mix concrete	60	lb	04/08/2015
0001280181		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280182		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280183		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280184		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001361161		HYDROGEN 1% IN ARGON	220	cf	04/08/2015
0001361284	7440-59-7	HELIUM	100	l	04/08/2015
0001361285	7440-59-7	HELIUM	100	l	04/08/2015
0001361286	7782-44-7	OXYGEN	60	cf	04/08/2015
0001361165		HYDROGEN 1% IN ARGON	220	cf	04/08/2015
0001280179		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280139		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001361163		HYDROGEN 1% IN ARGON	220	cf	04/08/2015
0001280205		MOBIL VACTRA OIL NO. 2	5	gal	04/08/2015
0001280204		MOBIL VACTRA OIL NO. 2	5	gal	04/08/2015
0001280203		MOBIL VACTRA OIL NO. 2	5	gal	04/08/2015
0001280202		MOBIL VACTRA OIL NO. 2	5	gal	04/08/2015
0001280201		MOBIL VACTRA OIL NO. 2	5	gal	04/08/2015
0001280200		MOBIL VACTRA OIL NO. 2	5	gal	04/08/2015
0001280199		MOBIL VACTRA OIL NO. 2	5	gal	04/08/2015
0001280207		MOBIL VACTRA OIL NO. 2	5	gal	04/08/2015
0001280140		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001331145		Flashing Cement SBS 202	5	gal	04/08/2015
0001280138		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280137		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280136		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001361346	7782-44-7	OXYGEN	220	cf	04/08/2015
0001280116		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001331146		Flashing Cement SBS 202	5	gal	04/08/2015
0001331147		Flashing Cement SBS 202	5	gal	04/08/2015
0001331163		Flashing Cement SBS 202	5	gal	04/08/2015
0001331162		Flashing Cement SBS 202	5	gal	04/08/2015
0001279814		ZETASOL 120	5	l	04/08/2015
0001279958		KOOL MIST FORMULA #77	1	gal	04/08/2015
0001331161		Flashing Cement SBS 202	5	gal	04/08/2015
0001361166		HYDROGEN 1% IN ARGON	220	cf	04/08/2015
0001361167		HYDROGEN 1% IN ARGON	220	cf	04/08/2015
0001361282	7440-59-7	HELIUM	100	l	04/08/2015
0001361281	7440-59-7	HELIUM	100	l	04/08/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001280083		DIRECTORR VACUUM PUMP OIL	1	l	04/08/2015
0001279885		Lenox ProTool Lube	14.5	oz	04/08/2015
0001279886		Lenox ProTool Lube	14.5	oz	04/08/2015
0001280206		MOBIL VACTRA OIL NO. 2	5	gal	04/08/2015
0001279957		KOOL MIST FORMULA #77	1	gal	04/08/2015
0001361164		HYDROGEN 1% IN ARGON	220	cf	04/08/2015
0001280084		WD-40 LUBRICANT SPRAY	11	oz	04/08/2015
0001280089		Tap Magic EP-Xtra Cutting Fluid	4	oz	04/08/2015
0001280088		Tap Magic EP-Xtra Cutting Fluid	4	oz	04/08/2015
0001280095		WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10	oz	04/08/2015
0001280093		WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10	oz	04/08/2015
0001280091		WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10	oz	04/08/2015
0001280090		WHITE LIGHTNING SILICONE ULTRA ALL PURPOSE	10	oz	04/08/2015
0001280208		MOBIL VACTRA OIL NO. 2	5	gal	04/08/2015
0001331144		Flashing Cement SBS 202	5	gal	04/08/2015
0001279956		KOOL MIST FORMULA #77	1	gal	04/08/2015
0001361400	74-98-6	PROPANE	100	lb	04/08/2015
0001361406	7440-59-7	HELIUM	220	cf	04/08/2015
0001361405	74-86-2	ACETYLENE	130	cf	04/08/2015
0001361404	74-86-2	ACETYLENE	130	cf	04/08/2015
0001361403	74-86-2	ACETYLENE	130	cf	04/08/2015
0001361402	74-86-2	ACETYLENE	130	cf	04/08/2015
0001280027		#1 GOLD CUTTING FLUID	11	oz	04/08/2015
0001361366	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001361401	74-98-6	PROPANE	5	lb	04/08/2015
0001361409	7440-59-7	HELIUM	220	cf	04/08/2015
0001361399	74-98-6	PROPANE	100	lb	04/08/2015
0001361398	74-98-6	PROPANE	17	gal	04/08/2015
0001361397	74-98-6	PROPANE	17	gal	04/08/2015
0001361396	74-98-6	PROPANE	17	gal	04/08/2015
0001361375	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001361374	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001280026		#1 GOLD CUTTING FLUID	11	oz	04/08/2015
0001361390	7440-59-7	HELIUM, ULTRA HIGH PURITY	220	cf	04/08/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001361168		HYDROGEN 1% IN ARGON	220	cf	04/08/2015
0001280077		DIRECTORR VACUUM PUMP OIL	1	l	04/08/2015
0001280078		DIRECTORR VACUUM PUMP OIL	1	l	04/08/2015
0012888716		Bare Conductive Paint	10	ml	04/08/2015
0001280079		DIRECTORR VACUUM PUMP OIL	1	l	04/08/2015
0001280080		DIRECTORR VACUUM PUMP OIL	1	l	04/08/2015
0001361407	7440-59-7	HELIUM	220	cf	04/08/2015
0001280082		DIRECTORR VACUUM PUMP OIL	1	l	04/08/2015
0001361408	7440-59-7	HELIUM	220	cf	04/08/2015
0001361391	7440-59-7	HELIUM, ULTRA HIGH PURITY	220	cf	04/08/2015
0001361383	7440-59-7	HELIUM, ULTRA HIGH PURITY	220	cf	04/08/2015
0001280114		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001361411	7440-59-7	HELIUM	220	cf	04/08/2015
0001361347	7782-44-7	OXYGEN	220	cf	04/08/2015
0001361410	7440-59-7	HELIUM	220	cf	04/08/2015
0001361371	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001280081		DIRECTORR VACUUM PUMP OIL	1	l	04/08/2015
0001280151		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001361373	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001280141		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280145		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280146		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280147		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280148		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280143		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280150		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280142		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280152		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280153		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280154		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280155		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280156		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001180526	556-67-2	OCTAMETHYLCYCLOTETRAILOXANE	2.8	oz	04/08/2015
0001310989		BUTANE FUEL	5.1	oz	04/08/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001280149		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001361343	7782-44-7	OXYGEN	220	cf	04/08/2015
0001361171		HYDROGEN 1% IN ARGON	220	cf	04/08/2015
0001361370	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001361369	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001361368	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001361367	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001361384	7440-59-7	HELIUM, ULTRA HIGH PURITY	220	cf	04/08/2015
0001180524	556-67-2	OCTAMETHYLCYCLOTETRASILOXANE	2.8	oz	04/08/2015
0001361344	7782-44-7	OXYGEN	220	cf	04/08/2015
0001361372	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001361342	7782-44-7	OXYGEN	220	cf	04/08/2015
0001361341	7782-44-7	OXYGEN	220	cf	04/08/2015
0001361340	7782-44-7	OXYGEN	220	cf	04/08/2015
0001361339	7782-44-7	OXYGEN	220	cf	04/08/2015
0001361392	74-98-6	PROPANE	17	gal	04/08/2015
0001361385	7440-59-7	HELIUM, ULTRA HIGH PURITY	220	cf	04/08/2015
0001180523	556-67-2	OCTAMETHYLCYCLOTETRASILOXANE	2.8	oz	04/08/2015
0001361345	7782-44-7	OXYGEN	220	cf	04/08/2015
0001361378	7440-59-7	HELIUM, ULTRA HIGH PURITY	220	cf	04/08/2015
0001361318	7782-44-7	OXYGEN	220	cf	04/08/2015
0001361135	7727-37-9	NITROGEN	220	cf	04/08/2015
0001361136		ARGON 90% METHANE 10%	220	cf	04/08/2015
0001288717		Bare Conductive Paint	50	ml	04/08/2015
0001361382	7440-59-7	HELIUM, ULTRA HIGH PURITY	220	cf	04/08/2015
0001361381	7440-59-7	HELIUM, ULTRA HIGH PURITY	220	cf	04/08/2015
0001361422	7727-37-9	NITROGEN	220	cf	04/08/2015
0001361379	7440-59-7	HELIUM, ULTRA HIGH PURITY	220	cf	04/08/2015
0001361421	7727-37-9	NITROGEN	220	cf	04/08/2015
0001361377	7440-59-7	HELIUM, ULTRA HIGH PURITY	220	cf	04/08/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001361376	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001361323	7782-44-7	OXYGEN	220	cf	04/08/2015
0001361322	7782-44-7	OXYGEN	220	cf	04/08/2015
0001361321	7782-44-7	OXYGEN	220	cf	04/08/2015
0001361320	7782-44-7	OXYGEN	220	cf	04/08/2015
0001361169		HYDROGEN 1% IN ARGON	220	cf	04/08/2015
0001361380	7440-59-7	HELIUM, ULTRA HIGH PURITY	220	cf	04/08/2015
0001361414	7727-37-9	NITROGEN	220	cf	04/08/2015
0001361328	7782-44-7	OXYGEN	220	cf	04/08/2015
0001361327	7782-44-7	OXYGEN	220	cf	04/08/2015
0001361326	7782-44-7	OXYGEN	220	cf	04/08/2015
0001361325	7782-44-7	OXYGEN	220	cf	04/08/2015
0001361389	7440-59-7	HELIUM, ULTRA HIGH PURITY	220	cf	04/08/2015
0001361388	7440-59-7	HELIUM, ULTRA HIGH PURITY	220	cf	04/08/2015
0001361324	7782-44-7	OXYGEN	220	cf	04/08/2015
0001361413	7440-59-7	HELIUM	220	cf	04/08/2015
0001361317	7782-44-7	OXYGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001361415	7727-37-9	NITROGEN	220	cf	04/08/2015
0001361416	7727-37-9	NITROGEN	220	cf	04/08/2015
0001361417	7727-37-9	NITROGEN	220	cf	04/08/2015
0001361418	7727-37-9	NITROGEN	220	cf	04/08/2015
0001361419	7727-37-9	NITROGEN	220	cf	04/08/2015
0001361420	7727-37-9	NITROGEN	220	cf	04/08/2015
0001310988		BUTANE FUEL	5.1	oz	04/08/2015
0001361412	7440-59-7	HELIUM	220	cf	04/08/2015
0001361178	1333-74-0	HYDROGEN	220	cf	04/08/2015
0001361319	7782-44-7	OXYGEN	220	cf	04/08/2015
0001280075		DIRECTORR VACUUM PUMP OIL	1	l	04/08/2015
0001280076		DIRECTORR VACUUM PUMP OIL	1	l	04/08/2015
0001361183	1333-74-0	HYDROGEN	220	cf	04/08/2015
0001361182	1333-74-0	HYDROGEN	220	cf	04/08/2015
0001361181	1333-74-0	HYDROGEN	220	cf	04/08/2015
0001280073		DIRECTORR VACUUM PUMP OIL	1	l	04/08/2015
0001361179	1333-74-0	HYDROGEN	220	cf	04/08/2015
0001280072		DIRECTORR VACUUM PUMP OIL	1	l	04/08/2015
0001361177	1333-74-0	HYDROGEN	220	cf	04/08/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001361176	1333-74-0	HYDROGEN	220	cf	04/08/2015
0001361175	1333-74-0	HYDROGEN	220	cf	04/08/2015
0001361174	1333-74-0	HYDROGEN	220	cf	04/08/2015
0001361173		HYDROGEN 1% IN ARGON	220	cf	04/08/2015
0001361172		HYDROGEN 1% IN ARGON	220	cf	04/08/2015
0001180525	556-67-2	OCTAMETHYLCYCLOTETRASILOXANE	2.8	oz	04/08/2015
0001361180	1333-74-0	HYDROGEN	220	cf	04/08/2015
0001361308	7782-44-7	OXYGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001361316	7782-44-7	OXYGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001361315	7782-44-7	OXYGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001361314	7782-44-7	OXYGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001361313	7782-44-7	OXYGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001361312	7782-44-7	OXYGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001361311	7782-44-7	OXYGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001280074		DIRECTORR VACUUM PUMP OIL	1	l	04/08/2015
0001361309	7782-44-7	OXYGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001361170		HYDROGEN 1% IN ARGON	220	cf	04/08/2015
0001361307	7782-44-7	OXYGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001361306	7782-44-7	OXYGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001361305	7782-44-7	OXYGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001361304	7782-44-7	OXYGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001361303	7782-44-7	OXYGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001280197		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280198		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001361310	7782-44-7	OXYGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001280109		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280120		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280104		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280105		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001280106		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280107		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280108		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001361360	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001361361	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001361362	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001361363	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001361299		10% METHANE/BAL. ARGON	220	cf	04/08/2015
0001361365	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001361350	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001361295		10% METHANE/BAL. ARGON	220	cf	04/08/2015
0001361293		10% METHANE/BAL. ARGON	220	cf	04/08/2015
0001361294		10% METHANE/BAL. ARGON	220	cf	04/08/2015
0001361300		10% METHANE/BAL. ARGON	220	cf	04/08/2015
0001280111		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280112		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280113		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280115		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001361301		10% METHANE/BAL. ARGON	220	cf	04/08/2015
0001280118		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280110		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001361364	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001361290		10% METHANE/BAL. ARGON	220	cf	04/08/2015
0001361296		10% METHANE/BAL. ARGON	220	cf	04/08/2015
0001361358	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001361359	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001361137		ARGON 90% METHANE 10%	220	cf	04/08/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001361297		10% METHANE/BAL. ARGON	220	cf	04/08/2015
0001361138		ARGON 90% METHANE 10%	220	cf	04/08/2015
0001361357	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001361395	74-98-6	PROPANE	17	gal	04/08/2015
0001361394	74-98-6	PROPANE	17	gal	04/08/2015
0001361287	7782-44-7	OXYGEN	60	cf	04/08/2015
0001280103		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001361289		10% METHANE/BAL. ARGON	220	cf	04/08/2015
0001280119		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001361298		10% METHANE/BAL. ARGON	220	cf	04/08/2015
0001361139		ARGON 90% METHANE 10%	220	cf	04/08/2015
0001361140		ARGON 90% METHANE 10%	220	cf	04/08/2015
0001280144		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001361355	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001361354	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001361291		10% METHANE/BAL. ARGON	220	cf	04/08/2015
0001361292		10% METHANE/BAL. ARGON	220	cf	04/08/2015
0001361353	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001361352	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001361351	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001361288		10% METHANE/BAL. ARGON	220	cf	04/08/2015
0001280167		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280121		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280130		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280117		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280132		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280133		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001361348	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001361387	7440-59-7	HELIUM, ULTRA HIGH PURITY	220	cf	04/08/2015
0001361393	74-98-6	PROPANE	17	gal	04/08/2015
0001280134		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001280135		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280158		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280128		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280166		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280129		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280168		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280169		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280170		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280171		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280172		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280173		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280174		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280175		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280176		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280177		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280178		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280157		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280161		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280122		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280123		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280124		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280125		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280126		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280127		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280163		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001280162		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001361329	7782-44-7	OXYGEN	220	cf	04/08/2015
0001280131		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001361331	7782-44-7	OXYGEN	220	cf	04/08/2015
0001361338	7782-44-7	OXYGEN	220	cf	04/08/2015
0001361333	7782-44-7	OXYGEN	220	cf	04/08/2015
0001361337	7782-44-7	OXYGEN	220	cf	04/08/2015
0001361336	7782-44-7	OXYGEN	220	cf	04/08/2015
0001361335	7782-44-7	OXYGEN	220	cf	04/08/2015
0001361330	7782-44-7	OXYGEN	220	cf	04/08/2015
0001361334	7782-44-7	OXYGEN	220	cf	04/08/2015
0001280160		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001361349	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001361332	7782-44-7	OXYGEN	220	cf	04/08/2015
0001361386	7440-59-7	HELIUM, ULTRA HIGH PURITY	220	cf	04/08/2015
0001361302		10% METHANE/BAL. ARGON	220	cf	04/08/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001361356	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/08/2015
0001280159		2-CYCLE ENGINE OIL	6.4	oz	04/08/2015
0001361195	811-97-2	AIR	220	cf	04/08/2015
0001361194	811-97-2	AIR	220	cf	04/08/2015
0001361193	811-97-2	AIR	220	cf	04/08/2015
0001361196		3.98% HYDROGEN/4.12% NITR	220	cf	04/08/2015
0001361192	811-97-2	AIR	220	cf	04/08/2015
0001361191	811-97-2	AIR	220	cf	04/08/2015
0001361190	811-97-2	AIR	220	cf	04/08/2015
0001361197		3.98% HYDROGEN/4.12% NITR	220	cf	04/08/2015
0001361188	7440-59-7	HELIUM	80	cf	04/08/2015
0001361187		3% HYDROGEN/BAL. HELIUM	220	cf	04/08/2015
0001361189	811-97-2	AIR	220	cf	04/08/2015
0001361198		3.98% HYDROGEN/4.12% NITR	220	cf	04/08/2015
0001361199		3.98% HYDROGEN/4.12% NITR	220	cf	04/08/2015
0001361200		3.98% HYDROGEN/4.12% NITR	220	cf	04/08/2015
0001361201		3.98% HYDROGEN/4.12% NITR	220	cf	04/08/2015
0001361134	7440-59-7	HELIUM	100	l	04/08/2015
0001361203		3.98% HYDROGEN/4.12% NITR	220	cf	04/08/2015
0001361131	7440-59-7	HELIUM	100	l	04/08/2015
0001361132	7440-59-7	HELIUM	100	l	04/08/2015
0001361133	7440-59-7	HELIUM	100	l	04/08/2015
0001361186		3% HYDROGEN/BAL. HELIUM	220	cf	04/08/2015
0001361280	7440-59-7	HELIUM	100	l	04/08/2015
0001361202		3.98% HYDROGEN/4.12% NITR	220	cf	04/08/2015
0001361184	1333-74-0	HYDROGEN	220	cf	04/08/2015
0001361185		3% HYDROGEN/BAL. HELIUM	220	cf	04/08/2015
0001361279	7440-59-7	HELIUM	100	l	04/08/2015
0001311018		ANTIFREEZE/COOLANT	1	gal	04/09/2015
0001311003		DRY FILM MOLY LUBRICANT LU 200	11	oz	04/09/2015
0001311016	7440-21-3	SILICONE LUBRICANT	10	oz	04/09/2015
0001311002		CHAIN AND CABLE FLUID	11	oz	04/09/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001311017	7440-21-3	SILICONE LUBRICANT	10	oz	04/09/2015
0001311012		CARB AND CHOKE CLEANER	13	oz	04/09/2015
0001310997		Motor Oil 10/30	1	qt	04/09/2015
0001339421	160848-22-6	[6,6]-Phenyl C61 butyric acid methyl ester	1	gm	04/09/2015
0001338826	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE), 36.5-38.0%	500	ml	04/09/2015
0001338825	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE), 36.5-38.0%	500	ml	04/09/2015
0001338824	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE), 36.5-38.0%	500	ml	04/09/2015
0001311037		ALL PURPOSE CLEANER	1	gal	04/09/2015
0001311015		BUTANE FUEL	5.82	oz	04/09/2015
0001339420	160848-22-6	[6,6]-Phenyl C61 butyric acid methyl ester	1	gm	04/09/2015
0001311013		CARB AND CHOKE CLEANER	13	oz	04/09/2015
0001311004		DRY FILM MOLY LUBRICANT LU 200	11	oz	04/09/2015
0001311011		CARB AND CHOKE CLEANER	13	oz	04/09/2015
0001311010		CARB AND CHOKE CLEANER	13	oz	04/09/2015
0001311009		CARB AND CHOKE CLEANER	13	oz	04/09/2015
0001311008		CARB AND CHOKE CLEANER	13	oz	04/09/2015
0001311007		CARB AND CHOKE CLEANER	13	oz	04/09/2015
0001311006		DRY FILM MOLY LUBRICANT LU 200	11	oz	04/09/2015
0001311005		DRY FILM MOLY LUBRICANT LU 200	11	oz	04/09/2015
0001311014		BUTANE FUEL	5.82	oz	04/09/2015
0001339417	67-63-0	2-PROPANOL OPTIMA	1	l	04/09/2015
0001310999		Motor Oil 10/30	1	qt	04/09/2015
0001310998		Motor Oil 10/30	1	qt	04/09/2015
0001311031		ANTIFREEZE/COOLANT	1	gal	04/09/2015
0001310996		Motor Oil 10/30	1	qt	04/09/2015
0001310995		Motor Oil 10/30	1	qt	04/09/2015
0001310994		Motor Oil 10/30	1	qt	04/09/2015
0001310993		Motor Oil 10/30	1	qt	04/09/2015
0001310992		Motor Oil 10/30	1	qt	04/09/2015
0001310991		Motor Oil 10/30	1	qt	04/09/2015
0001311001		Motor Oil 10/30	1	qt	04/09/2015
0001339416	67-63-0	2-PROPANOL OPTIMA	1	l	04/09/2015
0001339295		Diamond compound syringe	18	gm	04/09/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001339294	64-19-7	ACETIC ACID (VINEGAR ACID), GLACIAL	500	ml	04/09/2015
0001339418	67-63-0	2-PROPANOL OPTIMA	1	l	04/09/2015
0001311030		ANTIFREEZE/COOLANT	1	gal	04/09/2015
0001311036		Hydraulic Fluid AW #32	5	gal	04/09/2015
0001311035		ANTIFREEZE/COOLANT	1	gal	04/09/2015
0001311034		ANTIFREEZE/COOLANT	1	gal	04/09/2015
0001339419		LATEX MICROSPHERE SUSPENSIONS 5000 SERIES	15	ml	04/09/2015
0001311033		ANTIFREEZE/COOLANT	1	gal	04/09/2015
0001311032		ANTIFREEZE/COOLANT	1	gal	04/09/2015
0001310990		Motor Oil 10/30	1	qt	04/09/2015
0001311027		ANTIFREEZE/COOLANT	1	gal	04/09/2015
0001338827	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE), 36.5-38.0%	500	ml	04/09/2015
0001311020		ANTIFREEZE/COOLANT	1	gal	04/09/2015
0001311021		ANTIFREEZE/COOLANT	1	gal	04/09/2015
0001311022		ANTIFREEZE/COOLANT	1	gal	04/09/2015
0001311023		ANTIFREEZE/COOLANT	1	gal	04/09/2015
0001311024		ANTIFREEZE/COOLANT	1	gal	04/09/2015
0001339413	67-63-0	2-PROPANOL OPTIMA	1	l	04/09/2015
0001339414	67-63-0	2-PROPANOL OPTIMA	1	l	04/09/2015
0001339415	67-63-0	2-PROPANOL OPTIMA	1	l	04/09/2015
0001311000		Motor Oil 10/30	1	qt	04/09/2015
0001311026		ANTIFREEZE/COOLANT	1	gal	04/09/2015
0001311019		ANTIFREEZE/COOLANT	1	gal	04/09/2015
0001311028		ANTIFREEZE/COOLANT	1	gal	04/09/2015
0001311029		ANTIFREEZE/COOLANT	1	gal	04/09/2015
0001339297		DIAMOND COMPOUND 6U	18	gm	04/09/2015
0001331175		ready mix concrete	60	lb	04/09/2015
0001331174		ready mix concrete	60	lb	04/09/2015
0001331173		ready mix concrete	60	lb	04/09/2015
0001331172		ready mix concrete	60	lb	04/09/2015
0001331171		ready mix concrete	60	lb	04/09/2015
0001331170		ready mix concrete	60	lb	04/09/2015
0001339296		DIAMOND PASTE	15	gm	04/09/2015
0001311025		ANTIFREEZE/COOLANT	1	gal	04/09/2015
0001339315	666-52-4	DEUTERATED ACETONE (ACETONE-D6)	100	ml	04/09/2015
0001339389	Multi	FerroZine Iron Reagent Solution Pillows	100	gm	04/09/2015
0001339390	95-50-1	1,2-DICHLOROBENZENE	5	gm	04/09/2015
0001339316	9002-84-0	POLYTETRAFLUOROETHYLENE	2.5	oz	04/09/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001332008		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332001		ARDEX FEATHER FINISH	10	lb	04/10/2015
0001332000		ARDEX FEATHER FINISH	10	lb	04/10/2015
0001331999		ARDEX FEATHER FINISH	10	lb	04/10/2015
0001331998		ARDEX FEATHER FINISH	10	lb	04/10/2015
0001331997		ARDEX FEATHER FINISH	10	lb	04/10/2015
0001331996		ARDEX FEATHER FINISH	10	lb	04/10/2015
0001331995		ARDEX FEATHER FINISH	10	lb	04/10/2015
0001331994		ARDEX FEATHER FINISH	10	lb	04/10/2015
0001331975		PSX 700 CURE	1	gal	04/10/2015
0001331976		PSX 700 CURE	1	gal	04/10/2015
0001331993		ARDEX FEATHER FINISH	10	lb	04/10/2015
0001331977		PSX 700 CURE	1	gal	04/10/2015
0001331978		PSX 700 CURE	1	gal	04/10/2015
0001331979		PSX 700 CURE	1	gal	04/10/2015
0001331182		PSX 700 CURE	1	gal	04/10/2015
0001332316		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332012		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332325		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332324		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332323		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332322		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332321		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332320		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332319		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332327		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332317		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332328		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332315		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332006		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	5	gal	04/10/2015
0001332007		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	5	gal	04/10/2015
0001331992		ARDEX FEATHER FINISH	10	lb	04/10/2015
0001332050		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001311038		NITRAVER-TEST-N-TUBE REAGENT HACH # 26053-45	100	ml	04/10/2015
0001311039		NITRAVER-TEST-N-TUBE REAGENT HACH # 26053-45	100	ml	04/10/2015
0001332163		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332318		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332003		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	5	gal	04/10/2015
0001332005		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	5	gal	04/10/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001332004		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	5	gal	04/10/2015
0001332336		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332337		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332338		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332339		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332340		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332095		WOOD FILLER	32	oz	04/10/2015
0001332326		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332097		WOOD FILLER	32	oz	04/10/2015
0001332011		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332002		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	5	gal	04/10/2015
0001332335		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332334		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332333		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332332		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332331		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332330		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332329		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332096		WOOD FILLER	32	oz	04/10/2015
0001332158		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332013		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332168		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332167		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332166		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332165		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332164		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332162		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332161		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332170		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332159		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332171		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332286		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332287		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332288		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332289		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332290		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332291		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332292		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332293		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332160		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332180		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332010		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332009		Acrylic Latex Caulk White	10.1	oz	04/10/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001311047		NITRAVER-TEST-N-TUBE REAGENT HACH # 26053-45	100	ml	04/10/2015
0001311046		NITRAVER-TEST-N-TUBE REAGENT HACH # 26053-45	100	ml	04/10/2015
0001311045		NITRAVER-TEST-N-TUBE REAGENT HACH # 26053-45	100	ml	04/10/2015
0001311044		NITRAVER-TEST-N-TUBE REAGENT HACH # 26053-45	100	ml	04/10/2015
0001311043		NITRAVER-TEST-N-TUBE REAGENT HACH # 26053-45	100	ml	04/10/2015
0001311042		NITRAVER-TEST-N-TUBE REAGENT HACH # 26053-45	100	ml	04/10/2015
0001332169		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001311040		NITRAVER-TEST-N-TUBE REAGENT HACH # 26053-45	100	ml	04/10/2015
0001332294		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332179		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332178		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332177		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332176		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332175		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332174		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332173		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332172		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001311041		NITRAVER-TEST-N-TUBE REAGENT HACH # 26053-45	100	ml	04/10/2015
0001332047		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332205		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332069		COLORTREND 808	1	qt	04/10/2015
0001332070		COLORTREND 808	1	qt	04/10/2015
0001332295		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332296		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332297		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332298		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332067		COLORTREND 808	1	qt	04/10/2015
0001332300		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332066		KRUD KUTTER CLEANER/DEGREASER	1	gal	04/10/2015
0001332046		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332094		100% SILICONE SEALANT	10.1	oz	04/10/2015
0001332211		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332210		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332209		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332208		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332207		VULKEM 116 BUFF	10.1	oz	04/10/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001332273		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332299		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332072		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	5	gal	04/10/2015
0001332181		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332271		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332270		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332269		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332268		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332267		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332075		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	5	gal	04/10/2015
0001332068		COLORTREND 808	1	qt	04/10/2015
0001332073		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	5	gal	04/10/2015
0001332204		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332071		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	5	gal	04/10/2015
0001332266		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332265		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332264		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332263		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332262		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332261		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332014		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332074		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	5	gal	04/10/2015
0001332084		100% SILICONE SEALANT	10.1	oz	04/10/2015
0001332206		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332092		100% SILICONE SEALANT	10.1	oz	04/10/2015
0001332091		100% SILICONE SEALANT	10.1	oz	04/10/2015
0001332090		100% SILICONE SEALANT	10.1	oz	04/10/2015
0001332089		100% SILICONE SEALANT	10.1	oz	04/10/2015
0001332088		100% SILICONE SEALANT	10.1	oz	04/10/2015
0001332087		100% SILICONE SEALANT	10.1	oz	04/10/2015
0001332056		PermAcryl Exterior Latex Enamel 1533	1	gal	04/10/2015
0001332085		100% SILICONE SEALANT	10.1	oz	04/10/2015
0001332055		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332083		100% SILICONE SEALANT	10.1	oz	04/10/2015
0001332188		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332187		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332186		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332185		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332184		VULKEM 116 BUFF	10.1	oz	04/10/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001332183		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332182		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332086		100% SILICONE SEALANT	10.1	oz	04/10/2015
0001332192		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332203		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332202		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332201		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332200		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332199		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332198		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332197		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332093		100% SILICONE SEALANT	10.1	oz	04/10/2015
0001332193		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332274		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332191		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332190		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332189		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332048		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332049		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332051		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332053		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332054		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332195		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332234		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332313		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332226		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332227		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332228		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332229		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332230		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332231		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332224		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332233		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332223		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332235		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332236		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332237		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332238		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332309		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332310		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332311		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332272		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332232		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332222		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332285		VULKEM 116 BUFF	10.1	oz	04/10/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001332284		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332283		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332282		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332281		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332025		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332024		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332225		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332221		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332314		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332301		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332302		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332303		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332304		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332305		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332306		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332307		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332308		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332052		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332017		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332312		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332214		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332213		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332212		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332022		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332021		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332020		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332216		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332018		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332217		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332016		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332015		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332280		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332279		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332278		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332277		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332276		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332275		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332019		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332081		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	5	gal	04/10/2015
0001332239		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332240		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332241		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332242		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332243		VULKEM 116 BUFF	10.1	oz	04/10/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001332244		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332245		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332215		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332082		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	5	gal	04/10/2015
0001332194		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332080		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	5	gal	04/10/2015
0001332079		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	5	gal	04/10/2015
0001332078		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	5	gal	04/10/2015
0001332077		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	5	gal	04/10/2015
0001332076		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	5	gal	04/10/2015
0001332220		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332219		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332218		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332023		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332255		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332144		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332143		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332142		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332141		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332065		KRUD KUTTER CLEANER/DEGREASER	1	gal	04/10/2015
0001332247		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332248		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332249		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332250		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332251		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332145		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332254		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332252		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332256		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332257		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332258		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332196		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001331176		PSX 700 PART A(RESIN)	5	gal	04/10/2015
0001331177		PSX 700 PART A(RESIN)	5	gal	04/10/2015
0001331178		PSX 700 PART A(RESIN)	5	gal	04/10/2015
0001331179		PSX 700 PART A(RESIN)	5	gal	04/10/2015
0001331180		PSX 700 PART A(RESIN)	5	gal	04/10/2015
0001331181		PSX 700 PART A(RESIN)	5	gal	04/10/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001332253		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332100		100% SILICONE SEALANT	9.8	oz	04/10/2015
0001332246		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332150		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332149		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332148		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332147		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332146		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332151		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332098		VULKEM 116 WHITE	10.1	oz	04/10/2015
0001332099		100% SILICONE SEALANT	9.8	oz	04/10/2015
0001332057		PermAcryl Exterior Latex Enamel 1533	1	gal	04/10/2015
0001332058		PermAcryl Exterior Latex Enamel 1533	1	gal	04/10/2015
0001332157		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332064		KRUD KUTTER CLEANER/DEGREASER	1	gal	04/10/2015
0001332063		COTE ALL MULTI-PURPOSE ENAMEL	1	gal	04/10/2015
0001332062		COTE ALL MULTI-PURPOSE ENAMEL	1	gal	04/10/2015
0001332061		COTE ALL MULTI-PURPOSE ENAMEL	1	gal	04/10/2015
0001332152		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332060		COTE ALL MULTI-PURPOSE ENAMEL	1	gal	04/10/2015
0001332059		COTE ALL MULTI-PURPOSE ENAMEL	1	gal	04/10/2015
0001332156		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332155		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332154		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332153		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001331988		LOCKTITE PL S10 POLYURETHANE MASONRY SEALANT	10	oz	04/10/2015
0001331986		LOCKTITE PL S10 POLYURETHANE MASONRY SEALANT	10	oz	04/10/2015
0001331985		LOCKTITE PL S10 POLYURETHANE MASONRY SEALANT	10	oz	04/10/2015
0001331984		LOCKTITE PL S10 POLYURETHANE MASONRY SEALANT	10	oz	04/10/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001331987		LOCKTITE PL S10 POLYURETHANE MASONRY SEALANT	10	oz	04/10/2015
0001331989		LOCKTITE PL S10 POLYURETHANE MASONRY SEALANT	10	oz	04/10/2015
0001331990		LOCKTITE PL S10 POLYURETHANE MASONRY SEALANT	10	oz	04/10/2015
0001331991		LOCKTITE PL S10 POLYURETHANE MASONRY SEALANT	10	oz	04/10/2015
0001332039		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001331983		LOCKTITE PL S10 POLYURETHANE MASONRY SEALANT	10	oz	04/10/2015
0001331981		LOCKTITE PL S10 POLYURETHANE MASONRY SEALANT	10	oz	04/10/2015
0001332041		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332031		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332040		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332129		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332126		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332042		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332043		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332044		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332045		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332026		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332027		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001331980		LOCKTITE PL S10 POLYURETHANE MASONRY SEALANT	10	oz	04/10/2015
0001332101		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332113		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332125		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332111		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332131		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332109		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332108		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332107		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332106		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332105		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332104		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332114		VULKEM 116 BUFF	10.1	oz	04/10/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001332102		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332112		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332038		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332037		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332036		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332035		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332034		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332033		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332028		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332259		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332260		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332029		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332030		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332103		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332124		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332140		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332139		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332138		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332137		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332136		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332135		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332134		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332133		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332132		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001331982		LOCTITE PL S10 POLYURETHANE MASONRY SEALANT	10	oz	04/10/2015
0001332130		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332128		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332110		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332032		Acrylic Latex Caulk White	10.1	oz	04/10/2015
0001332123		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332122		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332121		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332116		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332117		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332118		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332115		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332119		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332127		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001332120		VULKEM 116 BUFF	10.1	oz	04/10/2015
0001339455		NITRIC ACID 1.0N	1	l	04/13/2015
0001339484		M-BOND 200 ADHESIVE KIT	10	gm	04/13/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001339547		SPILFYTER FOR HAZARDOUS MATERIALS - MERCORBPOWDER	1	gal	04/13/2015
0001339480	1308-96-9	EUROPIUM OXIDE	1	kg	04/13/2015
0001339482		M-BOND 200 ADHESIVE KIT	10	gm	04/13/2015
0001339483		M-BOND 200 ADHESIVE KIT	10	gm	04/13/2015
0001381204		SILICONE	9.8	oz	04/13/2015
0001339485	75-05-8	ACETONITRILE	1	l	04/13/2015
0001339486	67-63-0	ISOPROPYL ALCOHOL	1	l	04/13/2015
0001339487	67-63-0	ISOPROPYL ALCOHOL	1	l	04/13/2015
0001339488	67-63-0	ISOPROPYL ALCOHOL	1	l	04/13/2015
0001339463	1310-73-2	SODIUM HYDROXIDE .1N	1	l	04/13/2015
0001339546		SPILFYTER FOR HAZARDOUS MATERIALS - MERCORBPOWDER	1	gal	04/13/2015
0001339489	67-63-0	ISOPROPYL ALCOHOL	1	l	04/13/2015
0001332343		ready mix concrete	50	lb	04/13/2015
0001332377		FANTASTIK SPRAY CLEAN	1	qt	04/13/2015
0001332351		ready mix concrete	50	lb	04/13/2015
0001332350		ready mix concrete	50	lb	04/13/2015
0001332349		ready mix concrete	50	lb	04/13/2015
0001332348		ready mix concrete	50	lb	04/13/2015
0001332407		FANTASTIK SPRAY CLEAN	1	qt	04/13/2015
0001339548		SPILFYTER FOR HAZARDOUS MATERIALS - MERCORBPOWDER	1	gal	04/13/2015
0001332346		ready mix concrete	50	lb	04/13/2015
0001381207		SILICONE	9.8	oz	04/13/2015
0001332392		FANTASTIK SPRAY CLEAN	1	qt	04/13/2015
0001339462	72909-34-3	PQQ	10	mg	04/13/2015
0001332341		ready mix concrete	50	lb	04/13/2015
0001332347		ready mix concrete	50	lb	04/13/2015
0001381206		SILICONE	9.8	oz	04/13/2015
0001381205		SILICONE	9.8	oz	04/13/2015
0001381202		rust-oleum stops rust gloss protective enamel	12	oz	04/13/2015
0001381201		rust-oleum stops rust gloss protective enamel	12	oz	04/13/2015
0001381200		rust-oleum stops rust gloss protective enamel	12	oz	04/13/2015
0001381199		rust-oleum stops rust gloss protective enamel	12	oz	04/13/2015
0001332345		ready mix concrete	50	lb	04/13/2015
0001332413		FANTASTIK SPRAY CLEAN	1	qt	04/13/2015
0001332404		FANTASTIK SPRAY CLEAN	1	qt	04/13/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001332405		FANTASTIK SPRAY CLEAN	1	qt	04/13/2015
0001332406		FANTASTIK SPRAY CLEAN	1	qt	04/13/2015
0001332408		FANTASTIK SPRAY CLEAN	1	qt	04/13/2015
0001332409		FANTASTIK SPRAY CLEAN	1	qt	04/13/2015
0001332410		FANTASTIK SPRAY CLEAN	1	qt	04/13/2015
0001331964	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	04/13/2015
0001332412		FANTASTIK SPRAY CLEAN	1	qt	04/13/2015
0001332376		FANTASTIK SPRAY CLEAN	1	qt	04/13/2015
0001332400		FANTASTIK SPRAY CLEAN	1	qt	04/13/2015
0001332401		FANTASTIK SPRAY CLEAN	1	qt	04/13/2015
0001332414		FANTASTIK SPRAY CLEAN	1	qt	04/13/2015
0001332415		FANTASTIK SPRAY CLEAN	1	qt	04/13/2015
0001332416		FANTASTIK SPRAY CLEAN	1	qt	04/13/2015
0001332417		FANTASTIK SPRAY CLEAN	1	qt	04/13/2015
0001332418		FANTASTIK SPRAY CLEAN	1	qt	04/13/2015
0001332411		FANTASTIK SPRAY CLEAN	1	qt	04/13/2015
0001331962	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	04/13/2015
0001339538		Neolube 1	8	oz	04/13/2015
0001339476	98-00-0	FURFURYL ALCOHOL	2.5	l	04/13/2015
0001339541	434-45-7	2,2,2-TRIFLUOROACETOPHENONE	25	gm	04/13/2015
0001339542	129322-83-4	2',4',5'-Trifluoroacetophenone	5	gm	04/13/2015
0001339543	129322-83-4	2',4',5'-Trifluoroacetophenone	5	gm	04/13/2015
0001339544	93-98-1	BENZANILIDE	100	gm	04/13/2015
0001339550	9003-05-8	POLYACRYLAMIDE	1	l	04/13/2015
0001332344		ready mix concrete	50	lb	04/13/2015
0001331961	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	04/13/2015
0001331963	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	04/13/2015
0001339477	67-64-1	ACETONE REAGENT ACS	1	l	04/13/2015
0001339478	13106-76-8	MOLYBDENUM PLASMA STANDARDS, 1,000 PPM, 10,000 PPM IN WATER	50	ml	04/13/2015
0001332402		FANTASTIK SPRAY CLEAN	1	qt	04/13/2015
0001339545	1189-93-1	1,1,3,3,5,5-HEXAMETHYLTRISILOXANE	10	ml	04/13/2015
0001332403		FANTASTIK SPRAY CLEAN	1	qt	04/13/2015
0001331965	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	04/13/2015
0001339549		SPILFYTER FOR HAZARDOUS MATERIALS - MERCORBPOWDER	1	gal	04/13/2015
0001331960	7732-18-5	Hydrochloric Acid 30-31%	3000	lb	04/13/2015
0001332393		FANTASTIK SPRAY CLEAN	1	qt	04/13/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001332420		FANTASTIK SPRAY CLEAN	1 qt		04/13/2015
0001332342		ready mix concrete	50 lb		04/13/2015
0001332389		FANTASTIK SPRAY CLEAN	1 qt		04/13/2015
0001332388		FANTASTIK SPRAY CLEAN	1 qt		04/13/2015
0001339457	1336-21-6	AMMONIUM HYDROXIDE	250 ml		04/13/2015
0001332379		FANTASTIK SPRAY CLEAN	1 qt		04/13/2015
0001339540	1693-74-9	TETRAHYDROFURAN-D8	10 ml		04/13/2015
0001332380		FANTASTIK SPRAY CLEAN	1 qt		04/13/2015
0001332394		FANTASTIK SPRAY CLEAN	1 qt		04/13/2015
0001339481		QC-21 MULTI STANDARD	100 ml		04/13/2015
0001339479		RUBIDIUM, STANDARD	50 ml		04/13/2015
0001332395		FANTASTIK SPRAY CLEAN	1 qt		04/13/2015
0001332396		FANTASTIK SPRAY CLEAN	1 qt		04/13/2015
0001339452		LIQUID EPOXY RESIN	1 gal		04/13/2015
0001339539	1693-74-9	TETRAHYDROFURAN-D8	10 ml		04/13/2015
0001332387		FANTASTIK SPRAY CLEAN	1 qt		04/13/2015
0001339453		LIQUID EPOXY RESIN	1 gal		04/13/2015
0001339454		LIQUID EPOXY RESIN	1 gal		04/13/2015
0001339456		BOROSILICATE SOLID-GLASS BEADS	10 gm		04/13/2015
0001339537		Neolube 1	8 oz		04/13/2015
0001332391		FANTASTIK SPRAY CLEAN	1 qt		04/13/2015
0001332378		FANTASTIK SPRAY CLEAN	1 qt		04/13/2015
0001332390		FANTASTIK SPRAY CLEAN	1 qt		04/13/2015
0001332360		ready mix concrete	50 lb		04/13/2015
0001332386		FANTASTIK SPRAY CLEAN	1 qt		04/13/2015
0001332385		FANTASTIK SPRAY CLEAN	1 qt		04/13/2015
0001332384		FANTASTIK SPRAY CLEAN	1 qt		04/13/2015
0001332383		FANTASTIK SPRAY CLEAN	1 qt		04/13/2015
0001332382		FANTASTIK SPRAY CLEAN	1 qt		04/13/2015
0001332381		FANTASTIK SPRAY CLEAN	1 qt		04/13/2015
0001332375		FANTASTIK SPRAY CLEAN	1 qt		04/13/2015
0001332367		FANTASTIK SPRAY CLEAN	1 qt		04/13/2015
0001332397		FANTASTIK SPRAY CLEAN	1 qt		04/13/2015
0001332355		ready mix concrete	50 lb		04/13/2015
0001332354		ready mix concrete	50 lb		04/13/2015
0001332353		ready mix concrete	50 lb		04/13/2015
0001332352		ready mix concrete	50 lb		04/13/2015
0001332364		FANTASTIK SPRAY CLEAN	1 qt		04/13/2015
0001339318	2628-17-3	4-VINYLPHENOL 10% SOLUTION IN PROPYLENE GLYCOL	5 gm		04/13/2015
0001332366		FANTASTIK SPRAY CLEAN	1 qt		04/13/2015
0001339536		B-PER BACTERIAL PROTEIN EXTRACTION REAGENT	500 ml		04/13/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001332368		FANTASTIK SPRAY CLEAN	1 qt		04/13/2015
0001332369		FANTASTIK SPRAY CLEAN	1 qt		04/13/2015
0001332370		FANTASTIK SPRAY CLEAN	1 qt		04/13/2015
0001332371		FANTASTIK SPRAY CLEAN	1 qt		04/13/2015
0001332372		FANTASTIK SPRAY CLEAN	1 qt		04/13/2015
0001332373		FANTASTIK SPRAY CLEAN	1 qt		04/13/2015
0001332374		FANTASTIK SPRAY CLEAN	1 qt		04/13/2015
0001332365		FANTASTIK SPRAY CLEAN	1 qt		04/13/2015
0001381203		rust-oleum stops rust gloss protective enamel	12 oz		04/13/2015
0001332361		FANTASTIK SPRAY CLEAN	1 qt		04/13/2015
0001332362		FANTASTIK SPRAY CLEAN	1 qt		04/13/2015
0001332363		FANTASTIK SPRAY CLEAN	1 qt		04/13/2015
0001332358		ready mix concrete	50 lb		04/13/2015
0001332357		ready mix concrete	50 lb		04/13/2015
0001332356		ready mix concrete	50 lb		04/13/2015
0001332398		FANTASTIK SPRAY CLEAN	1 qt		04/13/2015
0001332359		ready mix concrete	50 lb		04/13/2015
0001332399		FANTASTIK SPRAY CLEAN	1 qt		04/13/2015
0001339475	67-63-0	2-PROPANOL (2-PROPANOL, ANHYDROUS,ISOPROPANOL)	1 l		04/13/2015
0001339535	MULTI	FLUOREPORTER BIOTIN QUANTITATION ASSAY KIT	500 gm		04/13/2015
0001332419		FANTASTIK SPRAY CLEAN	1 qt		04/13/2015
0001339490		BLACK SILICONE ADHESIVE SEALANT	12.9 oz		04/14/2015
0001339491	6108-23-2	Lithium formate monohydrate	50 gm		04/14/2015
0001339606	7697-37-2	NITRIC ACID OPTIMA	2 l		04/14/2015
0001339607	7697-37-2	NITRIC ACID OPTIMA	2 l		04/14/2015
0001339519	7782-42-5	Single Layer Graphene Oxide	500 mg		04/14/2015
0001339584		FANTASTIKE ALL PURPOSE CLEANER	32 oz		04/14/2015
0001361427	2551-62-4	SULFUR HEXAFLUORIDE	220 cf		04/14/2015
0001361426	2551-62-4	SULFUR HEXAFLUORIDE	220 cf		04/14/2015
0001361425	2551-62-4	SULFUR HEXAFLUORIDE	220 cf		04/14/2015
0001361424	2551-62-4	SULFUR HEXAFLUORIDE	220 cf		04/14/2015
0001361423		Nitrogen 96%/Hydrogen 4%	150 cf		04/14/2015
0001361278		Nitrogen/Toluene	200 cf		04/14/2015
0001339528		DOUBLE BUBBLE PURPLE/BEIGE A85 PKG	350 gm		04/14/2015
0001339614	7697-37-2	NITRIC ACID OPTIMA	2 l		04/14/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001339527		DOUBLE BUBBLE PURPLE/BEIGE A85 PKG	350	gm	04/14/2015
0001339526		DOUBLE BUBBLE PURPLE/BEIGE A85 PKG	350	gm	04/14/2015
0001339525		DOUBLE BUBBLE PURPLE/BEIGE A85 PKG	350	gm	04/14/2015
0001339509	007697-37-2	NITRIC ACID	1	l	04/14/2015
0001339523		BUFFER PH 10 (BLUE BUFFER)	500	ml	04/14/2015
0001339608	7697-37-2	NITRIC ACID OPTIMA	2	l	04/14/2015
0001339583		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/14/2015
0001339574		IRON (II) OXIDE	5	gm	04/14/2015
0001339521	7782-42-5	Single Layer Graphene Oxide	500	mg	04/14/2015
0001339520	7782-42-5	Single Layer Graphene Oxide	500	mg	04/14/2015
0001339562		BLACK BEAUTY 50LB MEDIA BLAST	50	lb	04/14/2015
0001339510	007697-37-2	NITRIC ACID	1	l	04/14/2015
0001339492	1822-00-0	TRIMETHYLSILYLMETHYLLITHIUM	50	ml	04/14/2015
0001339508	007697-37-2	NITRIC ACID	1	l	04/14/2015
0001339507	007697-37-2	NITRIC ACID	1	l	04/14/2015
0001339506	007697-37-2	NITRIC ACID	1	l	04/14/2015
0001339609	7697-37-2	NITRIC ACID OPTIMA	2	l	04/14/2015
0001339524		DOUBLE BUBBLE PURPLE/BEIGE A85 PKG	350	gm	04/14/2015
0001339610	7697-37-2	NITRIC ACID OPTIMA	2	l	04/14/2015
0001339560		BLACK BEAUTY 50LB MEDIA BLAST	50	lb	04/14/2015
0001339568		BLACK BEAUTY 50LB MEDIA BLAST	50	lb	04/14/2015
0001339569		BLACK BEAUTY 50LB MEDIA BLAST	50	lb	04/14/2015
0001339570		BLACK BEAUTY 50LB MEDIA BLAST	50	lb	04/14/2015
0001339572	69227-93-6	n-DODECYL-?-D-MALTOPYRANOSIDE	25	gm	04/14/2015
0001339576	1013-88-3	BENZOPHENONE IMINE	5	gm	04/14/2015
0001339529	1309-48-4	MAGNESIUM OXIDE	100	gm	04/14/2015
0001339571	116183-64-3	n-DODECYL-a-D-MALTOPYRANOSIDE, ANAGRADE	5	gm	04/14/2015
0001339613	7697-37-2	NITRIC ACID OPTIMA	2	l	04/14/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001339604	7697-37-2	NITRIC ACID OPTIMA	2 l		04/14/2015
0001339611	7697-37-2	NITRIC ACID OPTIMA	2 l		04/14/2015
0001339566		BLACK BEAUTY 50LB MEDIA BLAST	50 lb		04/14/2015
0001339603	7697-37-2	NITRIC ACID OPTIMA	2 l		04/14/2015
0001339602	7697-37-2	NITRIC ACID OPTIMA	2 l		04/14/2015
0001339601	7697-37-2	NITRIC ACID OPTIMA	2 l		04/14/2015
0001339600	7697-37-2	NITRIC ACID OPTIMA	2 l		04/14/2015
0001339599	7697-37-2	NITRIC ACID OPTIMA	2 l		04/14/2015
0001339598	7697-37-2	NITRIC ACID OPTIMA	2 l		04/14/2015
0001339597	7697-37-2	NITRIC ACID OPTIMA	2 l		04/14/2015
0001339533		ICP-MS CALIBRATION STANDARD	125 ml		04/14/2015
0001339531		4929N SILVER COMPOSITION	100 gm		04/14/2015
0001339530		4929N SILVER COMPOSITION	100 gm		04/14/2015
0001339612	7697-37-2	NITRIC ACID OPTIMA	2 l		04/14/2015
0001339553		BLACK BEAUTY 50LB MEDIA BLAST	50 lb		04/14/2015
0001339494	67-56-1	METHANOL	4 l		04/14/2015
0001339495	67-56-1	METHANOL	4 l		04/14/2015
0001339496	67-56-1	METHANOL	4 l		04/14/2015
0001339497	67-56-1	METHANOL	4 l		04/14/2015
0001339498	67-56-1	METHANOL	4 l		04/14/2015
0001339499	67-56-1	METHANOL	4 l		04/14/2015
0001339582	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11 oz		04/14/2015
0001361228		2.9% Hydrogen/Bal. Helium	220 cf		04/14/2015
0001339605	7697-37-2	NITRIC ACID OPTIMA	2 l		04/14/2015
0001339567		BLACK BEAUTY 50LB MEDIA BLAST	50 lb		04/14/2015
0001339552		BLACK BEAUTY 50LB MEDIA BLAST	50 lb		04/14/2015
0001339493	67-56-1	METHANOL	4 l		04/14/2015
0001339554		BLACK BEAUTY 50LB MEDIA BLAST	50 lb		04/14/2015
0001339555		BLACK BEAUTY 50LB MEDIA BLAST	50 lb		04/14/2015
0001339556		BLACK BEAUTY 50LB MEDIA BLAST	50 lb		04/14/2015
0001339557		BLACK BEAUTY 50LB MEDIA BLAST	50 lb		04/14/2015
0001339558		BLACK BEAUTY 50LB MEDIA BLAST	50 lb		04/14/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001339559		BLACK BEAUTY 50LB MEDIA BLAST	50	lb	04/14/2015
0001339561		BLACK BEAUTY 50LB MEDIA BLAST	50	lb	04/14/2015
0001339563		BLACK BEAUTY 50LB MEDIA BLAST	50	lb	04/14/2015
0001339564		BLACK BEAUTY 50LB MEDIA BLAST	50	lb	04/14/2015
0001339565		BLACK BEAUTY 50LB MEDIA BLAST	50	lb	04/14/2015
0001339551		BLACK BEAUTY 50LB MEDIA BLAST	50	lb	04/14/2015
0001361219		1000ppm Hydrogen/Bal. Helium	220	cf	04/14/2015
0001361434	2551-62-4	SULFUR HEXAFLUORIDE	220	cf	04/14/2015
0001361214		NITROGEN DIOXIDE 10PPM BALANCE AIR	34	l	04/14/2015
0001339580	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/14/2015
0001361216		NITROGEN DIOXIDE 10PPM BALANCE AIR	34	l	04/14/2015
0001361217		SULFUR DIOXIDE 10PPM/ BAL. AIR	34	l	04/14/2015
0001361218		SULFUR DIOXIDE 10PPM/ BAL. AIR	34	l	04/14/2015
0001361227	7440-59-7	HELIUM	250	l	04/14/2015
0001361229		4.94ppm Carbon Monoxide/Bal. Hydrogen	150	cf	04/14/2015
0001361230	74-98-6	PROPANE	11	gal	04/14/2015
0001361231	74-98-6	PROPANE	11	gal	04/14/2015
0001339511		INSULATING VARNISH	1	pt	04/14/2015
0001361212		SULFUR DIOXIDE 10PPM/ BAL. AIR	100	l	04/14/2015
0001361432	2551-62-4	SULFUR HEXAFLUORIDE	220	cf	04/14/2015
0001361211		SULFUR DIOXIDE 10PPM/ BAL. AIR	100	l	04/14/2015
0001339594		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/14/2015
0001339593		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/14/2015
0001339592		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/14/2015
0001339591		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/14/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001339590		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/14/2015
0001339589		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/14/2015
0001339588		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/14/2015
0001339587		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/14/2015
0001339586		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/14/2015
0001339585		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/14/2015
0001361239	74-98-6	PROPANE	11	gal	04/14/2015
0001361431	2551-62-4	SULFUR HEXAFLUORIDE	220	cf	04/14/2015
0001339512		INSULATING VARNISH	1	pt	04/14/2015
0001361238	74-98-6	PROPANE	11	gal	04/14/2015
0001361237	74-98-6	PROPANE	11	gal	04/14/2015
0001361236	74-98-6	PROPANE	11	gal	04/14/2015
0001361235	74-98-6	PROPANE	11	gal	04/14/2015
0001361234	74-98-6	PROPANE	11	gal	04/14/2015
0001361233	74-98-6	PROPANE	11	gal	04/14/2015
0001361232	74-98-6	PROPANE	11	gal	04/14/2015
0001361428	2551-62-4	SULFUR HEXAFLUORIDE	220	cf	04/14/2015
0001361429	2551-62-4	SULFUR HEXAFLUORIDE	220	cf	04/14/2015
0001361430	2551-62-4	SULFUR HEXAFLUORIDE	220	cf	04/14/2015
0001361245	74-86-2	ACETYLENE	40	lb	04/14/2015
0001361226	7440-59-7	HELIUM	100	l	04/14/2015
0001339513		INSULATING VARNISH	1	pt	04/14/2015
0001361435	2551-62-4	SULFUR HEXAFLUORIDE	220	cf	04/14/2015
0001339500	67-56-1	METHANOL	4	l	04/14/2015
0001339503	64-18-6	FORMIC ACID	10	ml	04/14/2015
0001339504	64-18-6	FORMIC ACID	10	ml	04/14/2015
0001339505	64-18-6	FORMIC ACID	10	ml	04/14/2015
0001361204		548.9 ppm Water/Bal. Air	150	cf	04/14/2015
0001361205		548.9 ppm Water/Bal. Air	150	cf	04/14/2015
0001361206		548.9 ppm Water/Bal. Air	150	cf	04/14/2015
0001361207		Nitrogen Dioxide 10 ppm/Bal Air	100	l	04/14/2015
0001361208		Nitrogen Dioxide 10 ppm/Bal Air	100	l	04/14/2015
0001361209		Nitrogen Dioxide 10 ppm/Bal Air	100	l	04/14/2015
0001361210		Nitrogen Dioxide 10 ppm/Bal Air	100	l	04/14/2015
0001339514		INSULATING VARNISH	1	pt	04/14/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001361445	7727-37-9	NITROGEN	220	cf	04/14/2015
0001361433	2551-62-4	SULFUR HEXAFLUORIDE	220	cf	04/14/2015
0001361254		P-10	220	cf	04/14/2015
0001361253		P-10	220	cf	04/14/2015
0001361252		P-10	220	cf	04/14/2015
0001361251		P-10	220	cf	04/14/2015
0001361250		P-10	220	cf	04/14/2015
0001361249		P-10	220	cf	04/14/2015
0001361248		P-10	220	cf	04/14/2015
0001361247	74-86-2	ACETYLENE	40	lb	04/14/2015
0001361246	74-86-2	ACETYLENE	40	lb	04/14/2015
0001361442	7727-37-9	NITROGEN	220	cf	04/14/2015
0001361256		P-10	220	cf	04/14/2015
0001361444	7727-37-9	NITROGEN	220	cf	04/14/2015
0001361257		P-10	220	cf	04/14/2015
0001361446	7727-37-9	NITROGEN	220	cf	04/14/2015
0001361447	7727-37-9	NITROGEN	220	cf	04/14/2015
0001361448	7727-37-9	NITROGEN	220	cf	04/14/2015
0001361449	7727-37-9	NITROGEN	220	cf	04/14/2015
0001361450	7727-37-9	NITROGEN	220	cf	04/14/2015
0001361451	7727-37-9	NITROGEN	220	cf	04/14/2015
0001361452	7727-37-9	NITROGEN	220	cf	04/14/2015
0001361453	7727-37-9	NITROGEN	220	cf	04/14/2015
0001361454	7727-37-9	NITROGEN	220	cf	04/14/2015
0001361455	7727-37-9	NITROGEN	220	cf	04/14/2015
0001361456	7727-37-9	NITROGEN	220	cf	04/14/2015
0001361443	7727-37-9	NITROGEN	220	cf	04/14/2015
0001361269		P-10	220	cf	04/14/2015
0001361436	2551-62-4	SULFUR HEXAFLUORIDE	220	cf	04/14/2015
0001361437	2551-62-4	SULFUR HEXAFLUORIDE	220	cf	04/14/2015
0001361438	2551-62-4	SULFUR HEXAFLUORIDE	220	cf	04/14/2015
0001361439	7727-37-9	NITROGEN	220	cf	04/14/2015
0001361440	7727-37-9	NITROGEN	220	cf	04/14/2015
0001339573	19524-06-2	4-BROMOPYRIDINE HYDROCHLORIDE	5	gm	04/14/2015
0001361441	7727-37-9	NITROGEN	220	cf	04/14/2015
0001361275		P-10	220	cf	04/14/2015
0001361274		P-10	220	cf	04/14/2015
0001361273		P-10	220	cf	04/14/2015
0001361272		P-10	220	cf	04/14/2015
0001361255		P-10	220	cf	04/14/2015
0001361270		P-10	220	cf	04/14/2015
0001361213		NITROGEN DIOXIDE 10PPM BALANCE AIR	34	l	04/14/2015
0001361268		P-10	220	cf	04/14/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001361267		P-10	220	cf	04/14/2015
0001361266		P-10	220	cf	04/14/2015
0001361265		P-10	220	cf	04/14/2015
0001361264		P-10	220	cf	04/14/2015
0001361263		P-10	220	cf	04/14/2015
0001361262		P-10	220	cf	04/14/2015
0001361261		P-10	220	cf	04/14/2015
0001361260		P-10	220	cf	04/14/2015
0001361259		P-10	220	cf	04/14/2015
0001361258		P-10	220	cf	04/14/2015
0001361271		P-10	220	cf	04/14/2015
0001339516	7722-84-1	HYDROGEN PEROXIDE,30%	500	ml	04/14/2015
0001361225	7440-59-7	HELIUM	100	l	04/14/2015
0001361224	7440-59-7	HELIUM	100	l	04/14/2015
0001361223	7440-59-7	HELIUM	100	l	04/14/2015
0001361222	7440-59-7	HELIUM	100	l	04/14/2015
0001361220	7440-59-7	HELIUM	100	l	04/14/2015
0001339517	7722-84-1	HYDROGEN PEROXIDE,30%	500	ml	04/14/2015
0001339579	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/14/2015
0001361221	7440-59-7	HELIUM	100	l	04/14/2015
0001339515	7722-84-1	HYDROGEN PEROXIDE,30%	500	ml	04/14/2015
0001361244	74-98-6	PROPANE	11	gal	04/14/2015
0001361243	74-98-6	PROPANE	11	gal	04/14/2015
0001361242	74-98-6	PROPANE	11	gal	04/14/2015
0001339581	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/14/2015
0001339575	1309-37-1	IRON (III) OXIDE	5	gm	04/14/2015
0001339578	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/14/2015
0001339518	67-64-1	ACETONE FOR HPLC	4	l	04/14/2015
0001361240	74-98-6	PROPANE	11	gal	04/14/2015
0001361215		NITROGEN DIOXIDE 10PPM BALANCE AIR	34	l	04/14/2015
0001361241	74-98-6	PROPANE	11	gal	04/14/2015
0001339522		VACUUM GREASE	5.3	oz	04/14/2015
0001339577	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	04/14/2015
0001339619		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/14/2015
0001339616	407-25-0	TRIFLUOROACETIC ANHYDRIDE	100	gm	04/14/2015
0001339618	6080-56-4	LEAD ACETATE TRIHYDRATE	100	gm	04/14/2015
0001339620		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/14/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001339621		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/14/2015
0001361470	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/14/2015
0001339617	15077-13-1	Formic acid triethylamine complex 5:2	50	ml	04/14/2015
0001361468	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/14/2015
0001361472	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/14/2015
0001361480	811-97-2	AIR	220	cf	04/14/2015
0001361479	811-97-2	AIR	220	cf	04/14/2015
0001361478	811-97-2	AIR	220	cf	04/14/2015
0001361477	811-97-2	AIR	220	cf	04/14/2015
0001361476	811-97-2	AIR	220	cf	04/14/2015
0001361475	811-97-2	AIR	220	cf	04/14/2015
0001361474	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/14/2015
0001361473	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/14/2015
0001361471	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/14/2015
0001361482	811-97-2	AIR	220	cf	04/14/2015
0001361469	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/14/2015
0001361483	811-97-2	AIR	220	cf	04/14/2015
0001361467	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/14/2015
0001361466	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/14/2015
0001361465	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/14/2015
0001361277		P-10	220	cf	04/14/2015
0001361276		P-10	220	cf	04/14/2015
0001339633	108-88-3	TOLUENE	4	l	04/14/2015
0001339634	108-88-3	TOLUENE	4	l	04/14/2015
0001339534	1693-74-9	TETRAHYDROFURAN-D8	10	ml	04/14/2015
0001339595	68-12-2	N,N-DIMETHYLFORMAMIDE	1	l	04/14/2015
0001339596	68-12-2	N,N-DIMETHYLFORMAMIDE	1	l	04/14/2015
0001339622		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/14/2015
0001361494	7440-59-7	HELIUM, ULTRA HIGH PURITY	220	cf	04/14/2015
0001339624		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/14/2015
0001339625		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/14/2015
0001339626		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/14/2015
0001339627		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/14/2015
0001339628		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/14/2015
0001339629		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/14/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001339630		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/14/2015
0001339631	108-88-3	TOLUENE	4	l	04/14/2015
0001339632	108-88-3	TOLUENE	4	l	04/14/2015
0001361497	7440-59-7	HELIUM, ULTRA HIGH PURITY	220	cf	04/14/2015
0001361481	811-97-2	AIR	220	cf	04/14/2015
0001361495	7440-59-7	HELIUM, ULTRA HIGH PURITY	220	cf	04/14/2015
0001339623		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/14/2015
0001361493	7440-59-7	HELIUM, ULTRA HIGH PURITY	220	cf	04/14/2015
0001361492	7440-59-7	HELIUM, ULTRA HIGH PURITY	220	cf	04/14/2015
0001361491	7440-59-7	HELIUM, ULTRA HIGH PURITY	220	cf	04/14/2015
0001361490		Argon 75%, Carbon Dioxide 25%	220	cf	04/14/2015
0001361489		Argon 75%, Carbon Dioxide 25%	220	cf	04/14/2015
0001361488		Argon 75%, Carbon Dioxide 25%	220	cf	04/14/2015
0001361487		Argon 75%, Carbon Dioxide 25%	220	cf	04/14/2015
0001361486	811-97-2	AIR	220	cf	04/14/2015
0001361485	811-97-2	AIR	220	cf	04/14/2015
0001361484	811-97-2	AIR	220	cf	04/14/2015
0001361496	7440-59-7	HELIUM, ULTRA HIGH PURITY	220	cf	04/14/2015
0001361461	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/14/2015
0001361464	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/14/2015
0001361457	7727-37-9	NITROGEN	220	cf	04/14/2015
0001361458	7727-37-9	NITROGEN	220	cf	04/14/2015
0001361460	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/14/2015
0001361462	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/14/2015
0001361463	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/14/2015
0001361459	7727-37-9	NITROGEN	220	cf	04/14/2015
0001332443		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332473		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332599		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332444		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332472		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332521		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332520		CONTACT CLEANER 2000	13	oz	04/15/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001332519		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332518		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332445		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332523		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332545		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332546		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332547		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332548		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332526		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332474		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332524		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332475		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332522		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332479		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332478		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332477		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332476		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332515		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332525		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332428		concrete bonding glue	1	gal	04/15/2015
0001332426		Easysand 45	18	lb	04/15/2015
0001332438		concrete bonding glue	1	gal	04/15/2015
0001332437		concrete bonding glue	1	gal	04/15/2015
0001332436		concrete bonding glue	1	gal	04/15/2015
0001332435		concrete bonding glue	1	gal	04/15/2015
0001332434		concrete bonding glue	1	gal	04/15/2015
0001332433		concrete bonding glue	1	gal	04/15/2015
0001332432		concrete bonding glue	1	gal	04/15/2015
0001332431		concrete bonding glue	1	gal	04/15/2015
0001332430		concrete bonding glue	1	gal	04/15/2015
0001311048		404EU All-Purpose Lubricant and Sealant	5	oz	04/15/2015
0001311049		404EU All-Purpose Lubricant and Sealant	5	oz	04/15/2015
0001332517		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332429		concrete bonding glue	1	gal	04/15/2015
0001332516		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332427		concrete bonding glue	1	gal	04/15/2015
0001332421		ready mix concrete	60	lb	04/15/2015
0001332422		ready mix concrete	60	lb	04/15/2015
0001332423		ready mix concrete	60	lb	04/15/2015
0001332483		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332537		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332596		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332544		CONTACT CLEANER 2000	13	oz	04/15/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001332597		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332482		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332513		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332598		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332514		CONTACT CLEANER 2000	13	oz	04/15/2015
0001311050		404EU All-Purpose Lubricant and Sealant	5	oz	04/15/2015
0001332627		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332621		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332622		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332623		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332624		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332625		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332539		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332595		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332452		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332628		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332629		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332630		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332631		CONTACT CLEANER 2000	13	oz	04/15/2015
0001311051		404EU All-Purpose Lubricant and Sealant	5	oz	04/15/2015
0001311052		404EU All-Purpose Lubricant and Sealant	5	oz	04/15/2015
0001332626		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332613		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332454		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332453		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332607		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332608		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332609		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332610		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332620		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332612		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332619		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332614		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332615		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332616		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332617		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332618		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332593		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332611		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332536		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332529		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332531		CONTACT CLEANER 2000	13	oz	04/15/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001332532		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332533		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332534		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332424		EASYSAND 20	18	lb	04/15/2015
0001332528		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332535		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332606		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332600		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332538		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332601		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332540		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332541		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332542		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332425		EASYSAND 20	18	lb	04/15/2015
0001311059		404EU All-Purpose Lubricant and Sealant	5	oz	04/15/2015
0001332543		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332530		CONTACT CLEANER 2000	13	oz	04/15/2015
0001311053		404EU All-Purpose Lubricant and Sealant	5	oz	04/15/2015
0001311054		404EU All-Purpose Lubricant and Sealant	5	oz	04/15/2015
0001311055		404EU All-Purpose Lubricant and Sealant	5	oz	04/15/2015
0001311056		404EU All-Purpose Lubricant and Sealant	5	oz	04/15/2015
0001332527		CONTACT CLEANER 2000	13	oz	04/15/2015
0001311058		404EU All-Purpose Lubricant and Sealant	5	oz	04/15/2015
0001332594		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332481		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332480		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332592		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332591		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332590		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332589		CONTACT CLEANER 2000	13	oz	04/15/2015
0001311057		404EU All-Purpose Lubricant and Sealant	5	oz	04/15/2015
0001332562		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332574		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332504		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332503		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332573		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332572		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332571		CONTACT CLEANER 2000	13	oz	04/15/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001332446		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332569		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332567		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332566		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332565		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332499		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332563		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332577		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332502		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332561		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332560		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332559		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332558		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332557		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332556		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332555		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332554		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332501		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332500		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332564		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332505		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332512		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332511		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332510		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332509		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332508		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332507		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332506		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332635		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332634		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332633		CONTACT CLEANER 2000	13	oz	04/15/2015
0001339811		Dissolved Oxygen 3 Powder Pillows	100	reactions	04/15/2015
0001332575		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332632		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332576		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332588		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332587		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332586		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332585		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332584		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332583		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332582		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332581		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332580		CONTACT CLEANER 2000	13	oz	04/15/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001332579		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332578		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332568		CONTACT CLEANER 2000	13	oz	04/15/2015
0001339810		Dissolved Oxygen 3 Powder Pillows	100	reactions	04/15/2015
0001339809		Dissolved Oxygen 3 Powder Pillows	100	reactions	04/15/2015
0001332604		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332451		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332450		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332449		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332448		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332447		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332605		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332550		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332484		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332485		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332549		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332486		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332603		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332602		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332498		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332570		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332551		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332494		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332497		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332496		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332495		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332493		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332492		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332491		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332490		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332489		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332440		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332487		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332553		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332488		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332552		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332439		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332442		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332441		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332458		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332455		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332471		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332456		CONTACT CLEANER 2000	13	oz	04/15/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001332470		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332469		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332468		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332467		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332457		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332462		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332459		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332460		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332461		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332465		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332464		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332463		CONTACT CLEANER 2000	13	oz	04/15/2015
0001332466		CONTACT CLEANER 2000	13	oz	04/15/2015
0001339532	115-86-6	TRIPHENYL PHOSPHATE	1000	gm	04/16/2015
0001339680	1336-21-6	AMMONIUM HYDROXIDE	500	ml	04/16/2015
0001339658		BLACK BEAUTY 50LB MEDIA BLAST	50	lb	04/16/2015
0001339659		BLACK BEAUTY 50LB MEDIA BLAST	50	lb	04/16/2015
0001339660		BLACK BEAUTY 50LB MEDIA BLAST	50	lb	04/16/2015
0001339661		BLACK BEAUTY 50LB MEDIA BLAST	50	lb	04/16/2015
0001339635		SIERRA ANTIFREEZE COOLANT	1	gal	04/16/2015
0001339663		BLACK BEAUTY 50LB MEDIA BLAST	50	lb	04/16/2015
0001339834	67-63-0	ISOPROPYL ALCOHOL	4	l	04/16/2015
0001339664		BLACK BEAUTY 50LB MEDIA BLAST	50	lb	04/16/2015
0001339665		BLACK BEAUTY 50LB MEDIA BLAST	50	lb	04/16/2015
0001339666		BLACK BEAUTY 50LB MEDIA BLAST	50	lb	04/16/2015
0001339662		BLACK BEAUTY 50LB MEDIA BLAST	50	lb	04/16/2015
0001339653		BLACK BEAUTY 50LB MEDIA BLAST	50	lb	04/16/2015
0001339636		SIERRA ANTIFREEZE COOLANT	1	gal	04/16/2015
0001339682	1336-21-6	AMMONIUM HYDROXIDE	500	ml	04/16/2015
0001339638		SIERRA ANTIFREEZE COOLANT	1	gal	04/16/2015
0001339639		SIERRA ANTIFREEZE COOLANT	1	gal	04/16/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001339681	1336-21-6	AMMONIUM HYDROXIDE	500	ml	04/16/2015
0001332636		ready mix concrete	60	lb	04/16/2015
0001339654		BLACK BEAUTY 50LB MEDIA BLAST	50	lb	04/16/2015
0001339657		BLACK BEAUTY 50LB MEDIA BLAST	50	lb	04/16/2015
0001339656		BLACK BEAUTY 50LB MEDIA BLAST	50	lb	04/16/2015
0001339655		BLACK BEAUTY 50LB MEDIA BLAST	50	lb	04/16/2015
0001339667	1313-84-4	SODIUM SULFIDE, NONAHYDRATE	500	gm	04/16/2015
0001332639		ready mix concrete	60	lb	04/16/2015
0001339652		BLACK BEAUTY 50LB MEDIA BLAST	50	lb	04/16/2015
0001339637		SIERRA ANTIFREEZE COOLANT	1	gal	04/16/2015
0001331966	1325550-068	N-[(RS)-3-Hydroxybutyryl]-L-homoserine lactone	5	mg	04/16/2015
0001332637		ready mix concrete	60	lb	04/16/2015
0001339823	111-65-9	OCTANE (OCTANE, ANHYDROUS)	1	lb	04/16/2015
0001331971	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	04/16/2015
0001339824	111-65-9	OCTANE (OCTANE, ANHYDROUS)	1	lb	04/16/2015
0001339670	67-64-1	ACETONE	4	l	04/16/2015
0001339728		MAGNESIUM STANDARD	50	ml	04/16/2015
0001339718	13478-00-7	NICKEL(II) NITRATE HEXAHYDRATE	50	gm	04/16/2015
0001339671	67-64-1	ACETONE	4	l	04/16/2015
0001332644		ready mix concrete	60	lb	04/16/2015
0001332645		ready mix concrete	60	lb	04/16/2015
0001332646		ready mix concrete	60	lb	04/16/2015
0001332647		ready mix concrete	60	lb	04/16/2015
0001332648		ready mix concrete	60	lb	04/16/2015
0001332638		ready mix concrete	60	lb	04/16/2015
0001339829	67-63-0	2-PROPANOL	4	l	04/16/2015
0001339812	64-17-5	ETHYL ALCOHOL 200 PROOF	5	gal	04/16/2015
0001339669	67-64-1	ACETONE	4	l	04/16/2015
0001339679	1336-21-6	AMMONIUM HYDROXIDE	500	ml	04/16/2015
0001339833	7646-79-9	COBALT CHLORIDE	5	lb	04/16/2015
0001339832	7646-79-9	COBALT CHLORIDE	5	lb	04/16/2015
0001332649		ready mix concrete	60	lb	04/16/2015
0001339830	7646-79-9	COBALT CHLORIDE	5	lb	04/16/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001339825	111-65-9	OCTANE (OCTANE, ANHYDROUS)	1	lb	04/16/2015
0001339828	67-63-0	2-PROPANOL	4	l	04/16/2015
0001339827	67-63-0	2-PROPANOL	4	l	04/16/2015
0001339826	67-63-0	2-PROPANOL	4	l	04/16/2015
0001332650		ready mix concrete	60	lb	04/16/2015
0001332640		ready mix concrete	60	lb	04/16/2015
0001339668	67-64-1	ACETONE	4	l	04/16/2015
0001339831	7646-79-9	COBALT CHLORIDE	5	lb	04/16/2015
0001339707		MOLD RELEASE	12	oz	04/16/2015
0001339720	7722-76-1	AMMONIUM PHOSPHATE, MONOBASIC CRYSTAL	500	gm	04/16/2015
0001339758	1455-13-6	METHYL ALCOHOL D	50	gm	04/16/2015
0001339759	1455-13-6	METHYL ALCOHOL D	50	gm	04/16/2015
0001339760	1455-13-6	METHYL ALCOHOL D	50	gm	04/16/2015
0001339761	1455-13-6	METHYL ALCOHOL D	50	gm	04/16/2015
0001339762	1455-13-6	METHYL ALCOHOL D	50	gm	04/16/2015
0001339763	1455-13-6	METHYL ALCOHOL D	50	gm	04/16/2015
0001339764	1455-13-6	METHYL ALCOHOL D	50	gm	04/16/2015
0001339765	1455-13-6	METHYL ALCOHOL D	50	gm	04/16/2015
0001339766	1455-13-6	METHYL ALCOHOL D	50	gm	04/16/2015
0001311064		TRU-BLU VIBRATION RESISTANT THREAD SEALANT	4	oz	04/16/2015
0001339756	1455-13-6	METHYL ALCOHOL D	50	gm	04/16/2015
0001311066		REGULAR PASTE FLUX	16	oz	04/16/2015
0001339755	1455-13-6	METHYL ALCOHOL D	50	gm	04/16/2015
0001339687	1608-26-0	HEXAMETHYLPHOSPHOROUS TRIAMIDE (HPMT)	25	gm	04/16/2015
0001339732	88-05-1	2,4,6-TRIMETHYLANILINE	100	gm	04/16/2015
0001339640	67-64-1	ACETONE	4	l	04/16/2015
0001331973	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	04/16/2015
0001339641	108-88-3	TOLUENE	4	l	04/16/2015
0001191551		ULTIMA GOLD AB	5	l	04/16/2015
0001332686		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/16/2015
0001332687		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/16/2015
0001332688		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/16/2015
0001332689		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/16/2015
0001332690		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/16/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001332691		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/16/2015
0001311065		REGULAR PASTE FLUX	16	oz	04/16/2015
0001339817	350-92-5	1,1,1-Trifluoro-3-phenyl-2-propanone	5	gm	04/16/2015
0001339721		HARDMAN EXTRA-FAST SETTING EPOXY KIT	4	gm	04/16/2015
0001339722		HARDMAN EXTRA-FAST SETTING EPOXY KIT	4	gm	04/16/2015
0001339723		ALUMINUM PLASMA STANDARD	50	ml	04/16/2015
0001339724		BARIUM PLASMA STANDARD	50	ml	04/16/2015
0001339725	7440-70-2	CALCIUM STANDARD SOLUTION	50	ml	04/16/2015
0001339726		CHROMIUM PLASMA STANDARD	50	ml	04/16/2015
0001339727		COPPER STANDARD SOLUTION	100	ml	04/16/2015
0001332698		CONTACT CLEANER 2000	1	qt	04/16/2015
0001332697		CONTACT CLEANER 2000	13	oz	04/16/2015
0001332696		CONTACT CLEANER 2000	13	oz	04/16/2015
0001332695		CONTACT CLEANER 2000	13	oz	04/16/2015
0001339757	1455-13-6	METHYL ALCOHOL D	50	gm	04/16/2015
0001339818	16646-44-9	Glyoxal bis(diallyl acetal)	50	ml	04/16/2015
0001339688	7697-37-2	NITRIC ACID, TRACEMETAL	500	ml	04/16/2015
0001339816	652-29-9	2',3',4',5',6'-Pentafluoroacetophenone	10	gm	04/16/2015
0001339815	434-45-7	2,2,2-TRIFLUOROACETOPHENONE	25	gm	04/16/2015
0001339814	129322-83-4	2',4',5'-Trifluoroacetophenone	5	gm	04/16/2015
0001331969		NALCO 1720 OXYGEN SCAVENGER SOLUTION	528	lb	04/16/2015
0001331974	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	04/16/2015
0001331972	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	04/16/2015
0001331970	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	04/16/2015
0001331968		sodium hypochlorite 12.5%-15%	330	gal	04/16/2015
0001339820		n-Nonyl Beta-maltoside	25	gm	04/16/2015
0001339752	1455-13-6	METHYL ALCOHOL D	50	gm	04/16/2015
0001339753	1455-13-6	METHYL ALCOHOL D	50	gm	04/16/2015
0001339754	1455-13-6	METHYL ALCOHOL D	50	gm	04/16/2015
0001339819	9002-93-1	Triton X-100	100	ml	04/16/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001339676	10045-94-0	MERCURIC NITRATE SOLUTIONS (0.01-0.2 N)	100	ml	04/16/2015
0001339771	1455-13-6	METHYL ALCOHOL D	50	gm	04/16/2015
0001339770	1455-13-6	METHYL ALCOHOL D	50	gm	04/16/2015
0001339769	1455-13-6	METHYL ALCOHOL D	50	gm	04/16/2015
0001339729	1344-28-1	ALUMINA, BASIC	500	gm	04/16/2015
0001332642		ready mix concrete	60	lb	04/16/2015
0001339709	101-68-8	Smooth-Cast 305	1.9	lb	04/16/2015
0001332643		ready mix concrete	60	lb	04/16/2015
0001339808	10045-94-0	MERCURIC NITRATE SOLUTIONS (0.01-0.2 N)	100	ml	04/16/2015
0001339807	10045-94-0	MERCURIC NITRATE SOLUTIONS (0.01-0.2 N)	100	ml	04/16/2015
0001339806	10045-94-0	MERCURIC NITRATE SOLUTIONS (0.01-0.2 N)	100	ml	04/16/2015
0001339805	10045-94-0	MERCURIC NITRATE SOLUTIONS (0.01-0.2 N)	100	ml	04/16/2015
0001332692		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/16/2015
0001339677	10045-94-0	MERCURIC NITRATE SOLUTIONS (0.01-0.2 N)	100	ml	04/16/2015
0001339774	1455-13-6	METHYL ALCOHOL D	50	gm	04/16/2015
0001339675	10045-94-0	MERCURIC NITRATE SOLUTIONS (0.01-0.2 N)	100	ml	04/16/2015
0001339674	10045-94-0	MERCURIC NITRATE SOLUTIONS (0.01-0.2 N)	100	ml	04/16/2015
0001339673	10045-94-0	MERCURIC NITRATE SOLUTIONS (0.01-0.2 N)	100	ml	04/16/2015
0001339734		BOROSILICATE SOLID-GLASS BEADS	1	lb	04/16/2015
0001339733	12125-01-8	AMMONIUM FLUORIDE	500	gm	04/16/2015
0001311080		PURPLE PRIMER	32	oz	04/16/2015
0001311079		PURPLE PRIMER	32	oz	04/16/2015
0001311078		PURPLE PRIMER	32	oz	04/16/2015
0001311077		PURPLE PRIMER	32	oz	04/16/2015
0001311076		CLEAR PVC CEMENT CONDUIT SOLVENT	32	oz	04/16/2015
0001311075		CLEAR PVC CEMENT CONDUIT SOLVENT	32	oz	04/16/2015
0001311074		CLEAR PVC CEMENT CONDUIT SOLVENT	32	oz	04/16/2015
0001339678	10045-94-0	MERCURIC NITRATE SOLUTIONS (0.01-0.2 N)	100	ml	04/16/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001311062		TRU-BLU VIBRATION RESISTANT THREAD SEALANT	1	pt	04/16/2015
0001339751	1455-13-6	METHYL ALCOHOL D	50	gm	04/16/2015
0001339689	7697-37-2	NITRIC ACID, TRACEMETAL	500	ml	04/16/2015
0001339690	7697-37-2	NITRIC ACID, TRACEMETAL	500	ml	04/16/2015
0001339691	7697-37-2	NITRIC ACID, TRACEMETAL	500	ml	04/16/2015
0001339692		LOCTITE E-60NC EPOXY POTTING COMPOUND	50	ml	04/16/2015
0001339693		LOCTITE E-60NC EPOXY POTTING COMPOUND	50	ml	04/16/2015
0001339694		LOCTITE E-60NC EPOXY POTTING COMPOUND	50	ml	04/16/2015
0001339695		LOCTITE E-60NC EPOXY POTTING COMPOUND	50	ml	04/16/2015
0001339731	1310-58-3	POTASSIUM HYDROXIDE	5	kg	04/16/2015
0001339672		EPON 828	1	gal	04/16/2015
0001059222		ROSIN FLUX PEN	10	ml	04/16/2015
0001339768	1455-13-6	METHYL ALCOHOL D	50	gm	04/16/2015
0001339772	1455-13-6	METHYL ALCOHOL D	50	gm	04/16/2015
0001311063		TRU-BLU VIBRATION RESISTANT THREAD SEALANT	1	pt	04/16/2015
0001339773	1455-13-6	METHYL ALCOHOL D	50	gm	04/16/2015
0001311061		TRU-BLU VIBRATION RESISTANT THREAD SEALANT	1	pt	04/16/2015
0001311060		TRU-BLU VIBRATION RESISTANT THREAD SEALANT	1	pt	04/16/2015
0001332641		ready mix concrete	60	lb	04/16/2015
0001332658		ANTI-FREEZE ETHYLENE GLYCOL	1	gal	04/16/2015
0001332659		ANTI-FREEZE ETHYLENE GLYCOL	1	gal	04/16/2015
0001339780	1455-13-6	METHYL ALCOHOL D	50	gm	04/16/2015
0001339779	1455-13-6	METHYL ALCOHOL D	50	gm	04/16/2015
0001339778	1455-13-6	METHYL ALCOHOL D	50	gm	04/16/2015
0001339777	1455-13-6	METHYL ALCOHOL D	50	gm	04/16/2015
0001339776	1455-13-6	METHYL ALCOHOL D	50	gm	04/16/2015
0001339775	1455-13-6	METHYL ALCOHOL D	50	gm	04/16/2015
0001339686	1313-85-5	SODIUM SELENIDE	1	gm	04/16/2015
0001339767	1455-13-6	METHYL ALCOHOL D	50	gm	04/16/2015
0001339790	64-17-5	ETHANOL, 200 PROOF	1	pt	04/16/2015
0001339738		TELLURIUM STANDARD	125	ml	04/16/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001332660		ANTI-FREEZE ETHYLENE GLYCOL	1	gal	04/16/2015
0001332661		ANTI-FREEZE ETHYLENE GLYCOL	1	gal	04/16/2015
0001332662		ANTI-FREEZE ETHYLENE GLYCOL	1	gal	04/16/2015
0001339735	69365-72-6	GALLIUM(III)NITRATE	100	gm	04/16/2015
0001339799	64-17-5	ETHANOL, 200 PROOF	1	pt	04/16/2015
0001339798	64-17-5	ETHANOL, 200 PROOF	1	pt	04/16/2015
0001339797	64-17-5	ETHANOL, 200 PROOF	1	pt	04/16/2015
0001339796	64-17-5	ETHANOL, 200 PROOF	1	pt	04/16/2015
0001339795	64-17-5	ETHANOL, 200 PROOF	1	pt	04/16/2015
0001339794	64-17-5	ETHANOL, 200 PROOF	1	pt	04/16/2015
0001339793	64-17-5	ETHANOL, 200 PROOF	1	pt	04/16/2015
0001339801	64-17-5	ETHANOL, 200 PROOF	1	pt	04/16/2015
0001339791	64-17-5	ETHANOL, 200 PROOF	1	pt	04/16/2015
0001339802	64-17-5	ETHANOL, 200 PROOF	1	pt	04/16/2015
0001339788	64-17-5	ETHANOL, 200 PROOF	1	pt	04/16/2015
0001339787	64-17-5	ETHANOL, 200 PROOF	1	pt	04/16/2015
0001339786	64-17-5	ETHANOL, 200 PROOF	1	pt	04/16/2015
0001339785	64-17-5	ETHANOL, 200 PROOF	1	pt	04/16/2015
0001339784	64-17-5	ETHANOL, 200 PROOF	1	pt	04/16/2015
0001339783	64-17-5	ETHANOL, 200 PROOF	1	pt	04/16/2015
0001339782	64-17-5	ETHANOL, 200 PROOF	1	pt	04/16/2015
0001339781	64-17-5	ETHANOL, 200 PROOF	1	pt	04/16/2015
0001339643		BUFFER PH 7 (YELLOW BUFFER)	475	ml	04/16/2015
0001339642		BUFFER PH 10 (BLUE BUFFER)	475	ml	04/16/2015
0001339736	98-59-9	P-TOLUENESULFONYL CHLORIDE	250	gm	04/16/2015
0001339737	122-51-0	TRIETHYL ORTHOFORMATE (TRIETHYL ORTHOFORMATE, ANHYDROUS)	500	ml	04/16/2015
0001339792	64-17-5	ETHANOL, 200 PROOF	1	pt	04/16/2015
0001332683		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/16/2015
0001339821	112-55-0	1-DODECANETHIOL	100	ml	04/16/2015
0001332670		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/16/2015
0001332671		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/16/2015
0001332672		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/16/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001332673		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/16/2015
0001332674		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/16/2015
0001332675		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/16/2015
0001332676		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/16/2015
0001332677		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/16/2015
0001332678		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/16/2015
0001332679		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/16/2015
0001332680		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/16/2015
0001339800	64-17-5	ETHANOL, 200 PROOF	1	pt	04/16/2015
0001332682		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/16/2015
0001339789	64-17-5	ETHANOL, 200 PROOF	1	pt	04/16/2015
0001332684		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/16/2015
0001332685		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/16/2015
0001332669		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/16/2015
0001332668		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/16/2015
0001332667		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/16/2015
0001332666		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/16/2015
0001332665		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/16/2015
0001332664		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/16/2015
0001339813	540-69-2	AMMONIUM FORMATE	100	gm	04/16/2015
0001331967	7705-08-0	FERRIC CHLORIDE	3400	lb	04/16/2015
0001339804	64-17-5	ETHANOL, 200 PROOF	1	pt	04/16/2015
0001339803	64-17-5	ETHANOL, 200 PROOF	1	pt	04/16/2015
0001332681		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/16/2015
0001339684	1336-21-6	AMMONIUM HYDROXIDE	500	ml	04/16/2015
0001339716	8020-83-5	MINERAL OIL (LIGHT WHITE OIL)	1	kg	04/16/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001339648	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	100	ml	04/16/2015
0001339715	8020-83-5	MINERAL OIL (LIGHT WHITE OIL)	1	kg	04/16/2015
0001339651	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	100	ml	04/16/2015
0001339644	Multi	Buffer pH 4.01 (Pink)	475	ml	04/16/2015
0001339645		ARATHANE 5750-A/B	1	qt	04/16/2015
0001339646	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	100	ml	04/16/2015
0001339647	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	100	ml	04/16/2015
0001339650	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	100	ml	04/16/2015
0001339717	8020-83-5	MINERAL OIL (LIGHT WHITE OIL)	1	kg	04/16/2015
0001339683	1336-21-6	AMMONIUM HYDROXIDE	500	ml	04/16/2015
0001339685	1313-85-5	SODIUM SELENIDE	1	gm	04/16/2015
0001339649	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	100	ml	04/16/2015
0001311068		PIPE JOINT LUBRICANT	2	lb	04/16/2015
0001339706		LOCTITE E-60NC EPOXY POTTING COMPOUND	50	ml	04/16/2015
0001339700		LOCTITE E-60NC EPOXY POTTING COMPOUND	50	ml	04/16/2015
0001339708	101-68-8	Smooth-Cast 300	1.9	lb	04/16/2015
0001311067		PASTE FLUX	8	oz	04/16/2015
0001332653		ANTI-FREEZE ETHYLENE GLYCOL	1	gal	04/16/2015
0001332652		ANTI-FREEZE ETHYLENE GLYCOL	1	gal	04/16/2015
0001332651		ANTI-FREEZE ETHYLENE GLYCOL	1	gal	04/16/2015
0001339730		KESTER SOLDER ROSIN FLUX	1	gal	04/16/2015
0001311073		REGULAR PASTE FLUX	1.7	oz	04/16/2015
0001311072		REGULAR PASTE FLUX	1.7	oz	04/16/2015
0001311071		REGULAR PASTE FLUX	1.7	oz	04/16/2015
0001339702		LOCTITE E-60NC EPOXY POTTING COMPOUND	50	ml	04/16/2015
0001311069		REGULAR PASTE FLUX	4	oz	04/16/2015
0001339705		LOCTITE E-60NC EPOXY POTTING COMPOUND	50	ml	04/16/2015
0001339696		LOCTITE E-60NC EPOXY POTTING COMPOUND	50	ml	04/16/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001339697		LOCTITE E-60NC EPOXY POTTING COMPOUND	50	ml	04/16/2015
0001339698		LOCTITE E-60NC EPOXY POTTING COMPOUND	50	ml	04/16/2015
0001332663		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/16/2015
0001339699		LOCTITE E-60NC EPOXY POTTING COMPOUND	50	ml	04/16/2015
0001339701		LOCTITE E-60NC EPOXY POTTING COMPOUND	50	ml	04/16/2015
0001339703		LOCTITE E-60NC EPOXY POTTING COMPOUND	50	ml	04/16/2015
0001339704		LOCTITE E-60NC EPOXY POTTING COMPOUND	50	ml	04/16/2015
0001311070		REGULAR PASTE FLUX	1.7	oz	04/16/2015
0001332656		ANTI-FREEZE ETHYLENE GLYCOL	1	gal	04/16/2015
0001332657		ANTI-FREEZE ETHYLENE GLYCOL	1	gal	04/16/2015
0001332655		ANTI-FREEZE ETHYLENE GLYCOL	1	gal	04/16/2015
0001339710	67-64-1	ACETONE	4	l	04/16/2015
0001339711	67-64-1	ACETONE	4	l	04/16/2015
0001339712	67-64-1	ACETONE	4	l	04/16/2015
0001339713	67-64-1	ACETONE	4	l	04/16/2015
0001339714	1344-28-1	ALUMINUM OXIDE	500	gm	04/16/2015
0001332654		ANTI-FREEZE ETHYLENE GLYCOL	1	gal	04/16/2015
0001332727		8200 ESD EPOXY ADHESIVE PART A	0.92	gal	04/17/2015
0001339840	12125-02-9	AMMONIA	60	ml	04/17/2015
0001339908	1634-04-4	TERT-BUTYL METHYL ETHER	2.5	l	04/17/2015
0001339907	1634-04-4	TERT-BUTYL METHYL ETHER	2.5	l	04/17/2015
0001332725		8200 ESD EPOXY ADHESIVE PART A	0.92	gal	04/17/2015
0001332726		8200 ESD EPOXY ADHESIVE PART A	0.92	gal	04/17/2015
0001332724		LEAKSEAL FLEXIBLE RUBBER COATING	30	oz	04/17/2015
0001325162		SPEX PLASMA STANDARD ZIRCONIUM	125	ml	04/17/2015
0001180518		NORLAND OPTICAL ADHESIVE 88	6	gm	04/17/2015
0001332728		8200 ESD EPOXY ADHESIVE PART B	0.92	gal	04/17/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001339906	12125-02-9	AMMONIUM CHLORIDE	2	kg	04/17/2015
0001332729		8200 ESD EPOXY ADHESIVE PART B	0.92	gal	04/17/2015
0001332730		8200 ESD EPOXY ADHESIVE PART B	0.92	gal	04/17/2015
0001339844	7699-45-8	ZINC BROMIDE	500	gm	04/17/2015
0001339841	12125-02-9	AMMONIA	60	ml	04/17/2015
0001339743	54030-51-2	6,7-DIMETHYL-4-HYDROXY-2-MERCAPTOPTERIDINE	250	mg	04/17/2015
0001339911	7722-84-1	HYDROGEN PEROXIDE, 30% SOLUTION	100	ml	04/17/2015
0001339835	15114-43-9	DIBROMOISOCYANURIC ACID	5	gm	04/17/2015
0001339910	308080-99-1	MOLECULAR SIEVES 3A, 4-8 MESH	500	gm	04/17/2015
0001339836	870-24-6	2-CHLOROETHYLAMINE MONOHYDROCHLORIDE	100	gm	04/17/2015
0001339843	2206-27-1	DIMETHYL SULFOXIDE-D6	50	ml	04/17/2015
0001339909	7631-86-9	SILICA GEL GR 60 70 230	1	kg	04/17/2015
0001339912	998-30-1	TRIETHOXY SILANE	10	ml	04/17/2015
0001339822	74-89-5	METHYLAMINE	1	l	04/17/2015
0001339846	7699-45-8	ZINC BROMIDE	500	gm	04/17/2015
0001339744	75-64-9	TERT-BUTYLAMINE	100	ml	04/17/2015
0001339847	7699-45-8	ZINC BROMIDE	500	gm	04/17/2015
0001324239	7601-90-3	PERCHLORIC ACID	500	ml	04/17/2015
0001277098		MOLYBDENUM STANDARD	125	ml	04/17/2015
0001339913	13528-93-3	1,2-ETHANEDIYLBISCHLORODIMETHYLSILANE	25	gm	04/17/2015
0001339914	18027-10-6	SODIUM TRIMETHYLSILANOLATE	25	gm	04/17/2015
0001339916	79-14-1	GLYCOLIC ACID	25	gm	04/17/2015
0001336520	7440-45-1	CERIUM FOIL	12	gm	04/17/2015
0001339842	9004-74-4	POLYETHYLENE GLYCOL METHYL ETHER	200	ml	04/17/2015
0001334909	1310-73-2	Sodium Hydroxide 25%	3400	lb	04/17/2015
0001339845	7699-45-8	ZINC BROMIDE	500	gm	04/17/2015
0001339745	53518-18-6	COUMARIN 153	100	mg	04/17/2015
0001332723		PSX 700 CURE	0.2	gal	04/17/2015
0001332710		LOCKTITE PL S10 POLYURETHANE MASONRY SEALANT	10	oz	04/17/2015
0001339917	87-69-4	L(+)-TARTARIC ACID	500	gm	04/17/2015
0001339918	108-32-7	CYCLIC PROPYLENE CARBONATE	100	ml	04/17/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001339919	111-78-4	1,5-CYCLOOCTADIENE	100	ml	04/17/2015
0001332711		LOCKTITE PL S10 POLYURETHANE MASONRY SEALANT	10	oz	04/17/2015
0001332712		LOCKTITE PL S10 POLYURETHANE MASONRY SEALANT	10	oz	04/17/2015
0001332713		LOCKTITE PL S10 POLYURETHANE MASONRY SEALANT	10	oz	04/17/2015
0001332714		LOCKTITE PL S10 POLYURETHANE MASONRY SEALANT	10	oz	04/17/2015
0001339920	98-59-9	P-TOLUENESULFONYL CHLORIDE	500	gm	04/17/2015
0001332715	8030-30-6	MINERAL SPIRITS (PAINT THINNER)	1	gal	04/17/2015
0001334907	1310-73-2	Sodium Hydroxide 25%	3400	lb	04/17/2015
0001332717		PSX 700 PART A(RESIN)	0.8	gal	04/17/2015
0001339848	7699-45-8	ZINC BROMIDE	500	gm	04/17/2015
0001332718		PSX 700 PART A(RESIN)	0.8	gal	04/17/2015
0001339921	110-86-1	PYRIDINE, EXTRA DRY	100	ml	04/17/2015
0001339922	110-86-1	PYRIDINE, EXTRA DRY	100	ml	04/17/2015
0001332719		PSX 700 PART A(RESIN)	0.8	gal	04/17/2015
0001332720		PSX 700 CURE	0.2	gal	04/17/2015
0001339923	110-86-1	PYRIDINE, EXTRA DRY	100	ml	04/17/2015
0001339924	110-86-1	PYRIDINE, EXTRA DRY	100	ml	04/17/2015
0001339925	110-86-1	PYRIDINE, EXTRA DRY	100	ml	04/17/2015
0001332721		PSX 700 CURE	0.2	gal	04/17/2015
0001339926	110-86-1	PYRIDINE, EXTRA DRY	100	ml	04/17/2015
0001332716		PSX 700 PART A(RESIN)	0.8	gal	04/17/2015
0001339905		SPUTTERING TARGET	10	gm	04/17/2015
0001332722		PSX 700 CURE	0.2	gal	04/17/2015
0000783681	10035-10-6	HYDROBROMIC ACID	100	ml	04/17/2015
0001335331		NITRIC ACID	2.5	l	04/17/2015
0001180519		NORLAND OPTICAL ADHESIVE 88	6	gm	04/17/2015
0001335332		NITRIC ACID	2.5	l	04/17/2015
0001339915	123-39-7	N-METHYLFORMAMIDE	1	l	04/17/2015
0001339904	112-80-1	OLEIC ACID	1000	ml	04/17/2015
0001332709		LOCKTITE PL S10 POLYURETHANE MASONRY SEALANT	10	oz	04/17/2015
0001334910	1310-73-2	Sodium Hydroxide 25%	3400	lb	04/17/2015
0001334911	1310-73-2	Sodium Hydroxide 25%	3400	lb	04/17/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001339903	112-80-1	OLEIC ACID	1000	ml	04/17/2015
0001277094		SILVER STANDARD	125	ml	04/17/2015
0001277097	7440-43-9	CADMIUM STANDARD SOLUTION	125	ml	04/17/2015
0001332707		LOCKTITE PL S10 POLYURETHANE MASONRY SEALANT	10	oz	04/17/2015
0001339854	74665-17-1	TITANIUM(IV) (TRIETHANOLAMINATO)ISO-PROPOXIDE	100	ml	04/17/2015
0001339853	74665-17-1	TITANIUM(IV) (TRIETHANOLAMINATO)ISO-PROPOXIDE	100	ml	04/17/2015
0001339852		EPOXY	10	ml	04/17/2015
0001339851	7699-45-8	ZINC BROMIDE	500	gm	04/17/2015
0001339850	7699-45-8	ZINC BROMIDE	500	gm	04/17/2015
0001339849	7699-45-8	ZINC BROMIDE	500	gm	04/17/2015
0001334908	1310-73-2	Sodium Hydroxide 25%	3400	lb	04/17/2015
0001332708		LOCKTITE PL S10 POLYURETHANE MASONRY SEALANT	10	oz	04/17/2015
0001339750	1306-24-7	CADMIUM SELENIDE	10	gm	04/17/2015
0001339902	539-48-0	P-XYLYLENEDIAMINE	25	gm	04/17/2015
0001339901		RDX SOLUTION	1.2	ml	04/17/2015
0001339900		RDX SOLUTION	1.2	ml	04/17/2015
0001339895		RDX SOLUTION	1.2	ml	04/17/2015
0001339839	75-52-5	NITROMETHANE	100	ml	04/17/2015
0001339838	75-52-5	NITROMETHANE	100	ml	04/17/2015
0001339837	75-52-5	NITROMETHANE	100	ml	04/17/2015
0001339741	9002-84-0	POLYTETRAFLUOROETHYLENE	2.5	oz	04/17/2015
0001334900	7732-18-5	Hydrochloric Acid 30-31%	3000	lb	04/17/2015
0001339898		RDX SOLUTION	1.2	ml	04/17/2015
0001334906	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	04/17/2015
0001339897		RDX SOLUTION	1.2	ml	04/17/2015
0001339896		RDX SOLUTION	1.2	ml	04/17/2015
0001339899		RDX SOLUTION	1.2	ml	04/17/2015
0001339740	7440-47-3	CHROMIUM METAL PURE ELECTROLYTIC POWDER	25	gm	04/17/2015
0001339742	Multi	PLATINUM CYCLOVINYL METHYL SILOXANE COMPLEX	5	gm	04/17/2015
0001334902	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	04/17/2015
0001334903	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	04/17/2015
0001339749	1187-58-2	N-METHYLPROPIONAMIDE	5	gm	04/17/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001334905	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	04/17/2015
0001339746	112-88-9	1-OCTADECENE	1	l	04/17/2015
0001339747	112-88-9	1-OCTADECENE	1	l	04/17/2015
0001339748	78-50-2	TRIOCTYLPHOSPHINE OXIDE	100	gm	04/17/2015
0001334901	7732-18-5	Hydrochloric Acid 30-31%	3000	lb	04/17/2015
0001339739	112-88-9	1-OCTADECENE	10000	ml	04/17/2015
0001334904	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	04/17/2015
0001339615		POLYMER MICROSPHERES	0.5	gm	04/17/2015
0001332809		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332807		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332808		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001339937	1309-48-4	MAGNESIUM OXIDE	100	gm	04/20/2015
0001361544	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001332801		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332778		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332779		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332780		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332803		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332800		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001361553	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001339936	6596-96-9	TRIS(DIMETHYLAMINO)ARSINE	5	gm	04/20/2015
0001339935	638-21-1	PHENYLPHOSPHINE	2	gm	04/20/2015
0001339934		WD-40	1	gal	04/20/2015
0001339933		WD-40	20	oz	04/20/2015
0001339932	75-52-5	NITROMETHANE	500	ml	04/20/2015
0001339931	75-52-5	NITROMETHANE	500	ml	04/20/2015
0001332781		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001361547	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001332806		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332805		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001361542	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001361543	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001361551	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001332802		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001361546	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001332810		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001361548	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001332760		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	04/20/2015
0001361549	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001361550	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001332804		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001361552	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001361545	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001332834		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001339927	3675-63-6	BROMOETHANE-D5	5	gm	04/20/2015
0001339866	1333-86-4	SUPER C 65	7.5	kg	04/20/2015
0001339865	1333-86-4	SUPER C 45	6	kg	04/20/2015
0001339864	1333-86-4	ENSACO 350 CARBON BLACK	7.5	kg	04/20/2015
0001332837		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332829		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332835		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332846		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332833		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332832		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332700		ready mix concrete	60	lb	04/20/2015
0001332699		ready mix concrete	60	lb	04/20/2015
0001332831		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332762		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	04/20/2015
0001332836		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001339938	64-18-6	FORMIC ACID	250	ml	04/20/2015
0001332747		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	04/20/2015
0001332748		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	04/20/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001332749		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	04/20/2015
0001332750		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	04/20/2015
0001332840		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332839		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001339928	9002-84-0	POLY(TETRAFLUOROETHYLENE)	250	gm	04/20/2015
0001279481		LPS TAPMATIC NATURAL DUAL ACTION CUTTING FLUID	16	oz	04/20/2015
0001339929	1333-86-4	CARBON BLACK	25	gm	04/20/2015
0001332841		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332842		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332843		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332844		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332845		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332828		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332838		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332771		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332825		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332824		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332823		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332767		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332768		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332830		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332770		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001339930	6487-48-5	POTASSIUM OXALATE MONOHYDRATE	100	gm	04/20/2015
0001332772		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332773		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332774		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332775		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332776		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332777		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332769		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332759		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	04/20/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001332751		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	04/20/2015
0001332752		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	04/20/2015
0001332753		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	04/20/2015
0001332754		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	04/20/2015
0001332755		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	04/20/2015
0001332756		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	04/20/2015
0001332826		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332758		BLACK JACK ROOF GARD 700	5	gal	04/20/2015
0001332827		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332761		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	04/20/2015
0001332763		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	04/20/2015
0001332764		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	04/20/2015
0001332765		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	04/20/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001332766		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	04/20/2015
0001339863	1333-86-4	ENSACO 260 CARBON BLACK	10	kg	04/20/2015
0001332757		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	04/20/2015
0001361600		ARGON 94%, HYDROGEN 6%	220	cf	04/20/2015
0001361606		ARGON 94%, HYDROGEN 6%	220	cf	04/20/2015
0001361505	7440-59-7	HELIUM	100	l	04/20/2015
0001361504	7440-59-7	HELIUM	100	l	04/20/2015
0001361503	7440-59-7	HELIUM	100	l	04/20/2015
0001361502	7440-59-7	HELIUM	100	l	04/20/2015
0001361501	7440-59-7	HELIUM	100	l	04/20/2015
0001361500	7440-59-7	HELIUM	100	l	04/20/2015
0001361499	7440-59-7	HELIUM	100	l	04/20/2015
0001361498	7440-59-7	HELIUM	100	l	04/20/2015
0001361595		ARGON 94%, HYDROGEN 6%	220	cf	04/20/2015
0001361596		ARGON 94%, HYDROGEN 6%	220	cf	04/20/2015
0001361597		ARGON 94%, HYDROGEN 6%	220	cf	04/20/2015
0001361507	7440-59-7	HELIUM	100	l	04/20/2015
0001361599		ARGON 94%, HYDROGEN 6%	220	cf	04/20/2015
0001361508	7440-59-7	HELIUM	100	l	04/20/2015
0001361594		ARGON 94%, HYDROGEN 6%	220	cf	04/20/2015
0001361592		ARGON 94%, HYDROGEN 6%	220	cf	04/20/2015
0001361515	7664-41-7	AMMONIA, ANHYDROUS	25	l	04/20/2015
0001361514	7664-41-7	AMMONIA, ANHYDROUS	25	l	04/20/2015
0001361513	7664-41-7	AMMONIA, ANHYDROUS	25	l	04/20/2015
0001361511		CARBON MONOXIDE/HELIUM	150	cf	04/20/2015
0001361510	75-45-6	CHLORODIFLUOROMETHANE	30	lb	04/20/2015
0001361601		ARGON 94%, HYDROGEN 6%	220	cf	04/20/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001361602		ARGON 94%, HYDROGEN 6%	220	cf	04/20/2015
0001361603		ARGON 94%, HYDROGEN 6%	220	cf	04/20/2015
0001361604		ARGON 94%, HYDROGEN 6%	220	cf	04/20/2015
0001332701		ready mix concrete	60	lb	04/20/2015
0001361598		ARGON 94%, HYDROGEN 6%	220	cf	04/20/2015
0001361526	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/20/2015
0001332702		ready mix concrete	60	lb	04/20/2015
0001332703		ready mix concrete	60	lb	04/20/2015
0001332704		ready mix concrete	60	lb	04/20/2015
0001332705		ready mix concrete	60	lb	04/20/2015
0001332706		ready mix concrete	60	lb	04/20/2015
0001361517	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/20/2015
0001361518	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/20/2015
0001361519	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/20/2015
0001361520	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/20/2015
0001361521	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/20/2015
0001361522	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/20/2015
0001361523	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/20/2015
0001361506	7440-59-7	HELIUM	100	l	04/20/2015
0001361525	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/20/2015
0001339855		Self-Etch Primer Black	1	qt	04/20/2015
0001361527	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/20/2015
0001361528	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/20/2015
0001361529	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/20/2015
0001361530	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/20/2015
0001361531	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/20/2015
0001361532	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001361533	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001361534	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001361535	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001361536	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001361537	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001361509	7440-59-7	HELIUM	100	l	04/20/2015
0001361524	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/20/2015
0001361584		ARGON 90% METHANE 10%	220	cf	04/20/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001361605		ARGON 94%, HYDROGEN 6%	220	cf	04/20/2015
0001361608	7727-37-9	NITROGEN	220	cf	04/20/2015
0001361607	7727-37-9	NITROGEN	220	cf	04/20/2015
0001332796		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332797		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332798		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332799		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001361591		ARGON 90% METHANE 10%	220	cf	04/20/2015
0001361590		ARGON 90% METHANE 10%	220	cf	04/20/2015
0001361589		ARGON 90% METHANE 10%	220	cf	04/20/2015
0001361588		ARGON 90% METHANE 10%	220	cf	04/20/2015
0001361587		ARGON 90% METHANE 10%	220	cf	04/20/2015
0001361610	7727-37-9	NITROGEN	220	cf	04/20/2015
0001361585		ARGON 90% METHANE 10%	220	cf	04/20/2015
0001332795		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001361583		ARGON 90% METHANE 10%	220	cf	04/20/2015
0001361582		ARGON 90% METHANE 10%	220	cf	04/20/2015
0001361581		ARGON 90% METHANE 10%	220	cf	04/20/2015
0001361580		ARGON 90% METHANE 10%	220	cf	04/20/2015
0001361579		ARGON 90% METHANE 10%	220	cf	04/20/2015
0001361578		ARGON 90% METHANE 10%	220	cf	04/20/2015
0001361577		ARGON 90% METHANE 10%	220	cf	04/20/2015
0001339862	14850-23-8	TRANS-4-OCTENE	25	ml	04/20/2015
0001339861	110-83-8	CYCLOHEXENE	500	ml	04/20/2015
0001339860	1665-00-5	METHYLENE CHLORIDE-D2	25	gm	04/20/2015
0001339859	28077-64-7	ACETOPHENONE-2',3',4',5',	5	gm	04/20/2015
0001339858	19259-90-6	ACETYL-D3 CHLORIDE	10	gm	04/20/2015
0001361586		ARGON 90% METHANE 10%	220	cf	04/20/2015
0001361539	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001339856		Self-Etch Primer Black	1	qt	04/20/2015
0001339857	19259-90-6	ACETYL-D3 CHLORIDE	10	gm	04/20/2015
0001280096		STAY-SILV WHITE BRAZING FLUX	1	lb	04/20/2015
0001280030		272 Threadlocker High Strength	50	ml	04/20/2015
0001280097		LOCTITE 7649 PRIMER N	1.75	oz	04/20/2015
0001280098		LOCTITE 680 RETAININ	50	ml	04/20/2015
0001280102	Multi	Low Conductivity Antifreeze/Coolant	1	gal	04/20/2015
0001280101	Multi	Low Conductivity Antifreeze/Coolant	1	gal	04/20/2015
0001280100	Multi	Low Conductivity Antifreeze/Coolant	1	gal	04/20/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001280099	Multi	Low Conductivity Antifreeze/Coolant	1	gal	04/20/2015
0001332782		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332783		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001361609	7727-37-9	NITROGEN	220	cf	04/20/2015
0001361538	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001361593		ARGON 94%, HYDROGEN 6%	220	cf	04/20/2015
0001361540	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001361541	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001332785		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332786		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332787		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332788		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332789		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332790		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332791		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332792		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332793		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332794		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332784		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001361615	7727-37-9	NITROGEN	220	cf	04/20/2015
0001361613	7727-37-9	NITROGEN	220	cf	04/20/2015
0001361516	7664-41-7	AMMONIA, ANHYDROUS	25	l	04/20/2015
0001361614	7727-37-9	NITROGEN	220	cf	04/20/2015
0001361612	7727-37-9	NITROGEN	220	cf	04/20/2015
0001361611	7727-37-9	NITROGEN	220	cf	04/20/2015
0001332731		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	04/20/2015
0001332732		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	04/20/2015
0001332822		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332820		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332818		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001361556	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001361570	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001332821		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332814		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001361557	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001361558	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001361559	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001361560	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001361561	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001361562	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001361555	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001361563	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001361554	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001332811		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332816		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332813		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001361572	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001332815		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001361564	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001361565	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001361566	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001361567	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001361568	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001361569	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001332819		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001361571	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001361573	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001332817		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015
0001332812		FANTASTIK SPRAY CLEAN	1	qt	04/20/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001361574	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001361616		2.9% Hydrogen/Bal. Argon	220	cf	04/20/2015
0001332733		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	04/20/2015
0001332734		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	04/20/2015
0001332735		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	04/20/2015
0001332736		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	04/20/2015
0001332737		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	04/20/2015
0001332738		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	04/20/2015
0001332739		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	04/20/2015
0001332740		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	04/20/2015
0001332741		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	04/20/2015
0001332746		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	04/20/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001332742		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	04/20/2015
0001361576	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001332744		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	04/20/2015
0001361618		25% ARGON/BAL. HELIUM	220	cf	04/20/2015
0001361575	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/20/2015
0001332743		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	04/20/2015
0001361617		2.9% Hydrogen/Bal. Argon	220	cf	04/20/2015
0001361619	7440-37-1	ARGON ULTRA HIGH PURITY	300	cf	04/20/2015
0001332745		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	04/20/2015
0001339970	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	ml	04/21/2015
0001339971	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	ml	04/21/2015
0001339889	9003-55-8	POLY(STYRENE-CO-BUTADIENE)	250	gm	04/21/2015
0001339891	108-77-0	CYANURIC CHLORIDE	250	gm	04/21/2015
0001332891		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	04/21/2015
0001332890		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	04/21/2015
0001332888		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	04/21/2015
0001332887		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	04/21/2015
0001332886		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	04/21/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001332885		TOTAL CHLORIEN BUFFER SOLUTION	473	ml	04/21/2015
0001332884		TOTAL CHLORIEN BUFFER SOLUTION	473	ml	04/21/2015
0001339950		FORMULA 314-T	50	lb	04/21/2015
0001339951		FORMULA 314-T	50	lb	04/21/2015
0001339952		FORMULA 314-T	50	lb	04/21/2015
0001339953		FORMULA 314-T	50	lb	04/21/2015
0001339892	1592-20-7	4-VINYLBENZYLCHLORIDE	100	ml	04/21/2015
0001339940	998-40-3	TRI-N-BUTYLPHOSPHINE	25	gm	04/21/2015
0001332889		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	04/21/2015
0001339890	1414-45-5	Nisin, from Lactococcus lactis	1	gm	04/21/2015
0001332901		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	04/21/2015
0001332902		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	04/21/2015
0001332903		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	04/21/2015
0001339879	75-75-2	METHANE SULFONIC ACID	100	ml	04/21/2015
0001339878	75-75-2	METHANE SULFONIC ACID	100	ml	04/21/2015
0001339873	7697-37-2	NITRIC ACID OPTIMA	2	l	04/21/2015
0001332904		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	04/21/2015
0001332905		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	04/21/2015
0001332906		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	04/21/2015
0001339949	10026-12-7	NIوبيUM(V) CHLORIDE	100	gm	04/21/2015
0001339939		TEVA RESIN	100	gm	04/21/2015
0001339872	7697-37-2	NITRIC ACID OPTIMA	2	l	04/21/2015
0001339881	1344-28-1	ALUMINA POWDER	1	kg	04/21/2015
0001339882	127-19-5	N,N-DIMETHYLACETAMIDE	100	ml	04/21/2015
0001339883	127-19-5	N,N-DIMETHYLACETAMIDE	100	ml	04/21/2015
0001339884	9002-83-9	POLY(CHLOROTRIFLUOROETHYLENE)	25	gm	04/21/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001339885	335-64-8	PENTADEC AFLUORO OCTANOYL CHLORIDE	5	gm	04/21/2015
0001339886	2038-03-1	4-(2-AMINOETHYL)MORPHOLINE	5	gm	04/21/2015
0001339887	7646-78-8	TIN(IV) CHLORIDE	5	gm	04/21/2015
0001332854		BLACK JACK ROOF GARD 700	5	gal	04/21/2015
0001339888	9003-55-8	POLY(STYRENE-CO-BUTADIENE)	250	gm	04/21/2015
0001339941	86508-42-1	FC-72 FLUORINERT BRAND ELECTRONIC LIQUID	1	gal	04/21/2015
0001339976	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	ml	04/21/2015
0001339875	64-17-5	ETHYL ALCOHOL	16	l	04/21/2015
0001339876	64-17-5	ETHYL ALCOHOL	16	l	04/21/2015
0001339877	64-17-5	ETHYL ALCOHOL	16	l	04/21/2015
0001332916		ALEX PLUS	10.1	oz	04/21/2015
0001332893		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	04/21/2015
0001334912	7732-18-5	Hydrochloric Acid 30-31%	3000	lb	04/21/2015
0001340042	108-88-3	TOLUENE	4	l	04/21/2015
0001340041	108-88-3	TOLUENE	4	l	04/21/2015
0001339871	7697-37-2	NITRIC ACID OPTIMA	2	l	04/21/2015
0001340039	108-88-3	TOLUENE	4	l	04/21/2015
0001332915		ALEX PLUS	10.1	oz	04/21/2015
0001339975	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	ml	04/21/2015
0001339974	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	ml	04/21/2015
0001339973	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	ml	04/21/2015
0001339972	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	ml	04/21/2015
0001339945	1317-61-9	FERRIC-FERROUS OXIDE	500	gm	04/21/2015
0001339946	1317-61-9	FERRIC-FERROUS OXIDE	500	gm	04/21/2015
0001339947	67-68-5	DIMETHYL SULFOXIDE	100	ml	04/21/2015
0001339948	13499-05-3	HAFNIUM(IV) CHLORIDE	500	gm	04/21/2015
0001340040	108-88-3	TOLUENE	4	l	04/21/2015
0001332910		100% SILICONE SEALANT	9.8	oz	04/21/2015
0001339870	7697-37-2	NITRIC ACID OPTIMA	2	l	04/21/2015
0001339880	1344-28-1	ALUMINA POWDER	1	kg	04/21/2015
0001332855		BLACK JACK ROOF GARD 700	5	gal	04/21/2015
0001339954		FORMULA 314-T	50	lb	04/21/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001332856		BLACK JACK ROOF GARD 700	5 gal		04/21/2015
0001339869	7697-37-2	NITRIC ACID OPTIMA	2 l		04/21/2015
0001332857		BLACK JACK ROOF GARD 700	5 gal		04/21/2015
0001339955		FORMULA 314-T	50 lb		04/21/2015
0001339874	64-17-5	ETHYL ALCOHOL	16 l		04/21/2015
0001361512		10ppm Carbon Monoxide/1000ppm Hydrogen/Bal. Helium	150 lb		04/21/2015
0001339867	67-63-0	ISOPROPANOL (2-PROPANOL)	4 l		04/21/2015
0001339868	7697-37-2	NITRIC ACID OPTIMA	2 l		04/21/2015
0001332858		BLACK JACK ROOF GARD 700	5 gal		04/21/2015
0001332859		BLACK JACK ROOF GARD 700	5 gal		04/21/2015
0001332860		BLACK JACK ROOF GARD 700	5 gal		04/21/2015
0001332911		100% SILICONE SEALANT	9.8 oz		04/21/2015
0001332912		100% SILICONE SEALANT	9.8 oz		04/21/2015
0001332913		100% SILICONE SEALANT	9.8 oz		04/21/2015
0001332914		100% SILICONE SEALANT	9.8 oz		04/21/2015
0001332900		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473 ml		04/21/2015
0001339956		FORMULA 314-T	50 lb		04/21/2015
0001311097		PVC PLASTIC PIPE CEMENT	1 qt		04/21/2015
0001332894		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473 ml		04/21/2015
0001311090		PURPLE PRIMER FOR CPVC OR PVC	1 qt		04/21/2015
0001332868		TOTAL CHLORINE BUFFER SOLUTION	473 ml		04/21/2015
0001332879		TOTAL CHLORINE BUFFER SOLUTION	473 ml		04/21/2015
0001311091		PURPLE PRIMER FOR CPVC OR PVC	1 qt		04/21/2015
0001339967	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500 ml		04/21/2015
0001311098		PVC PLASTIC PIPE CEMENT	1 qt		04/21/2015
0001339968	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500 ml		04/21/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001332862		TOTAL CHLORIEN BUFFER SOLUTION	473	ml	04/21/2015
0001332863		TOTAL CHLORIEN BUFFER SOLUTION	473	ml	04/21/2015
0001332864		TOTAL CHLORIEN BUFFER SOLUTION	473	ml	04/21/2015
0001332865		TOTAL CHLORIEN BUFFER SOLUTION	473	ml	04/21/2015
0001332878		TOTAL CHLORIEN BUFFER SOLUTION	473	ml	04/21/2015
0001332867		TOTAL CHLORIEN BUFFER SOLUTION	473	ml	04/21/2015
0001311089		PURPLE PRIMER FOR CPVC OR PVC	1	qt	04/21/2015
0001339969	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	ml	04/21/2015
0001332899		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	04/21/2015
0001332869		TOTAL CHLORIEN BUFFER SOLUTION	473	ml	04/21/2015
0001332870		TOTAL CHLORIEN BUFFER SOLUTION	473	ml	04/21/2015
0001332871		TOTAL CHLORIEN BUFFER SOLUTION	473	ml	04/21/2015
0001332872		TOTAL CHLORIEN BUFFER SOLUTION	473	ml	04/21/2015
0001332873		TOTAL CHLORIEN BUFFER SOLUTION	473	ml	04/21/2015
0001332874		TOTAL CHLORIEN BUFFER SOLUTION	473	ml	04/21/2015
0001332875		TOTAL CHLORIEN BUFFER SOLUTION	473	ml	04/21/2015
0001311092		PURPLE PRIMER FOR CPVC OR PVC	1	qt	04/21/2015
0001332876		TOTAL CHLORIEN BUFFER SOLUTION	473	ml	04/21/2015
0001332877		TOTAL CHLORIEN BUFFER SOLUTION	473	ml	04/21/2015
0001332866		TOTAL CHLORIEN BUFFER SOLUTION	473	ml	04/21/2015
0001332883		TOTAL CHLORIEN BUFFER SOLUTION	473	ml	04/21/2015
0001311096		PVC PLASTIC PIPE CEMENT	1	qt	04/21/2015
0001311104		PVC PLASTIC PIPE CEMENT	1	qt	04/21/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001311095		PVC PLASTIC PIPE CEMENT	1	qt	04/21/2015
0001311094		PVC PLASTIC PIPE CEMENT	1	qt	04/21/2015
0001311093		PVC PLASTIC PIPE CEMENT	1	qt	04/21/2015
0001332892		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	04/21/2015
0001311081		PURPLE PRIMER FOR CPVC OR PVC	1	qt	04/21/2015
0001311082		PURPLE PRIMER FOR CPVC OR PVC	1	qt	04/21/2015
0001311083		PURPLE PRIMER FOR CPVC OR PVC	1	qt	04/21/2015
0001332898		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	04/21/2015
0001332861		BLACK JACK ROOF GARD 700	5	gal	04/21/2015
0001332897		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	04/21/2015
0001332895		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	04/21/2015
0001311102		PVC PLASTIC PIPE CEMENT	1	qt	04/21/2015
0001332880		TOTAL CHLORIEN BUFFER SOLUTION	473	ml	04/21/2015
0001311101		PVC PLASTIC PIPE CEMENT	1	qt	04/21/2015
0001332896		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	04/21/2015
0001311084		PURPLE PRIMER FOR CPVC OR PVC	1	qt	04/21/2015
0001311100		PVC PLASTIC PIPE CEMENT	1	qt	04/21/2015
0001332882		TOTAL CHLORIEN BUFFER SOLUTION	473	ml	04/21/2015
0001332881		TOTAL CHLORIEN BUFFER SOLUTION	473	ml	04/21/2015
0001311085		PURPLE PRIMER FOR CPVC OR PVC	1	qt	04/21/2015
0001311086		PURPLE PRIMER FOR CPVC OR PVC	1	qt	04/21/2015
0001311087		PURPLE PRIMER FOR CPVC OR PVC	1	qt	04/21/2015
0001311088		PURPLE PRIMER FOR CPVC OR PVC	1	qt	04/21/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001332853		BLACK JACK ROOF GARD 700	5	gal	04/21/2015
0001311099		PVC PLASTIC PIPE CEMENT	1	qt	04/21/2015
0001311103		PVC PLASTIC PIPE CEMENT	1	qt	04/21/2015
0001339984	7697-37-2	NITRIC ACID, TRACEMETAL	500	ml	04/21/2015
0001339986	7697-37-2	NITRIC ACID, TRACEMETAL	500	ml	04/21/2015
0001339983	7697-37-2	NITRIC ACID, TRACEMETAL	500	ml	04/21/2015
0001339943	Multi	WD-40 Rust Release Specialist Penetrant Spray	11	oz	04/21/2015
0001339944	Multi	WD-40 Rust Release Specialist Penetrant Spray	11	oz	04/21/2015
0001339978	7697-37-2	NITRIC ACID, TRACEMETAL	500	ml	04/21/2015
0001339977	7697-37-2	NITRIC ACID, TRACEMETAL	500	ml	04/21/2015
0001332909		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	04/21/2015
0001332908		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	04/21/2015
0001332907		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	04/21/2015
0001339942	86508-42-1	FC-72 FLUORINERT BRAND ELECTRONIC LIQUID	1	gal	04/21/2015
0001339979	7697-37-2	NITRIC ACID, TRACEMETAL	500	ml	04/21/2015
0001339985	7697-37-2	NITRIC ACID, TRACEMETAL	500	ml	04/21/2015
0001339980	7697-37-2	NITRIC ACID, TRACEMETAL	500	ml	04/21/2015
0001339981	7697-37-2	NITRIC ACID, TRACEMETAL	500	ml	04/21/2015
0001339982	7697-37-2	NITRIC ACID, TRACEMETAL	500	ml	04/21/2015
0001381208		BEST LOOK SEMI GLOSS HOUSE AND TRIM	3.78	l	04/22/2015
0001361700	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/23/2015
0001340009	384835-51-2	18:1 Biotinyl Cap PE	100	gm	04/23/2015
0001311110		MOTOR OIL	1	qt	04/23/2015
0001311109		MOTOR OIL	1	qt	04/23/2015
0001311108		MOTOR OIL	1	qt	04/23/2015
0001340021		SPARKLE GLASS CLEANER	33.8	oz	04/23/2015
0001340022		SPARKLE GLASS CLEANER	33.8	oz	04/23/2015
0001361657	74-98-6	PROPANE	33	lb	04/23/2015
0001361656	74-98-6	PROPANE	33	lb	04/23/2015
0001361699	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/23/2015
0001361698	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/23/2015
0001361628	7440-59-7	HELIUM	100	l	04/23/2015
0001361629	7440-59-7	HELIUM	100	l	04/23/2015
0001361630	7440-59-7	HELIUM	100	l	04/23/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001361631	7440-59-7	HELIUM	100	l	04/23/2015
0001361632	7440-59-7	HELIUM	100	l	04/23/2015
0001361633	7440-59-7	HELIUM	100	l	04/23/2015
0001361634	7440-59-7	HELIUM	100	l	04/23/2015
0001361635	7440-59-7	HELIUM	100	l	04/23/2015
0001361676	7440-59-7	HELIUM	220	cf	04/23/2015
0001361726		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361697	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/23/2015
0001361727		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001311111		MOTOR OIL	1	qt	04/23/2015
0001311125		THREADLOCKER RED	10	ml	04/23/2015
0001361675	7440-59-7	HELIUM	220	cf	04/23/2015
0001361725		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001311112		MOTOR OIL	1	qt	04/23/2015
0001340073	7647-14-5	SODIUM CHLORIDE	250	gm	04/23/2015
0001340072	12125-02-9	AMMONIUM CHLORIDE	25	gm	04/23/2015
0001340071	694-53-1	PHENYLSILANE	5	gm	04/23/2015
0001361655	74-98-6	PROPANE	33	lb	04/23/2015
0001361658	74-98-6	PROPANE	33	lb	04/23/2015
0001292138		VALVOLINE DURABLEND	0.5	oz	04/23/2015
0001340018		SPARKLE GLASS CLEANER	33.8	oz	04/23/2015
0001361627	7440-59-7	HELIUM	100	l	04/23/2015
0001340017		O-Sorb Sentinel Passive Sampler for RDX	100	gm	04/23/2015
0001361684	7440-59-7	HELIUM	220	cf	04/23/2015
0001361648	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	04/23/2015
0001361649	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	04/23/2015
0001361693	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/23/2015
0001361694	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/23/2015
0001340006	75-05-8	ACETONITRILE ANHYDROUS	100	ml	04/23/2015
0001340016		O-Sorb Sentinel Passive Sampler for RDX	100	gm	04/23/2015
0001340074	1121-60-4	2-PYRIDINECARBOXALDEHYDE	25	gm	04/23/2015
0001292137		Lubriplate (white lithium grease)	14	oz	04/23/2015
0001361645	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	04/23/2015
0001292139		VALVOLINE GEAR OIL	16	oz	04/23/2015
0001311107		MOTOR OIL	1	qt	04/23/2015
0001311106		MOTOR OIL	1	qt	04/23/2015
0001340010	7681-52-9	SODIUM HYPOCHLORITE	500	ml	04/23/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001340011		RHENIUM STANDARD	125	ml	04/23/2015
0001340013		O-Sorb Media	100	gm	04/23/2015
0001340014		O-Sorb Sentinel Passive Sampler for RDX	100	gm	04/23/2015
0001361668	124-38-9	CARBON DIOXIDE	220	cf	04/23/2015
0001361667	124-38-9	CARBON DIOXIDE	220	cf	04/23/2015
0001361666	124-38-9	CARBON DIOXIDE	220	cf	04/23/2015
0001340015		O-Sorb Sentinel Passive Sampler for RDX	100	gm	04/23/2015
0001340069	9001-59-6	PYRUVATE KINASE TYPE VII FROM RABBIT MUSCLE	2.5	ugm	04/23/2015
0001340068	54010-75-2	ZINC TRIFLUOROMETHANE SULFONATE	10	gm	04/23/2015
0001361636	7440-59-7	HELIUM	250	l	04/23/2015
0001361637	7440-59-7	HELIUM	250	l	04/23/2015
0001361670		ARGON 25% IN HELIUM	220	cf	04/23/2015
0001361671		ARGON 25% IN HELIUM	220	cf	04/23/2015
0001361672		ARGON 25% IN HELIUM	220	cf	04/23/2015
0001361673		ARGON 25% IN HELIUM	220	cf	04/23/2015
0001361674		ARGON 25% IN HELIUM	220	cf	04/23/2015
0001361690	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/23/2015
0001361691	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/23/2015
0001311105		MOTOR OIL	1	qt	04/23/2015
0001361647	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	04/23/2015
0001361646	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	04/23/2015
0001340070	4265-07-0	PHOSPHO(ENOL)PYRUVATE MONOPOTASSIUM SALT	250	mg	04/23/2015
0001361644	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	04/23/2015
0001311113		MOTOR OIL	1	qt	04/23/2015
0001311114		MOTOR OIL	1	qt	04/23/2015
0001311115		MOTOR OIL	1	qt	04/23/2015
0001361654	74-98-6	PROPANE	33	lb	04/23/2015
0001361653	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	04/23/2015
0001361652	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	04/23/2015
0001361651	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	04/23/2015
0001361650	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	04/23/2015
0001340023		SPARKLE GLASS CLEANER	33.8	oz	04/23/2015
0001361692	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/23/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001361729		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361741		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361707	7727-37-9	NITROGEN	220	cf	04/23/2015
0001361708	7727-37-9	NITROGEN	220	cf	04/23/2015
0001361709	7727-37-9	NITROGEN	220	cf	04/23/2015
0001361733		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361734		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361705	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	04/23/2015
0001361736		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361682	7440-59-7	HELIUM	220	cf	04/23/2015
0001311129		MOTOR OIL	1	qt	04/23/2015
0001311130		MOTOR OIL	1	qt	04/23/2015
0001361737		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361738		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361739		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361730		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361735		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361722		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361731		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361732		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001311120		ANTIFREEZE/COOLANT	1	gal	04/23/2015
0001311119		ANTIFREEZE/COOLANT	1	gal	04/23/2015
0001311118		ANTIFREEZE/COOLANT	1	gal	04/23/2015
0001311117		ANTIFREEZE/COOLANT	1	gal	04/23/2015
0001361706	7727-37-9	NITROGEN	220	cf	04/23/2015
0001361723		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361742		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361721		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361720		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361719		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361718		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361626	7440-59-7	HELIUM	100	l	04/23/2015
0001340020		SPARKLE GLASS CLEANER	33.8	oz	04/23/2015
0001361724		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001311134		CHAIN AND CABLE FLUID	11	oz	04/23/2015
0001361740		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001339965	100-52-7	BENZALDEHYDE	100	ml	04/23/2015
0001339894	10025-99-7	POTASSIUM TETRACHLOROPLATINATE(II)	1	gm	04/23/2015
0001339893		Roots ISO-VG 150	1	gal	04/23/2015
0001311139		ANTIFREEZE/COOLANT	1	gal	04/23/2015
0001311140		ANTIFREEZE/COOLANT	1	gal	04/23/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001340004	1070-89-9	SODIUM BIS(TRIMETHYLSILYL)AMIDE, 1.0M	100	gm	04/23/2015
0001311135		CHAIN AND CABLE FLUID	11	oz	04/23/2015
0001340005	110-86-1	PYRIDINE (PYRIDINE, ANHYDROUS)	100	ml	04/23/2015
0001334917	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	04/23/2015
0001334916	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	04/23/2015
0001334915	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	04/23/2015
0001334914	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	04/23/2015
0001334913	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	04/23/2015
0001340007	13453-07-1	GOLD (III) CHLORIDE	5	gm	04/23/2015
0001311136		CHAIN AND CABLE FLUID	11	oz	04/23/2015
0001361664	74-86-2	ACETYLENE	40	cf	04/23/2015
0001361743		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361744		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361696	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/23/2015
0001361695	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/23/2015
0001361702	7727-37-9	NITROGEN	220	cf	04/23/2015
0001361703	7727-37-9	NITROGEN	220	cf	04/23/2015
0001340003	110-71-4	1,2-DIMETHOXYETHANE	1	l	04/23/2015
0001311116		MOTOR OIL	1	qt	04/23/2015
0001340019		SPARKLE GLASS CLEANER	33.8	oz	04/23/2015
0001361665	74-86-2	ACETYLENE	40	cf	04/23/2015
0001361728		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001292136		SHREDDER OIL	0.5	gal	04/23/2015
0001292135		SHREDDER OIL	1	pt	04/23/2015
0001292134		FANTASTIKE ALL PURPOSE CLEANER	1	qt	04/23/2015
0001340008		TE BUFFER	500	ml	04/23/2015
0001361704	7727-37-9	NITROGEN	220	cf	04/23/2015
0001361638		Carbon Dioxide 40.8ppm in Nitrogen	150	cf	04/23/2015
0001361716	7727-37-9	NITROGEN	220	cf	04/23/2015
0001311124		THREADLOCKER RED	10	ml	04/23/2015
0001311123		THREADLOCKER RED	10	ml	04/23/2015
0001361711	7727-37-9	NITROGEN	220	cf	04/23/2015
0001361710	7727-37-9	NITROGEN	220	cf	04/23/2015
0001361643	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	04/23/2015
0001361642	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	04/23/2015
0001361641	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	04/23/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001361640	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	04/23/2015
0001311138		ANTIFREEZE/COOLANT	1	gal	04/23/2015
0001340067	20710-47-8	iodomethane-13C,D3	1	gm	04/23/2015
0001361717		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361701	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	04/23/2015
0001311131		DIESEL EXHAUST FLUID	1	gal	04/23/2015
0001311137		ANTIFREEZE/COOLANT	1	gal	04/23/2015
0001361663	1333-74-0	HYDROGEN	20	cf	04/23/2015
0001311121		ANTIFREEZE/COOLANT	1	gal	04/23/2015
0001361662	1333-74-0	HYDROGEN	20	cf	04/23/2015
0001361661	74-98-6	PROPANE	33	lb	04/23/2015
0001361660	74-98-6	PROPANE	33	lb	04/23/2015
0001361659	74-98-6	PROPANE	33	lb	04/23/2015
0001361639	1333-74-0	HYDROGEN ULTA HIGH PURITY	220	cf	04/23/2015
0001361620		CALIBRATION GAS	105	l	04/23/2015
0001361712	7727-37-9	NITROGEN	220	cf	04/23/2015
0001361713	7727-37-9	NITROGEN	220	cf	04/23/2015
0001361714	7727-37-9	NITROGEN	220	cf	04/23/2015
0001311122		ANTIFREEZE/COOLANT	1	gal	04/23/2015
0001361669		ARGON 25% IN HELIUM	220	cf	04/23/2015
0001361625	7440-59-7	HELIUM	100	l	04/23/2015
0001361624	115-11-7	ISOBUTYLENE 100PPM IN AIR	105	l	04/23/2015
0001361623		CALIBRATION GAS	105	l	04/23/2015
0001361715	7727-37-9	NITROGEN	220	cf	04/23/2015
0001361621		CALIBRATION GAS	105	l	04/23/2015
0001266434	13126-12-0	RUBIDIUM NITRATE	500	mg	04/23/2015
0001361681	7440-59-7	HELIUM	220	cf	04/23/2015
0001361688	7440-59-7	HELIUM	220	cf	04/23/2015
0001361687	7440-59-7	HELIUM	220	cf	04/23/2015
0001361677	7440-59-7	HELIUM	220	cf	04/23/2015
0001361678	7440-59-7	HELIUM	220	cf	04/23/2015
0001361679	7440-59-7	HELIUM	220	cf	04/23/2015
0001361680	7440-59-7	HELIUM	220	cf	04/23/2015
0001361689	7440-59-7	HELIUM	220	cf	04/23/2015
0001361683	7440-59-7	HELIUM	220	cf	04/23/2015
0001361622		CALIBRATION GAS	105	l	04/23/2015
0001361685	7440-59-7	HELIUM	220	cf	04/23/2015
0001361686	7440-59-7	HELIUM	220	cf	04/23/2015
0001361767		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361757		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361758		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361759		ARGON 90% METHANE 10%	220	cf	04/23/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001361760		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361761		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361762		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361763		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361764		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361750		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361766		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361776		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361783	1333-74-0	HYDROGEN	100	l	04/23/2015
0001266436	7647-17-8	CESIUM CHLORIDE	500	mg	04/23/2015
0001266432		Silver Sulfate Ag ₂ (SO ₄)	500	mg	04/23/2015
0001311133		CARB AND CHOKE CLEANER	13	oz	04/23/2015
0001361749		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361765		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001266437	92-52-4	BIPHENYL	500	mg	04/23/2015
0001311128		MOTOR OIL	1	qt	04/23/2015
0001311127		MOTOR OIL	1	qt	04/23/2015
0001311126		MOTOR OIL	1	qt	04/23/2015
0001361782	1333-74-0	HYDROGEN	100	l	04/23/2015
0001361781	1333-74-0	HYDROGEN	100	l	04/23/2015
0001361780	74-86-2	ACETYLENE	10	cf	04/23/2015
0001361779	7727-37-9	NITROGEN	20	cf	04/23/2015
0001361784	1333-74-0	HYDROGEN	100	l	04/23/2015
0001361777	7727-37-9	NITROGEN	20	cf	04/23/2015
0001361771		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001266435	65-85-0	BENZOIC ACID	500	mg	04/23/2015
0001361788	7440-59-7	HELIUM	100	l	04/23/2015
0001361787	7440-59-7	HELIUM	100	l	04/23/2015
0001361786	7440-59-7	HELIUM	100	l	04/23/2015
0001361785	7440-59-7	HELIUM	100	l	04/23/2015
0001266433		Barium Carbonate Ba(CO ₃)	500	mg	04/23/2015
0001361775		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361778	7727-37-9	NITROGEN	20	cf	04/23/2015
0001361769		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361774		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361752		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361751		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361745		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361746		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001311132		CARB AND CHOKE CLEANER	13	oz	04/23/2015
0001361748		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361768		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361754		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361755		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361756		ARGON 90% METHANE 10%	220	cf	04/23/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001361773		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361772		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361753		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001311141		ANTIFREEZE/COOLANT	1	gal	04/23/2015
0001361747		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001361770		ARGON 90% METHANE 10%	220	cf	04/23/2015
0001311158		POWER STEERING FLUID	1	qt	04/24/2015
0001311159		POWER STEERING FLUID	1	qt	04/24/2015
0001311161		POWER STEERING FLUID	1	qt	04/24/2015
0001311160		POWER STEERING FLUID	1	qt	04/24/2015
0001311150		MULTI-PURPOSE GREASE	14.1	oz	04/24/2015
0001311225		BRAKLEEN	14	oz	04/24/2015
0001311142		MULTI-PURPOSE GREASE	14.1	oz	04/24/2015
0001311143		MULTI-PURPOSE GREASE	14.1	oz	04/24/2015
0001311144		MULTI-PURPOSE GREASE	14.1	oz	04/24/2015
0001311145		MULTI-PURPOSE GREASE	14.1	oz	04/24/2015
0001311146		MULTI-PURPOSE GREASE	14.1	oz	04/24/2015
0001332921		BROMICIDE TABLETS	50	lb	04/24/2015
0001311148		MULTI-PURPOSE GREASE	14.1	oz	04/24/2015
0001311149		MULTI-PURPOSE GREASE	14.1	oz	04/24/2015
0001311168		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	04/24/2015
0001332918		BROMICIDE TABLETS	50	lb	04/24/2015
0001332919		BROMICIDE TABLETS	50	lb	04/24/2015
0001311155		POWER STEERING FLUID	1	qt	04/24/2015
0001311156		POWER STEERING FLUID	1	qt	04/24/2015
0001311157		POWER STEERING FLUID	1	qt	04/24/2015
0001311166		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	04/24/2015
0001311167		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	04/24/2015
0001311147		MULTI-PURPOSE GREASE	14.1	oz	04/24/2015
0001311209		ENGINE OIL	1	gal	04/24/2015
0001311179		MOTOR OIL	1	qt	04/24/2015
0001311180		MOTOR OIL	1	qt	04/24/2015
0001311181		MOTOR OIL	1	qt	04/24/2015
0001311182		MOTOR OIL	1	qt	04/24/2015
0001311218		DIESEL FUEL SUPPLEMENT	32	oz	04/24/2015
0001311219		WD-40 NON-AEROSOL	20	oz	04/24/2015
0001332929		BROMICIDE TABLETS	50	lb	04/24/2015
0001332920		BROMICIDE TABLETS	50	lb	04/24/2015
0001311210		ENGINE OIL	1	gal	04/24/2015
0001311176		MOTOR OIL	1	qt	04/24/2015
0001311208		ENGINE OIL	1	gal	04/24/2015
0001311207		ENGINE OIL	1	gal	04/24/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001332930		BROMICIDE TABLETS	50	lb	04/24/2015
0001332931		BROMICIDE TABLETS	50	lb	04/24/2015
0001332932		BROMICIDE TABLETS	50	lb	04/24/2015
0001332933		BROMICIDE TABLETS	50	lb	04/24/2015
0001332934		BROMICIDE TABLETS	50	lb	04/24/2015
0001332935		BROMICIDE TABLETS	50	lb	04/24/2015
0001311151		FUEL STABILIZER	8	oz	04/24/2015
0001332926		BROMICIDE TABLETS	50	lb	04/24/2015
0001311220		WD-40 NON-AEROSOL	20	oz	04/24/2015
0001332936		BROMICIDE TABLETS	50	lb	04/24/2015
0001311169		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	04/24/2015
0001332922		BROMICIDE TABLETS	50	lb	04/24/2015
0001332923		BROMICIDE TABLETS	50	lb	04/24/2015
0001332924		BROMICIDE TABLETS	50	lb	04/24/2015
0001311152		FUEL STABILIZER	8	oz	04/24/2015
0001311153		FUEL STABILIZER	8	oz	04/24/2015
0001311178		MOTOR OIL	1	qt	04/24/2015
0001332925		BROMICIDE TABLETS	50	lb	04/24/2015
0001311177		MOTOR OIL	1	qt	04/24/2015
0001311170		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	04/24/2015
0001311171		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	04/24/2015
0001311172		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	04/24/2015
0001311173		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	04/24/2015
0001311174		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	04/24/2015
0001332927		BROMICIDE TABLETS	50	lb	04/24/2015
0001332928		BROMICIDE TABLETS	50	lb	04/24/2015
0001332917		BROMICIDE TABLETS	50	lb	04/24/2015
0001311154		FUEL STABILIZER	8	oz	04/24/2015
0001311190		ENGINE OIL	1	gal	04/24/2015
0001311195		ENGINE OIL	1	gal	04/24/2015
0001311194		ENGINE OIL	1	gal	04/24/2015
0001311193		ENGINE OIL	1	gal	04/24/2015
0001311192		ENGINE OIL	1	gal	04/24/2015
0001311191		ENGINE OIL	1	gal	04/24/2015
0001311164		GEAR OIL 80-90	1	qt	04/24/2015
0001311235		WINDSHIELD WASHER FLUID	1	gal	04/24/2015
0001311204		ENGINE OIL	1	gal	04/24/2015
0001311221		BRACLEEN	14	oz	04/24/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001311223		BRACLEEN	14	oz	04/24/2015
0001311205		ENGINE OIL	1	gal	04/24/2015
0001311202		ENGINE OIL	1	gal	04/24/2015
0001311165		GEAR OIL 80-90	1	qt	04/24/2015
0001311183		ENGINE OIL	1	gal	04/24/2015
0001311184		ENGINE OIL	1	gal	04/24/2015
0001311185		ENGINE OIL	1	gal	04/24/2015
0001311186		ENGINE OIL	1	gal	04/24/2015
0001311232		WINDSHIELD WASHER FLUID	1	gal	04/24/2015
0001311189		ENGINE OIL	1	gal	04/24/2015
0001311188		ENGINE OIL	1	gal	04/24/2015
0001311187		ENGINE OIL	1	gal	04/24/2015
0001311233		WINDSHIELD WASHER FLUID	1	gal	04/24/2015
0001311234		WINDSHIELD WASHER FLUID	1	gal	04/24/2015
0001311203		ENGINE OIL	1	gal	04/24/2015
0001311226		WINDSHIELD WASHER FLUID	1	gal	04/24/2015
0001311198		ENGINE OIL	1	gal	04/24/2015
0001311199		ENGINE OIL	1	gal	04/24/2015
0001311200		ENGINE OIL	1	gal	04/24/2015
0001311217		AIR TOOL OIL	15	oz	04/24/2015
0001311197		ENGINE OIL	1	gal	04/24/2015
0001311227		WINDSHIELD WASHER FLUID	1	gal	04/24/2015
0001311206		ENGINE OIL	1	gal	04/24/2015
0001311201		ENGINE OIL	1	gal	04/24/2015
0001311224		BRACLEEN	14	oz	04/24/2015
0001311222		BRACLEEN	14	oz	04/24/2015
0001311196		ENGINE OIL	1	gal	04/24/2015
0001311229		WINDSHIELD WASHER FLUID	1	gal	04/24/2015
0001311230		WINDSHIELD WASHER FLUID	1	gal	04/24/2015
0001311231		WINDSHIELD WASHER FLUID	1	gal	04/24/2015
0001311228		WINDSHIELD WASHER FLUID	1	gal	04/24/2015
0001311163		GEAR OIL 80-90	1	qt	04/24/2015
0001311162		GEAR OIL 80-90	1	qt	04/24/2015
0001311175		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	04/24/2015
0001340255	13494-80-9	TELLURIUM	25	gm	04/25/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001340132		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340131		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340111		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340094	108-88-3	TOLUENE	4	l	04/27/2015
0001340133		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340092	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	ml	04/27/2015
0001340134		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340093	108-88-3	TOLUENE	4	l	04/27/2015
0001340213		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340154		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340155		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340153		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340033	7697-37-2	NITRIC ACID OPTIMA	500	ml	04/27/2015
0001340156		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340157		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340158		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340095		Formamidinium iodide	10	gm	04/27/2015
0001340151		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340029		ARATHANE 5750-A/B	920	gm	04/27/2015
0001340160		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340212		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340161		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340200		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340135		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340096	14965-49-2	Methylammonium iodide	50	gm	04/27/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001340152		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340159		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340187		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340112		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340113		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340114		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340115		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340116		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340117		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340118		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340035	7697-37-2	NITRIC ACID OPTIMA	500	ml	04/27/2015
0001340188		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340079	302-01-2	HYDRAZINE, ANHYDROUS	100	gm	04/27/2015
0001340186		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340024	7697-37-2	NITRIC ACID OPTIMA	2	l	04/27/2015
0001340025	593-84-0	RNeasy MinElute Cleanup Kit	2	ml	04/27/2015
0001340026	593-84-0	RNeasy MinElute Cleanup Kit	2	ml	04/27/2015
0001340028	109-99-9	TETRAHYDROFURAN	1	l	04/27/2015
0001340030	7697-37-2	NITRIC ACID OPTIMA	500	ml	04/27/2015
0001340119		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340189		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340190		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340198		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340197		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340196		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001340195		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340075	10361-92-9	YTTRIUM(III) CHLORIDE ANHYDROUS	25	gm	04/27/2015
0001340194		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340193		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340083	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	ml	04/27/2015
0001340191		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340082	67-63-0	2-PROPANOL	4	l	04/27/2015
0001340202		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340034	7697-37-2	NITRIC ACID OPTIMA	500	ml	04/27/2015
0001340203		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340032	7697-37-2	NITRIC ACID OPTIMA	500	ml	04/27/2015
0001340031	7697-37-2	NITRIC ACID OPTIMA	500	ml	04/27/2015
0001340077		NIOBIUM POWDER	500	ml	04/27/2015
0001340078	769-92-6	4-tert-Butylaniline	2.5	ml	04/27/2015
0001340199		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340192		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340221		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340123		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340141		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340140		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340139		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340138		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340137		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340201		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340143		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001340084	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	ml	04/27/2015
0001340144		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340085	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	ml	04/27/2015
0001340120		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340220		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340219		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340218		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340086	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	ml	04/27/2015
0001340121		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340122		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340080	302-01-2	HYDRAZINE, ANHYDROUS	100	gm	04/27/2015
0001340149		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340230		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340229		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340228		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340227		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340226		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340225		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340224		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340142		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340150		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340081	67-63-0	2-PROPANOL	4	l	04/27/2015
0001340148		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001340147		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340146		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340038		CSM-2 DEGREASER	20	oz	04/27/2015
0001340037		CSM-2 DEGREASER	20	oz	04/27/2015
0001340036		CSM-2 DEGREASER	20	oz	04/27/2015
0001340222		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340145		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340223		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340211		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001334928	1310-73-2	Sodium Hydroxide 25%	3400	lb	04/27/2015
0001340091	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	ml	04/27/2015
0001340214		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340215		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001334927	1310-73-2	Sodium Hydroxide 25%	3400	lb	04/27/2015
0001340185		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340184		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340216		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001334929	1310-73-2	Sodium Hydroxide 25%	3400	lb	04/27/2015
0001340124		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001334926	1310-73-2	Sodium Hydroxide 25%	3400	lb	04/27/2015
0001340136		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340210		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340209		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340208		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340207		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340206		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001340205		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340204		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340217		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340129		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001334930	1310-73-2	Sodium Hydroxide 25%	3400	lb	04/27/2015
0001340126		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340127		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340128		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340125		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340130		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340087	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	ml	04/27/2015
0001340088	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	ml	04/27/2015
0001340089	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	ml	04/27/2015
0001340090	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	ml	04/27/2015
0001340178		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340076		NIOBIUM POWDER	500	ml	04/27/2015
0001340162		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340027	71-36-3	1-BUTANOL	1	l	04/27/2015
0001340170		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340165		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340166		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340167		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340183		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340182		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001340181		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340180		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340179		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340176		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340169		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340177		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340171		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340172		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340173		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340163		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340174		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340164		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340175		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340168		FANTASTIKE ALL PURPOSE CLEANER	32	oz	04/27/2015
0001340107	1141-59-9	4-(2-PYRIDYLAZO)RESORCINOL	25	gm	04/28/2015
0001340247		ORION 94 SERIES IONIC STRENGTH ADJUSTOR (5M SODIUM NITRATE)	475	ml	04/28/2015
0001340106		CLEANER CONTREX CONCENTRATED ALKALINE CLEANER	10	qt	04/28/2015
0001334920		AEON PD	14	oz	04/28/2015
0001340249	12060-08-1	SCANDIUM(III) OXIDE	5	gm	04/28/2015
0001004889	108-88-3	DAS Curb Marker Adhesive	5	oz	04/28/2015
0001340246	7647-15-6	BROMIDE STANDARD (0.1 M)	475	ml	04/28/2015
0001340108	75-52-5	NITROMETHANE	100	ml	04/28/2015
0001340248	1309-48-4	MAGNESIUM OXIDE	5	gal	04/28/2015
0001340250	1633-05-2	STRONTIUM CARBONATE	10	gm	04/28/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001340109	23978-09-8	4,7,13,16,21,24-HEXAOXA-1,10-DIAZABICYCLO[8.8.8]HEXACOSANE	1	gm	04/28/2015
0001340104		HiPur Denatured Ethanol	5	gal	04/28/2015
0001381395		GLASS CLEANER	1	qt	04/28/2015
0001340241	630-10-4	SELENOUREA	5	gm	04/28/2015
0001381396		EMEREL MULTI-SURFACE CREAM CLEANSER	1	qt	04/28/2015
0001340103		Acetamidinium iodide	5	gm	04/28/2015
0001340105		HiPur Denatured Ethanol	5	gal	04/28/2015
0001340251	584-08-7	POTASSIUM CARBONATE	50	gm	04/28/2015
0001340244		DET-O-JET DETERGENT	1	qt	04/28/2015
0001340097	19227-70-4	Guanidinium iodide	5	gm	04/28/2015
0001381394		CMP ELITE Z PUMP FLUID	1	qt	04/28/2015
0001328316		ACTIVATED CARBON	3	lb	04/28/2015
0001004886	108-88-3	DAS Curb Marker Adhesive	5	oz	04/28/2015
0001004890	108-88-3	DAS Curb Marker Adhesive	5	oz	04/28/2015
0001004891	108-88-3	DAS Curb Marker Adhesive	5	oz	04/28/2015
0001334918		AEON PD	1	qt	04/28/2015
0001340245		CITRANOX ACID CLEANER LIQUID DETERGENT	1	gal	04/28/2015
0001340102		18NR-AO Active Opaque Titania Paste	10	gm	04/28/2015
0001340243	7101-31-7	DIMETHYL DISELENIDE	1	gm	04/28/2015
0001340242	3425-46-5	POTASSIUM SELENOCYANATE	50	gm	04/28/2015
0001340240	630-10-4	SELENOUREA	5	gm	04/28/2015
0001381400		GLASS AND MULTI-SURFACE CLEANER	1	qt	04/28/2015
0001340098	68007-08-9	Imidazolium iodide	5	gm	04/28/2015
0001004887	108-88-3	DAS Curb Marker Adhesive	5	oz	04/28/2015
0001004888	108-88-3	DAS Curb Marker Adhesive	5	oz	04/28/2015
0001004892	108-88-3	DAS Curb Marker Adhesive	5	oz	04/28/2015
0001340238	1513-65-1	2,6-Difluoropyridine	100	gm	04/28/2015
0001340257	64742-65-0	CMP 20 Vacuum Pump Fluid	1	gal	04/28/2015
0001340256	67-63-0	2-PROPANOL	4	l	04/28/2015
0001340254		AquaPhoenix Adenosine Triphosphate	1	gm	04/28/2015
0001340253	7446-70-0	ALUMINUM CHLORIDE, ANHYDROUS	1	kg	04/28/2015
0001340252	1700-10-3	1,3-Cyclooctadiene	25	gm	04/28/2015
0001334923		AEON PD	14	oz	04/28/2015
0001334922		AEON PD	14	oz	04/28/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001328319		ACTIVATED CARBON	3	lb	04/28/2015
0001340239	1513-65-1	2,6-Difluoropyridine	100	gm	04/28/2015
0001328314		ACTIVATED CARBON	3	lb	04/28/2015
0001328327		ACTIVATED CARBON	3	lb	04/28/2015
0001328326		ACTIVATED CARBON	3	lb	04/28/2015
0001328325		ACTIVATED CARBON	3	lb	04/28/2015
0001328324		ACTIVATED CARBON	3	lb	04/28/2015
0001328323		ACTIVATED CARBON	3	lb	04/28/2015
0001328322		ACTIVATED CARBON	3	lb	04/28/2015
0001328321		ACTIVATED CARBON	3	lb	04/28/2015
0001328320		ACTIVATED CARBON	3	lb	04/28/2015
0001334921		AEON PD	14	oz	04/28/2015
0001332952		TFE (TEFLON) ANTI-SEIZE THREAD SEALING COMPPOUND	0.5	pt	04/28/2015
0001334919		AEON PD	1	qt	04/28/2015
0001381392		CMP ELITE Z PUMP FLUID	1	qt	04/28/2015
0001381391		732 SEALANT	139	ml	04/28/2015
0001381388		ANTI-BACTERIAL FANTASTIC	1	qt	04/28/2015
0001340258	64742-65-0	CMP 20 Vacuum Pump Fluid	1	gal	04/28/2015
0001332947		TFE (TEFLON) ANTI-SEIZE THREAD SEALING COMPPOUND	0.5	pt	04/28/2015
0001332948		TFE (TEFLON) ANTI-SEIZE THREAD SEALING COMPPOUND	0.5	pt	04/28/2015
0001332949		TFE (TEFLON) ANTI-SEIZE THREAD SEALING COMPPOUND	0.5	pt	04/28/2015
0001340110	25322-68-3	POLY(ETHYLENE OXIDE)	500	gm	04/28/2015
0001332951		TFE (TEFLON) ANTI-SEIZE THREAD SEALING COMPPOUND	0.5	pt	04/28/2015
0001381390		GLASS CLEANER	1	qt	04/28/2015
0001332953		TFE (TEFLON) ANTI-SEIZE THREAD SEALING COMPPOUND	0.5	pt	04/28/2015
0001332954		TFE (TEFLON) ANTI-SEIZE THREAD SEALING COMPPOUND	0.5	pt	04/28/2015
0001332955		TFE (TEFLON) ANTI-SEIZE THREAD SEALING COMPPOUND	0.5	pt	04/28/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001332956		TFE (TEFLON) ANTI-SEIZE THREAD SEALING COMPPOUND	0.5	pt	04/28/2015
0001340101	19833-78-4	Dimethylammonium iodide	5	gm	04/28/2015
0001381398		GLASS AND MULTI-SURFACE CLEANER	1	qt	04/28/2015
0001381399		GLASS AND MULTI-SURFACE CLEANER	1	qt	04/28/2015
0001381393		CMP ELITE Z PUMP FLUID	1	qt	04/28/2015
0001332950		TFE (TEFLON) ANTI-SEIZE THREAD SEALING COMPPOUND	0.5	pt	04/28/2015
0001340234	7439-95-4	MAGNESIUM METAL PIECES	25	gm	04/28/2015
0001340233	7439-95-4	MAGNESIUM METAL PIECES	25	gm	04/28/2015
0001340232		COPPER CATALYST	1	kg	04/28/2015
0001340231		COPPER CATALYST	1	kg	04/28/2015
0001381389		3 IN 1 HOUSEHOLD OIL	3	oz	04/28/2015
0001381397		GLASS KLEEN	1	qt	04/28/2015
0001328318		ACTIVATED CARBON	3	lb	04/28/2015
0001340235	16219-75-3	5-Ethylidene-2-norbornene	500	ml	04/28/2015
0001340236	16219-75-3	5-Ethylidene-2-norbornene	500	ml	04/28/2015
0001340237	7782-49-2	SELENIUM POWDER	50	gm	04/28/2015
0001144934		ACTIVATED CARBON	3	lb	04/28/2015
0001328313		ACTIVATED CARBON	3	lb	04/28/2015
0001328315		ACTIVATED CARBON	3	lb	04/28/2015
0001328317		ACTIVATED CARBON	3	lb	04/28/2015
0001340290	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5	l	04/29/2015
0001340287	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5	l	04/29/2015
0001340288	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5	l	04/29/2015
0001340285	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5	l	04/29/2015
0001340289	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5	l	04/29/2015
0001340286	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5	l	04/29/2015
0001340291	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5	l	04/29/2015
0001340292	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5	l	04/29/2015
0001340293	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5	l	04/29/2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001340294	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5 l		04/29/2015
0001340284	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5 l		04/29/2015
0001340268	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5 l		04/29/2015
0001340269	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5 l		04/29/2015
0001340270	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5 l		04/29/2015
0001340271	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5 l		04/29/2015
0001340263	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5 l		04/29/2015
0001340295	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5 l		04/29/2015
0001333131		100% SILICONE RUBBER SEALANT	10 oz		04/29/2015
0001340265	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5 l		04/29/2015
0001340264	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5 l		04/29/2015
0001340266	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5 l		04/29/2015
0001340267	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5 l		04/29/2015
0001333160		100% SILICONE RUBBER SEALANT	10 oz		04/29/2015
0001332977		FANTASTIK ALL PURPOSE CLEANER	1 qt		04/29/2015
0001332976		FANTASTIK ALL PURPOSE CLEANER	1 qt		04/29/2015
0001333134		100% SILICONE RUBBER SEALANT	10 oz		04/29/2015
0001333126		100% SILICONE RUBBER SEALANT	10 oz		04/29/2015
0001333132		100% SILICONE RUBBER SEALANT	10 oz		04/29/2015
0001340283	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5 l		04/29/2015
0001333130		100% SILICONE RUBBER SEALANT	10 oz		04/29/2015
0001333129		100% SILICONE RUBBER SEALANT	10 oz		04/29/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001333128		100% SILICONE RUBBER SEALANT	10	oz	04/29/2015
0001340275	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5	l	04/29/2015
0001333127		100% SILICONE RUBBER SEALANT	10	oz	04/29/2015
0001340262	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5	l	04/29/2015
0001340281	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5	l	04/29/2015
0001340282	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5	l	04/29/2015
0001333133		100% SILICONE RUBBER SEALANT	10	oz	04/29/2015
0001333109		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001332983		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001332984		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001340354		DEFOAMER	1	gm	04/29/2015
0001333103		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333104		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333105		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333106		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001332987		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001333108		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001332995		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001340353		DEFOAMER	1	gm	04/29/2015
0001332985		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001332992		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001332991		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001332986		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001333110		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001332978		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001333107		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001332974		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001340260	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5	l	04/29/2015
0001340259	6485-79-6	TRIISOPROPYLSILANE	250	gm	04/29/2015
0001332990		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001332989		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001332988		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001332975		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001340274	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5	l	04/29/2015
0001332993		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001340272	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5	l	04/29/2015
0001332994		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001332973		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001332972		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001332979		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001332980		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001332981		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001332982		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001332996		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001340261	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5	l	04/29/2015
0001340273	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5	l	04/29/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001340374	110-71-4	1,2-DIMETHOXYETHANE	1200	ml	04/29/2015
0001333098		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001340369	110-71-4	1,2-DIMETHOXYETHANE	1200	ml	04/29/2015
0001340370	110-71-4	1,2-DIMETHOXYETHANE	1200	ml	04/29/2015
0001340371	110-71-4	1,2-DIMETHOXYETHANE	1200	ml	04/29/2015
0001333022		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001340367	110-71-4	1,2-DIMETHOXYETHANE	1200	ml	04/29/2015
0001340373	110-71-4	1,2-DIMETHOXYETHANE	1200	ml	04/29/2015
0001340366	110-71-4	1,2-DIMETHOXYETHANE	1200	ml	04/29/2015
0001340375	110-71-4	1,2-DIMETHOXYETHANE	1200	ml	04/29/2015
0001333084		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333102		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333101		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333100		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333012		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001340372	110-71-4	1,2-DIMETHOXYETHANE	1200	ml	04/29/2015
0001333115		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001340364	110-71-4	1,2-DIMETHOXYETHANE	1200	ml	04/29/2015
0001340377	63148-62-9	PURE SILICONE FLUID	1	gal	04/29/2015
0001340378	63148-62-9	PURE SILICONE FLUID	1	gal	04/29/2015
0001332959		ARDEX FEATHER FINISH	10	lb	04/29/2015
0001332960		ARDEX FEATHER FINISH	10	lb	04/29/2015
0001340368	110-71-4	1,2-DIMETHOXYETHANE	1200	ml	04/29/2015
0001340361	123333-85-7	Lithium thiocyanate hydrate	50	gm	04/29/2015
0001333097		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333114		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333113		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333112		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333111		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001340362	326-91-0	2-Thenoyltrifluoroacetone	25	gm	04/29/2015
0001340365	110-71-4	1,2-DIMETHOXYETHANE	1200	ml	04/29/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001332847		ready mix concrete	60	lb	04/29/2015
0001333091		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333099		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001340329	7439-95-4	MAGNESIUM METAL PIECES	25	gm	04/29/2015
0001340330	7439-95-4	MAGNESIUM METAL PIECES	25	gm	04/29/2015
0001340331	7439-95-4	MAGNESIUM METAL PIECES	25	gm	04/29/2015
0001332848		ready mix concrete	60	lb	04/29/2015
0001340327	7439-95-4	MAGNESIUM METAL PIECES	25	gm	04/29/2015
0001333092		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001340326	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	1	l	04/29/2015
0001333090		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333089		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333088		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333087		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333041		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001332957		ARDEX FEATHER FINISH	10	lb	04/29/2015
0001333093		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333003		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001333096		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333095		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333094		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333007		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001333006		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001340328	7439-95-4	MAGNESIUM METAL PIECES	25	gm	04/29/2015
0001333004		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001332851		ready mix concrete	60	lb	04/29/2015
0001333002		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001333001		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001333000		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001332999		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001332998		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001332997		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001333005		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001333020		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001340363	326-91-0	2-Thenoyltrifluoroacetone	25	gm	04/29/2015
0001340301	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5	l	04/29/2015
0001340302	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5	l	04/29/2015
0001340303	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5	l	04/29/2015
0001333017		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001340299	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5	l	04/29/2015
0001333019		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001328935		M-BOND 610 ADHESIVE	1	oz	04/29/2015
0001333021		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001333123		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001340304	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5	l	04/29/2015
0001340305	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5	l	04/29/2015
0001340306	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5	l	04/29/2015
0001340307	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5	l	04/29/2015
0001333018		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001328942		M-COAT C	1	oz	04/29/2015
0001333011		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001333010		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001333009		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001333008		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001333124		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001340300	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5	l	04/29/2015
0001332938		ready mix concrete	60	lb	04/29/2015
0001340310	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5	l	04/29/2015
0001328937		M-BOND 610 ADHESIVE	1	oz	04/29/2015
0001333013		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001333014		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001333015		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001333016		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001328936		M-BOND 610 ADHESIVE	1	oz	04/29/2015
0001332958		ARDEX FEATHER FINISH	10	lb	04/29/2015
0001340277	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5	l	04/29/2015
0001333121		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333120		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333119		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333125		100% SILICONE RUBBER SEALANT	10	oz	04/29/2015
0001333117		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001340308	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5	l	04/29/2015
0001340276	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5	l	04/29/2015
0001340324	13769-20-5	EUROPIUM(II) CHLORIDE	1	gm	04/29/2015
0001340278	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5	l	04/29/2015
0001340279	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5	l	04/29/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001340280	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5 l		04/29/2015
0001332849		ready mix concrete	60 lb		04/29/2015
0001332850		ready mix concrete	60 lb		04/29/2015
0001333043		FANTASTIK ALL PURPOSE CLEANER	1 qt		04/29/2015
0001333116		PREMIUM BLUE 15W40 DIESEL OIL	1 gal		04/29/2015
0001340318	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5 l		04/29/2015
0001332852		ready mix concrete	60 lb		04/29/2015
0001340311	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5 l		04/29/2015
0001340312	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5 l		04/29/2015
0001340313	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5 l		04/29/2015
0001340314	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5 l		04/29/2015
0001340315	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5 l		04/29/2015
0001333122		PREMIUM BLUE 15W40 DIESEL OIL	1 gal		04/29/2015
0001340317	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5 l		04/29/2015
0001340325	13769-20-5	EUROPIUM(II) CHLORIDE	1 gm		04/29/2015
0001340319	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5 l		04/29/2015
0001340320	108-88-3	TOLUENE	1 l		04/29/2015
0001340321	108-88-3	TOLUENE	1 l		04/29/2015
0001340322	108-88-3	TOLUENE	1 l		04/29/2015
0001340323	108-88-3	TOLUENE	1 l		04/29/2015
0001340309	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5 l		04/29/2015
0001340316	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5 l		04/29/2015
0001332942		ready mix concrete	60 lb		04/29/2015
0001328927		M-PREP NEUTRALIZER 5A	25 oz		04/29/2015
0001333144		100% SILICONE RUBBER SEALANT	10 oz		04/29/2015
0001333145		100% SILICONE RUBBER SEALANT	10 oz		04/29/2015
0001333063		PREMIUM BLUE 15W40 DIESEL OIL	1 gal		04/29/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001333146		100% SILICONE RUBBER SEALANT	10	oz	04/29/2015
0001333147		100% SILICONE RUBBER SEALANT	10	oz	04/29/2015
0001333148		100% SILICONE RUBBER SEALANT	10	oz	04/29/2015
0001333149		100% SILICONE RUBBER SEALANT	10	oz	04/29/2015
0001333150		100% SILICONE RUBBER SEALANT	10	oz	04/29/2015
0001333151		100% SILICONE RUBBER SEALANT	10	oz	04/29/2015
0001333152		100% SILICONE RUBBER SEALANT	10	oz	04/29/2015
0001332939		ready mix concrete	60	lb	04/29/2015
0001333142		100% SILICONE RUBBER SEALANT	10	oz	04/29/2015
0001332941		ready mix concrete	60	lb	04/29/2015
0001333141		100% SILICONE RUBBER SEALANT	10	oz	04/29/2015
0001332943		ready mix concrete	60	lb	04/29/2015
0001332944		ready mix concrete	60	lb	04/29/2015
0001332945		ready mix concrete	60	lb	04/29/2015
0001332946		ready mix concrete	60	lb	04/29/2015
0001333153		100% SILICONE RUBBER SEALANT	10	oz	04/29/2015
0001333154		100% SILICONE RUBBER SEALANT	10	oz	04/29/2015
0001333155		100% SILICONE RUBBER SEALANT	10	oz	04/29/2015
0001332971		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001333157		100% SILICONE RUBBER SEALANT	10	oz	04/29/2015
0001333042		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001333159		100% SILICONE RUBBER SEALANT	10	oz	04/29/2015
0001333061		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001328921		M-PREP CONDITIONER A	2	oz	04/29/2015
0001332940		ready mix concrete	60	lb	04/29/2015
0001333071		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001340296	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5 l		04/29/2015
0001340297	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5 l		04/29/2015
0001340298	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5 l		04/29/2015
0001332970		FANTASTIK ALL PURPOSE CLEANER	1 qt		04/29/2015
0001332969		FANTASTIK ALL PURPOSE CLEANER	1 qt		04/29/2015
0001332968		FANTASTIK ALL PURPOSE CLEANER	1 qt		04/29/2015
0001332967		FANTASTIK ALL PURPOSE CLEANER	1 qt		04/29/2015
0001332966		FANTASTIK ALL PURPOSE CLEANER	1 qt		04/29/2015
0001332965		FANTASTIK ALL PURPOSE CLEANER	1 qt		04/29/2015
0001332964		FANTASTIK ALL PURPOSE CLEANER	1 qt		04/29/2015
0001333030		FANTASTIK ALL PURPOSE CLEANER	1 qt		04/29/2015
0001333029		FANTASTIK ALL PURPOSE CLEANER	1 qt		04/29/2015
0001333143		100% SILICONE RUBBER SEALANT	10 oz		04/29/2015
0001333027		FANTASTIK ALL PURPOSE CLEANER	1 qt		04/29/2015
0001333062		PREMIUM BLUE 15W40 DIESEL OIL	1 gal		04/29/2015
0001333070		PREMIUM BLUE 15W40 DIESEL OIL	1 gal		04/29/2015
0001333069		PREMIUM BLUE 15W40 DIESEL OIL	1 gal		04/29/2015
0001333068		PREMIUM BLUE 15W40 DIESEL OIL	1 gal		04/29/2015
0001333067		PREMIUM BLUE 15W40 DIESEL OIL	1 gal		04/29/2015
0001333066		PREMIUM BLUE 15W40 DIESEL OIL	1 gal		04/29/2015
0001333065		PREMIUM BLUE 15W40 DIESEL OIL	1 gal		04/29/2015
0001333135		100% SILICONE RUBBER SEALANT	10 oz		04/29/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001333136		100% SILICONE RUBBER SEALANT	10	oz	04/29/2015
0001333137		100% SILICONE RUBBER SEALANT	10	oz	04/29/2015
0001333138		100% SILICONE RUBBER SEALANT	10	oz	04/29/2015
0001333064		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333139		100% SILICONE RUBBER SEALANT	10	oz	04/29/2015
0001333140		100% SILICONE RUBBER SEALANT	10	oz	04/29/2015
0001333028		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001333158		100% SILICONE RUBBER SEALANT	10	oz	04/29/2015
0001340339	7439-95-4	MAGNESIUM METAL PIECES	25	gm	04/29/2015
0001340338	7439-95-4	MAGNESIUM METAL PIECES	25	gm	04/29/2015
0001340337	7439-95-4	MAGNESIUM METAL PIECES	25	gm	04/29/2015
0001328933		M-LINE ROSIN SOLVENT	1	oz	04/29/2015
0001340335	7439-95-4	MAGNESIUM METAL PIECES	25	gm	04/29/2015
0001333156		100% SILICONE RUBBER SEALANT	10	oz	04/29/2015
0001340333	7439-95-4	MAGNESIUM METAL PIECES	25	gm	04/29/2015
0001340332	7439-95-4	MAGNESIUM METAL PIECES	25	gm	04/29/2015
0001333024		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001333023		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001332963		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001332962		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001340340	7439-95-4	MAGNESIUM METAL PIECES	25	gm	04/29/2015
0001333075		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001340336	7439-95-4	MAGNESIUM METAL PIECES	25	gm	04/29/2015
0001340376	63148-62-9	PURE SILICONE FLUID	1	gal	04/29/2015
0001333074		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333073		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333072		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001333085		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333086		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333050		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333049		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333048		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333047		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333046		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333044		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001333045		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333059		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001328934		M-BOND 610 ADHESIVE	1	oz	04/29/2015
0001328938		M-BOND 610 CURE	1	oz	04/29/2015
0001328939		M-BOND 610 CURE	1	oz	04/29/2015
0001328940		M-BOND 610 CURE	1	oz	04/29/2015
0001328941		M-BOND 610 CURE	1	oz	04/29/2015
0001340344	7439-95-4	MAGNESIUM METAL PIECES	25	gm	04/29/2015
0001340343	7439-95-4	MAGNESIUM METAL PIECES	25	gm	04/29/2015
0001340334	7439-95-4	MAGNESIUM METAL PIECES	25	gm	04/29/2015
0001333060		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333025		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015
0001333058		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333057		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333056		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333055		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333076		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001340342	7439-95-4	MAGNESIUM METAL PIECES	25	gm	04/29/2015
0001333026		FANTASTIK ALL PURPOSE CLEANER	1	qt	04/29/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001333054		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333077		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001340341	7439-95-4	MAGNESIUM METAL PIECES	25	gm	04/29/2015
0001333078		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333079		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333081		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333082		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333083		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333051		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333052		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333053		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001333080		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	04/29/2015
0001328931		M-PREP NEUTRALIZER 5A	25	oz	04/29/2015
0001340403		ULTIMA GOLD AB 2X5 LITERS	10	l	04/29/2015
0001328932		M-PREP NEUTRALIZER 5A	25	oz	04/29/2015
0001328930		M-PREP NEUTRALIZER 5A	25	oz	04/29/2015
0001328928		M-PREP NEUTRALIZER 5A	25	oz	04/29/2015
0001328926		M-PREP CONDITIONER A	2	oz	04/29/2015
0001328925		M-PREP CONDITIONER A	2	oz	04/29/2015
0001328924		M-PREP CONDITIONER A	2	oz	04/29/2015
0001328923		M-PREP CONDITIONER A	2	oz	04/29/2015
0001328922		M-PREP CONDITIONER A	2	oz	04/29/2015
0001334932	7732-18-5	Hydrochloric Acid 30-31%	3000	lb	04/29/2015
0001334931	7705-08-0	FERRIC CHLORIDE	3400	lb	04/29/2015
0001340407		ULTIMA GOLD AB 2X5 LITERS	10	l	04/29/2015
0001340406		ULTIMA GOLD AB 2X5 LITERS	10	l	04/29/2015
0001328929		M-PREP NEUTRALIZER 5A	25	oz	04/29/2015
0001340404		ULTIMA GOLD AB 2X5 LITERS	10	l	04/29/2015
0001340345	652-31-3	2,3,4,5,6-Pentafluorobenzamide	5	gm	04/29/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001340402		ULTIMA GOLD AB 2X5 LITERS	10 l		04/29/2015
0001340401	67-63-0	ISOPROPYL ALCOHOL	5 gal		04/29/2015
0001340400	67-63-0	ISOPROPYL ALCOHOL	5 gal		04/29/2015
0001340399	67-63-0	ISOPROPYL ALCOHOL	5 gal		04/29/2015
0001340360	67-63-0	2-PROPANOL	4 l		04/29/2015
0001340359	67-63-0	2-PROPANOL	4 l		04/29/2015
0001340358	67-64-1	ACETONE REAGENT ACS	4 l		04/29/2015
0001340357	67-64-1	ACETONE REAGENT ACS	4 l		04/29/2015
0001340356	13813-23-5	PRASEODYMIUM(III) IODIDE	1 gm		04/29/2015
0001340355	13813-23-5	PRASEODYMIUM(III) IODIDE	1 gm		04/29/2015
0001340352	108-32-7	CYCLIC PROPYLENE CARBONATE	1000 gm		04/29/2015
0001340351	6108-23-2	Lithium formate monohydrate	50 gm		04/29/2015
0001340350	112-80-1	OLEIC ACID	1000 ml		04/29/2015
0001340405		ULTIMA GOLD AB 2X5 LITERS	10 l		04/29/2015
0001333038		FANTASTIK ALL PURPOSE CLEANER	1 qt		04/29/2015
0001333031		FANTASTIK ALL PURPOSE CLEANER	1 qt		04/29/2015
0001333033		FANTASTIK ALL PURPOSE CLEANER	1 qt		04/29/2015
0001333034		FANTASTIK ALL PURPOSE CLEANER	1 qt		04/29/2015
0001333035		FANTASTIK ALL PURPOSE CLEANER	1 qt		04/29/2015
0001333037		FANTASTIK ALL PURPOSE CLEANER	1 qt		04/29/2015
0001333039		FANTASTIK ALL PURPOSE CLEANER	1 qt		04/29/2015
0001333040		FANTASTIK ALL PURPOSE CLEANER	1 qt		04/29/2015
0001333032		FANTASTIK ALL PURPOSE CLEANER	1 qt		04/29/2015
0001333036		FANTASTIK ALL PURPOSE CLEANER	1 qt		04/29/2015
0001340437	7664-93-9	SULFURIC ACID	2 l		04/30/2015
0001340445	7722-84-1	HYDROGEN PEROXIDE 30%	100 ml		04/30/2015
0001340444	7722-84-1	HYDROGEN PEROXIDE 30%	100 ml		04/30/2015
0001340443	7664-93-9	SULFURIC ACID	2 l		04/30/2015
0001340442	7664-93-9	SULFURIC ACID	2 l		04/30/2015
0001340441	7664-93-9	SULFURIC ACID	2 l		04/30/2015
0001340440	7664-93-9	SULFURIC ACID	2 l		04/30/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001340467		RAPAMYCIN	200	ul	04/30/2015
0001340438	7664-93-9	SULFURIC ACID	2	l	04/30/2015
0001340436	7664-93-9	SULFURIC ACID	2	l	04/30/2015
0001340439	7664-93-9	SULFURIC ACID	2	l	04/30/2015
0001340416	2206-26-0	ACETONITRILE-D3	25	gm	04/30/2015
0001340464		TOSOH-ZIRCONIA	1	kg	04/30/2015
0001333170		100% SILICONE RUBBER SEALANT	10	oz	04/30/2015
0001333171		100% SILICONE RUBBER SEALANT	10	oz	04/30/2015
0001333172		100% SILICONE RUBBER SEALANT	10	oz	04/30/2015
0001340421	67-68-5	DIMETHYL SULFOXIDE	50	gm	04/30/2015
0001340420	67-68-5	DIMETHYL SULFOXIDE	50	gm	04/30/2015
0001340419	67-68-5	DIMETHYL SULFOXIDE	50	gm	04/30/2015
0001333168		100% SILICONE RUBBER SEALANT	10	oz	04/30/2015
0001340417	1076-43-3	BENZENE D6	1	ml	04/30/2015
0001333167		100% SILICONE RUBBER SEALANT	10	oz	04/30/2015
0001340415	2206-26-0	ACETONITRILE-D3	1	gm	04/30/2015
0001340413	14965-49-2	Methanamine hydriodide	5	gm	04/30/2015
0001340412	14965-49-2	Methanamine hydriodide	5	gm	04/30/2015
0001340468	67-68-5	DIMETHYL SULFOXIDE	500	ml	04/30/2015
0001333189		PERMACRYL INTERIOR SEMI-GLOSS WHITE BASE	30.4	oz	04/30/2015
0001340465		TOSOH-ZIRCONIA	1	kg	04/30/2015
0001340446	7722-84-1	HYDROGEN PEROXIDE 30%	100	ml	04/30/2015
0001340463		TOSOH-ZIRCONIA	1	kg	04/30/2015
0001340418	67-68-5	DIMETHYL SULFOXIDE	50	gm	04/30/2015
0001340432	50-81-7	L-ASCORBIC ACID	100	gm	04/30/2015
0001340423	872-50-4	1-METHYL-2-PYRROLIDINONE	1	l	04/30/2015
0001340424	1074-36-8	4-MERCAPTOBENZOIC ACID	5	gm	04/30/2015
0001340425	1074-36-8	4-MERCAPTOBENZOIC ACID	5	gm	04/30/2015
0001340426	6080-56-4	LEAD(II) ACETATE TRIHYDRATE	25	gm	04/30/2015
0001340427	1762-95-4	AMMONIUM THIOCYANATE	500	gm	04/30/2015
0001340428	50-81-7	L-ASCORBIC ACID	100	gm	04/30/2015
0001340429	50-81-7	L-ASCORBIC ACID	100	gm	04/30/2015
0001333169		100% SILICONE RUBBER SEALANT	10	oz	04/30/2015
0001340431	50-81-7	L-ASCORBIC ACID	100	gm	04/30/2015
0001340383		iCAP Q Calibration Solution	250	ml	04/30/2015
0001340433	50-81-7	L-ASCORBIC ACID	100	gm	04/30/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001332937		100% SILICONE RUBBER SEALANT	10	oz	04/30/2015
0001333161		100% SILICONE RUBBER SEALANT	10	oz	04/30/2015
0001333162		100% SILICONE RUBBER SEALANT	10	oz	04/30/2015
0001333163		100% SILICONE RUBBER SEALANT	10	oz	04/30/2015
0001333164		100% SILICONE RUBBER SEALANT	10	oz	04/30/2015
0001333165		100% SILICONE RUBBER SEALANT	10	oz	04/30/2015
0001333166		100% SILICONE RUBBER SEALANT	10	oz	04/30/2015
0001340430	50-81-7	L-ASCORBIC ACID	100	gm	04/30/2015
0001340557	7722-84-1	HYDROGEN PEROXIDE 30%	100	ml	04/30/2015
0001340556	16219-75-3	5-Ethylidene-2-norbornene	500	ml	04/30/2015
0001340558	7722-84-1	HYDROGEN PEROXIDE 30%	100	ml	04/30/2015
0001340559	7722-84-1	HYDROGEN PEROXIDE 30%	100	ml	04/30/2015
0001340434	7664-93-9	SULFURIC ACID	2	l	04/30/2015
0001333186		100% SILICONE RUBBER SEALANT	10	oz	04/30/2015
0001333185		100% SILICONE RUBBER SEALANT	10	oz	04/30/2015
0001340560	7722-84-1	HYDROGEN PEROXIDE 30%	100	ml	04/30/2015
0001340385	594-61-6	2-HYDROXYISOBUTYRIC ACID	500	gm	04/30/2015
0001340562	7722-84-1	HYDROGEN PEROXIDE 30%	100	ml	04/30/2015
0001340553	16219-75-3	5-Ethylidene-2-norbornene	500	ml	04/30/2015
0001340470	69-52-3	AMPICILLIN SODIUM SALT	5	gm	04/30/2015
0001340466	82419-36-1	OFLOXACIN	1	gm	04/30/2015
0001340462	57-55-6	PROPYLENE GLYCOL	5	gal	04/30/2015
0001340387		SILICA STANDARD SOLUTION	200	ml	04/30/2015
0001340386	12612-37-2	DOWEX-50W DRY MESH 100-200	250	gm	04/30/2015
0001340411	14965-49-2	Methanamine hydriodide	5	gm	04/30/2015
0001340410	36629-42-2	Methyl pentafluorobenzoate	5	gm	04/30/2015
0001340409	36629-42-2	Methyl pentafluorobenzoate	5	gm	04/30/2015
0001340561	7722-84-1	HYDROGEN PEROXIDE 30%	100	ml	04/30/2015
0001340545	16219-75-3	5-Ethylidene-2-norbornene	500	ml	04/30/2015
0001340408	36629-42-2	Methyl pentafluorobenzoate	5	gm	04/30/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001340382		NAVAL JELLY	16	oz	04/30/2015
0001334950	7732-18-5	Hydrochloric Acid 30-31%	3000	lb	04/30/2015
0001334949	7732-18-5	Hydrochloric Acid 30-31%	3000	lb	04/30/2015
0001334948	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	04/30/2015
0001334947	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	04/30/2015
0001340435	7664-93-9	SULFURIC ACID	2	l	04/30/2015
0001340469	25389-94-0	KANAMYCIN SULFATE	5	gm	04/30/2015
0001340555	16219-75-3	5-Ethylidene-2-norbornene	500	ml	04/30/2015
0001340544	16219-75-3	5-Ethylidene-2-norbornene	500	ml	04/30/2015
0001340554	16219-75-3	5-Ethylidene-2-norbornene	500	ml	04/30/2015
0001340546	16219-75-3	5-Ethylidene-2-norbornene	500	ml	04/30/2015
0001340547	16219-75-3	5-Ethylidene-2-norbornene	500	ml	04/30/2015
0001340548	16219-75-3	5-Ethylidene-2-norbornene	500	ml	04/30/2015
0001340549	16219-75-3	5-Ethylidene-2-norbornene	500	ml	04/30/2015
0001340550	16219-75-3	5-Ethylidene-2-norbornene	500	ml	04/30/2015
0001340551	16219-75-3	5-Ethylidene-2-norbornene	500	ml	04/30/2015
0001340552	16219-75-3	5-Ethylidene-2-norbornene	500	ml	04/30/2015
0001340384		Custom Solution	250	ml	04/30/2015
0001340543	16219-75-3	5-Ethylidene-2-norbornene	500	ml	04/30/2015
0001340488		FANTASTIKE ALL PURPOSE CLEANER	1	gal	04/30/2015
0001340481		FANTASTIKE ALL PURPOSE CLEANER	1	gal	04/30/2015
0001334941		Nalco 22341	503	lb	04/30/2015
0001334942		TRI-ACT 1820	450	lb	04/30/2015
0001334943		NALCO 7408 CHLORINE SCAVENGER SOLUTION	55	gal	04/30/2015
0001334944	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	04/30/2015
0001334945	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	04/30/2015
0000983896	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	ml	04/30/2015
0001340489		FANTASTIKE ALL PURPOSE CLEANER	1	gal	04/30/2015
0000983901	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	ml	04/30/2015
0001340487		FANTASTIKE ALL PURPOSE CLEANER	1	gal	04/30/2015
0001340486		FANTASTIKE ALL PURPOSE CLEANER	1	gal	04/30/2015
0001340485		FANTASTIKE ALL PURPOSE CLEANER	1	gal	04/30/2015
0001340484		FANTASTIKE ALL PURPOSE CLEANER	1	gal	04/30/2015
0001340483		FANTASTIKE ALL PURPOSE CLEANER	1	gal	04/30/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001340511	474922-84-4	1,2-dipalmitoyl-sn-glycero-3-phosphoethanolamine-N-[methoxy(polyethylene glycol)-350]	25	mg	04/30/2015
0001334946	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	04/30/2015
0001340513	474922-84-4	1,2-dipalmitoyl-sn-glycero-3-phosphoethanolamine-N-[methoxy(polyethylene glycol)-350]	25	mg	04/30/2015
0001340498		FANTASTIKE ALL PURPOSE CLEANER	1	gal	04/30/2015
0001340499		FANTASTIKE ALL PURPOSE CLEANER	1	gal	04/30/2015
0001340500		FANTASTIKE ALL PURPOSE CLEANER	1	gal	04/30/2015
0001340501		FANTASTIKE ALL PURPOSE CLEANER	1	gal	04/30/2015
0001340502		FANTASTIKE ALL PURPOSE CLEANER	1	gal	04/30/2015
0001340503		FANTASTIKE ALL PURPOSE CLEANER	1	gal	04/30/2015
0001340579	3810-74-0	STREPTOMYCIN SULFATE	5	gm	04/30/2015
0001340512	474922-84-4	1,2-dipalmitoyl-sn-glycero-3-phosphoethanolamine-N-[methoxy(polyethylene glycol)-350]	25	mg	04/30/2015
0001340480		FANTASTIKE ALL PURPOSE CLEANER	1	gal	04/30/2015
0001340514	474922-84-4	1,2-dipalmitoyl-sn-glycero-3-phosphoethanolamine-N-[methoxy(polyethylene glycol)-350]	25	mg	04/30/2015
0001340515		TANTALUM STANDARD SOLUTION	100	ml	04/30/2015
0001333216		PSX 700 CURE	0.2	gal	04/30/2015
0001333198		PSX 700 CURE	0.2	gal	04/30/2015
0001333197		PSX 700 CURE	0.2	gal	04/30/2015
0001333214		PERMACRYL INTERIOR FLAT WHITE BASE	5	gal	04/30/2015
0001340504		FANTASTIKE ALL PURPOSE CLEANER	1	gal	04/30/2015
0001311244		MULTI-PURPOSE GREASE	14.1	oz	04/30/2015
0001340482		FANTASTIKE ALL PURPOSE CLEANER	1	gal	04/30/2015
0001311237		MULTI-PURPOSE GREASE	14.1	oz	04/30/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001340474		FANTASTIKE ALL PURPOSE CLEANER	1	gal	04/30/2015
0001334954	1310-73-2	Sodium Hydroxide 25%	3400	lb	04/30/2015
0001334953	1310-73-2	Sodium Hydroxide 25%	3400	lb	04/30/2015
0001334952	1310-73-2	Sodium Hydroxide 25%	3400	lb	04/30/2015
0001311236		MULTI-PURPOSE GREASE	14.1	oz	04/30/2015
0001311245		MULTI-PURPOSE GREASE	14.1	oz	04/30/2015
0001340473		FANTASTIKE ALL PURPOSE CLEANER	1	gal	04/30/2015
0001311243		MULTI-PURPOSE GREASE	14.1	oz	04/30/2015
0001311242		MULTI-PURPOSE GREASE	14.1	oz	04/30/2015
0001311241		MULTI-PURPOSE GREASE	14.1	oz	04/30/2015
0001311240		MULTI-PURPOSE GREASE	14.1	oz	04/30/2015
0001311239		MULTI-PURPOSE GREASE	14.1	oz	04/30/2015
0001311238		MULTI-PURPOSE GREASE	14.1	oz	04/30/2015
0001334951	1310-73-2	Sodium Hydroxide 25%	3400	lb	04/30/2015
0001340580	1405-41-0	GENTAMYCIN SULFATE	5	gm	04/30/2015
0001340479		FANTASTIKE ALL PURPOSE CLEANER	1	gal	04/30/2015
0001340478		FANTASTIKE ALL PURPOSE CLEANER	1	gal	04/30/2015
0001340477		FANTASTIKE ALL PURPOSE CLEANER	1	gal	04/30/2015
0001340476		FANTASTIKE ALL PURPOSE CLEANER	1	gal	04/30/2015
0001340475		FANTASTIKE ALL PURPOSE CLEANER	1	gal	04/30/2015
0001340505		FANTASTIKE ALL PURPOSE CLEANER	1	gal	04/30/2015
0001340581	2302-25-2	4-Bromo-1H-imidazole	1	gm	04/30/2015
0001340422	1314-62-1	VANADIUM(V) OXIDE	250	gm	04/30/2015
0001334940		NALCO 8735	639	lb	04/30/2015
0001340447	7722-84-1	HYDROGEN PEROXIDE 30%	100	ml	04/30/2015
0001340460	67-64-1	ACETONE REAGENT ACS	4	l	04/30/2015
0001333192		PSX 700 PART A(RESIN)	0.8	gal	04/30/2015
0001340461	67-64-1	ACETONE REAGENT ACS	4	l	04/30/2015
0001340471		FANTASTIKE ALL PURPOSE CLEANER	1	gal	04/30/2015
0001340472		FANTASTIKE ALL PURPOSE CLEANER	1	gal	04/30/2015
0001340490		FANTASTIKE ALL PURPOSE CLEANER	1	gal	04/30/2015
0001333194		PSX 700 PART A(RESIN)	0.8	gal	04/30/2015
0001333173		100% SILICONE RUBBER SEALANT	10	oz	04/30/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001340452	7722-84-1	HYDROGEN PEROXIDE 30%	100	ml	04/30/2015
0001340451	7722-84-1	HYDROGEN PEROXIDE 30%	100	ml	04/30/2015
0001333215		PSX 700 CURE	0.2	gal	04/30/2015
0001340450	7722-84-1	HYDROGEN PEROXIDE 30%	100	ml	04/30/2015
0001340497		FANTASTIKE ALL PURPOSE CLEANER	1	gal	04/30/2015
0001340454	7722-84-1	HYDROGEN PEROXIDE 30%	100	ml	04/30/2015
0001333195		PSX 700 PART A(RESIN)	0.8	gal	04/30/2015
0001340459	67-64-1	ACETONE REAGENT ACS	4	l	04/30/2015
0001333193		PSX 700 PART A(RESIN)	0.8	gal	04/30/2015
0001333190		PERMACRYL INTERIOR SEMI-GLOSS WHITE BASE	30.4	oz	04/30/2015
0001340509		FANTASTIKE ALL PURPOSE CLEANER	1	gal	04/30/2015
0001333188		PERMACRYL INTERIOR SEMI-GLOSS WHITE BASE	30.4	oz	04/30/2015
0001333196		PSX 700 CURE	0.2	gal	04/30/2015
0001340380	7440-03-1	NIOBIUM	500	gm	04/30/2015
0001340449	7722-84-1	HYDROGEN PEROXIDE 30%	100	ml	04/30/2015
0001340506		FANTASTIKE ALL PURPOSE CLEANER	1	gal	04/30/2015
0001340381	7631-99-4	SODIUM NITRATE	1	kg	04/30/2015
0001340456		Rink Resin HS, 100-200 mesh	25	gm	04/30/2015
0001340457		Rink Resin HS, 100-200 mesh	25	gm	04/30/2015
0001340458	67-64-1	ACETONE REAGENT ACS	4	l	04/30/2015
0001340379	7440-03-1	NIOBIUM	500	gm	04/30/2015
0001334939	1310-73-2	Sodium Hydroxide 25%	3400	lb	04/30/2015
0001340453	7722-84-1	HYDROGEN PEROXIDE 30%	100	ml	04/30/2015
0001334937	1310-73-2	Sodium Hydroxide 25%	3400	lb	04/30/2015
0001333174		100% SILICONE RUBBER SEALANT	10	oz	04/30/2015
0001340507		FANTASTIKE ALL PURPOSE CLEANER	1	gal	04/30/2015
0001340508		FANTASTIKE ALL PURPOSE CLEANER	1	gal	04/30/2015
0001340510		FANTASTIKE ALL PURPOSE CLEANER	1	gal	04/30/2015
0001334936	1310-73-2	Sodium Hydroxide 25%	3400	lb	04/30/2015
0001334935	1310-73-2	Sodium Hydroxide 25%	3400	lb	04/30/2015
0001340455	7722-84-1	HYDROGEN PEROXIDE 30%	100	ml	04/30/2015
0001334938	1310-73-2	Sodium Hydroxide 25%	3400	lb	04/30/2015
0001340578	67-64-1	ACETONE	4	l	04/30/2015
0001340571	67-64-1	ACETONE	4	l	04/30/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0000983895	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	ml	04/30/2015
0001340448	7722-84-1	HYDROGEN PEROXIDE 30%	100	ml	04/30/2015
0001340573	67-64-1	ACETONE	4	l	04/30/2015
0001340574	67-64-1	ACETONE	4	l	04/30/2015
0001340575	67-64-1	ACETONE	4	l	04/30/2015
0001333175		100% SILICONE RUBBER SEALANT	10	oz	04/30/2015
0001340577	67-64-1	ACETONE	4	l	04/30/2015
0001340570	67-64-1	ACETONE	4	l	04/30/2015
0001340491		FANTASTIKE ALL PURPOSE CLEANER	1	gal	04/30/2015
0001340492		FANTASTIKE ALL PURPOSE CLEANER	1	gal	04/30/2015
0001340493		FANTASTIKE ALL PURPOSE CLEANER	1	gal	04/30/2015
0001340494		FANTASTIKE ALL PURPOSE CLEANER	1	gal	04/30/2015
0001340495		FANTASTIKE ALL PURPOSE CLEANER	1	gal	04/30/2015
0001340496		FANTASTIKE ALL PURPOSE CLEANER	1	gal	04/30/2015
0001340576	67-64-1	ACETONE	4	l	04/30/2015
0001333180		100% SILICONE RUBBER SEALANT	10	oz	04/30/2015
0001333176		100% SILICONE RUBBER SEALANT	10	oz	04/30/2015
0001333177		100% SILICONE RUBBER SEALANT	10	oz	04/30/2015
0001333178		100% SILICONE RUBBER SEALANT	10	oz	04/30/2015
0001333179		100% SILICONE RUBBER SEALANT	10	oz	04/30/2015
0001333184		100% SILICONE RUBBER SEALANT	10	oz	04/30/2015
0001333183		100% SILICONE RUBBER SEALANT	10	oz	04/30/2015
0001333182		100% SILICONE RUBBER SEALANT	10	oz	04/30/2015
0001340572	67-64-1	ACETONE	4	l	04/30/2015
0001333181		100% SILICONE RUBBER SEALANT	10	oz	04/30/2015
0001340569	67-64-1	ACETONE	4	l	04/30/2015
0001340563	67-64-1	ACETONE	4	l	04/30/2015
0001340564	67-64-1	ACETONE	4	l	04/30/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001340565	67-64-1	ACETONE	4 l		04/30/2015
0001340566	67-64-1	ACETONE	4 l		04/30/2015
0001340567	67-64-1	ACETONE	4 l		04/30/2015
0001340568	67-64-1	ACETONE	4 l		04/30/2015
0001311335		SPLASH WINDSHIELD WASHER FLUID	1 gal		05/01/2015
0001311342		ANTIFREEZE/COOLANT	1 gal		05/01/2015
0001311356		SPLASH WINDSHIELD WASHER FLUID	1 gal		05/01/2015
0001311334		SPLASH WINDSHIELD WASHER FLUID	1 gal		05/01/2015
0001311365		SPLASH WINDSHIELD WASHER FLUID	1 gal		05/01/2015
0001311318		SAE 30 MOTOR OIL	1 qt		05/01/2015
0001311341		ANTIFREEZE/COOLANT	1 gal		05/01/2015
0001311355		SPLASH WINDSHIELD WASHER FLUID	1 gal		05/01/2015
0001311357		SPLASH WINDSHIELD WASHER FLUID	1 gal		05/01/2015
0001311359		SPLASH WINDSHIELD WASHER FLUID	1 gal		05/01/2015
0001311360		SPLASH WINDSHIELD WASHER FLUID	1 gal		05/01/2015
0001311361		SPLASH WINDSHIELD WASHER FLUID	1 gal		05/01/2015
0001311362		SPLASH WINDSHIELD WASHER FLUID	1 gal		05/01/2015
0001311358		SPLASH WINDSHIELD WASHER FLUID	1 gal		05/01/2015
0001311364		SPLASH WINDSHIELD WASHER FLUID	1 gal		05/01/2015
0001311369		CANNED SMOKE	2.6 oz		05/01/2015
0001311366		SPLASH WINDSHIELD WASHER FLUID	1 gal		05/01/2015
0001311367		SPLASH WINDSHIELD WASHER FLUID	1 gal		05/01/2015
0001311368		SPLASH WINDSHIELD WASHER FLUID	1 gal		05/01/2015
0001340616	872-50-4	N-METHYLPYRROLIDONE	4 l		05/01/2015
0001340617	872-50-4	N-METHYLPYRROLIDONE	4 l		05/01/2015
0001340618	872-50-4	N-METHYLPYRROLIDONE	4 l		05/01/2015
0001340619	872-50-4	N-METHYLPYRROLIDONE	4 l		05/01/2015
0001340620	872-50-4	N-METHYLPYRROLIDONE	4 l		05/01/2015
0001327809	7440-33-7	TUNGSTEN	30 gal		05/01/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001311363		SPLASH WINDSHIELD WASHER FLUID	1	gal	05/01/2015
0001311246		LUBRIPLATE CHAIN AND CABLE FLUID	11	oz	05/01/2015
0001311317		SAE 30 MOTOR OIL	1	qt	05/01/2015
0001311293		SAE 30 MOTOR OIL	1	qt	05/01/2015
0001311354		SPLASH WINDSHIELD WASHER FLUID	1	gal	05/01/2015
0001311350		CANNED SMOKE	2.6	oz	05/01/2015
0001311352		SPLASH WINDSHIELD WASHER FLUID	1	gal	05/01/2015
0001311340		ANTIFREEZE/COOLANT	1	gal	05/01/2015
0001311291		SAE 30 MOTOR OIL	1	qt	05/01/2015
0001311298		MULTI-PURPOSE GREASE	14.1	oz	05/01/2015
0001311247		LUBRIPLATE CHAIN AND CABLE FLUID	11	oz	05/01/2015
0001311353		SPLASH WINDSHIELD WASHER FLUID	1	gal	05/01/2015
0001311351		CANNED SMOKE	2.6	oz	05/01/2015
0001340626	872-50-4	N-METHYLPYRROLIDONE	4	l	05/01/2015
0001340625	872-50-4	N-METHYLPYRROLIDONE	4	l	05/01/2015
0001340624	872-50-4	N-METHYLPYRROLIDONE	4	l	05/01/2015
0001340623	872-50-4	N-METHYLPYRROLIDONE	4	l	05/01/2015
0001340622	872-50-4	N-METHYLPYRROLIDONE	4	l	05/01/2015
0001340621	872-50-4	N-METHYLPYRROLIDONE	4	l	05/01/2015
0001311299		BRAKE FLUID DOT 3	12	oz	05/01/2015
0001311248		LUBRIPLATE CHAIN AND CABLE FLUID	11	oz	05/01/2015
0001311330		POWER STEERING FLUID	1	qt	05/01/2015
0001311292		SAE 30 MOTOR OIL	1	qt	05/01/2015
0001311337		ANTIFREEZE/COOLANT	1	gal	05/01/2015
0001311300		ULTRA BLACK GASKET MAKER	3.35	oz	05/01/2015
0001311332		POWER STEERING FLUID	1	qt	05/01/2015
0001311336		ANTIFREEZE/COOLANT	1	gal	05/01/2015
0001311333		POWER STEERING FLUID	1	qt	05/01/2015
0001311338		ANTIFREEZE/COOLANT	1	gal	05/01/2015
0001361790		Nitric Oxide 10,000 ppm/Bal. Helium	150	cf	05/01/2015
0001311331		POWER STEERING FLUID	1	qt	05/01/2015
0001311329		POWER STEERING FLUID	1	qt	05/01/2015
0001311328		POWER STEERING FLUID	1	qt	05/01/2015
0001311327		POWER STEERING FLUID	1	qt	05/01/2015
0001311326		POWER STEERING FLUID	1	qt	05/01/2015
0001311325		POWER STEERING FLUID	1	qt	05/01/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001361789		10000PPM NITROGEN DIOXIDE	150	cf	05/01/2015
0001311301		ULTRA BLACK GASKET MAKER	3.35	oz	05/01/2015
0001311339		ANTIFREEZE/COOLANT	1	gal	05/01/2015
0001311344		ANTIFREEZE/COOLANT	1	gal	05/01/2015
0001340530		BONE CHAR	6	lb	05/01/2015
0001340531	141-78-6	ETHYL ACETATE	1	l	05/01/2015
0001340587	7664-93-9	SULFURIC ACID	2	l	05/01/2015
0001340588	7664-93-9	SULFURIC ACID	2	l	05/01/2015
0001340589	7664-93-9	SULFURIC ACID	2	l	05/01/2015
0001340590	7664-93-9	SULFURIC ACID	2	l	05/01/2015
0001340591	7664-93-9	SULFURIC ACID	2	l	05/01/2015
0001340592	7664-93-9	SULFURIC ACID	2	l	05/01/2015
0001340593	7664-93-9	SULFURIC ACID	2	l	05/01/2015
0001340594	7664-93-9	SULFURIC ACID	2	l	05/01/2015
0001311345		DIESEL EXHAUST FLUID	2.5	gal	05/01/2015
0001340602	3520-42-1	KINTON RED 620	1	gm	05/01/2015
0001340606	3520-42-1	KINTON RED 620	1	gm	05/01/2015
0001340529	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	05/01/2015
0001340605	3520-42-1	KINTON RED 620	1	gm	05/01/2015
0001340523	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	05/01/2015
0001340604	3520-42-1	KINTON RED 620	1	gm	05/01/2015
0001340603	3520-42-1	KINTON RED 620	1	gm	05/01/2015
0001340596	7664-93-9	SULFURIC ACID	2	l	05/01/2015
0001340597	3520-42-1	KINTON RED 620	1	gm	05/01/2015
0001340598	3520-42-1	KINTON RED 620	1	gm	05/01/2015
0001340599	3520-42-1	KINTON RED 620	1	gm	05/01/2015
0001340600	3520-42-1	KINTON RED 620	1	gm	05/01/2015
0001340601	3520-42-1	KINTON RED 620	1	gm	05/01/2015
0001340595	7664-93-9	SULFURIC ACID	2	l	05/01/2015
0001340398	1665-00-5	METHYLENE CHLORIDE-D2	25	gm	05/01/2015
0001311270		BRACLEEN	14	oz	05/01/2015
0001311271		BRACLEEN	14	oz	05/01/2015
0001311272		BRACLEEN	14	oz	05/01/2015
0001311273		CARB AND CHOKE CLEANER	13	oz	05/01/2015
0001311274		CARB AND CHOKE CLEANER	13	oz	05/01/2015
0001311275		CARB AND CHOKE CLEANER	13	oz	05/01/2015
0001311276		CARB AND CHOKE CLEANER	13	oz	05/01/2015
0001311277		CARB AND CHOKE CLEANER	13	oz	05/01/2015
0001311278		CARB AND CHOKE CLEANER	13	oz	05/01/2015
0001311279		CARB AND CHOKE CLEANER	13	oz	05/01/2015
0001340395	7783-20-2	AMMONIUM SULFATE	500	gm	05/01/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001340525	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	05/01/2015
0001340397	7719-09-7	THIONYL CHLORIDE	500	ml	05/01/2015
0001340528	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	05/01/2015
0001340516	124-63-0	METHANESULFONYLCHLORIDE	100	ml	05/01/2015
0001340517	60-29-7	DIETHYL ETHER	1	l	05/01/2015
0001340518	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	05/01/2015
0001340519	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	05/01/2015
0001340520	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	05/01/2015
0001340521	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	05/01/2015
0001340522	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	05/01/2015
0001327813		RUST STOP GREY PRIMER	1	gal	05/01/2015
0001340524	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	05/01/2015
0001311346		DIESEL EXHAUST FLUID	2.5	gal	05/01/2015
0001340526	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	05/01/2015
0001340527	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	05/01/2015
0001340396	60-29-7	DIETHYL ETHER	4	l	05/01/2015
0001311258		WHITE LITHIUM GREASE	10	oz	05/01/2015
0001311269		BRAKLEEN	14	oz	05/01/2015
0001311268		BRAKLEEN	14	oz	05/01/2015
0001311267		BRAKLEEN	14	oz	05/01/2015
0001311343		ANTIFREEZE/COOLANT	1	gal	05/01/2015
0001311266		BRAKLEEN	14	oz	05/01/2015
0001311265		BRAKLEEN	14	oz	05/01/2015
0001311264		BRAKLEEN	14	oz	05/01/2015
0001311261		STARTING FLUID	10.7	oz	05/01/2015
0001311260		WHITE LITHIUM GREASE	10	oz	05/01/2015
0001327808	7440-33-7	TUNGSTEN	30	gal	05/01/2015
0001311259		WHITE LITHIUM GREASE	10	oz	05/01/2015
0001327836	6892-68-8	DTE MEDIUM HEAVY OIL	55	gal	05/01/2015
0001327835	6892-68-8	DTE MEDIUM HEAVY OIL	55	gal	05/01/2015
0001327831	6892-68-8	DTE MEDIUM HEAVY OIL	55	gal	05/01/2015
0001327812		RUST STOP GREY PRIMER	1	gal	05/01/2015
0001327814		RUST STOP GREY PRIMER	1	gal	05/01/2015
0001327815		RUST STOP GREY PRIMER	1	gal	05/01/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001327832	6892-68-8	DTE MEDIUM HEAVY OIL	55	gal	05/01/2015
0001327833	6892-68-8	DTE MEDIUM HEAVY OIL	55	gal	05/01/2015
0001327834	6892-68-8	DTE MEDIUM HEAVY OIL	55	gal	05/01/2015
0001340615	872-50-4	N-METHYLPYRROLIDONE	4	l	05/01/2015
0001311255		WD-40 NON-AEROSOL	20	oz	05/01/2015
0001311256		WHITE LITHIUM GREASE	10	oz	05/01/2015
0001311257		WHITE LITHIUM GREASE	10	oz	05/01/2015
0001361892	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	05/04/2015
0001311296		MOTOR OIL	1	qt	05/04/2015
0001333218		fast setting cement	60	lb	05/04/2015
0001311313		DX-111/M ATF	1	qt	05/04/2015
0001333219		fast setting cement	60	lb	05/04/2015
0001311297		MOTOR OIL	1	qt	05/04/2015
0001311295		MOTOR OIL	1	qt	05/04/2015
0001311294		MOTOR OIL	1	qt	05/04/2015
0001311316		DX-111/M ATF	1	qt	05/04/2015
0001311314		DX-111/M ATF	1	qt	05/04/2015
0001361891	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	05/04/2015
0001361864	74-86-2	ACETYLENE	130	lb	05/04/2015
0001311312		DX-111/M ATF	1	qt	05/04/2015
0001311311		DX-111/M ATF	1	qt	05/04/2015
0001311315		DX-111/M ATF	1	qt	05/04/2015
0001333228		fast setting cement	60	lb	05/04/2015
0001333235		fast setting cement	60	lb	05/04/2015
0001333234		fast setting cement	60	lb	05/04/2015
0001333233		fast setting cement	60	lb	05/04/2015
0001333232		fast setting cement	60	lb	05/04/2015
0001333255		SODA ASH	50	lb	05/04/2015
0001311310		DX-111/M ATF	1	qt	05/04/2015
0001333231		fast setting cement	60	lb	05/04/2015
0001333230		fast setting cement	60	lb	05/04/2015
0001333229		fast setting cement	60	lb	05/04/2015
0001333220		fast setting cement	60	lb	05/04/2015
0001333227		fast setting cement	60	lb	05/04/2015
0001333226		fast setting cement	60	lb	05/04/2015
0001333225		fast setting cement	60	lb	05/04/2015
0001333224		fast setting cement	60	lb	05/04/2015
0001333223		fast setting cement	60	lb	05/04/2015
0001333222		fast setting cement	60	lb	05/04/2015
0001333221		fast setting cement	60	lb	05/04/2015
0001361893	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	05/04/2015
0001333241		MASONRY GROUT	50	lb	05/04/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001311304		DX-111/M ATF	1	qt	05/04/2015
0001311303		DX-111/M ATF	1	qt	05/04/2015
0001333338		fast setting cement	60	lb	05/04/2015
0001333337		fast setting cement	60	lb	05/04/2015
0001333336		fast setting cement	60	lb	05/04/2015
0001333335		fast setting cement	60	lb	05/04/2015
0001333334		fast setting cement	60	lb	05/04/2015
0001311348		AW 32 HYDRAULIC FLUID	5	gal	05/04/2015
0001333332		fast setting cement	60	lb	05/04/2015
0001311307		DX-111/M ATF	1	qt	05/04/2015
0001333240		MASONRY GROUT	50	lb	05/04/2015
0001333239		MASONRY GROUT	50	lb	05/04/2015
0001333238		MASONRY GROUT	50	lb	05/04/2015
0001311319		SAE 5W20 MOTOR OIL	1	qt	05/04/2015
0001361823	124-38-9	CARBON DIOXIDE, GAS	220	cf	05/04/2015
0001361824	124-38-9	CARBON DIOXIDE, GAS	220	cf	05/04/2015
0001333236		fast setting cement	60	lb	05/04/2015
0001333333		fast setting cement	60	lb	05/04/2015
0001361904	7782-44-7	OXYGEN	220	cf	05/04/2015
0001361895	7782-44-7	OXYGEN	220	cf	05/04/2015
0001361896	7782-44-7	OXYGEN	220	cf	05/04/2015
0001361897	7782-44-7	OXYGEN	220	cf	05/04/2015
0001361898	7782-44-7	OXYGEN	220	cf	05/04/2015
0001361899	7782-44-7	OXYGEN	220	cf	05/04/2015
0001361900	7782-44-7	OXYGEN	220	cf	05/04/2015
0001361901	7782-44-7	OXYGEN	220	cf	05/04/2015
0001311305		DX-111/M ATF	1	qt	05/04/2015
0001361903	7782-44-7	OXYGEN	220	cf	05/04/2015
0001311306		DX-111/M ATF	1	qt	05/04/2015
0001361905	7782-44-7	OXYGEN	220	cf	05/04/2015
0001361906	7782-44-7	OXYGEN	220	cf	05/04/2015
0001361907	7782-44-7	OXYGEN	220	cf	05/04/2015
0001311347		AW 32 HYDRAULIC FLUID	5	gal	05/04/2015
0001311349		AW 32 HYDRAULIC FLUID	5	gal	05/04/2015
0001311309		DX-111/M ATF	1	qt	05/04/2015
0001311308		DX-111/M ATF	1	qt	05/04/2015
0001361894	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	05/04/2015
0001361902	7782-44-7	OXYGEN	220	cf	05/04/2015
0001333207		ready mix concrete	60	lb	05/04/2015
0001333280		SODA ASH	50	lb	05/04/2015
0001311250		DRY FILM MOLY LUBRICANT LU 200	11	oz	05/04/2015
0001311251		DRY FILM MOLY LUBRICANT LU 200	11	oz	05/04/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001311252		DRY FILM MOLY LUBRICANT LU 200	11	oz	05/04/2015
0001311253		DRY FILM MOLY LUBRICANT LU 200	11	oz	05/04/2015
0001311254		DRY FILM MOLY LUBRICANT LU 200	11	oz	05/04/2015
0001333200		ready mix concrete	60	lb	05/04/2015
0001333201		ready mix concrete	60	lb	05/04/2015
0001333202		ready mix concrete	60	lb	05/04/2015
0001333203		ready mix concrete	60	lb	05/04/2015
0001333204		ready mix concrete	60	lb	05/04/2015
0001333378		SPRAY PAINT WHITE	18	oz	05/04/2015
0001333206		ready mix concrete	60	lb	05/04/2015
0001333373		SPRAY PAINT WHITE	18	oz	05/04/2015
0001333208		ready mix concrete	60	lb	05/04/2015
0001333209		ready mix concrete	60	lb	05/04/2015
0001333210		ready mix concrete	60	lb	05/04/2015
0001333211		ready mix concrete	60	lb	05/04/2015
0001333212		ready mix concrete	60	lb	05/04/2015
0001333213		ready mix concrete	60	lb	05/04/2015
0001333281		SODA ASH	50	lb	05/04/2015
0001333374		SPRAY PAINT WHITE	18	oz	05/04/2015
0001333375		SPRAY PAINT WHITE	18	oz	05/04/2015
0001333376		SPRAY PAINT WHITE	18	oz	05/04/2015
0001333273		SODA ASH	50	lb	05/04/2015
0001333205		ready mix concrete	60	lb	05/04/2015
0001333344		fast setting cement	60	lb	05/04/2015
0001333274		SODA ASH	50	lb	05/04/2015
0001333275		SODA ASH	50	lb	05/04/2015
0001333276		SODA ASH	50	lb	05/04/2015
0001333277		SODA ASH	50	lb	05/04/2015
0001333368		SPRAY PAINT WHITE	18	oz	05/04/2015
0001333257		SODA ASH	50	lb	05/04/2015
0001333370		SPRAY PAINT WHITE	18	oz	05/04/2015
0001333350		fast setting cement	60	lb	05/04/2015
0001333349		fast setting cement	60	lb	05/04/2015
0001333348		fast setting cement	60	lb	05/04/2015
0001333347		fast setting cement	60	lb	05/04/2015
0001333279		SODA ASH	50	lb	05/04/2015
0001333345		fast setting cement	60	lb	05/04/2015
0001333278		SODA ASH	50	lb	05/04/2015
0001333343		fast setting cement	60	lb	05/04/2015
0001333342		fast setting cement	60	lb	05/04/2015
0001333341		fast setting cement	60	lb	05/04/2015
0001333340		fast setting cement	60	lb	05/04/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001333339		fast setting cement	60	lb	05/04/2015
0001333292		SODA ASH	50	lb	05/04/2015
0001311284		193 GLOSS BLACK CHASSIS & GRILLE GUARD PAINT	12	oz	05/04/2015
0001311249		DRY FILM MOLY LUBRICANT LU 200	11	oz	05/04/2015
0001333242		fast setting cement	60	lb	05/04/2015
0001333371		SPRAY PAINT WHITE	18	oz	05/04/2015
0001333372		SPRAY PAINT WHITE	18	oz	05/04/2015
0001333379		SPRAY PAINT WHITE	18	oz	05/04/2015
0001333346		fast setting cement	60	lb	05/04/2015
0001361793	7440-59-7	HELIUM	500	l	05/04/2015
0001361798	7440-59-7	HELIUM	100	l	05/04/2015
0001361797	7440-59-7	HELIUM	100	l	05/04/2015
0001361796	7440-59-7	HELIUM	100	l	05/04/2015
0001333390		SPRAY PAINT WHITE	18	oz	05/04/2015
0001333391		SPRAY PAINT WHITE	18	oz	05/04/2015
0001333392		SPRAY PAINT WHITE	18	oz	05/04/2015
0001333393		SPRAY PAINT WHITE	18	oz	05/04/2015
0001333394		SPRAY PAINT WHITE	18	oz	05/04/2015
0001333286		SODA ASH	50	lb	05/04/2015
0001333287		SODA ASH	50	lb	05/04/2015
0001333288		SODA ASH	50	lb	05/04/2015
0001333377		SPRAY PAINT WHITE	18	oz	05/04/2015
0001361794	7440-59-7	HELIUM	100	l	05/04/2015
0001333388		SPRAY PAINT WHITE	18	oz	05/04/2015
0001361792		Nitrogen (Research)	220	cf	05/04/2015
0001333414		LACQUER THINNER	1	gal	05/04/2015
0001333413		LACQUER THINNER	1	gal	05/04/2015
0001333412		LACQUER THINNER	1	gal	05/04/2015
0001333289		SODA ASH	50	lb	05/04/2015
0001333290		SODA ASH	50	lb	05/04/2015
0001333291		SODA ASH	50	lb	05/04/2015
0001333397		SPRAY PAINT WHITE	18	oz	05/04/2015
0001333396		SPRAY PAINT WHITE	18	oz	05/04/2015
0001333395		SPRAY PAINT WHITE	18	oz	05/04/2015
0001333258		SODA ASH	50	lb	05/04/2015
0001361795	7440-59-7	HELIUM	100	l	05/04/2015
0001333254		SODA ASH	50	lb	05/04/2015
0001333380		SPRAY PAINT WHITE	18	oz	05/04/2015
0001333381		SPRAY PAINT WHITE	18	oz	05/04/2015
0001333382		SPRAY PAINT WHITE	18	oz	05/04/2015
0001333383		SPRAY PAINT WHITE	18	oz	05/04/2015
0001333384		SPRAY PAINT WHITE	18	oz	05/04/2015
0001361840	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	05/04/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001333248		SODA ASH	50	lb	05/04/2015
0001333249		SODA ASH	50	lb	05/04/2015
0001333250		SODA ASH	50	lb	05/04/2015
0001361841	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	05/04/2015
0001333251		SODA ASH	50	lb	05/04/2015
0001361799	7440-59-7	HELIUM	100	l	05/04/2015
0001333253		SODA ASH	50	lb	05/04/2015
0001333389		SPRAY PAINT WHITE	18	oz	05/04/2015
0001333256		SODA ASH	50	lb	05/04/2015
0001361842	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	05/04/2015
0001333282		SODA ASH	50	lb	05/04/2015
0001333283		SODA ASH	50	lb	05/04/2015
0001333284		SODA ASH	50	lb	05/04/2015
0001333285		SODA ASH	50	lb	05/04/2015
0001361843	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	05/04/2015
0001361844	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	05/04/2015
0001333385		SPRAY PAINT WHITE	18	oz	05/04/2015
0001333386		SPRAY PAINT WHITE	18	oz	05/04/2015
0001333387		SPRAY PAINT WHITE	18	oz	05/04/2015
0001333367		SPRAY PAINT WHITE	18	oz	05/04/2015
0001333252		SODA ASH	50	lb	05/04/2015
0001361833	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	05/04/2015
0001361845	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	05/04/2015
0001361859	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	05/04/2015
0001361860	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	05/04/2015
0001361861	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	05/04/2015
0000136186	74-86-2	ACETYLENE	130	lb	05/04/2015
0001361863	74-86-2	ACETYLENE	130	lb	05/04/2015
0001333369		SPRAY PAINT WHITE	18	oz	05/04/2015
0001361839	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	05/04/2015
0001333262		SODA ASH	50	lb	05/04/2015
0001361865		Hydrogen 6%, 94% Argon	220	cf	05/04/2015
0001361856	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	05/04/2015
0001361834	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	05/04/2015
0001361835	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	05/04/2015
0001361836	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	05/04/2015
0001361837	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	05/04/2015
0001333293		SODA ASH	50	lb	05/04/2015
0001361849	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	05/04/2015
0001333259		SODA ASH	50	lb	05/04/2015
0001333261		SODA ASH	50	lb	05/04/2015
0001333351		fast setting cement	60	lb	05/04/2015
0001339432		Be Finder Detection Solution	250	ml	05/04/2015
0001361848	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	05/04/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001361847	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	05/04/2015
0001361846	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	05/04/2015
0001361832	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	05/04/2015
0001361803	124-38-9	CARBON DIOXIDE, GAS	220	cf	05/04/2015
0001361801	7782-39-0	DEUTERIUM	300	cf	05/04/2015
0001361800	7440-59-7	HELIUM	100	l	05/04/2015
0001333366		SPRAY PAINT WHITE	18	oz	05/04/2015
0001361858	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	05/04/2015
0001333364		SPRAY PAINT WHITE	18	oz	05/04/2015
0001361857	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	05/04/2015
0001333411		LACQUER THINNER	1	gal	05/04/2015
0001311323		SAE 5W20 MOTOR OIL	1	qt	05/04/2015
0001361850	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	05/04/2015
0001361851	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	05/04/2015
0001361852	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	05/04/2015
0001361853	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	05/04/2015
0001361854	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	05/04/2015
0001361855	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	05/04/2015
0001333260		SODA ASH	50	lb	05/04/2015
0001333365		SPRAY PAINT WHITE	18	oz	05/04/2015
0001333356		fast setting cement	60	lb	05/04/2015
0001333298		SODA ASH	50	lb	05/04/2015
0001333299		SODA ASH	50	lb	05/04/2015
0001333300		SODA ASH	50	lb	05/04/2015
0001311286		GEAR OIL 80-90	1	qt	05/04/2015
0001311287		GEAR OIL 80-90	1	qt	05/04/2015
0001311288		ATF	1	qt	05/04/2015
0001311289		ATF	1	qt	05/04/2015
0001311290		ATF	1	qt	05/04/2015
0001311302		DX-111/M ATF	1	qt	05/04/2015
0001333296		SODA ASH	50	lb	05/04/2015
0001333357		fast setting cement	60	lb	05/04/2015
0001333295		SODA ASH	50	lb	05/04/2015
0001333355		fast setting cement	60	lb	05/04/2015
0001333354		fast setting cement	60	lb	05/04/2015
0001333268		SODA ASH	50	lb	05/04/2015
0001333269		SODA ASH	50	lb	05/04/2015
0001333270		SODA ASH	50	lb	05/04/2015
0001361838	7440-37-1	ARGON ULTRA HIGH PURITY	220	cf	05/04/2015
0001333271		SODA ASH	50	lb	05/04/2015
0001333272		SODA ASH	50	lb	05/04/2015
0001333353		fast setting cement	60	lb	05/04/2015
0001333352		fast setting cement	60	lb	05/04/2015
0001333358		fast setting cement	60	lb	05/04/2015
0001311321		SAE 5W20 MOTOR OIL	1	qt	05/04/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001333264		SODA ASH	50	lb	05/04/2015
0001333265		SODA ASH	50	lb	05/04/2015
0001333266		SODA ASH	50	lb	05/04/2015
0001333267		SODA ASH	50	lb	05/04/2015
0001333297		SODA ASH	50	lb	05/04/2015
0001311322		SAE 5W20 MOTOR OIL	1	qt	05/04/2015
0001333263		SODA ASH	50	lb	05/04/2015
0001311320		SAE 5W20 MOTOR OIL	1	qt	05/04/2015
0001333359		fast setting cement	60	lb	05/04/2015
0001333245		fast setting cement	60	lb	05/04/2015
0001333244		fast setting cement	60	lb	05/04/2015
0001333243		fast setting cement	60	lb	05/04/2015
0001333361		fast setting cement	60	lb	05/04/2015
0001333360		fast setting cement	60	lb	05/04/2015
0001333246		fast setting cement	60	lb	05/04/2015
0001333294		SODA ASH	50	lb	05/04/2015
0001361825	124-38-9	CARBON DIOXIDE, GAS	220	cf	05/04/2015
0001361867		Hydrogen 6%, 94% Argon	220	cf	05/04/2015
0001361811	124-38-9	CARBON DIOXIDE, GAS	220	cf	05/04/2015
0001361810	124-38-9	CARBON DIOXIDE, GAS	220	cf	05/04/2015
0001361809	124-38-9	CARBON DIOXIDE, GAS	220	cf	05/04/2015
0001361808	124-38-9	CARBON DIOXIDE, GAS	220	cf	05/04/2015
0001361807	124-38-9	CARBON DIOXIDE, GAS	220	cf	05/04/2015
0001361815	124-38-9	CARBON DIOXIDE, GAS	220	cf	05/04/2015
0001361822	124-38-9	CARBON DIOXIDE, GAS	220	cf	05/04/2015
0001361812	124-38-9	CARBON DIOXIDE, GAS	220	cf	05/04/2015
0001361826	124-38-9	CARBON DIOXIDE, GAS	220	cf	05/04/2015
0001361827	124-38-9	CARBON DIOXIDE, GAS	220	cf	05/04/2015
0001361828	124-38-9	CARBON DIOXIDE, GAS	220	cf	05/04/2015
0001361829	124-38-9	CARBON DIOXIDE, GAS	220	cf	05/04/2015
0001361866		Hydrogen 6%, 94% Argon	220	cf	05/04/2015
0001361830	124-38-9	CARBON DIOXIDE, GAS	220	cf	05/04/2015
0001361806	124-38-9	CARBON DIOXIDE, GAS	220	cf	05/04/2015
0001361878		Hydrogen 6%, 94% Argon	220	cf	05/04/2015
0001361870		Hydrogen 6%, 94% Argon	220	cf	05/04/2015
0001361869		Hydrogen 6%, 94% Argon	220	cf	05/04/2015
0001361881	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	05/04/2015
0001361871		Hydrogen 6%, 94% Argon	220	cf	05/04/2015
0001361872		Hydrogen 6%, 94% Argon	220	cf	05/04/2015
0001361873		Hydrogen 6%, 94% Argon	220	cf	05/04/2015
0001361880	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	05/04/2015
0001361875		Hydrogen 6%, 94% Argon	220	cf	05/04/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001361882	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	05/04/2015
0001361879		Hydrogen 6%, 94% Argon	220	cf	05/04/2015
0001361876		Hydrogen 6%, 94% Argon	220	cf	05/04/2015
0001361868		Hydrogen 6%, 94% Argon	220	cf	05/04/2015
0001361877		Hydrogen 6%, 94% Argon	220	cf	05/04/2015
0001361831	124-38-9	CARBON DIOXIDE, GAS	220	cf	05/04/2015
0001361813	124-38-9	CARBON DIOXIDE, GAS	220	cf	05/04/2015
0001361874		Hydrogen 6%, 94% Argon	220	cf	05/04/2015
0001333398		SPRAY PAINT WHITE	18	oz	05/04/2015
0001361817	124-38-9	CARBON DIOXIDE, GAS	220	cf	05/04/2015
0001333406		SPRAY PAINT WHITE	18	oz	05/04/2015
0001333405		SPRAY PAINT WHITE	18	oz	05/04/2015
0001333404		SPRAY PAINT WHITE	18	oz	05/04/2015
0001333403		SPRAY PAINT WHITE	18	oz	05/04/2015
0001333402		SPRAY PAINT WHITE	18	oz	05/04/2015
0001333401		SPRAY PAINT WHITE	18	oz	05/04/2015
0001361818	124-38-9	CARBON DIOXIDE, GAS	220	cf	05/04/2015
0001333399		SPRAY PAINT WHITE	18	oz	05/04/2015
0001361819	124-38-9	CARBON DIOXIDE, GAS	220	cf	05/04/2015
0001361814	124-38-9	CARBON DIOXIDE, GAS	220	cf	05/04/2015
0001361885	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	05/04/2015
0001361887	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	05/04/2015
0001361888	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	05/04/2015
0001361889	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	05/04/2015
0001361890	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	05/04/2015
0001361821	124-38-9	CARBON DIOXIDE, GAS	220	cf	05/04/2015
0001333400		SPRAY PAINT WHITE	18	oz	05/04/2015
0001311281		193 GLOSS BLACK CHASSIS & GRILLE GUARD PAINT	12	oz	05/04/2015
0001361884	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	05/04/2015
0001361805	124-38-9	CARBON DIOXIDE, GAS	220	cf	05/04/2015
0001361804	124-38-9	CARBON DIOXIDE, GAS	220	cf	05/04/2015
0001361802	7440-59-7	HELIUM	220	cf	05/04/2015
0001361791	7647-01-0	HYDROGEN CHLORIDE, ANHYDROUS	15	lb	05/04/2015
0001333410		SPRAY PAINT WHITE	18	oz	05/04/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001311324		Valvoline Mercon V Automatic Transmission Fluid	1 qt		05/04/2015
0001361816	124-38-9	CARBON DIOXIDE, GAS	220	cf	05/04/2015
0013111280		193 GLOSS BLACK CHASSIS & GRILLE GUARD PAINT	12	oz	05/04/2015
0001361883	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	05/04/2015
0001311282		193 GLOSS BLACK CHASSIS & GRILLE GUARD PAINT	12	oz	05/04/2015
0001311283		193 GLOSS BLACK CHASSIS & GRILLE GUARD PAINT	12	oz	05/04/2015
0001361820	124-38-9	CARBON DIOXIDE, GAS	220	cf	05/04/2015
0001333409		SPRAY PAINT WHITE	18	oz	05/04/2015
0001333408		SPRAY PAINT WHITE	18	oz	05/04/2015
0001361886	7727-37-9	NITROGEN ULTRA HIGH PURITY	220	cf	05/04/2015
0001333407		SPRAY PAINT WHITE	18	oz	05/04/2015
0001311285		Lucas SAE 85W-140 Gear Oil	1 qt		05/04/2015
0001334006		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334067		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334005		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334004		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334000		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334002		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334001		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334003		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334066		CONTACT CLEANER 2000	13	oz	05/05/2015
0001340630		VACUUM OIL, ULTRA GRADE 19	1 l		05/05/2015
0001333995		CONTACT CLEANER 2000	13	oz	05/05/2015
0001333457		PREMIUM BLUE 15W40 DIESEL OIL	1 gal		05/05/2015
0001333458		PREMIUM BLUE 15W40 DIESEL OIL	1 gal		05/05/2015
0001333460		PREMIUM BLUE 15W40 DIESEL OIL	1 gal		05/05/2015
0001334076		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334075		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334074		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334073		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334072		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334071		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334070		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334065		CONTACT CLEANER 2000	13	oz	05/05/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001334068		CONTACT CLEANER 2000	13	oz	05/05/2015
0001333999		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334064		CONTACT CLEANER 2000	13	oz	05/05/2015
0001333991		CONTACT CLEANER 2000	13	oz	05/05/2015
0001333461		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	05/05/2015
0001333462		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	05/05/2015
0001333463		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	05/05/2015
0001333464		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	05/05/2015
0001333465		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	05/05/2015
0001333466		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	05/05/2015
0001333467		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	05/05/2015
0001333468		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	05/05/2015
0001333996		CONTACT CLEANER 2000	13	oz	05/05/2015
0001333997		CONTACT CLEANER 2000	13	oz	05/05/2015
0001333998		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334069		CONTACT CLEANER 2000	13	oz	05/05/2015
0001340392	10034-85-2	HYDRIODIC ACID	50	ml	05/05/2015
0001334105		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334106		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334107		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334108		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334109		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334110		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334111		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334112		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334113		CONTACT CLEANER 2000	13	oz	05/05/2015
0001340388	7553-56-2	IODINE	20	gm	05/05/2015
0001333496		SPRAY PAINT BLUE	12	oz	05/05/2015
0001340391	10034-85-2	HYDRIODIC ACID	50	ml	05/05/2015
0001334102		CONTACT CLEANER 2000	13	oz	05/05/2015
0001340393	10034-85-2	HYDRIODIC ACID	50	ml	05/05/2015
0001334025		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334026		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334027		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334028		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334029		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334030		CONTACT CLEANER 2000	13	oz	05/05/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001334031		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334032		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334033		CONTACT CLEANER 2000	13	oz	05/05/2015
0001340628		VACUUM OIL, ULTRA GRADE 19	1	l	05/05/2015
0001340389		Methylamine solution	250	ml	05/05/2015
0001334091		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334078		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334079		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334080		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334081		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334082		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334083		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334084		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334085		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334086		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334087		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334088		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334104		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334090		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334103		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334092		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334093		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334094		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334095		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334096		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334097		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334098		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334099		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334100		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334101		CONTACT CLEANER 2000	13	oz	05/05/2015
0001333497		SPRAY PAINT BLUE	12	oz	05/05/2015
0001334089		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334047		CONTACT CLEANER 2000	13	oz	05/05/2015
0001340698		ChampLub	1	qt	05/05/2015
0001340697		ChampLub	1	qt	05/05/2015
0001340696		ChampLub	1	qt	05/05/2015
0001340695		ChampLub	1	qt	05/05/2015
0001340694		ChampLub	1	qt	05/05/2015
0001340693		ChampLub	1	qt	05/05/2015
0001334041		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334042		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334043		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334044		CONTACT CLEANER 2000	13	oz	05/05/2015
0001333495		SPRAY PAINT BLUE	12	oz	05/05/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001334046		CONTACT CLEANER 2000	13	oz	05/05/2015
0001340837	93-04-9	2-METHOXYNAPHTHALENE	100	gm	05/05/2015
0001334048		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334017		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334016		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334015		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334014		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334013		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334012		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334011		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334010		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334009		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334008		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334045		CONTACT CLEANER 2000	13	oz	05/05/2015
0001333469		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	05/05/2015
0001333498		SPRAY PAINT BLUE	12	oz	05/05/2015
0001333499		SPRAY PAINT BLUE	12	oz	05/05/2015
0001333500		SPRAY PAINT BLUE	12	oz	05/05/2015
0001340692		ChampLub	1	qt	05/05/2015
0001340691		ChampLub	1	qt	05/05/2015
0001340690		ChampLub	1	qt	05/05/2015
0001340689		ChampLub	1	qt	05/05/2015
0001340688		ChampLub	1	qt	05/05/2015
0001340687		ChampLub	1	qt	05/05/2015
0001340632		VACUUM OIL, ULTRA GRADE 19	1	l	05/05/2015
0001340631		VACUUM OIL, ULTRA GRADE 19	1	l	05/05/2015
0001340699		FANTASTIKE ALL PURPOSE CLEANER	1	gal	05/05/2015
0001340629		VACUUM OIL, ULTRA GRADE 19	1	l	05/05/2015
0001340836	98-86-2	ACETOPHENONE	100	ml	05/05/2015
0001340627		VACUUM OIL, ULTRA GRADE 19	1	l	05/05/2015
0001334034		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334035		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334036		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334037		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334038		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334039		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334040		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334957	7732-18-5	Hydrochloric Acid 30-31%	3000	lb	05/05/2015
0001334956	7732-18-5	Hydrochloric Acid 30-31%	3000	lb	05/05/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001334007		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334077		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334018		CONTACT CLEANER 2000	13	oz	05/05/2015
0001340704		FANTASTIKE ALL PURPOSE CLEANER	1	gal	05/05/2015
0001340703		FANTASTIKE ALL PURPOSE CLEANER	1	gal	05/05/2015
0001340702		FANTASTIKE ALL PURPOSE CLEANER	1	gal	05/05/2015
0001340701		FANTASTIKE ALL PURPOSE CLEANER	1	gal	05/05/2015
0001340700		FANTASTIKE ALL PURPOSE CLEANER	1	gal	05/05/2015
0001340390		Methylamine solution	250	ml	05/05/2015
0001334024		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334023		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334022		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334021		CONTACT CLEANER 2000	13	oz	05/05/2015
0001333475		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	05/05/2015
0001334019		CONTACT CLEANER 2000	13	oz	05/05/2015
0001333447		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	05/05/2015
0001334134		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334133		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334132		CONTACT CLEANER 2000	13	oz	05/05/2015
0001333483		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	05/05/2015
0001333482		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	05/05/2015
0001333481		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	05/05/2015
0001333480		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	05/05/2015
0001333479		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	05/05/2015
0001333478		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	05/05/2015
0001333477		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	05/05/2015
0001333476		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	05/05/2015
0001334020		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334062		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334049		CONTACT CLEANER 2000	13	oz	05/05/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001334050		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334051		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334052		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334053		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334054		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334055		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334056		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334057		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334058		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334059		CONTACT CLEANER 2000	13	oz	05/05/2015
0001333445		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	05/05/2015
0001334061		CONTACT CLEANER 2000	13	oz	05/05/2015
0001333446		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	05/05/2015
0001311262		QD ELECTRONIC CLEANER	11	oz	05/05/2015
0001333456		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	05/05/2015
0001333455		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	05/05/2015
0001333459		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	05/05/2015
0001333453		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	05/05/2015
0001334114		CONTACT CLEANER 2000	13	oz	05/05/2015
0001333451		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	05/05/2015
0001333450		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	05/05/2015
0001333449		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	05/05/2015
0001333448		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	05/05/2015
0001333452		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	05/05/2015
0001334060		CONTACT CLEANER 2000	13	oz	05/05/2015
0001333473		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	05/05/2015
0001334118		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334119		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334120		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334121		CONTACT CLEANER 2000	13	oz	05/05/2015
0001333474		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	05/05/2015
0001334122		CONTACT CLEANER 2000	13	oz	05/05/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001333470		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	05/05/2015
0001334124		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334117		CONTACT CLEANER 2000	13	oz	05/05/2015
0001340585	76-05-1	TRIFLUOROACETIC ACID	500	gm	05/05/2015
0001334123		CONTACT CLEANER 2000	13	oz	05/05/2015
0001333472		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	05/05/2015
0001333471		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	05/05/2015
0001340584	76-05-1	TRIFLUOROACETIC ACID	500	gm	05/05/2015
0001340583	76-05-1	TRIFLUOROACETIC ACID	500	gm	05/05/2015
0001333454		PREMIUM BLUE 15W40 DIESEL OIL	1	gal	05/05/2015
0001340534	23746-81-8	2-(2-Naphthyl)indole	5	gm	05/05/2015
0001340394	10034-85-2	HYDRIODIC ACID	50	ml	05/05/2015
0001340532	1314-11-0	STRONTIUM OXIDE	25	gm	05/05/2015
0001340533	15746-57-3	cis-Bis(2,2'-bipyridine)dichlororuthenium(II) dihydrate	1	gm	05/05/2015
0001333992		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334127		CONTACT CLEANER 2000	13	oz	05/05/2015
0001333993		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334116		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334125		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334126		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334128		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334129		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334130		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334115		CONTACT CLEANER 2000	13	oz	05/05/2015
0001334131		CONTACT CLEANER 2000	13	oz	05/05/2015
0001340582	608-30-0	2,6-DIBROMOANILINE	10	gm	05/05/2015
0001340538	10277-43-7	LANTHANUM (III) NITRATE HEXHYDRATE	25	gm	05/05/2015
0001333994		CONTACT CLEANER 2000	13	oz	05/05/2015
0001311263		QD ELECTRONIC CLEANER	11	oz	05/05/2015
0001340607		1-nitro-3,5-dinitroso-1,3,5-triazacyclohexane	10	mg	05/06/2015
0001340608		1,3,5-TRINITROSO-1,3,5-TRIAZACYCLOHEXANE	10	mg	05/06/2015
0001238342		MULTI-PURPOSE SUPER WHITE GREASE	14	oz	05/06/2015
0001340609		1-NITROSO-3,5-DINITRO O-1,3,5-TRIAZACYCLOHEXANE	10	mg	05/06/2015
0001311370		10W-30 SAE MOTOR OIL	1	lb	05/06/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001240031		BATTERY CLEANER	11	oz	05/06/2015
0001340610		METHTYLENEDINITRAMINE	10	mg	05/06/2015
0001339075		DESI PAK	300	ugm	05/06/2015
0001340611		4-NITRO-2,4-DIAZABUTANAL	10	mg	05/06/2015
0001340682		TUNGSTEN STANDARD	125	ml	05/07/2015
0001340681	7440-61-1	URANIUM STANDARD SOLUTION	125	ml	05/07/2015
0001340680	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5	l	05/07/2015
0001340679	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5	l	05/07/2015
0001340678	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5	l	05/07/2015
0001340677	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5	l	05/07/2015
0001340676	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5	l	05/07/2015
0001340675	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5	l	05/07/2015
0001339080		DESI PAK	300	ugm	05/07/2015
0001340612	455-18-5	ALPHA,ALPHA,ALPHA-TRIFLUORO-P-TOLUNITRILE	25	gm	05/07/2015
0001340586	503-17-3	2-BUTYNE	5	gm	05/07/2015
0001340540	68987-32-6	cyanogen bromide-activated	25	gm	05/07/2015
0001340539		No Clean Rosin Flux	125	ml	05/07/2015
0001339086		DESI PAK	300	ugm	05/07/2015
0001339085		DESI PAK	300	ugm	05/07/2015
0001339081		DESI PAK	300	ugm	05/07/2015
0001339083		DESI PAK	300	ugm	05/07/2015
0001339082		DESI PAK	300	ugm	05/07/2015
0001340683		TRACE METALS SAMPLE	20	ml	05/07/2015
0001339084		DESI PAK	300	ugm	05/07/2015
0001334934		Loctite X-NMS Clean Up Solvent	52	ml	05/07/2015
0001340811	67-63-0	ISOPROPYL ALCOHOL	1	l	05/07/2015
0001340812	14017-39-1	IRON(II) SULFAMATE	250	gm	05/07/2015
0001340813		DESI PAK	250	gm	05/07/2015
0001340814		DESI PAK	250	gm	05/07/2015
0001340815		DESI PAK	250	gm	05/07/2015
0001340831	28077-64-7	ACETOPHENONE-2',3',4',5',	5	gm	05/07/2015
0001340832	28077-64-7	ACETOPHENONE-2',3',4',5',	5	gm	05/07/2015
0001340833	28077-64-7	ACETOPHENONE-2',3',4',5',	5	gm	05/07/2015
0001340834	28077-64-7	ACETOPHENONE-2',3',4',5',	5	gm	05/07/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001340835	28077-64-7	ACETOPHENONE-2',3',4',5',	5	gm	05/07/2015
0001334960	1310-73-2	Sodium Hydroxide 25%	3400	lb	05/07/2015
0001334961	1310-73-2	Sodium Hydroxide 25%	3400	lb	05/07/2015
0001334933		LOCTITE 680 RETAININ	10	ml	05/07/2015
0001339079		DESI PAK	300	ugm	05/07/2015
0001340684	7440-41-7	BERYLLIUM STANDARD	125	ml	05/07/2015
0001311406		WINDSHIELD WASHER FLUID	1	gal	05/07/2015
0001311405		WINDSHIELD WASHER FLUID	1	gal	05/07/2015
0001311404		WINDSHIELD WASHER FLUID	1	gal	05/07/2015
0001311403		ANTIFREEZE/COOLANT	1	gal	05/07/2015
0001311402		ANTIFREEZE/COOLANT	1	gal	05/07/2015
0001311394		MULTI-PURPOSE GREASE	14.1	oz	05/07/2015
0001340708		ICAP TUNE SOLUTION	500	ml	05/07/2015
0001340707		Tip Tinner	28	gm	05/07/2015
0001340706	1309-42-8	MAGNESIUM HYDROXIDE	500	gm	05/07/2015
0001340705		DRIERITE DESSICANT	5	lb	05/07/2015
0001340686	1665-00-5	METHYLENE CHLORIDE-D2	0.75	ml	05/07/2015
0001340685	1665-00-5	METHYLENE CHLORIDE-D2	0.75	ml	05/07/2015
0001334962	1310-73-2	Sodium Hydroxide 25%	3400	lb	05/07/2015
0001340674	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5	l	05/07/2015
0001340648	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5	l	05/07/2015
0001311376		DX-111/M ATF	1	qt	05/07/2015
0001311375		DX-111/M ATF	1	qt	05/07/2015
0001311374		DX-111/M ATF	1	qt	05/07/2015
0001311371		GASOILA THREAD SEALANT WITH PTFE	237	ml	05/07/2015
0001340804		Micro-Melt 304L	5	kg	05/07/2015
0001311372		DRY FILM MOLY LUBRICANT LU 200	11	oz	05/07/2015
0001340803		Micro-Melt 304L	5	kg	05/07/2015
0001340673	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5	l	05/07/2015
0001340672	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5	l	05/07/2015
0001340671	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5	l	05/07/2015
0001340670	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5	l	05/07/2015
0001340669	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5	l	05/07/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001340668	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5 l		05/07/2015
0001311373		CHAIN AND CABLE FLUID	11 oz		05/07/2015
0001311386		CARB AND CHOKE CLEANER	13 oz		05/07/2015
0001311377		DX-111/M ATF	1 qt		05/07/2015
0001311378		POWER STEERING FLUID	1 qt		05/07/2015
0001311379		POWER STEERING FLUID	1 qt		05/07/2015
0001311381		POWER STEERING FLUID	1 qt		05/07/2015
0001311382		STARTING FLUID	10.7 oz		05/07/2015
0001340805		Micro-Melt 304L	5 kg		05/07/2015
0001311385		CARB AND CHOKE CLEANER	13 oz		05/07/2015
0001340665	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5 l		05/07/2015
0001311387		CARB AND CHOKE CLEANER	13 oz		05/07/2015
0001311388		BRAKLEEN	14 oz		05/07/2015
0001311389		BRAKLEEN	14 oz		05/07/2015
0001311390		BRAKLEEN	14 oz		05/07/2015
0001311391		BRAKLEEN	14 oz		05/07/2015
0001340802		Micro-Melt 304L	5 kg		05/07/2015
0001311384		CARB AND CHOKE CLEANER	13 oz		05/07/2015
0001340649	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5 l		05/07/2015
0001340650	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5 l		05/07/2015
0001340635	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5 l		05/07/2015
0001340634	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5 l		05/07/2015
0001340633	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5 l		05/07/2015
0001340614	129322-83-4	2',4',5'-Trifluoroacetophenone	5 gm		05/07/2015
0001340667	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5 l		05/07/2015
0001334959	1310-73-2	Sodium Hydroxide 25%	3400 lb		05/07/2015
0001340651	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5 l		05/07/2015
0001340809		Micro-Melt 304L	5 kg		05/07/2015
0001340647	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5 l		05/07/2015
0001340646	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5 l		05/07/2015
0001340645	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5 l		05/07/2015
0001339076		DESI PAK	300 ugm		05/07/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001339077		DESI PAK	300	ugm	05/07/2015
0001340613	2170-06-1	1-PHENYL-2-(TRIMETHYLSILYL)ACETYLENE	10	gm	05/07/2015
0001340657	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5	l	05/07/2015
0001339078		DESI PAK	300	ugm	05/07/2015
0001340664	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5	l	05/07/2015
0001340663	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5	l	05/07/2015
0001340662	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5	l	05/07/2015
0001340661	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5	l	05/07/2015
0001340660	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5	l	05/07/2015
0001340636	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5	l	05/07/2015
0001340658	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5	l	05/07/2015
0001340637	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5	l	05/07/2015
0001340656	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5	l	05/07/2015
0001340655	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5	l	05/07/2015
0001340654	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5	l	05/07/2015
0001340653	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5	l	05/07/2015
0001340652	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5	l	05/07/2015
0001340666	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5	l	05/07/2015
0001340659	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5	l	05/07/2015
0001340767		Micro-Melt 304L	5	kg	05/07/2015
0001340808		Micro-Melt 304L	5	kg	05/07/2015
0001311397		MULTI-PURPOSE GREASE	14.1	oz	05/07/2015
0001333486		CLOROX	3.78	qt	05/07/2015
0001333485		CLOROX	3.78	qt	05/07/2015
0001333501		TRANE OIL00045	1	gal	05/07/2015
0001311401		LOCTITE THREADLOCKER	10	ml	05/07/2015
0001340800		Micro-Melt 304L	5	kg	05/07/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001311400		LOCTITE THREADLOCKER	10	ml	05/07/2015
0001340801		Micro-Melt 304L	5	kg	05/07/2015
0001311399		LOCTITE THREADLOCKER	10	ml	05/07/2015
0001340779		Micro-Melt 304L	5	kg	05/07/2015
0001340766		Micro-Melt 304L	5	kg	05/07/2015
0001311395		MULTI-PURPOSE GREASE	14.1	oz	05/07/2015
0001340768		Micro-Melt 304L	5	kg	05/07/2015
0001340769		Micro-Melt 304L	5	kg	05/07/2015
0001340763		Micro-Melt 304L	5	kg	05/07/2015
0001340771		Micro-Melt 304L	5	kg	05/07/2015
0001340773		Micro-Melt 304L	5	kg	05/07/2015
0001340774		Micro-Melt 304L	5	kg	05/07/2015
0001340775		Micro-Melt 304L	5	kg	05/07/2015
0001340776		Micro-Melt 304L	5	kg	05/07/2015
0001340777		Micro-Melt 304L	5	kg	05/07/2015
0001340778		Micro-Melt 304L	5	kg	05/07/2015
0001311398	67-56-1	HEET Gas Line Antifreeze	12	oz	05/07/2015
0001340799		Micro-Melt 304L	5	kg	05/07/2015
0001340786		Micro-Melt 304L	5	kg	05/07/2015
0001340787		Micro-Melt 304L	5	kg	05/07/2015
0001340788		Micro-Melt 304L	5	kg	05/07/2015
0001340789		Micro-Melt 304L	5	kg	05/07/2015
0001340790		Micro-Melt 304L	5	kg	05/07/2015
0001340791		Micro-Melt 304L	5	kg	05/07/2015
0001340762		Micro-Melt 304L	5	kg	05/07/2015
0001340761		Micro-Melt 304L	5	kg	05/07/2015
0001340797		Micro-Melt 304L	5	kg	05/07/2015
0001340760		Micro-Melt 304L	5	kg	05/07/2015
0001311396		MULTI-PURPOSE GREASE	14.1	oz	05/07/2015
0001340798		Micro-Melt 304L	5	kg	05/07/2015
0001311380		POWER STEERING FLUID	1	qt	05/07/2015
0001340792		Micro-Melt 304L	5	kg	05/07/2015
0001340793		Micro-Melt 304L	5	kg	05/07/2015
0001340644	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5	l	05/07/2015
0001340643	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5	l	05/07/2015
0001340642	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5	l	05/07/2015
0001340794		Micro-Melt 304L	5	kg	05/07/2015
0001340795		Micro-Melt 304L	5	kg	05/07/2015
0001340796		Micro-Melt 304L	5	kg	05/07/2015
0001311392		LACQUER PAINT HOT ROD BLACK	12	oz	05/07/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001311393		LACQUER PAINT HOT ROD BLACK	12	oz	05/07/2015
0001340772		Micro-Melt 304L	5	kg	05/07/2015
0001340759		Micro-Melt 304L	5	kg	05/07/2015
0001340810	67-63-0	ISOPROPYL ALCOHOL	1	l	05/07/2015
0001340640	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5	l	05/07/2015
0001340641	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5	l	05/07/2015
0001340638	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5	l	05/07/2015
0001340780		Micro-Melt 304L	5	kg	05/07/2015
0001340770		Micro-Melt 304L	5	kg	05/07/2015
0001340785		Micro-Melt 304L	5	kg	05/07/2015
0001340838	652-29-9	2',3',4',5',6'-Pentafluoroacetophenone	10	gm	05/07/2015
0001340784		Micro-Melt 304L	5	kg	05/07/2015
0001340639	1336-21-6	AMMONIUM HYDROXIDE, 28-30%	2.5	l	05/07/2015
0001340782		Micro-Melt 304L	5	kg	05/07/2015
0001333502		TRANE OIL00045	1	gal	05/07/2015
0001340781		Micro-Melt 304L	5	kg	05/07/2015
0001340807		Micro-Melt 304L	5	kg	05/07/2015
0001340806		Micro-Melt 304L	5	kg	05/07/2015
0001340783		Micro-Melt 304L	5	kg	05/07/2015
0001311407		WINDSHIELD WASHER FLUID	1	gal	05/07/2015
0001340765		Micro-Melt 304L	5	kg	05/07/2015
0001333503		TRANE OIL00045	1	gal	05/07/2015
0001340764		Micro-Melt 304L	5	kg	05/07/2015
0001381401	7782-42-5	GRAPHITE	5	qt	05/07/2015
0001333557		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333554		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333553		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333552		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333558		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333701		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333556		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333555		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333444		ready mix concrete	60	lb	05/08/2015
0001333443		ready mix concrete	60	lb	05/08/2015
0001333442		ready mix concrete	60	lb	05/08/2015
0001333441		ready mix concrete	60	lb	05/08/2015
0001333428		ready mix concrete	60	lb	05/08/2015
0001333439		ready mix concrete	60	lb	05/08/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001333570		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333700		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333699		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333698		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333440		ready mix concrete	60	lb	05/08/2015
0001333567		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333562		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333436		ready mix concrete	60	lb	05/08/2015
0001333435		ready mix concrete	60	lb	05/08/2015
0001333434		ready mix concrete	60	lb	05/08/2015
0001333419		ready mix concrete	60	lb	05/08/2015
0001333433		ready mix concrete	60	lb	05/08/2015
0001333432		ready mix concrete	60	lb	05/08/2015
0001333437		ready mix concrete	60	lb	05/08/2015
0001333438		ready mix concrete	60	lb	05/08/2015
0001333563		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333564		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333572		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333566		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333559		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333568		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333598		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333431		ready mix concrete	60	lb	05/08/2015
0001333430		ready mix concrete	60	lb	05/08/2015
0001333429		ready mix concrete	60	lb	05/08/2015
0001333583		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333569		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333571		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333573		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333574		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333561		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333560		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333565		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333550		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333540		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333541		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333542		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333543		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333544		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333548		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333546		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333537		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333551		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333522		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333521		ITW RED HEAD ADHESIVE	28	oz	05/08/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001333520		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333519		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333417		ready mix concrete	60	lb	05/08/2015
0001333545		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333531		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333523		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333524		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333525		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333526		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333527		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333528		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333539		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333530		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333538		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333532		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333533		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333534		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333535		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333536		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333517		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333529		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333416		ready mix concrete	60	lb	05/08/2015
0001333421		ready mix concrete	60	lb	05/08/2015
0001333578		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333577		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333576		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333575		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333518		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333418		ready mix concrete	60	lb	05/08/2015
0001333424		ready mix concrete	60	lb	05/08/2015
0001333415		ready mix concrete	60	lb	05/08/2015
0001333494	65997-15-1	PORTLAND CEMENT	90	lb	05/08/2015
0001333493	65997-15-1	PORTLAND CEMENT	90	lb	05/08/2015
0001333492	65997-15-1	PORTLAND CEMENT	90	lb	05/08/2015
0001333600		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333582		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333420		ready mix concrete	60	lb	05/08/2015
0001333585		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333516		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333515		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333549		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333580		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333581		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333584		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333422		ready mix concrete	60	lb	05/08/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001333513		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333423		ready mix concrete	60	lb	05/08/2015
0001333697		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333579		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333427		ready mix concrete	60	lb	05/08/2015
0001333426		ready mix concrete	60	lb	05/08/2015
0001333425		ready mix concrete	60	lb	05/08/2015
0001333491	65997-15-1	PORTLAND CEMENT	90	lb	05/08/2015
0001333514		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333616		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333667		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333608		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333609		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333610		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333611		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333612		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333613		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333696		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333615		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333587		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333617		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333619		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333621		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333622		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333623		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333624		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333625		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333626		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333614		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333590		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333666		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333665		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333664		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333663		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333662		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333661		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333660		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333586		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333658		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333629		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333589		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333588		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333681		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333603		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333604		HIT-RE 500 SD	16.9	oz	05/08/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001333605		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333606		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333607		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333659		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333650		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333506		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333505		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333511		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333504		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333655		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333654		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333653		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333627		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333651		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333488	65997-15-1	PORTLAND CEMENT	90	lb	05/08/2015
0001333649		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333648		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333647		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333646		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333642		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333645		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333644		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333643		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333652		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333639		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333618		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333630		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333631		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333632		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333633		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333634		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333635		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333636		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333847	65997-15-1	PORTLAND CEMENT	90	lb	05/08/2015
0001333638		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333487	65997-15-1	PORTLAND CEMENT	90	lb	05/08/2015
0001333640		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333641		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333657		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333675		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333656		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333490	65997-15-1	PORTLAND CEMENT	90	lb	05/08/2015
0001333489	65997-15-1	PORTLAND CEMENT	90	lb	05/08/2015
0001333628		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333637		HIT-RE 500 SD	16.9	oz	05/08/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001333687		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333507		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333508		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333510		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333680		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333671		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333672		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333673		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333674		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333512		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333678		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333688		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333509		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333686		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333620		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333668		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333685		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333684		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333683		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333679		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333691		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333682		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333689		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333690		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333599		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333676		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333670		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333597		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333596		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333595		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333601		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333695		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333694		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333677		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333692		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333547		ITW RED HEAD ADHESIVE	28	oz	05/08/2015
0001333669		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333591		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333592		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333693		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333593		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333594		HIT-RE 500 SD	16.9	oz	05/08/2015
0001333602		HIT-RE 500 SD	16.9	oz	05/08/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001340817	6035-19-4	2-CHLORO-4-NITROBENZENE DIAZONIUM NAPHTHALENE-2-SULFONATE	5	gm	05/11/2015
0001340820	4076-02-2	SODIUM 2, 3-DIMERCAPTOPROPANESULFONATE MONOHYDRATE 95%	250	mg	05/11/2015
0001340818	16048-40-1	ANTHRAQUINONE-1-DIAZONIUM CHLORIDE	1	gm	05/11/2015
0001200128		FIXER REPLENISHER	19	l	05/11/2015
0001200129		FIXER REPLENISHER	19	l	05/11/2015
0001340819	288-32-4	IMIDAZOLE	500	gm	05/11/2015
0001200133		FIXER REPLENISHER	19	l	05/11/2015
0001200102		DEVELOPER REPLENISHER B	19	l	05/11/2015
0001200104		DEVELOPER REPLENISHER B	19	l	05/11/2015
0001200103		DEVELOPER REPLENISHER B	19	l	05/11/2015
0001200148		FIXER REPLENISHER	19	l	05/11/2015
0001200145		FIXER REPLENISHER	19	l	05/11/2015
0001200144		FIXER REPLENISHER	19	l	05/11/2015
0001200143		FIXER REPLENISHER	19	l	05/11/2015
0001200142		FIXER REPLENISHER	19	l	05/11/2015
0001200141		FIXER REPLENISHER	19	l	05/11/2015
0001200140		FIXER REPLENISHER	19	l	05/11/2015
0001200139		FIXER REPLENISHER	19	l	05/11/2015
0001200131		FIXER REPLENISHER	19	l	05/11/2015
0001200147		FIXER REPLENISHER	19	l	05/11/2015
0001200130		FIXER REPLENISHER	19	l	05/11/2015
0001200116		DEVELOPER REPLENISHER B	19	l	05/11/2015
0001200149		FIXER REPLENISHER	19	l	05/11/2015
0001200137		FIXER REPLENISHER	19	l	05/11/2015
0001200136		FIXER REPLENISHER	19	l	05/11/2015
0001200135		FIXER REPLENISHER	19	l	05/11/2015
0001200134		FIXER REPLENISHER	19	l	05/11/2015
0001200146		FIXER REPLENISHER	19	l	05/11/2015
0001200132		FIXER REPLENISHER	19	l	05/11/2015
0001200138		FIXER REPLENISHER	19	l	05/11/2015
0001200122		DEVELOPER REPLENISHER B	19	l	05/11/2015
0001200127		FIXER REPLENISHER	19	l	05/11/2015
0001200126		FIXER REPLENISHER	19	l	05/11/2015
0001200125		DEVELOPER REPLENISHER B	19	l	05/11/2015
0001200114		DEVELOPER REPLENISHER B	19	l	05/11/2015
0001200123		DEVELOPER REPLENISHER B	19	l	05/11/2015
0001340816		PASCO 9046 Pipe Primer	1	qt	05/11/2015
0001200121		DEVELOPER REPLENISHER B	19	l	05/11/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001200120		DEVELOPER REPLENISHER B	19 l		05/11/2015
0001200119		DEVELOPER REPLENISHER B	19 l		05/11/2015
0001200118		DEVELOPER REPLENISHER B	19 l		05/11/2015
0001200117		DEVELOPER REPLENISHER B	19 l		05/11/2015
0001200115		DEVELOPER REPLENISHER B	19 l		05/11/2015
0001200107		DEVELOPER REPLENISHER B	19 l		05/11/2015
0001200124		DEVELOPER REPLENISHER B	19 l		05/11/2015
0001334955		INDIUM IN 2% OR 5% HNO3	30 ml		05/11/2015
0001200106		DEVELOPER REPLENISHER B	19 l		05/11/2015
0001200105		DEVELOPER REPLENISHER B	19 l		05/11/2015
0001200108		DEVELOPER REPLENISHER B	19 l		05/11/2015
0001200109		DEVELOPER REPLENISHER B	19 l		05/11/2015
0001200110		DEVELOPER REPLENISHER B	19 l		05/11/2015
0001200111		DEVELOPER REPLENISHER B	19 l		05/11/2015
0001200112		DEVELOPER REPLENISHER B	19 l		05/11/2015
0001200113		DEVELOPER REPLENISHER B	19 l		05/11/2015
0001320826	60-29-7	DIETHYL-D10 ETHER	100 l		05/12/2015
0001340921	7697-37-2	NITRIC ACID	2.5 l		05/12/2015
0001340920	7697-37-2	NITRIC ACID	2.5 l		05/12/2015
0001340919	7697-37-2	NITRIC ACID	2.5 l		05/12/2015
0001340923	7697-37-2	NITRIC ACID	2.5 l		05/12/2015
0001340918	7697-37-2	NITRIC ACID	2.5 l		05/12/2015
0001340917	7697-37-2	NITRIC ACID	2.5 l		05/12/2015
0001340922	7697-37-2	NITRIC ACID	2.5 l		05/12/2015
0001320825	109-99-9	TETRAHYDROFURAN	100 ml		05/12/2015
0001320824	109-99-9	TETRAHYDROFURAN	100 ml		05/12/2015
0000961239	64742-65-0	PUMP OIL	1 l		05/12/2015
0000961240	64742-65-0	PUMP OIL	1 l		05/12/2015
0000961295	64742-65-0	PUMP OIL	1 l		05/12/2015
0001340916	7697-37-2	NITRIC ACID	2.5 l		05/12/2015
0000961260	64742-65-0	PUMP OIL	1 l		05/12/2015
0000961267	64742-65-0	PUMP OIL	1 l		05/12/2015
0001280452		3M SCOTCH GRIP PLASTIC ADHESIVE - 1099	5 oz		05/12/2015
0000961258	64742-65-0	PUMP OIL	1 l		05/12/2015
0001340710	811-97-2	CRC CONTACT CLEANER	19 oz		05/12/2015
0001280428		LACQUER THINNER	5 gal		05/12/2015
0001280429		LACQUER THINNER	5 gal		05/12/2015
0001280430		LACQUER THINNER	5 gal		05/12/2015
0001280431		LACQUER THINNER	5 gal		05/12/2015
0001280432		LACQUER THINNER	5 gal		05/12/2015
0001280433		LACQUER THINNER	5 gal		05/12/2015
0001340924	7697-37-2	NITRIC ACID	2.5 l		05/12/2015
0001361981	7440-37-1	ARGON, COMPRESSED	220 cf		05/12/2015
0001280434		LACQUER THINNER	5 gal		05/12/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001280435		LACQUER THINNER	5	gal	05/12/2015
0001340713	811-97-2	CRC CONTACT CLEANER	19	oz	05/12/2015
0001280450		3M SCOTCH GRIP PLASTIC ADHESIVE - 1099	5	oz	05/12/2015
0001340711	811-97-2	CRC CONTACT CLEANER	19	oz	05/12/2015
0001280453		3M SCOTCH GRIP PLASTIC ADHESIVE - 1099	5	oz	05/12/2015
0001340709	811-97-2	CRC CONTACT CLEANER	19	oz	05/12/2015
0001339461		IonoPlus 3000	55	gal	05/12/2015
0001339460		IonoPlus 3000	55	gal	05/12/2015
0001280436		LACQUER THINNER	5	gal	05/12/2015
0001280437		LACQUER THINNER	5	gal	05/12/2015
0001280438		LACQUER THINNER	5	gal	05/12/2015
0001280439		LACQUER THINNER	5	gal	05/12/2015
0001280440		LACQUER THINNER	5	gal	05/12/2015
0001280441		LACQUER THINNER	5	gal	05/12/2015
0001339458		IonoPlus 3000	55	gal	05/12/2015
0001339459		IonoPlus 3000	55	gal	05/12/2015
0001340712	811-97-2	CRC CONTACT CLEANER	19	oz	05/12/2015
0001340908	7697-37-2	NITRIC ACID	2.5	l	05/12/2015
0001340914	7697-37-2	NITRIC ACID	2.5	l	05/12/2015
0001340913	7697-37-2	NITRIC ACID	2.5	l	05/12/2015
0001362058		94% Argon and 6% Hydrogen	220	cf	05/12/2015
0001362059		94% Argon and 6% Hydrogen	220	cf	05/12/2015
0001340912	7697-37-2	NITRIC ACID	2.5	l	05/12/2015
0001362060		94% Argon and 6% Hydrogen	220	cf	05/12/2015
0001362061		94% Argon and 6% Hydrogen	220	cf	05/12/2015
0001362062		94% Argon and 6% Hydrogen	220	cf	05/12/2015
0001362063		94% Argon and 6% Hydrogen	220	cf	05/12/2015
0001362064		94% Argon and 6% Hydrogen	220	cf	05/12/2015
0001340911	7697-37-2	NITRIC ACID	2.5	l	05/12/2015
0001280455		3M SCOTCH GRIP PLASTIC ADHESIVE - 1099	5	oz	05/12/2015
0001340909	7697-37-2	NITRIC ACID	2.5	l	05/12/2015
0001280454		3M SCOTCH GRIP PLASTIC ADHESIVE - 1099	5	oz	05/12/2015
0001340907	7697-37-2	NITRIC ACID	2.5	l	05/12/2015
0001340906	7697-37-2	NITRIC ACID	2.5	l	05/12/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001340905	7697-37-2	NITRIC ACID	2.5 l		05/12/2015
0001340904	7697-37-2	NITRIC ACID	2.5 l		05/12/2015
0001340903	7697-37-2	NITRIC ACID	2.5 l		05/12/2015
0001340866		FANTASTIKE ALL PURPOSE CLEANER	32 oz		05/12/2015
0001340865		FANTASTIKE ALL PURPOSE CLEANER	32 oz		05/12/2015
0001340864		FANTASTIKE ALL PURPOSE CLEANER	32 oz		05/12/2015
0001280448		3M SCOTCH GRIP PLASTIC ADHESIVE - 1099	5 oz		05/12/2015
0001280449		3M SCOTCH GRIP PLASTIC ADHESIVE - 1099	5 oz		05/12/2015
0001280451		3M SCOTCH GRIP PLASTIC ADHESIVE - 1099	5 oz		05/12/2015
0001340915	7697-37-2	NITRIC ACID	2.5 l		05/12/2015
0001340910	7697-37-2	NITRIC ACID	2.5 l		05/12/2015
0001361992	7440-37-1	ARGON, COMPRESSED	220 cf		05/12/2015
0001362043		P-10 (90% ARGON 10% METHANE)	220 cf		05/12/2015
0001362044		P-10 (90% ARGON 10% METHANE)	220 cf		05/12/2015
0001362045		P-10 (90% ARGON 10% METHANE)	220 cf		05/12/2015
0001361994	7440-37-1	ARGON, COMPRESSED	220 cf		05/12/2015
0001361941	7440-37-1	ARGON, COMPRESSED	220 cf		05/12/2015
0001361948	7440-37-1	ARGON, COMPRESSED	220 cf		05/12/2015
0001362046		P-10 (90% ARGON 10% METHANE)	220 cf		05/12/2015
0001362047		P-10 (90% ARGON 10% METHANE)	220 cf		05/12/2015
0001320827	60-29-7	DIETHYL-D10 ETHER	100 l		05/12/2015
0001361993	7440-37-1	ARGON, COMPRESSED	220 cf		05/12/2015
0001362039	7727-37-9	NITROGEN, COMPRESSED GAS	220 cf		05/12/2015
0001361991	7440-37-1	ARGON, COMPRESSED	220 cf		05/12/2015
0001361990	7440-37-1	ARGON, COMPRESSED	220 cf		05/12/2015
0001361989	7440-37-1	ARGON, COMPRESSED	220 cf		05/12/2015
0001361988	7440-37-1	ARGON, COMPRESSED	220 cf		05/12/2015
0001361987	7440-37-1	ARGON, COMPRESSED	220 cf		05/12/2015
0001361986	7440-37-1	ARGON, COMPRESSED	220 cf		05/12/2015
0001361985	7440-37-1	ARGON, COMPRESSED	220 cf		05/12/2015
0001361984	7440-37-1	ARGON, COMPRESSED	220 cf		05/12/2015
0001361983	7440-37-1	ARGON, COMPRESSED	220 cf		05/12/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001362048		P-10 (90% ARGON 10% METHANE)	220	cf	05/12/2015
0001340952	7697-37-2	NITRIC ACID	2.5	l	05/12/2015
0001109309		MAGNESIUM, AAS STANDARD S	100	ml	05/12/2015
0001340962	7697-37-2	NITRIC ACID	2.5	l	05/12/2015
0001340961	7697-37-2	NITRIC ACID	2.5	l	05/12/2015
0001340960	7697-37-2	NITRIC ACID	2.5	l	05/12/2015
0001340959	7697-37-2	NITRIC ACID	2.5	l	05/12/2015
0001340958	7697-37-2	NITRIC ACID	2.5	l	05/12/2015
0001340957	7697-37-2	NITRIC ACID	2.5	l	05/12/2015
0001340956	7697-37-2	NITRIC ACID	2.5	l	05/12/2015
0001340955	7697-37-2	NITRIC ACID	2.5	l	05/12/2015
0001362042		P-10 (90% ARGON 10% METHANE)	220	cf	05/12/2015
0001340953	7697-37-2	NITRIC ACID	2.5	l	05/12/2015
0001362040	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/12/2015
0001340951	7697-37-2	NITRIC ACID	2.5	l	05/12/2015
0001340950	7697-37-2	NITRIC ACID	2.5	l	05/12/2015
0001340949	7697-37-2	NITRIC ACID	2.5	l	05/12/2015
0001340948	7697-37-2	NITRIC ACID	2.5	l	05/12/2015
0001338358		WASTE LOCK 770-50	4	lb	05/12/2015
0001362036	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/12/2015
0001362037	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/12/2015
0001362038	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/12/2015
0001361980	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001340954	7697-37-2	NITRIC ACID	2.5	l	05/12/2015
0001362054		P-10 (90% ARGON 10% METHANE)	220	cf	05/12/2015
0001361982	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001361959	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001361958	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001362049		P-10 (90% ARGON 10% METHANE)	220	cf	05/12/2015
0001362050		P-10 (90% ARGON 10% METHANE)	220	cf	05/12/2015
0001362051		P-10 (90% ARGON 10% METHANE)	220	cf	05/12/2015
0001340932	7697-37-2	NITRIC ACID	2.5	l	05/12/2015
0001340931	7697-37-2	NITRIC ACID	2.5	l	05/12/2015
0001340930	7697-37-2	NITRIC ACID	2.5	l	05/12/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001361961	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001362053		P-10 (90% ARGON 10% METHANE)	220	cf	05/12/2015
0001361962	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001362055		P-10 (90% ARGON 10% METHANE)	220	cf	05/12/2015
0001362056		94% Argon and 6% Hydrogen	220	cf	05/12/2015
0001362057		94% Argon and 6% Hydrogen	220	cf	05/12/2015
0001340850	1336-21-6	AMMONIUM HYDROXIDE	500	ml	05/12/2015
0001340929	7697-37-2	NITRIC ACID	2.5	l	05/12/2015
0001340928	7697-37-2	NITRIC ACID	2.5	l	05/12/2015
0001340927	7697-37-2	NITRIC ACID	2.5	l	05/12/2015
0001340926	7697-37-2	NITRIC ACID	2.5	l	05/12/2015
0001340925	7697-37-2	NITRIC ACID	2.5	l	05/12/2015
0001362052		P-10 (90% ARGON 10% METHANE)	220	cf	05/12/2015
0001361972	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001361977	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001320828	60-29-7	DIETHYL-D10 ETHER	100	l	05/12/2015
0001361908	7782-50-5	CHLORINE	20	cf	05/12/2015
0001361909	7782-50-5	CHLORINE	20	cf	05/12/2015
0001361910	7782-50-5	CHLORINE	20	cf	05/12/2015
0001361979	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001361978	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001361976	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001361975	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001361960	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001361973	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001361914	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	05/12/2015
0001361971	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001361970	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001361969	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001361968	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001361967	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001361966	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001361965	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001361964	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001361963	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001361974	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001280416		TRAFFIC PAINT YELLOW	5	gal	05/12/2015
0001340933	7697-37-2	NITRIC ACID	2.5	l	05/12/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001340863		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/12/2015
0001280445		TRAFFIC PAINT YELLOW	5	gal	05/12/2015
0001334965	7732-18-5	Hydrochloric Acid 30-31%	3000	lb	05/12/2015
0001280426		TRAFFIC PAINT YELLOW	5	gal	05/12/2015
0001280425		TRAFFIC PAINT YELLOW	5	gal	05/12/2015
0001280424		TRAFFIC PAINT YELLOW	5	gal	05/12/2015
0001280423		TRAFFIC PAINT YELLOW	5	gal	05/12/2015
0001280422		TRAFFIC PAINT YELLOW	5	gal	05/12/2015
0001280421		TRAFFIC PAINT YELLOW	5	gal	05/12/2015
0001280420		TRAFFIC PAINT YELLOW	5	gal	05/12/2015
0001280419		TRAFFIC PAINT YELLOW	5	gal	05/12/2015
0001340861		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/12/2015
0001280417		TRAFFIC PAINT YELLOW	5	gal	05/12/2015
0001340860		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/12/2015
0001280415		TRAFFIC PAINT YELLOW	5	gal	05/12/2015
0001280443		WHITE TRAFFIC PAINT	5	gal	05/12/2015
0001362065		94% Argon and 6% Hydrogen	220	cf	05/12/2015
0001362066		94% Argon and 6% Hydrogen	220	cf	05/12/2015
0001362067		94% Argon and 6% Hydrogen	220	cf	05/12/2015
0001362068		94% Argon and 6% Hydrogen	220	cf	05/12/2015
0001362069		94% Argon and 6% Hydrogen	220	cf	05/12/2015
0001362070		94% Argon and 6% Hydrogen	220	cf	05/12/2015
0001362071	7440-59-7	HELIUM	220	cf	05/12/2015
0001362072	7440-59-7	HELIUM	220	cf	05/12/2015
0001362073	7440-59-7	HELIUM	220	cf	05/12/2015
0001362074	7440-59-7	HELIUM	220	cf	05/12/2015
0001280418		TRAFFIC PAINT YELLOW	5	gal	05/12/2015
0001361945	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001361955	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001361954	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001361953	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001361952	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001361951	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001361950	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001299022	9048-46-8	LYOPHILIZED BOVINE SERUM	1	gm	05/12/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001362041		P-10 (90% ARGON 10% METHANE)	220	cf	05/12/2015
0001280414		TRAFFIC PAINT YELLOW	5	gal	05/12/2015
0001361949	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001361947	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001361946	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001340862		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/12/2015
0001280446		3M SCOTCH GRIP PLASTIC ADHESIVE - 1099	5	oz	05/12/2015
0001362077	7440-59-7	HELIUM	220	cf	05/12/2015
0001361944	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001361943	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001361942	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001361940	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001361939	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001362026	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/12/2015
0001361937	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001361916	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	05/12/2015
0001361932	115-07-1	PROPYLENE	40	cf	05/12/2015
0001340857		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/12/2015
0001340858		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/12/2015
0001340859		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/12/2015
0001280447		3M SCOTCH GRIP PLASTIC ADHESIVE - 1099	5	oz	05/12/2015
0001362029	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/12/2015
0001340849	1336-21-6	AMMONIUM HYDROXIDE	500	ml	05/12/2015
0001340848	1336-21-6	AMMONIUM HYDROXIDE	500	ml	05/12/2015
0001340847	1336-21-6	AMMONIUM HYDROXIDE	500	ml	05/12/2015
0001280411		WHITE TRAFFIC PAINT	5	gal	05/12/2015
0001280410		WHITE TRAFFIC PAINT	5	gal	05/12/2015
0001280409		WHITE TRAFFIC PAINT	5	gal	05/12/2015
0001280408		WHITE TRAFFIC PAINT	5	gal	05/12/2015
0001361911	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	05/12/2015
0001362035	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/12/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001362034	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/12/2015
0001362033	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/12/2015
0001362032	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/12/2015
0001362075	7440-59-7	HELIUM	220	cf	05/12/2015
0001362030	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/12/2015
0001340845		2-PROPANOL	4	l	05/12/2015
0001362028	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/12/2015
0000961250	64742-65-0	PUMP OIL	1	l	05/12/2015
0001362027	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/12/2015
0000961296	64742-65-0	PUMP OIL	1	l	05/12/2015
0001340721		EPON 828	1	gal	05/12/2015
0001340720	811-97-2	CRC CONTACT CLEANER	19	oz	05/12/2015
0001340719	811-97-2	CRC CONTACT CLEANER	19	oz	05/12/2015
0001340718	811-97-2	CRC CONTACT CLEANER	19	oz	05/12/2015
0001340717	811-97-2	CRC CONTACT CLEANER	19	oz	05/12/2015
0001340716	811-97-2	CRC CONTACT CLEANER	19	oz	05/12/2015
0001340715	811-97-2	CRC CONTACT CLEANER	19	oz	05/12/2015
0001340714	811-97-2	CRC CONTACT CLEANER	19	oz	05/12/2015
0001362031	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/12/2015
0001311410		SUPER GLUE	2	gm	05/12/2015
0001361938	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001362078	7440-59-7	HELIUM	220	cf	05/12/2015
0001362079	7440-59-7	HELIUM	220	cf	05/12/2015
0001362080	7440-59-7	HELIUM	220	cf	05/12/2015
0001362081	7440-59-7	HELIUM	220	cf	05/12/2015
0001362082	7440-59-7	HELIUM	220	cf	05/12/2015
0001362083	7440-59-7	HELIUM	220	cf	05/12/2015
0001362084	7440-59-7	HELIUM	220	cf	05/12/2015
0001362085	7440-59-7	HELIUM	220	cf	05/12/2015
0001280442		WHITE TRAFFIC PAINT	5	gal	05/12/2015
0001280413		WHITE TRAFFIC PAINT	5	gal	05/12/2015
0001340822	72626-61-0	4-methylumbelliferyl-beta-D-cellobioside	100	mg	05/12/2015
0001280412		WHITE TRAFFIC PAINT	5	gal	05/12/2015
0001311409		SUPER GLUE	2	gm	05/12/2015
0001340846		2-PROPANOL	4	l	05/12/2015
0001340823	77471-44-4	4-Methylumbelliferyl ?-L-arabinofuranoside	10	mg	05/12/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001340824	67909-30-2	4-Methylumbelliferyl ?-D-mannopyranoside	25	mg	05/12/2015
0001340825	6160-78-7	4-METHYLUMBELLIFERYL-BETA-D-GALACTOSIDE	250	mg	05/12/2015
0001340827	18997-57-4	4-Methylumbelliferyl ?-D-glucopyranoside	100	mg	05/12/2015
0001340828	1317-36-8	LEAD(II) OXIDE	50	gm	05/12/2015
0001340829	372-48-5	2-Fluoropyridine	50	ml	05/12/2015
0001340839		2-PROPANOL	4	l	05/12/2015
0001340840		2-PROPANOL	4	l	05/12/2015
0001340841		2-PROPANOL	4	l	05/12/2015
0001340842		2-PROPANOL	4	l	05/12/2015
0001340843		2-PROPANOL	4	l	05/12/2015
0001340844		2-PROPANOL	4	l	05/12/2015
0001362076	7440-59-7	HELIUM	220	cf	05/12/2015
0001311408		SUPER GLUE	2	gm	05/12/2015
0001362003		AIR, COMPRESSED	220	cf	05/12/2015
0001362010		AIR, COMPRESSED	220	cf	05/12/2015
0001361936	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001340934	7697-37-2	NITRIC ACID	2.5	l	05/12/2015
0001361931	75-45-6	CHLORODIFLUOROMETHANE	30	lb	05/12/2015
0001362009		AIR, COMPRESSED	220	cf	05/12/2015
0001362008		AIR, COMPRESSED	220	cf	05/12/2015
0001362017	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/12/2015
0001361996		AIR, COMPRESSED	220	cf	05/12/2015
0001362006		AIR, COMPRESSED	220	cf	05/12/2015
0001340941	7697-37-2	NITRIC ACID	2.5	l	05/12/2015
0001362004		AIR, COMPRESSED	220	cf	05/12/2015
0001362013	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/12/2015
0001362002		AIR, COMPRESSED	220	cf	05/12/2015
0001362001		AIR, COMPRESSED	220	cf	05/12/2015
0001362000		AIR, COMPRESSED	220	cf	05/12/2015
0001361999		AIR, COMPRESSED	220	cf	05/12/2015
0001340947	7697-37-2	NITRIC ACID	2.5	l	05/12/2015
0001340946	7697-37-2	NITRIC ACID	2.5	l	05/12/2015
0001340945	7697-37-2	NITRIC ACID	2.5	l	05/12/2015
0001340944	7697-37-2	NITRIC ACID	2.5	l	05/12/2015
0001340943	7697-37-2	NITRIC ACID	2.5	l	05/12/2015
0001340942	7697-37-2	NITRIC ACID	2.5	l	05/12/2015
0001362005		AIR, COMPRESSED	220	cf	05/12/2015
0001362024	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/12/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001361930	75-45-6	CHLORODIFLUOROMETHANE	30	lb	05/12/2015
0001361929	75-45-6	CHLORODIFLUOROMETHANE	30	lb	05/12/2015
0001361928	75-45-6	CHLORODIFLUOROMETHANE	30	lb	05/12/2015
0001361921	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	250	l	05/12/2015
0001361920	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	05/12/2015
0001361919	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	05/12/2015
0001361918	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	05/12/2015
0001361917	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	05/12/2015
0001361915	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	05/12/2015
0001361913	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	05/12/2015
0001362011	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/12/2015
0001362025	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/12/2015
0001362012	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/12/2015
0001362023	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/12/2015
0001362022	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/12/2015
0001362021	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/12/2015
0001362020	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/12/2015
0001362019	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/12/2015
0001362018	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/12/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001362016	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/12/2015
0001362015	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/12/2015
0001362014	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/12/2015
0001361995	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001361912	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	05/12/2015
0001340940	7697-37-2	NITRIC ACID	2.5	l	05/12/2015
0001340855		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/12/2015
0001340936	7697-37-2	NITRIC ACID	2.5	l	05/12/2015
0001280394		WHITE TRAFFIC PAINT	5	gal	05/12/2015
0001361957	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001280401		WHITE TRAFFIC PAINT	5	gal	05/12/2015
0001280406		WHITE TRAFFIC PAINT	5	gal	05/12/2015
0001340856		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/12/2015
0001280405		WHITE TRAFFIC PAINT	5	gal	05/12/2015
0001280427		LACQUER THINNER	5	gal	05/12/2015
0001340854	9048-46-8	BOVINE SERUM ALBUMIN	100	gm	05/12/2015
0001280393		WHITE TRAFFIC PAINT	5	gal	05/12/2015
0001361956	7440-37-1	ARGON, COMPRESSED	220	cf	05/12/2015
0001280404		WHITE TRAFFIC PAINT	5	gal	05/12/2015
0001362007		AIR, COMPRESSED	220	cf	05/12/2015
0001280403		WHITE TRAFFIC PAINT	5	gal	05/12/2015
0001280402		WHITE TRAFFIC PAINT	5	gal	05/12/2015
0001280395		WHITE TRAFFIC PAINT	5	gal	05/12/2015
0001280396		WHITE TRAFFIC PAINT	5	gal	05/12/2015
0001280397		WHITE TRAFFIC PAINT	5	gal	05/12/2015
0001280398		WHITE TRAFFIC PAINT	5	gal	05/12/2015
0001280399		WHITE TRAFFIC PAINT	5	gal	05/12/2015
0001280400		WHITE TRAFFIC PAINT	5	gal	05/12/2015
0001280392		WHITE TRAFFIC PAINT	5	gal	05/12/2015
0001361998		AIR, COMPRESSED	220	cf	05/12/2015
0001280407		WHITE TRAFFIC PAINT	5	gal	05/12/2015
0001361997		AIR, COMPRESSED	220	cf	05/12/2015
0001340937	7697-37-2	NITRIC ACID	2.5	l	05/12/2015
0001340938	7697-37-2	NITRIC ACID	2.5	l	05/12/2015
0001340851	1336-21-6	AMMONIUM HYDROXIDE	500	ml	05/12/2015
0001340852	1336-21-6	AMMONIUM HYDROXIDE	500	ml	05/12/2015
0001340935	7697-37-2	NITRIC ACID	2.5	l	05/12/2015
0001340939	7697-37-2	NITRIC ACID	2.5	l	05/12/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001340853	75-05-8	ACETONITRILE HPLC	4	l	05/12/2015
0001334969	1310-73-2	Sodium Hydroxide 25%	3400	lb	05/13/2015
0001362091	7440-37-1	ARGON, COMPRESSED	220	cf	05/13/2015
0001362090	7440-59-7	HELIUM	220	cf	05/13/2015
0001361927		R-407C	25	lb	05/13/2015
0001361926		R-407C	25	lb	05/13/2015
0001361925		R-407C	25	lb	05/13/2015
0001362094	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	05/13/2015
0001362095	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	05/13/2015
0001362092	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	05/13/2015
0001362096	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	05/13/2015
0001338890		NICKEL PLASMA STANDARD	50	ml	05/13/2015
0001148960	7647-15-6	BROMIDE STANDARD (0.1 M)	1	l	05/13/2015
0001334968	1310-73-2	Sodium Hydroxide 25%	3400	lb	05/13/2015
0001334967	1310-73-2	Sodium Hydroxide 25%	3400	lb	05/13/2015
0001334966	1310-73-2	Sodium Hydroxide 25%	3400	lb	05/13/2015
0000657585	7647-18-9	ANTIMONY PENTACHLORIDE	25	gm	05/13/2015
0000720144		SISRM 3150 SILICON SPECTROMETRIC SOLUTION	50	ml	05/13/2015
0001340722	20710-47-8	iodomethane-13C,D3	1	gm	05/13/2015
0001362097	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	05/13/2015
0001362098	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	05/13/2015
0001362099	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	05/13/2015
0001148944		STYCAST 1266 PART B	300	ml	05/13/2015
0001148961	7647-15-6	BROMIDE STANDARD (0.1 M)	1	l	05/13/2015
0001338892		ZINC PLASMA EMISSION STANDARD	50	ml	05/13/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001340963		MemMagic Bicelle Screen Kit	100	ul	05/13/2015
0001280462		3M SCOTCH GRIP PLASTIC ADHESIVE - 1099	5	oz	05/13/2015
0001280463		3M SCOTCH GRIP PLASTIC ADHESIVE - 1099	5	oz	05/13/2015
0001362086	74-98-6	PROPANE	5	gal	05/13/2015
0001340830	12045-64-6	ZIRCONIUM BORIDE	1	lb	05/13/2015
0000913058	99-98-9	DIMETHYL-P-PHENYLENEDIAMINE	100	gm	05/13/2015
0001280461		3M SCOTCH GRIP PLASTIC ADHESIVE - 1099	5	oz	05/13/2015
0000913059	126-33-0	TETRAMETHYLENE SULFONE, 99%	1	l	05/13/2015
0001280460		3M SCOTCH GRIP PLASTIC ADHESIVE - 1099	5	oz	05/13/2015
0001338891		STRONTIUM PLASMA STANDARDS, 1,000 PPM, 10,000 PPM IN DILUTE	50	ml	05/13/2015
0001362093	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	05/13/2015
0001338889		SODIUM, PLASMA STANDARD	50	ml	05/13/2015
0001340964		TORR SEAL	135	gm	05/13/2015
0000913056	865-49-6	CHLOROFORM-D	1	l	05/13/2015
0001280458		3M SCOTCH GRIP PLASTIC ADHESIVE - 1099	5	oz	05/13/2015
0001361922		R-407C	25	lb	05/13/2015
0001362087	74-98-6	PROPANE	5	gal	05/13/2015
0001362088	74-98-6	PROPANE	5	gal	05/13/2015
0001338893		MULTI-ELEMENT QC-7 CHECK	100	ml	05/13/2015
0001340723	18107-18-1	TRIMETHYLSILYLDIAZOMETHANE	25	ml	05/13/2015
0001148962		ORION 94 SERIES IONIC STRENGTH ADJUSTOR (5M SODIUM NITRATE)	475	ml	05/13/2015
0001361924		R-407C	25	lb	05/13/2015
0001280459		3M SCOTCH GRIP PLASTIC ADHESIVE - 1099	5	oz	05/13/2015
0001361923		R-407C	25	lb	05/13/2015
0001280457		3M SCOTCH GRIP PLASTIC ADHESIVE - 1099	5	oz	05/13/2015
0001280391		WHITE TRAFFIC PAINT	5	gal	05/13/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001361935	1333-74-0	HYDROGEN	40	cf	05/13/2015
0000913057	865-49-6	CHLOROFORM-D	1	l	05/13/2015
0001361934	1333-74-0	HYDROGEN	40	cf	05/13/2015
0001361933	1333-74-0	HYDROGEN	40	cf	05/13/2015
0001280456		3M SCOTCH GRIP PLASTIC ADHESIVE - 1099	5	oz	05/13/2015
0001280228		AEROKROIL LUBRICANT SPRAY	10	oz	05/14/2015
0001362206		P-10 (90% ARGON 10% METHANE)	220	cf	05/14/2015
0001280243		LOCTITE NICKEL ANTISEIZE	8	oz	05/14/2015
0001280226		AEROKROIL LUBRICANT SPRAY	10	oz	05/14/2015
0001280227		AEROKROIL LUBRICANT SPRAY	10	oz	05/14/2015
0001362210		P-10 (90% ARGON 10% METHANE)	220	cf	05/14/2015
0001362223		P-10 (90% ARGON 10% METHANE)	220	cf	05/14/2015
0001362222		P-10 (90% ARGON 10% METHANE)	220	cf	05/14/2015
0001362221		P-10 (90% ARGON 10% METHANE)	220	cf	05/14/2015
0001362220		P-10 (90% ARGON 10% METHANE)	220	cf	05/14/2015
0001362219		P-10 (90% ARGON 10% METHANE)	220	cf	05/14/2015
0001362217		P-10 (90% ARGON 10% METHANE)	220	cf	05/14/2015
0001362216		P-10 (90% ARGON 10% METHANE)	220	cf	05/14/2015
0001362214		P-10 (90% ARGON 10% METHANE)	220	cf	05/14/2015
0001382244		SHREDDER OIL	1	gal	05/14/2015
0001280229		AEROKROIL LUBRICANT SPRAY	10	oz	05/14/2015
0001362213		P-10 (90% ARGON 10% METHANE)	220	cf	05/14/2015
0001362204		P-10 (90% ARGON 10% METHANE)	220	cf	05/14/2015
0001362211		P-10 (90% ARGON 10% METHANE)	220	cf	05/14/2015
0001280225		AEROKROIL LUBRICANT SPRAY	10	oz	05/14/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001362209		P-10 (90% ARGON 10% METHANE)	220	cf	05/14/2015
0001362208		P-10 (90% ARGON 10% METHANE)	220	cf	05/14/2015
0001362207		P-10 (90% ARGON 10% METHANE)	220	cf	05/14/2015
0001362205		P-10 (90% ARGON 10% METHANE)	220	cf	05/14/2015
0001362203		P-10 (90% ARGON 10% METHANE)	220	cf	05/14/2015
0001362202		P-10 (90% ARGON 10% METHANE)	220	cf	05/14/2015
0001362201		P-10 (90% ARGON 10% METHANE)	220	cf	05/14/2015
0001280244		LOCTITE NICKEL ANTISEIZE	8	oz	05/14/2015
0001280221		AEROKROIL LUBRICANT SPRAY	10	oz	05/14/2015
0001280222		AEROKROIL LUBRICANT SPRAY	10	oz	05/14/2015
0001280223		AEROKROIL LUBRICANT SPRAY	10	oz	05/14/2015
0001280224		AEROKROIL LUBRICANT SPRAY	10	oz	05/14/2015
0001362212		P-10 (90% ARGON 10% METHANE)	220	cf	05/14/2015
0001333798		CONTACT CLEANER 2000	13	oz	05/14/2015
0001382242		SHREDDER OIL	1	gal	05/14/2015
0001333783		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333785		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333786		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333787		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333788		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333789		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333790		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333791		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333792		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333793		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333794		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333795		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333781		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333804		CONTACT CLEANER 2000	13	oz	05/14/2015
0001280300		FANTASTIKE ALL PURPOSE CLEANER	1	qt	05/14/2015
0001333810		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333809		CONTACT CLEANER 2000	13	oz	05/14/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001333808		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333807		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333796		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333805		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333797		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333803		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333802		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333801		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333800		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333799		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333780		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333806		CONTACT CLEANER 2000	13	oz	05/14/2015
0001280316		FANTASTIKE ALL PURPOSE CLEANER	1	qt	05/14/2015
0001362165	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001280302		FANTASTIKE ALL PURPOSE CLEANER	1	qt	05/14/2015
0001280303		FANTASTIKE ALL PURPOSE CLEANER	1	qt	05/14/2015
0001280304		FANTASTIKE ALL PURPOSE CLEANER	1	qt	05/14/2015
0001280305		FANTASTIKE ALL PURPOSE CLEANER	1	qt	05/14/2015
0001280306		FANTASTIKE ALL PURPOSE CLEANER	1	qt	05/14/2015
0001280307		FANTASTIKE ALL PURPOSE CLEANER	1	qt	05/14/2015
0001280308		FANTASTIKE ALL PURPOSE CLEANER	1	qt	05/14/2015
0001280309		FANTASTIKE ALL PURPOSE CLEANER	1	qt	05/14/2015
0001280310		FANTASTIKE ALL PURPOSE CLEANER	1	qt	05/14/2015
0001280311		FANTASTIKE ALL PURPOSE CLEANER	1	qt	05/14/2015
0001280312		FANTASTIKE ALL PURPOSE CLEANER	1	qt	05/14/2015
0001280313		FANTASTIKE ALL PURPOSE CLEANER	1	qt	05/14/2015
0001333811		CONTACT CLEANER 2000	13	oz	05/14/2015
0001280218		5 MINUTE EPOXY	1	oz	05/14/2015
0001333779		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333778		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333777		CONTACT CLEANER 2000	13	oz	05/14/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001280214		DOW CORNING(R) 739 PLASTIC ADHESIVE-WHITE	10.14	oz	05/14/2015
0001280213		DOW CORNING(R) 739 PLASTIC ADHESIVE-WHITE	10.14	oz	05/14/2015
0001280314		FANTASTIKE ALL PURPOSE CLEANER	1	qt	05/14/2015
0001280219		5 MINUTE EPOXY	1	oz	05/14/2015
0001280315		FANTASTIKE ALL PURPOSE CLEANER	1	qt	05/14/2015
0001280217		5 MINUTE EPOXY	1	oz	05/14/2015
0001280216		5 MINUTE EPOXY	1	oz	05/14/2015
0001280245	7085-85-0	Loctite 406 Surface Insensitive Instant Adhesive	0.1	oz	05/14/2015
0001280318		FANTASTIKE ALL PURPOSE CLEANER	1	qt	05/14/2015
0001280317		FANTASTIKE ALL PURPOSE CLEANER	1	qt	05/14/2015
0001333980		CONTACT CLEANER 2000	13	oz	05/14/2015
0001280220		5 MINUTE EPOXY	1	oz	05/14/2015
0001333824		CONTACT CLEANER 2000	13	oz	05/14/2015
0001280230		AEROKROIL LUBRICANT SPRAY	10	oz	05/14/2015
0001382208		SHREDDER OIL	1	gal	05/14/2015
0001382209		SHREDDER OIL	1	gal	05/14/2015
0001333812		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333813		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333814		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333815		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333816		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333817		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333818		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333819		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333820		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333821		CONTACT CLEANER 2000	13	oz	05/14/2015
0001334964		SHREDDER OIL	1	gal	05/14/2015
0001333830		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333837		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333836		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333835		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333834		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333833		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333822		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333831		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333823		CONTACT CLEANER 2000	13	oz	05/14/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001333829		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333828		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333827		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333826		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333825		CONTACT CLEANER 2000	13	oz	05/14/2015
0001334963		SHREDDER OIL	1	gal	05/14/2015
0001333832		CONTACT CLEANER 2000	13	oz	05/14/2015
0001362104	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001333981		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333982		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333983		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333984		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333985		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333986		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333987		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333988		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333989		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333990		CONTACT CLEANER 2000	13	oz	05/14/2015
0001280540		CONTACT CLEANER 2000	13	oz	05/14/2015
0001362100	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001362101	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001382207		SHREDDER OIL	1	gal	05/14/2015
0001362110	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001280212		BLASOCUT 2000	55	gal	05/14/2015
0001280211		Foam Ban TS-7250	5	gal	05/14/2015
0001280215		ADHESIVE ACCELERATOR (TAK PAK)	7	oz	05/14/2015
0001280210		LOCTITE BLACK MAX SEALANT	1	oz	05/14/2015
0001362113	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001362102	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001362111	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001362103	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001362109	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001362108	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001362107	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001362106	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001362105	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001280299		FANTASTIKE ALL PURPOSE CLEANER	1	qt	05/14/2015
0001362112	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001382231		SHREDDER OIL	1	gal	05/14/2015
0001382247		SHREDDER OIL	12	oz	05/14/2015
0001362200		P-10 (90% ARGON 10% METHANE)	220	cf	05/14/2015
0001362173	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001333907		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333908		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333909		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333910		CONTACT CLEANER 2000	13	oz	05/14/2015
0001382223		SHREDDER OIL	1	gal	05/14/2015
0001382224		SHREDDER OIL	1	gal	05/14/2015
0001382225		SHREDDER OIL	1	gal	05/14/2015
0001382226		SHREDDER OIL	1	gal	05/14/2015
0001382227		SHREDDER OIL	1	gal	05/14/2015
0001382228		SHREDDER OIL	1	gal	05/14/2015
0001362198		P-10 (90% ARGON 10% METHANE)	220	cf	05/14/2015
0001382237		SHREDDER OIL	1	gal	05/14/2015
0001280301		FANTASTIKE ALL PURPOSE CLEANER	1	qt	05/14/2015
0001382245		SHREDDER OIL	1	gal	05/14/2015
0001382243		SHREDDER OIL	1	gal	05/14/2015
0001382241		SHREDDER OIL	1	gal	05/14/2015
0001382240		SHREDDER OIL	1	gal	05/14/2015
0001382229		SHREDDER OIL	1	gal	05/14/2015
0001382238		SHREDDER OIL	1	gal	05/14/2015
0001382230		SHREDDER OIL	1	gal	05/14/2015
0001382236		SHREDDER OIL	1	gal	05/14/2015
0001382235		SHREDDER OIL	1	gal	05/14/2015
0001382234		SHREDDER OIL	1	gal	05/14/2015
0001382233		SHREDDER OIL	1	gal	05/14/2015
0001382232		SHREDDER OIL	1	gal	05/14/2015
0001362197		P-10 (90% ARGON 10% METHANE)	220	cf	05/14/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001382239		SHREDDER OIL	1	gal	05/14/2015
0001362182	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001362166	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001362167	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001362168	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001362169	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001362170	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001362171	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001362172	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001362174	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001362175	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001362176	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001362177	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001362178	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001362179	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001362199		P-10 (90% ARGON 10% METHANE)	220	cf	05/14/2015
0001362188	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001362196		P-10 (90% ARGON 10% METHANE)	220	cf	05/14/2015
0001362195		P-10 (90% ARGON 10% METHANE)	220	cf	05/14/2015
0001362193	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001362192	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001362191	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001362180	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001362189	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001362181	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001362187	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001362186	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001362185	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001362184	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001362183	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001382248		SHREDDER OIL	12	oz	05/14/2015
0001362190	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001280339		SP 705 Non-Chlorinated Brake & Parts Cleaner	14	oz	05/14/2015
0001382246		SHREDDER OIL	1	gal	05/14/2015
0001280325		SP 705 Non-Chlorinated Brake & Parts Cleaner	14	oz	05/14/2015
0001280326		SP 705 Non-Chlorinated Brake & Parts Cleaner	14	oz	05/14/2015
0001280327		SP 705 Non-Chlorinated Brake & Parts Cleaner	14	oz	05/14/2015
0001280328		SP 705 Non-Chlorinated Brake & Parts Cleaner	14	oz	05/14/2015
0001280329		SP 705 Non-Chlorinated Brake & Parts Cleaner	14	oz	05/14/2015
0001280330		SP 705 Non-Chlorinated Brake & Parts Cleaner	14	oz	05/14/2015
0001280331		SP 705 Non-Chlorinated Brake & Parts Cleaner	14	oz	05/14/2015
0001280332		SP 705 Non-Chlorinated Brake & Parts Cleaner	14	oz	05/14/2015
0001280333		SP 705 Non-Chlorinated Brake & Parts Cleaner	14	oz	05/14/2015
0001280334		SP 705 Non-Chlorinated Brake & Parts Cleaner	14	oz	05/14/2015
0001280335		SP 705 Non-Chlorinated Brake & Parts Cleaner	14	oz	05/14/2015
0001280336		SP 705 Non-Chlorinated Brake & Parts Cleaner	14	oz	05/14/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001280323		SP 705 Non-Chlorinated Brake & Parts Cleaner	14	oz	05/14/2015
0001333774		CONTACT CLEANER 2000	13	oz	05/14/2015
0001280298		FANTASTIKE ALL PURPOSE CLEANER	1	qt	05/14/2015
0001280297		FANTASTIKE ALL PURPOSE CLEANER	1	qt	05/14/2015
0001280296		FANTASTIKE ALL PURPOSE CLEANER	1	qt	05/14/2015
0001280295		FANTASTIKE ALL PURPOSE CLEANER	1	qt	05/14/2015
0001340757	108-88-3	TOLUENE	1	l	05/14/2015
0001280337		SP 705 Non-Chlorinated Brake & Parts Cleaner	14	oz	05/14/2015
0001333775		CONTACT CLEANER 2000	13	oz	05/14/2015
0001280338		SP 705 Non-Chlorinated Brake & Parts Cleaner	14	oz	05/14/2015
0001333773		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333772		CONTACT CLEANER 2000	13	oz	05/14/2015
0001280342		SP 705 Non-Chlorinated Brake & Parts Cleaner	14	oz	05/14/2015
0001280341		SP 705 Non-Chlorinated Brake & Parts Cleaner	14	oz	05/14/2015
0001280340		SP 705 Non-Chlorinated Brake & Parts Cleaner	14	oz	05/14/2015
0001280322		SP 705 Non-Chlorinated Brake & Parts Cleaner	14	oz	05/14/2015
0001333776		CONTACT CLEANER 2000	13	oz	05/14/2015
0001382264		SHREDDER OIL	12	oz	05/14/2015
0001382249		SHREDDER OIL	12	oz	05/14/2015
0001382250		SHREDDER OIL	12	oz	05/14/2015
0001382251		SHREDDER OIL	12	oz	05/14/2015
0001382252		SHREDDER OIL	12	oz	05/14/2015
0001382253		SHREDDER OIL	12	oz	05/14/2015
0001382254		SHREDDER OIL	12	oz	05/14/2015
0001382255		SHREDDER OIL	12	oz	05/14/2015
0001382256		SHREDDER OIL	12	oz	05/14/2015
0001382257		SHREDDER OIL	12	oz	05/14/2015
0001382258		SHREDDER OIL	12	oz	05/14/2015
0001382259		SHREDDER OIL	12	oz	05/14/2015
0001382260		SHREDDER OIL	12	oz	05/14/2015
0001382261		SHREDDER OIL	12	oz	05/14/2015
0001280324		SP 705 Non-Chlorinated Brake & Parts Cleaner	14	oz	05/14/2015
0001382270		SHREDDER OIL	12	oz	05/14/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001280321		SP 705 Non-Chlorinated Brake & Parts Cleaner	14	oz	05/14/2015
0001382276		SHREDDER OIL	12	oz	05/14/2015
0001382275		SHREDDER OIL	12	oz	05/14/2015
0001382274		SHREDDER OIL	12	oz	05/14/2015
0001382273		SHREDDER OIL	12	oz	05/14/2015
0001382262		SHREDDER OIL	12	oz	05/14/2015
0001382271		SHREDDER OIL	12	oz	05/14/2015
0001382263		SHREDDER OIL	12	oz	05/14/2015
0001382269		SHREDDER OIL	1	gal	05/14/2015
0001382268		SHREDDER OIL	1	gal	05/14/2015
0001382267		SHREDDER OIL	1	gal	05/14/2015
0001382266		SHREDDER OIL	1	gal	05/14/2015
0001382265		SHREDDER OIL	1	gal	05/14/2015
0001333840		CONTACT CLEANER 2000	13	oz	05/14/2015
0001382272		SHREDDER OIL	12	oz	05/14/2015
0001333943		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333957		CONTACT CLEANER 2000	13	oz	05/14/2015
0001340894	67-56-1	METHYL ALCOHOL	4	l	05/14/2015
0001340893	67-56-1	METHYL ALCOHOL	4	l	05/14/2015
0001340892	67-56-1	METHYL ALCOHOL	4	l	05/14/2015
0001340891	67-56-1	METHYL ALCOHOL	4	l	05/14/2015
0001340890		FANTASTIKE ALL PURPOSE CLEANER	1	gal	05/14/2015
0001340889		FANTASTIKE ALL PURPOSE CLEANER	1	gal	05/14/2015
0001340888		FANTASTIKE ALL PURPOSE CLEANER	1	gal	05/14/2015
0001340887		FANTASTIKE ALL PURPOSE CLEANER	1	gal	05/14/2015
0001340886		FANTASTIKE ALL PURPOSE CLEANER	1	gal	05/14/2015
0001340885		FANTASTIKE ALL PURPOSE CLEANER	1	gal	05/14/2015
0001340884		FANTASTIKE ALL PURPOSE CLEANER	1	gal	05/14/2015
0001333940		CONTACT CLEANER 2000	13	oz	05/14/2015
0001340967		DuroCit-3 Kit	450	ml	05/14/2015
0001333949		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333838		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333955		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333954		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333953		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333952		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333941		CONTACT CLEANER 2000	13	oz	05/14/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001333950		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333942		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333948		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333947		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333946		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333945		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333944		CONTACT CLEANER 2000	13	oz	05/14/2015
0001340968	82494-09-5	n-DECYL-?-D-MALTOPYRANOSIDE	25	gm	05/14/2015
0001333951		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333766		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333937		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333938		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333939		CONTACT CLEANER 2000	13	oz	05/14/2015
0001340733		GLYPTAL 1201 RED ENAMEL	12.75	oz	05/14/2015
0001340734		GLYPTAL 1201 RED ENAMEL	12.75	oz	05/14/2015
0001340735	7722-84-1	HYDROGEN PEROXIDE	500	ml	05/14/2015
0001340736	7722-84-1	HYDROGEN PEROXIDE	500	ml	05/14/2015
0001340737	7722-84-1	HYDROGEN PEROXIDE	500	ml	05/14/2015
0001340738	7722-84-1	HYDROGEN PEROXIDE	500	ml	05/14/2015
0001340739	7722-84-1	HYDROGEN PEROXIDE	500	ml	05/14/2015
0001333761		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333762		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333763		CONTACT CLEANER 2000	13	oz	05/14/2015
0001340966		DuroCit-3 Kit	450	ml	05/14/2015
0001362215		P-10 (90% ARGON 10% METHANE)	220	cf	05/14/2015
0001340969	302-01-2	HYDRAZINE, ANHYDROUS	100	gm	05/14/2015
0001340971		MICROPOSIT DEVELOPER 354	4	gal	05/14/2015
0001340972		MICROPOSIT DEVELOPER 354	4	gal	05/14/2015
0001340973		MICROPOSIT DEVELOPER 354	4	gal	05/14/2015
0001340974		MICROPOSIT DEVELOPER 354	4	gal	05/14/2015
0001333764		CONTACT CLEANER 2000	13	oz	05/14/2015
0001340542		Loctite 3108 Light Cure Adhesive	25	ml	05/14/2015
0001333765		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333771		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333770		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333769		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333768		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333767		CONTACT CLEANER 2000	13	oz	05/14/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001333958		CONTACT CLEANER 2000	13	oz	05/14/2015
0001340541		Loctite 3108 Light Cure Adhesive	25	ml	05/14/2015
0001340880		FANTASTIKE ALL PURPOSE CLEANER	1	gal	05/14/2015
0001333956		CONTACT CLEANER 2000	13	oz	05/14/2015
0001340756	10025-77-1	FERRIC CHLORIDE, LUMPS	100	gm	05/14/2015
0001340867	Multi	HAFNIUM n-BUTOXIDE	100	gm	05/14/2015
0001340868	Multi	HAFNIUM n-BUTOXIDE	100	gm	05/14/2015
0001340869	Multi	HAFNIUM n-BUTOXIDE	100	gm	05/14/2015
0001340870	Multi	HAFNIUM n-BUTOXIDE	100	gm	05/14/2015
0001340871	Multi	HAFNIUM n-BUTOXIDE	100	gm	05/14/2015
0001340872	Multi	HAFNIUM n-BUTOXIDE	100	gm	05/14/2015
0001340873	Multi	HAFNIUM n-BUTOXIDE	100	gm	05/14/2015
0001340874	Multi	HAFNIUM n-BUTOXIDE	100	gm	05/14/2015
0001340875		FANTASTIKE ALL PURPOSE CLEANER	1	gal	05/14/2015
0001340876		FANTASTIKE ALL PURPOSE CLEANER	1	gal	05/14/2015
0001340877		FANTASTIKE ALL PURPOSE CLEANER	1	gal	05/14/2015
0001340754		CORROSION INHIBITOR	15	gal	05/14/2015
0001362218		P-10 (90% ARGON 10% METHANE)	220	cf	05/14/2015
0001333979		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333978		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333977		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333976		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333975		CONTACT CLEANER 2000	13	oz	05/14/2015
0001340878		FANTASTIKE ALL PURPOSE CLEANER	1	gal	05/14/2015
0001362157	7440-59-7	HELIUM	220	cf	05/14/2015
0001340879		FANTASTIKE ALL PURPOSE CLEANER	1	gal	05/14/2015
0001362124		94% Argon and 6% Hydrogen	220	cf	05/14/2015
0001362126		94% Argon and 6% Hydrogen	220	cf	05/14/2015
0001340882		FANTASTIKE ALL PURPOSE CLEANER	1	gal	05/14/2015
0001340883		FANTASTIKE ALL PURPOSE CLEANER	1	gal	05/14/2015
0001340881		FANTASTIKE ALL PURPOSE CLEANER	1	gal	05/14/2015
0001340753	75-05-8	ACETONITRILE HPLC	4	l	05/14/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001362161	7440-59-7	HELIUM	220	cf	05/14/2015
0001333974		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333959		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333960		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333961		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333962		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333963		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333964		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333965		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333966		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333967		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333968		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333969		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333970		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333971		CONTACT CLEANER 2000	13	oz	05/14/2015
0001340755	7697-37-2	NITRIC ACID, FUMING	2.5	gm	05/14/2015
0001340745	7722-84-1	HYDROGEN PEROXIDE	500	ml	05/14/2015
0001340752	64-19-7	ACETIC ACID	500	ml	05/14/2015
0001340751	64-19-7	ACETIC ACID	500	ml	05/14/2015
0001340750	64-19-7	ACETIC ACID	500	ml	05/14/2015
0001340749	64-19-7	ACETIC ACID	500	ml	05/14/2015
0001340748	64-19-7	ACETIC ACID	500	ml	05/14/2015
0001333972		CONTACT CLEANER 2000	13	oz	05/14/2015
0001340746	7722-84-1	HYDROGEN PEROXIDE	500	ml	05/14/2015
0001333973		CONTACT CLEANER 2000	13	oz	05/14/2015
0001340744	7722-84-1	HYDROGEN PEROXIDE	500	ml	05/14/2015
0001340743	7722-84-1	HYDROGEN PEROXIDE	500	ml	05/14/2015
0001340742	7722-84-1	HYDROGEN PEROXIDE	500	ml	05/14/2015
0001340741	7722-84-1	HYDROGEN PEROXIDE	500	ml	05/14/2015
0001340740	7722-84-1	HYDROGEN PEROXIDE	500	ml	05/14/2015
0001333934		CONTACT CLEANER 2000	13	oz	05/14/2015
0001340747	64-19-7	ACETIC ACID	500	ml	05/14/2015
0001333710		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333936		CONTACT CLEANER 2000	13	oz	05/14/2015
0001362149	7440-59-7	HELIUM	220	cf	05/14/2015
0001362150	7440-59-7	HELIUM	220	cf	05/14/2015
0001362151	7440-59-7	HELIUM	220	cf	05/14/2015
0001362152	7440-59-7	HELIUM	220	cf	05/14/2015
0001362153	7440-59-7	HELIUM	220	cf	05/14/2015
0001362154	7440-59-7	HELIUM	220	cf	05/14/2015
0001362155	7440-59-7	HELIUM	220	cf	05/14/2015
0001333703		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333704		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333705		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333706		CONTACT CLEANER 2000	13	oz	05/14/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001333707		CONTACT CLEANER 2000	13	oz	05/14/2015
0001362147	7440-59-7	HELIUM	220	cf	05/14/2015
0001333716		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333723		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333722		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333721		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333720		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333719		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333708		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333717		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333709		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333715		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333714		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333713		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333712		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333711		CONTACT CLEANER 2000	13	oz	05/14/2015
0001362146	7440-59-7	HELIUM	220	cf	05/14/2015
0001333718		CONTACT CLEANER 2000	13	oz	05/14/2015
0001362132		94% Argon and 6% Hydrogen	220	cf	05/14/2015
0001333782		CONTACT CLEANER 2000	13	oz	05/14/2015
0001362114	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001362115	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001362116	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001362117	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001362118	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001362119	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001362121	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001362122	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001362123	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001362125		94% Argon and 6% Hydrogen	220	cf	05/14/2015
0001362127		94% Argon and 6% Hydrogen	220	cf	05/14/2015
0001362129		94% Argon and 6% Hydrogen	220	cf	05/14/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001362148	7440-59-7	HELIUM	220	cf	05/14/2015
0001362138		94% Argon and 6% Hydrogen	220	cf	05/14/2015
0001362145	7440-59-7	HELIUM	220	cf	05/14/2015
0001362144	7440-59-7	HELIUM	220	cf	05/14/2015
0001362143	7440-59-7	HELIUM	220	cf	05/14/2015
0001362142	7440-59-7	HELIUM	220	cf	05/14/2015
0001362141	7440-59-7	HELIUM	220	cf	05/14/2015
0001362130		94% Argon and 6% Hydrogen	220	cf	05/14/2015
0001362139	7440-59-7	HELIUM	220	cf	05/14/2015
0001362131		94% Argon and 6% Hydrogen	220	cf	05/14/2015
0001362137		94% Argon and 6% Hydrogen	220	cf	05/14/2015
0001362136		94% Argon and 6% Hydrogen	220	cf	05/14/2015
0001362135		94% Argon and 6% Hydrogen	220	cf	05/14/2015
0001362134		94% Argon and 6% Hydrogen	220	cf	05/14/2015
0001362133		94% Argon and 6% Hydrogen	220	cf	05/14/2015
0001362194		P-10 (90% ARGON 10% METHANE)	220	cf	05/14/2015
0001362140	7440-59-7	HELIUM	220	cf	05/14/2015
0001333921		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333756		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333757		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333758		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333759		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333760		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333911		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333912		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333913		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333914		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333915		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333916		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333917		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333918		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333724		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333927		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333839		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333933		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333932		CONTACT CLEANER 2000	13	oz	05/14/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001333931		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333930		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333919		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333928		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333920		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333926		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333925		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333924		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333923		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333922		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333753		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333929		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333730		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333755		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333736		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333735		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333734		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333733		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333738		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333731		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333739		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333729		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333728		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333727		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333726		CONTACT CLEANER 2000	13	oz	05/14/2015
0001362128		94% Argon and 6% Hydrogen	220	cf	05/14/2015
0001333935		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333732		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333746		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333725		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333752		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333751		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333750		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333749		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333737		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333747		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333754		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333745		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333744		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333743		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333742		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333741		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333740		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333748		CONTACT CLEANER 2000	13	oz	05/14/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001280250		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001280474		fast setting cement	60	lb	05/14/2015
0001280475		fast setting cement	60	lb	05/14/2015
0001280476		fast setting cement	60	lb	05/14/2015
0001280477		fast setting cement	60	lb	05/14/2015
0001280478		fast setting cement	60	lb	05/14/2015
0001280479		fast setting cement	60	lb	05/14/2015
0001280480		fast setting cement	60	lb	05/14/2015
0001280481		fast setting cement	60	lb	05/14/2015
0001280482		fast setting cement	60	lb	05/14/2015
0001280483		fast setting cement	60	lb	05/14/2015
0001382310		SHREDDER OIL	12	oz	05/14/2015
0001362159	7440-59-7	HELIUM	220	cf	05/14/2015
0001280249		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001280471		fast setting cement	60	lb	05/14/2015
0001280251		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001280252		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001280254		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001280256		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001280257		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001280258		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001280259		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001280260		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001280261		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001280262		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001280263		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001280264		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001280248		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001362235		5% HYDROGEN/BAL. NITROGEN	220	cf	05/14/2015
0001362158	7440-59-7	HELIUM	220	cf	05/14/2015
0001362156	7440-59-7	HELIUM	220	cf	05/14/2015
0001280247		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001362224		P-10 (90% ARGON 10% METHANE)	220	cf	05/14/2015
0001362225		P-10 (90% ARGON 10% METHANE)	220	cf	05/14/2015
0001362226		P-10 (90% ARGON 10% METHANE)	220	cf	05/14/2015
0001362227		P-10 (90% ARGON 10% METHANE)	220	cf	05/14/2015
0001362228		P-10 (90% ARGON 10% METHANE)	220	cf	05/14/2015
0001362229		P-10 (90% ARGON 10% METHANE)	220	cf	05/14/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001362230		P-10 (90% ARGON 10% METHANE)	220	cf	05/14/2015
0001362231		P-10 (90% ARGON 10% METHANE)	220	cf	05/14/2015
0001362232		P-10 (90% ARGON 10% METHANE)	220	cf	05/14/2015
0001280473		fast setting cement	60	lb	05/14/2015
0001362234		5% HYDROGEN/BAL. NITROGEN	220	cf	05/14/2015
0001280472		fast setting cement	60	lb	05/14/2015
0001362236		5% HYDROGEN/BAL. NITROGEN	220	cf	05/14/2015
0001362120	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001280319		SP 705 Non-Chlorinated Brake & Parts Cleaner	14	oz	05/14/2015
0001320202		WELDON ACRYLIC CEMENT	16	oz	05/14/2015
0001280464		fast setting cement	60	lb	05/14/2015
0001280465		fast setting cement	60	lb	05/14/2015
0001280466		fast setting cement	60	lb	05/14/2015
0001280467		fast setting cement	60	lb	05/14/2015
0001280468		fast setting cement	60	lb	05/14/2015
0001280469		fast setting cement	60	lb	05/14/2015
0001280470		fast setting cement	60	lb	05/14/2015
0001280267		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001362233		5% HYDROGEN/BAL. NITROGEN	220	cf	05/14/2015
0001280286		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001280265		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001280234		LOCTITE NICKEL ANTISEIZE	8	oz	05/14/2015
0001280233		LOCTITE NICKEL ANTISEIZE	8	oz	05/14/2015
0001279526		BLASOCUT 2000	5	gal	05/14/2015
0001279525		BLASOCUT 2000	5	gal	05/14/2015
0001279524		BLASOCUT 2000	5	gal	05/14/2015
0001280294		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001280293		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001280292		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001280291		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001280290		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001280289		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001280236		LOCTITE NICKEL ANTISEIZE	8	oz	05/14/2015
0001280287		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001280237		LOCTITE NICKEL ANTISEIZE	8	oz	05/14/2015
0001280285		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001280284		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001280283		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001280282		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001280281		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001280280		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001280279		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001280278		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001280277		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001280276		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001280275		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001333784		CONTACT CLEANER 2000	13	oz	05/14/2015
0001280288		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001362246	74-98-6	PROPANE	11	gal	05/14/2015
0001280253		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001280268		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001280269		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001280270		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001280271		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001280272		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001280273		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001280274		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001362237		5% HYDROGEN/BAL. NITROGEN	220	cf	05/14/2015
0001362238	74-98-6	PROPANE	25	gal	05/14/2015
0001362242	74-98-6	PROPANE	11	gal	05/14/2015
0001362243	74-98-6	PROPANE	11	gal	05/14/2015
0001280235		LOCTITE NICKEL ANTISEIZE	8	oz	05/14/2015
0001362245	74-98-6	PROPANE	11	gal	05/14/2015
0001280266		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015
0001362247	74-98-6	PROPANE	11	gal	05/14/2015
0001362248	74-98-6	PROPANE	11	gal	05/14/2015
0001362249	74-98-6	PROPANE	11	gal	05/14/2015
0001362250	74-98-6	PROPANE	11	gal	05/14/2015
0001362251	74-98-6	PROPANE	11	gal	05/14/2015
0001362252	74-98-6	PROPANE	11	gal	05/14/2015
0001362253	74-98-6	PROPANE	11	gal	05/14/2015
0001280242		LOCTITE NICKEL ANTISEIZE	8	oz	05/14/2015
0001280241		LOCTITE NICKEL ANTISEIZE	8	oz	05/14/2015
0001280240		LOCTITE NICKEL ANTISEIZE	8	oz	05/14/2015
0001280239		LOCTITE NICKEL ANTISEIZE	8	oz	05/14/2015
0001280238		LOCTITE NICKEL ANTISEIZE	8	oz	05/14/2015
0001362244	74-98-6	PROPANE	11	gal	05/14/2015
0001280320		SP 705 Non-Chlorinated Brake & Parts Cleaner	14	oz	05/14/2015
0001280255		2-CYCLE ENGINE OIL	6.4	oz	05/14/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001280231		AEROKROIL LUBRICANT SPRAY	10	oz	05/14/2015
0001280232		AEROKROIL LUBRICANT SPRAY	10	oz	05/14/2015
0001362160	7440-59-7	HELIUM	220	cf	05/14/2015
0001362164	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/14/2015
0001362163	7440-59-7	HELIUM	220	cf	05/14/2015
0001362162	7440-59-7	HELIUM	220	cf	05/14/2015
0001333860		CONTACT CLEANER 2000	13	oz	05/14/2015
0001382215		SHREDDER OIL	1	gal	05/14/2015
0001333870		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333871		CONTACT CLEANER 2000	13	oz	05/14/2015
0001362239	74-98-6	PROPANE	25	gal	05/14/2015
0001362240	74-98-6	PROPANE	25	gal	05/14/2015
0001362241	74-98-6	PROPANE	25	gal	05/14/2015
0001382210		SHREDDER OIL	1	gal	05/14/2015
0001382211		SHREDDER OIL	1	gal	05/14/2015
0001382212		SHREDDER OIL	1	gal	05/14/2015
0001382284		SHREDDER OIL	12	oz	05/14/2015
0001382214		SHREDDER OIL	1	gal	05/14/2015
0001333867		CONTACT CLEANER 2000	13	oz	05/14/2015
0001382216		SHREDDER OIL	1	gal	05/14/2015
0001382217		SHREDDER OIL	1	gal	05/14/2015
0001382218		SHREDDER OIL	1	gal	05/14/2015
0001382219		SHREDDER OIL	1	gal	05/14/2015
0001382220		SHREDDER OIL	1	gal	05/14/2015
0001382221		SHREDDER OIL	1	gal	05/14/2015
0001382222		SHREDDER OIL	1	gal	05/14/2015
0001333843		CONTACT CLEANER 2000	13	oz	05/14/2015
0001382213		SHREDDER OIL	1	gal	05/14/2015
0001333856		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333844		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333846		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333858		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333849		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333850		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333851		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333852		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333853		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333869		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333855		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333868		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333857		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333859		CONTACT CLEANER 2000	13	oz	05/14/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001333861		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333862		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333863		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333864		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333865		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333866		CONTACT CLEANER 2000	13	oz	05/14/2015
0001382283		SHREDDER OIL	12	oz	05/14/2015
0001333854		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333898		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333888		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333889		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333890		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333891		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333892		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333893		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333894		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333895		CONTACT CLEANER 2000	13	oz	05/14/2015
0001382285		SHREDDER OIL	12	oz	05/14/2015
0001333897		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333885		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333899		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333900		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333901		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333902		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333903		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333904		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333905		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333906		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333896		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333876		CONTACT CLEANER 2000	13	oz	05/14/2015
0001382282		SHREDDER OIL	12	oz	05/14/2015
0001382281		SHREDDER OIL	12	oz	05/14/2015
0001382280		SHREDDER OIL	12	oz	05/14/2015
0001382279		SHREDDER OIL	12	oz	05/14/2015
0001382278		SHREDDER OIL	12	oz	05/14/2015
0001382277		SHREDDER OIL	12	oz	05/14/2015
0001333872		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333873		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333887		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333875		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333886		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333877		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333878		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333879		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333880		CONTACT CLEANER 2000	13	oz	05/14/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001333881		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333882		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333883		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333884		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333845		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333874		CONTACT CLEANER 2000	13	oz	05/14/2015
0001333842		CONTACT CLEANER 2000	13	oz	05/14/2015
0001382329		SHREDDER OIL	12	oz	05/14/2015
0001382315		SHREDDER OIL	12	oz	05/14/2015
0001382316		SHREDDER OIL	12	oz	05/14/2015
0001382319		SHREDDER OIL	12	oz	05/14/2015
0001382320		SHREDDER OIL	12	oz	05/14/2015
0001382321		SHREDDER OIL	12	oz	05/14/2015
0001382322		SHREDDER OIL	12	oz	05/14/2015
0001382323		SHREDDER OIL	12	oz	05/14/2015
0001382324		SHREDDER OIL	12	oz	05/14/2015
0001382325		SHREDDER OIL	12	oz	05/14/2015
0001340732		GLYPTAL 1201 RED ENAMEL	12.75	oz	05/14/2015
0001340731		GLYPTAL 1201 RED ENAMEL	12.75	oz	05/14/2015
0001382313		SHREDDER OIL	12	oz	05/14/2015
0001382327		SHREDDER OIL	12	oz	05/14/2015
0001382312		SHREDDER OIL	12	oz	05/14/2015
0001382328		SHREDDER OIL	12	oz	05/14/2015
0001333848		CONTACT CLEANER 2000	13	oz	05/14/2015
0001340730		DGA RESIN	1	gm	05/14/2015
0001340729	518-47-8	FLUORESCCEIN SODIUM SALT	1	mg	05/14/2015
0001340728	518-47-8	FLUORESCCEIN SODIUM SALT	1	mg	05/14/2015
0001340727	518-47-8	FLUORESCCEIN SODIUM SALT	1	mg	05/14/2015
0001340726	518-47-8	FLUORESCCEIN SODIUM SALT	1	mg	05/14/2015
0001340725	7440-36-0	ANTIMONY PIECES	50	gm	05/14/2015
0001340724	1309-48-4	MAGNESIUM OXIDE	100	gm	05/14/2015
0001382333		SHREDDER OIL	12	oz	05/14/2015
0001382332		SHREDDER OIL	12	oz	05/14/2015
0001382331		SHREDDER OIL	12	oz	05/14/2015
0001382330		SHREDDER OIL	12	oz	05/14/2015
0001382326		SHREDDER OIL	12	oz	05/14/2015
0001382318		SHREDDER OIL	12	oz	05/14/2015
0001333841		CONTACT CLEANER 2000	13	oz	05/14/2015
0001382317		SHREDDER OIL	12	oz	05/14/2015
0001382286		SHREDDER OIL	12	oz	05/14/2015
0001382287		SHREDDER OIL	12	oz	05/14/2015
0001382288		SHREDDER OIL	12	oz	05/14/2015
0001382289		SHREDDER OIL	12	oz	05/14/2015
0001382290		SHREDDER OIL	12	oz	05/14/2015
0001382291		SHREDDER OIL	12	oz	05/14/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001382292		SHREDDER OIL	12	oz	05/14/2015
0001382293		SHREDDER OIL	12	oz	05/14/2015
0001382294		SHREDDER OIL	12	oz	05/14/2015
0001382295		SHREDDER OIL	12	oz	05/14/2015
0001382314		SHREDDER OIL	12	oz	05/14/2015
0001382297		SHREDDER OIL	12	oz	05/14/2015
0001382298		SHREDDER OIL	12	oz	05/14/2015
0001382299		SHREDDER OIL	12	oz	05/14/2015
0001382300		SHREDDER OIL	12	oz	05/14/2015
0001382301		SHREDDER OIL	12	oz	05/14/2015
0001382302		SHREDDER OIL	12	oz	05/14/2015
0001382303		SHREDDER OIL	12	oz	05/14/2015
0001382304		SHREDDER OIL	12	oz	05/14/2015
0001382305		SHREDDER OIL	12	oz	05/14/2015
0001382306		SHREDDER OIL	1	gal	05/14/2015
0001382307		SHREDDER OIL	1	gal	05/14/2015
0001382308		SHREDDER OIL	1	gal	05/14/2015
0001382309		SHREDDER OIL	1	gal	05/14/2015
0001382311		SHREDDER OIL	12	oz	05/14/2015
0001382296		SHREDDER OIL	12	oz	05/14/2015
0001341114	7440-39-3	BARIUM DENDRITIC PIECES	25	gm	05/15/2015
0001388399		FORMULA 316	1.2	oz	05/15/2015
0001334978	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	05/15/2015
0001334972	7732-18-5	Hydrochloric Acid 30-31%	3000	lb	05/15/2015
0001280486		MASONRY GROUT	50	lb	05/15/2015
0001334976	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	05/15/2015
0001334975	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	05/15/2015
0001334974	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	05/15/2015
0001280488		MASONRY GROUT	50	lb	05/15/2015
0001280487		MASONRY GROUT	50	lb	05/15/2015
0001334977	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	05/15/2015
0001280485		MASONRY GROUT	50	lb	05/15/2015
0001280484		MASONRY GROUT	50	lb	05/15/2015
0001388413		FORMULA 316	1.2	oz	05/15/2015
0001334971	7732-18-5	Hydrochloric Acid 30-31%	3000	lb	05/15/2015
0001341148	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	1	l	05/15/2015
0001341147	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	1	l	05/15/2015
0001341146	7681-49-4	SODIUM FLUORIDE	25	gm	05/15/2015
0001341145	7681-49-4	SODIUM FLUORIDE	25	gm	05/15/2015
0001388499		FORMULA 316	1.2	oz	05/15/2015
0001388498		FORMULA 316	1.2	oz	05/15/2015
0001388497		FORMULA 316	1.2	oz	05/15/2015
0001388496		FORMULA 316	1.2	oz	05/15/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001388495		FORMULA 316	1.2	oz	05/15/2015
0001334973		NALCO 7408 CHLORINE SCAVENGER SOLUTION	2209	lb	05/15/2015
0001388508		FORMULA 316	1.2	oz	05/15/2015
0001340900	67-56-1	METHANOL	1	l	05/15/2015
0001340898	110-54-3	HEXANE (HEXANE, ANHYDROUS)	1	l	05/15/2015
0001340897	110-54-3	HEXANE (HEXANE, ANHYDROUS)	1	l	05/15/2015
0001340896	100-66-3	950 PMMA A 4	500	ml	05/15/2015
0001340895	100-66-3	ANISOLE	500	ml	05/15/2015
0001340758	7782-63-0	IRON(II) SULFATE HEPTAHYDRATE	100	gm	05/15/2015
0001388516		FORMULA 316	1.2	oz	05/15/2015
0001388515		FORMULA 316	1.2	oz	05/15/2015
0001388514		FORMULA 316	1.2	oz	05/15/2015
0001388513		FORMULA 316	1.2	oz	05/15/2015
0001388512		FORMULA 316	1.2	oz	05/15/2015
0001388511		FORMULA 316	1.2	oz	05/15/2015
0001388501		FORMULA 316	1.2	oz	05/15/2015
0001388509		FORMULA 316	1.2	oz	05/15/2015
0001388500		FORMULA 316	1.2	oz	05/15/2015
0001388507		FORMULA 316	1.2	oz	05/15/2015
0001388506		FORMULA 316	1.2	oz	05/15/2015
0001388505		FORMULA 316	1.2	oz	05/15/2015
0001388504		FORMULA 316	1.2	oz	05/15/2015
0001388503		FORMULA 316	1.2	oz	05/15/2015
0001388418		FORMULA 316	1.2	oz	05/15/2015
0001388417		FORMULA 316	1.2	oz	05/15/2015
0001388416		FORMULA 316	1.2	oz	05/15/2015
0001388415		FORMULA 316	1.2	oz	05/15/2015
0001388414		FORMULA 316	1.2	oz	05/15/2015
0001388492		FORMULA 316	1.2	oz	05/15/2015
0001388502		FORMULA 316	1.2	oz	05/15/2015
0001388510		FORMULA 316	1.2	oz	05/15/2015
0001388542		FORMULA 316	1.2	oz	05/15/2015
0001388494		FORMULA 316	1.2	oz	05/15/2015
0001341144		LPS E coli 0157:H7	10	mg	05/15/2015
0001341159	7647-15-6	SODIUM BROMIDE	55	lb	05/15/2015
0001341158	7647-15-6	SODIUM BROMIDE	55	lb	05/15/2015
0001341157	93-08-3	2-ACETONAPHTHONE	100	gm	05/15/2015
0001341149	30389-25-4	(Perfluorodecyl)ethylene	25	gm	05/15/2015
0001340994	497-19-8	SODIUM CARBONATE	3	kg	05/15/2015
0001340993	497-19-8	SODIUM CARBONATE	3	kg	05/15/2015
0001340992	497-19-8	SODIUM CARBONATE	3	kg	05/15/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001340991	497-19-8	SODIUM CARBONATE	3	kg	05/15/2015
0001340990	497-19-8	SODIUM CARBONATE	3	kg	05/15/2015
0001340989	497-19-8	SODIUM CARBONATE	3	kg	05/15/2015
0001341115	7440-39-3	BARIUM DENDRITIC PIECES	25	gm	05/15/2015
0001340987	497-19-8	SODIUM CARBONATE	3	kg	05/15/2015
0001341032	7697-37-2	NITRIC ACID OPTIMA	1	l	05/15/2015
0001388541		FORMULA 316	1.2	oz	05/15/2015
0001388540		FORMULA 316	1.2	oz	05/15/2015
0001388539		FORMULA 316	1.2	oz	05/15/2015
0001388538		FORMULA 316	1.2	oz	05/15/2015
0001388537		FORMULA 316	1.2	oz	05/15/2015
0001388536		FORMULA 316	1.2	oz	05/15/2015
0001388535		FORMULA 316	1.2	oz	05/15/2015
0001388534		FORMULA 316	1.2	oz	05/15/2015
0001388533		FORMULA 316	1.2	oz	05/15/2015
0001388532		FORMULA 316	1.2	oz	05/15/2015
0001388531		FORMULA 316	1.2	oz	05/15/2015
0001388530		FORMULA 316	1.2	oz	05/15/2015
0001340988	497-19-8	SODIUM CARBONATE	3	kg	05/15/2015
0001341019		GLUCOSE	50	ul	05/15/2015
0001341048	865-47-4	POTASSIUM-TERT-BUTOXIDE	100	gm	05/15/2015
0001388491		FORMULA 316	1.2	oz	05/15/2015
0001388490		FORMULA 316	1.2	oz	05/15/2015
0001388489		FORMULA 316	1.2	oz	05/15/2015
0001388488		FORMULA 316	1.2	oz	05/15/2015
0001388487		FORMULA 316	1.2	oz	05/15/2015
0001388486		FORMULA 316	1.2	oz	05/15/2015
0001382334	1310-73-2	Sodium Hydroxide 25%	3400	lb	05/15/2015
0001341284	107-20-0	CHLOROACETALDEHYDE	250	ml	05/15/2015
0001341163	7647-15-6	SODIUM BROMIDE	55	lb	05/15/2015
0001341162	7647-15-6	SODIUM BROMIDE	55	lb	05/15/2015
0001341161	7647-15-6	SODIUM BROMIDE	55	lb	05/15/2015
0001341143	25389-94-0	KANAMYCIN SULFATE	25	gm	05/15/2015
0001341018		GLUCOSE	50	ul	05/15/2015
0001388493		FORMULA 316	1.2	oz	05/15/2015
0001341020		GLUCOSE	50	ul	05/15/2015
0001341021		GLUCOSE	50	ul	05/15/2015
0001341022		GLUCOSE	50	ul	05/15/2015
0001341023		GLUCOSE	50	ul	05/15/2015
0001341024		GLUCOSE	50	ul	05/15/2015
0001341025		GLUCOSE	50	ul	05/15/2015
0001341026		GLUCOSE	50	ul	05/15/2015
0001341027	7553-56-2	IODINE [SOLUTION]	1	l	05/15/2015
0001341028	7553-56-2	IODINE [SOLUTION]	1	l	05/15/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001341029	7697-37-2	NITRIC ACID OPTIMA	1 l		05/15/2015
0001341030	7697-37-2	NITRIC ACID OPTIMA	1 l		05/15/2015
0001341031	7697-37-2	NITRIC ACID OPTIMA	1 l		05/15/2015
0001341160	7647-15-6	SODIUM BROMIDE	55 lb		05/15/2015
0001388526		FORMULA 316	1.2 oz		05/15/2015
0001388453		FORMULA 316	1.2 oz		05/15/2015
0001388452		FORMULA 316	1.2 oz		05/15/2015
0001388451		FORMULA 316	1.2 oz		05/15/2015
0001388450		FORMULA 316	1.2 oz		05/15/2015
0001388449		FORMULA 316	1.2 oz		05/15/2015
0001388448		FORMULA 316	1.2 oz		05/15/2015
0001388447		FORMULA 316	1.2 oz		05/15/2015
0001388446		FORMULA 316	1.2 oz		05/15/2015
0001388483		FORMULA 316	1.2 oz		05/15/2015
0001388484		FORMULA 316	1.2 oz		05/15/2015
0001388485		FORMULA 316	1.2 oz		05/15/2015
0001340995	7440-33-7	TUNGSTEN POWDER	1000 gm		05/15/2015
0001388527		FORMULA 316	1.2 oz		05/15/2015
0001388456		FORMULA 316	1.2 oz		05/15/2015
0001388525		FORMULA 316	1.2 oz		05/15/2015
0001388524		FORMULA 316	1.2 oz		05/15/2015
0001388523		FORMULA 316	1.2 oz		05/15/2015
0001388522		FORMULA 316	1.2 oz		05/15/2015
0001388521		FORMULA 316	1.2 oz		05/15/2015
0001388520		FORMULA 316	1.2 oz		05/15/2015
0001388519		FORMULA 316	1.2 oz		05/15/2015
0001388518		FORMULA 316	1.2 oz		05/15/2015
0001388445		FORMULA 316	1.2 oz		05/15/2015
0001388444		FORMULA 316	1.2 oz		05/15/2015
0001388443		FORMULA 316	1.2 oz		05/15/2015
0001388442		FORMULA 316	1.2 oz		05/15/2015
0001388528		FORMULA 316	1.2 oz		05/15/2015
0001388468		FORMULA 316	1.2 oz		05/15/2015
0001388482		FORMULA 316	1.2 oz		05/15/2015
0001388481		FORMULA 316	1.2 oz		05/15/2015
0001388480		FORMULA 316	1.2 oz		05/15/2015
0001388479		FORMULA 316	1.2 oz		05/15/2015
0001388478		FORMULA 316	1.2 oz		05/15/2015
0001388477		FORMULA 316	1.2 oz		05/15/2015
0001388476		FORMULA 316	1.2 oz		05/15/2015
0001388475		FORMULA 316	1.2 oz		05/15/2015
0001388474		FORMULA 316	1.2 oz		05/15/2015
0001388473		FORMULA 316	1.2 oz		05/15/2015
0001388472		FORMULA 316	1.2 oz		05/15/2015
0001388471		FORMULA 316	1.2 oz		05/15/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001388454		FORMULA 316	1.2	oz	05/15/2015
0001388469		FORMULA 316	1.2	oz	05/15/2015
0001388455		FORMULA 316	1.2	oz	05/15/2015
0001388467		FORMULA 316	1.2	oz	05/15/2015
0001388466		FORMULA 316	1.2	oz	05/15/2015
0001388465		FORMULA 316	1.2	oz	05/15/2015
0001388464		FORMULA 316	1.2	oz	05/15/2015
0001388463		FORMULA 316	1.2	oz	05/15/2015
0001388462		FORMULA 316	1.2	oz	05/15/2015
0001388461		FORMULA 316	1.2	oz	05/15/2015
0001388460		FORMULA 316	1.2	oz	05/15/2015
0001388459		FORMULA 316	1.2	oz	05/15/2015
0001388458		FORMULA 316	1.2	oz	05/15/2015
0001388457		FORMULA 316	1.2	oz	05/15/2015
0001388439		FORMULA 316	1.2	oz	05/15/2015
0001388470		FORMULA 316	1.2	oz	05/15/2015
0001382335	1310-73-2	Sodium Hydroxide 25%	3400	lb	05/15/2015
0001388441		FORMULA 316	1.2	oz	05/15/2015
0001341065		FloMag H	5	gal	05/15/2015
0001341066		FloMag H	5	gal	05/15/2015
0001341067		FloMag H	5	gal	05/15/2015
0001341068		FloMag H	5	gal	05/15/2015
0001334970	7732-18-5	Hydrochloric Acid 30-31%	3000	lb	05/15/2015
0001341013	773-64-8	2-MESITYLENESULFONYL CHLORIDE	100	gm	05/15/2015
0001341014	12027-06-4	AMMONIUM IODIDE	100	gm	05/15/2015
0001341015		GLUCOSE	50	ul	05/15/2015
0001341016		GLUCOSE	50	ul	05/15/2015
0001341017		GLUCOSE	50	ul	05/15/2015
0001382338	1310-73-2	Sodium Hydroxide 25%	3400	lb	05/15/2015
0001341063		FloMag H	5	gal	05/15/2015
0001382336	1310-73-2	Sodium Hydroxide 25%	3400	lb	05/15/2015
0001341062		FloMag H	5	gal	05/15/2015
0001341056		FloMag H	5	gal	05/15/2015
0001341055		FloMag H	5	gal	05/15/2015
0001341054		FloMag H	5	gal	05/15/2015
0001341053		FloMag H	5	gal	05/15/2015
0001341052		FloMag H	5	gal	05/15/2015
0001341051		FloMag H	5	gal	05/15/2015
0001341050		FloMag H	5	gal	05/15/2015
0001341049		FloMag H	5	gal	05/15/2015
0001340899	110-54-3	HEXANE (HEXANE, ANHYDROUS)	1	l	05/15/2015
0001341047	865-47-4	POTASSIUM-TERT-BUTOXIDE	100	gm	05/15/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001388529		FORMULA 316	1.2	oz	05/15/2015
0001340970	593-51-1	METHYLAMINE HYDROCHLORIDE	100	gm	05/15/2015
0001382337	1310-73-2	Sodium Hydroxide 25%	3400	lb	05/15/2015
0001388425		FORMULA 316	1.2	oz	05/15/2015
0001340901	67-56-1	METHANOL	1	l	05/15/2015
0001388438		FORMULA 316	1.2	oz	05/15/2015
0001388437		FORMULA 316	1.2	oz	05/15/2015
0001388436		FORMULA 316	1.2	oz	05/15/2015
0001388435		FORMULA 316	1.2	oz	05/15/2015
0001388434		FORMULA 316	1.2	oz	05/15/2015
0001388433		FORMULA 316	1.2	oz	05/15/2015
0001388432		FORMULA 316	1.2	oz	05/15/2015
0001388431		FORMULA 316	1.2	oz	05/15/2015
0001388430		FORMULA 316	1.2	oz	05/15/2015
0001388429		FORMULA 316	1.2	oz	05/15/2015
0001388428		FORMULA 316	1.2	oz	05/15/2015
0001341064		FloMag H	5	gal	05/15/2015
0001388426		FORMULA 316	1.2	oz	05/15/2015
0001388440		FORMULA 316	1.2	oz	05/15/2015
0001388424		FORMULA 316	1.2	oz	05/15/2015
0001388423		FORMULA 316	1.2	oz	05/15/2015
0001388422		FORMULA 316	1.2	oz	05/15/2015
0001388421		FORMULA 316	1.2	oz	05/15/2015
0001388420		FORMULA 316	1.2	oz	05/15/2015
0001388419		FORMULA 316	1.2	oz	05/15/2015
0001388517		FORMULA 316	1.2	oz	05/15/2015
0001341057		FloMag H	5	gal	05/15/2015
0001341058		FloMag H	5	gal	05/15/2015
0001341059		FloMag H	5	gal	05/15/2015
0001341060		FloMag H	5	gal	05/15/2015
0001341061		FloMag H	5	gal	05/15/2015
0001388427		FORMULA 316	1.2	oz	05/15/2015
0001388406		FORMULA 316	1.2	oz	05/15/2015
0001388412		FORMULA 316	1.2	oz	05/15/2015
0001388411		FORMULA 316	1.2	oz	05/15/2015
0001388410		FORMULA 316	1.2	oz	05/15/2015
0001388409		FORMULA 316	1.2	oz	05/15/2015
0001388407		FORMULA 316	1.2	oz	05/15/2015
0001388405		FORMULA 316	1.2	oz	05/15/2015
0001388404		FORMULA 316	1.2	oz	05/15/2015
0001388403		FORMULA 316	1.2	oz	05/15/2015
0001388402		FORMULA 316	1.2	oz	05/15/2015
0001388401		FORMULA 316	1.2	oz	05/15/2015
0001388400		FORMULA 316	1.2	oz	05/15/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001388408		FORMULA 316	1.2	oz	05/15/2015
0001341359		ENSOLV-IONIC	1	gal	05/18/2015
0001341325	1336-21-6	AMMONIUM HYDROXIDE	500	ml	05/18/2015
0001341324	1336-21-6	AMMONIUM HYDROXIDE	500	ml	05/18/2015
0001341323	67-64-1	ACETONE	4	l	05/18/2015
0001341322	67-64-1	ACETONE	4	l	05/18/2015
0001341321	141-78-6	ETHYL ACETATE	200	l	05/18/2015
0001382340	7732-18-5	Hydrochloric Acid 30-31%	3000	lb	05/18/2015
0001382339	7705-08-0	FERRIC CHLORIDE	3400	lb	05/18/2015
0001341409	7757-82-6	SODIUM SULFATE	500	gm	05/18/2015
0001341408	25837-05-2	Ethylbenzene-d10	10	ml	05/18/2015
0001341327	1336-21-6	AMMONIUM HYDROXIDE	500	ml	05/18/2015
0001341407	667-27-6	ETHYL BROMODIFLUOROACETATE	5	gm	05/18/2015
0001267590		SUPER GLUE	0.7	oz	05/18/2015
0001341358		ENSOLV-IONIC	1	gal	05/18/2015
0001341357		ENSOLV-IONIC	1	gal	05/18/2015
0001341356		ENSOLV-IONIC	1	gal	05/18/2015
0001341355		ENSOLV-IONIC	1	gal	05/18/2015
0001341354		ENSOLV-IONIC	1	gal	05/18/2015
0001341353		ENSOLV-IONIC	1	gal	05/18/2015
0001341352		ENSOLV-IONIC	1	gal	05/18/2015
0001341351		ENSOLV-IONIC	1	gal	05/18/2015
0001341350		ENSOLV-IONIC	1	gal	05/18/2015
0001341349		ENSOLV-IONIC	1	gal	05/18/2015
0001341348		ENSOLV-IONIC	1	gal	05/18/2015
0001341283		RHODIUM 10 UG/ML IN 2% HCL	500	ml	05/18/2015
0001362259	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	250	l	05/18/2015
0001362254	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	05/18/2015
0001267583		SUPER GLUE	0.7	oz	05/18/2015
0001267582		MULTI-PURPOSE BEARING GREASE	14.1	oz	05/18/2015
0001267581		MULTI-PURPOSE BEARING GREASE	14.1	oz	05/18/2015
0001341041		3M Repositionable Spray Adhesive 75	16	oz	05/18/2015
0001341333	77-98-5	TETRAETHYL AMMONIUM HYDROXIDE	250	ml	05/18/2015
0001267580		COOLANT	1	gal	05/18/2015
0001341332	75-31-0	ISOPROPYLAMINE	250	ml	05/18/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001341331	151-21-3	SODIUM DODECYL SULFATE, HPCE GRADE	1	kg	05/18/2015
0001341330		Uraplex	125	ml	05/18/2015
0001341326	1336-21-6	AMMONIUM HYDROXIDE	500	ml	05/18/2015
0001341328	1336-21-6	AMMONIUM HYDROXIDE	500	ml	05/18/2015
0001362255	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	05/18/2015
0001362257	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	05/18/2015
0001362258	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	05/18/2015
0001267592		SUPER GLUE	0.7	oz	05/18/2015
0001341044		SODIUM THIOSULFATE SOLUTION	1	l	05/18/2015
0001341043		SODIUM THIOSULFATE SOLUTION	1	l	05/18/2015
0001341345		ENSOLV-IONIC	1	gal	05/18/2015
0001341042	64-17-5	DENATURED ANHYDROUS ETHYL ALCOHOL	1	l	05/18/2015
0001267591		SUPER GLUE	0.7	oz	05/18/2015
0001267587		SUPER GLUE GEL	0.53	oz	05/18/2015
0001267588		SUPER GLUE GEL	0.53	oz	05/18/2015
0001267589		SUPER GLUE	0.7	oz	05/18/2015
0001341329	1336-21-6	AMMONIUM HYDROXIDE	500	ml	05/18/2015
0001341165		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/18/2015
0001341275		Custom Solution in 10%	125	ml	05/18/2015
0001341347		ENSOLV-IONIC	1	gal	05/18/2015
0001341273		Custom Solution in 10%	125	ml	05/18/2015
0001341272		Custom Solution in 10%	125	ml	05/18/2015
0001341040	6484-52-2	AMMONIUM NITRATE	500	gm	05/18/2015
0001341039	501-65-5	DIPHENYLACETYLENE (TOLAN)	25	gm	05/18/2015
0001341038	753-73-1	DIMETHYLTIN DICHLORIDE	5	gm	05/18/2015
0001341037	75-36-5	ACETYL CHLORIDE	250	ml	05/18/2015
0001341036	543-20-4	SUCCINYL CHLORIDE	25	gm	05/18/2015
0001341035	1310-73-2	SODIUM HYDROXIDE	2.5	kg	05/18/2015
0001341034	1310-73-2	SODIUM HYDROXIDE	2.5	kg	05/18/2015
0001341033	1310-73-2	SODIUM HYDROXIDE	2.5	kg	05/18/2015
0001341045	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	100	ml	05/18/2015
0001341346		ENSOLV-IONIC	1	gal	05/18/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001341174		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/18/2015
0001341181	25322-68-3	POLYETHYLENE GLYCOLS	1	kg	05/18/2015
0001341180	25155-30-0	DODECYLBENZENESULFONIC ACID, SODIUM SALT, TECH.	1	kg	05/18/2015
0001341179	9004-54-0	DEXTRAN	100	gm	05/18/2015
0001341178	9004-54-0	DEXTRAN	500	gm	05/18/2015
0001341177	17979-81-6	SODIUM TRIETHYLBOROHYDRIDE	100	ml	05/18/2015
0001341046		BCA PROTEIN ASSAY REAGENT	1	kg	05/18/2015
0001341175		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/18/2015
0001341164		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/18/2015
0001362256	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	05/18/2015
0001341169		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/18/2015
0001341168		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/18/2015
0001341167		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/18/2015
0001341166		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/18/2015
0001341276		Custom Solution in 10%	125	ml	05/18/2015
0001341176	7681-49-4	SODIUM FLUORIDE	100	gm	05/18/2015
0001341188	383-62-0	Ethyl chlorodifluoroacetate	25	ml	05/18/2015
0001341344		ENSOLV-IONIC	1	gal	05/18/2015
0001341343		ENSOLV-IONIC	1	gal	05/18/2015
0001341342		ENSOLV-IONIC	1	gal	05/18/2015
0001341341		ENSOLV-IONIC	1	gal	05/18/2015
0001341340		ENSOLV-IONIC	1	gal	05/18/2015
0001341339		ENSOLV-IONIC	1	gal	05/18/2015
0001341338		ENSOLV-IONIC	1	gal	05/18/2015
0001341337		ENSOLV-IONIC	1	gal	05/18/2015
0001341336		ENSOLV-IONIC	1	gal	05/18/2015
0001341335		ENSOLV-IONIC	1	gal	05/18/2015
0001341274		Custom Solution in 10%	125	ml	05/18/2015
0001341189	433-28-3	Vinyl trifluoroacetate	5	gm	05/18/2015
0001341277		CUSTOM STANDARD MULTI ELEMENT SOLUTION	125	ml	05/18/2015
0001341187	2622-14-2	TRICYCLOHEXYLPHOSPHINE	5	gm	05/18/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001341186	544-76-3	HEXADECANE (HEXADECANE, ANHYDROUS)	100	ml	05/18/2015
0001341280		SCANDIUM STANDARD SOLUTION	500	ml	05/18/2015
0001341281		SCANDIUM STANDARD SOLUTION	500	ml	05/18/2015
0001341282		RHODIUM 10 UG/ML IN 2% HCL	500	ml	05/18/2015
0001341173		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/18/2015
0001341190	454-31-9	Ethyl difluoroacetate	5	gm	05/18/2015
0001341279		CUSTOM SOLUTION IN 5%	500	ml	05/18/2015
0001341278		CUSTOM SOLUTION IN 5%	500	ml	05/18/2015
0001341172		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/18/2015
0001341171		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/18/2015
0001341170		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/18/2015
0001341182	302-95-4	SODIUM DEOXYCHOLATE	500	gm	05/18/2015
0001341183		Single-Walled Carbon Nanotube Freeze Dried Powder	1	gm	05/18/2015
0001341184		Single-Walled Carbon Nanotube Freeze Dried Powder	1	gm	05/18/2015
0001341185		Single-Walled Carbon Nanotube Freeze Dried Powder	1	gm	05/18/2015
0001320218		CATALYST 24LV	16	oz	05/19/2015
0001280531		ARDEX FEATHER FINISH	10	lb	05/19/2015
0001280530		ARDEX FEATHER FINISH	10	lb	05/19/2015
0001280532		ARDEX FEATHER FINISH	10	lb	05/19/2015
0001280515		fast setting cement	50	lb	05/19/2015
0001280507		fast setting cement	50	lb	05/19/2015
0001280508		fast setting cement	50	lb	05/19/2015
0001280509		fast setting cement	50	lb	05/19/2015
0001280510		fast setting cement	50	lb	05/19/2015
0001280511		fast setting cement	50	lb	05/19/2015
0001280512		fast setting cement	50	lb	05/19/2015
0001311412		Blaw-Kote	5	gal	05/19/2015
0001280514		fast setting cement	50	lb	05/19/2015
0001280504		fast setting cement	50	lb	05/19/2015
0001280516		fast setting cement	50	lb	05/19/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001280517		fast setting cement	50	lb	05/19/2015
0001280518		fast setting cement	50	lb	05/19/2015
0001280519		fast setting cement	50	lb	05/19/2015
0000913053	77-98-5	TETRAETHYL AMMONIUM HYDROXIDE	100	gm	05/19/2015
0001388564		SPRAY ON BLUE LAYOUT FLUID	12	oz	05/19/2015
0001280513		fast setting cement	50	lb	05/19/2015
0001280497		fast setting cement	50	lb	05/19/2015
0001280489		fast setting cement	50	lb	05/19/2015
0001280490		fast setting cement	50	lb	05/19/2015
0001280491		fast setting cement	50	lb	05/19/2015
0001280492		fast setting cement	50	lb	05/19/2015
0001280493		fast setting cement	50	lb	05/19/2015
0001280494		fast setting cement	50	lb	05/19/2015
0001280506		fast setting cement	50	lb	05/19/2015
0001280496		fast setting cement	50	lb	05/19/2015
0001280505		fast setting cement	50	lb	05/19/2015
0001280498		fast setting cement	50	lb	05/19/2015
0001280499		fast setting cement	50	lb	05/19/2015
0001280500		fast setting cement	50	lb	05/19/2015
0001280501		fast setting cement	50	lb	05/19/2015
0001280502		fast setting cement	50	lb	05/19/2015
0001280503		fast setting cement	50	lb	05/19/2015
0001311411		Blaw-Kote	5	gal	05/19/2015
0001280495		fast setting cement	50	lb	05/19/2015
0001388549		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	1	gal	05/19/2015
0001280524		fast setting cement	50	lb	05/19/2015
0001280525		fast setting cement	50	lb	05/19/2015
0001280526		fast setting cement	50	lb	05/19/2015
0001280527		fast setting cement	50	lb	05/19/2015
0001280528		fast setting cement	50	lb	05/19/2015
0001388552		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	1	gal	05/19/2015
0000913017	10026-04-7	SILICON TETRACHLORIDE	100	gm	05/19/2015
0001388550		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	1	gal	05/19/2015
0001280521		fast setting cement	50	lb	05/19/2015
0001388547		COTE ALL MULTI-PURPOSE ENAMEL	1	gal	05/19/2015
0001388546		COTE ALL MULTI-PURPOSE ENAMEL	1	gal	05/19/2015
0001388544		PERMACRYL EXTERIOR SEMI-GLOSS WHITE BASE	1	gal	05/19/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001388543		PERMACRYL EXTERIOR SEMI-GLOSS WHITE BASE	1 gal		05/19/2015
0001280534		PERMACRYL EXTERIOR SEMI-GLOSS WHITE BASE	1 gal		05/19/2015
0001388548		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	1 gal		05/19/2015
0001388551		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	1 gal		05/19/2015
0001320221		CATALYST 24LV	16 oz		05/19/2015
0000913015	109-72-8	N-BUTYLLITHIUM	100 ml		05/19/2015
0001320229		STYCAST 2850FT BLUE	32 oz		05/19/2015
0001320228		STYCAST 2850FT BLUE	32 oz		05/19/2015
0001320227		STYCAST 2850FT BLUE	32 oz		05/19/2015
0001320226		STYCAST 2850FT BLUE	32 oz		05/19/2015
0001320225		STYCAST 2850FT BLUE	32 oz		05/19/2015
0001280523		fast setting cement	50 lb		05/19/2015
0001320222		CATALYST 24LV	16 oz		05/19/2015
0001280522		fast setting cement	50 lb		05/19/2015
0001320220		CATALYST 24LV	16 oz		05/19/2015
0001320219		CATALYST 24LV	16 oz		05/19/2015
0001388553		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	1 gal		05/19/2015
0001320217		CATALYST 24LV	16 oz		05/19/2015
0000913023	59163-91-6	IRON(II) TRIFLUOROMETHANE	25 gm		05/19/2015
0001280520		fast setting cement	50 lb		05/19/2015
0001280529		ARDEX FEATHER FINISH	10 lb		05/19/2015
0001320223		CATALYST 24LV	16 oz		05/19/2015
0001311424		Sta-Plex premium red grease	14 oz		05/19/2015
0001311415		Sta-Plex premium red grease	14 oz		05/19/2015
0001311416		Sta-Plex premium red grease	14 oz		05/19/2015
0001202219		Luber Grease Cartiridge	700 gm		05/19/2015
0001311423		Sta-Plex premium red grease	14 oz		05/19/2015
0001311422		Sta-Plex premium red grease	14 oz		05/19/2015
0001311421		Sta-Plex premium red grease	14 oz		05/19/2015
0001311419		Sta-Plex premium red grease	14 oz		05/19/2015
0001311418		Sta-Plex premium red grease	14 oz		05/19/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001311413		Sta-Plex premium red grease	14	oz	05/19/2015
0001320224		STYCAST 2850FT BLUE	32	oz	05/19/2015
0001311420		Sta-Plex premium red grease	14	oz	05/19/2015
0001202220		Luber Grease Cartiridge	700	gm	05/19/2015
0001311414		Sta-Plex premium red grease	14	oz	05/19/2015
0001311417		Sta-Plex premium red grease	14	oz	05/19/2015
0001388583		PERMACRYL EXTERIOR SEMI-GLOSS NEUTRAL BASE	1	gal	05/20/2015
0000913035	1186-52-3	ACETIC ACID D4	25	gm	05/20/2015
0000913036	865-49-6	CHLOROFORM-D 99.6+ ATOM% D	100	ml	05/20/2015
0001388588		PERMACRYL eggshell white INTERIOR ACRYLIC DE-1531	5	gal	05/20/2015
0001388587		PERMACRYL eggshell white INTERIOR ACRYLIC DE-1531	5	gal	05/20/2015
0001388585		PERMACRYL eggshell white INTERIOR ACRYLIC DE-1531	5	gal	05/20/2015
0000913034	1076-43-3	BENZENE-D6	100	gm	05/20/2015
0001388603		5080 PRESSURE SENSITIVE ADHESIVE	4	gal	05/20/2015
0001388586		PERMACRYL eggshell white INTERIOR ACRYLIC DE-1531	5	gal	05/20/2015
0001388590		PERMACRYL INTERIOR SEMI GLOSS DEEP BASE 1573	1	gal	05/20/2015
0001388562		SPRAY ON BLUE LAYOUT FLUID	12	oz	05/20/2015
0001388607		5080 PRESSURE SENSITIVE ADHESIVE	4	gal	05/20/2015
0001388606		5080 PRESSURE SENSITIVE ADHESIVE	4	gal	05/20/2015
0000913037	865-49-6	CHLOROFORM-D 99.8+ ATOM% D	100	ml	05/20/2015
0001388604		5080 PRESSURE SENSITIVE ADHESIVE	4	gal	05/20/2015
0001388614		5080 PRESSURE SENSITIVE ADHESIVE	4	gal	05/20/2015
0001388602		5080 PRESSURE SENSITIVE ADHESIVE	4	gal	05/20/2015
0001388605		5080 PRESSURE SENSITIVE ADHESIVE	4	gal	05/20/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001388616		5080 PRESSURE SENSITIVE ADHESIVE	4	gal	05/20/2015
0000913052	2622-14-2	TRICYCLOHEXYLPHOSPHINE	5	gm	05/20/2015
0000913045	98-13-5	PHENYLTRICHLOROSILANE	100	gm	05/20/2015
0001388595		ELASTOMERIC LATEX SEALANT	5	gal	05/20/2015
0001388577		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	1	gal	05/20/2015
0001388578		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	1	gal	05/20/2015
0001388579		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	1	gal	05/20/2015
0001388582		PERMACRYL EXTERIOR SEMI-GLOSS NEUTRAL BASE	1	gal	05/20/2015
0001388598		5080 PRESSURE SENSITIVE ADHESIVE	4	gal	05/20/2015
0001388612		5080 PRESSURE SENSITIVE ADHESIVE	4	gal	05/20/2015
0001388617		5080 PRESSURE SENSITIVE ADHESIVE	4	gal	05/20/2015
0001388563		SPRAY ON BLUE LAYOUT FLUID	12	oz	05/20/2015
0001388615		5080 PRESSURE SENSITIVE ADHESIVE	4	gal	05/20/2015
0001388645		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388613		5080 PRESSURE SENSITIVE ADHESIVE	4	gal	05/20/2015
0001388601		5080 PRESSURE SENSITIVE ADHESIVE	4	gal	05/20/2015
0001388611		5080 PRESSURE SENSITIVE ADHESIVE	4	gal	05/20/2015
0001388610		5080 PRESSURE SENSITIVE ADHESIVE	4	gal	05/20/2015
0001388609		5080 PRESSURE SENSITIVE ADHESIVE	4	gal	05/20/2015
0001388608		5080 PRESSURE SENSITIVE ADHESIVE	4	gal	05/20/2015
0001388618		5080 PRESSURE SENSITIVE ADHESIVE	4	gal	05/20/2015
0001388596		ELASTOMERIC LATEX SEALANT	5	gal	05/20/2015
0001388647		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001388682		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388683		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388684		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388685		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388686		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388687		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388688		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388689		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388690		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388620		PSX 700 PART A(RESIN)	1	gal	05/20/2015
0001388594		SEMI GLOSS 100% ACRYLIC L	1	gal	05/20/2015
0001388621		PSX 700 PART A(RESIN)	1	gal	05/20/2015
0000913050	85-44-9	PHTHALIC ANHYDRIDE	500	gm	05/20/2015
0001320235		STYCAST 1266 PART B	7	oz	05/20/2015
0001320231		STYCAST 2850FT BLACK	1	qt	05/20/2015
0001320234		STYCAST 1266 PART B	7	oz	05/20/2015
0001320232		STYCAST 1266 PART A	1	qt	05/20/2015
0001320233		STYCAST 1266 PART A	1	qt	05/20/2015
0000913054	7727-18-6	VANADIUM (V) OXYCHLORIDE	100	gm	05/20/2015
0000913055	27607-77-8	TRIMETHYLSILYLTRIFLUOROMETHANESULFONATE	50	gm	05/20/2015
0001388627		PSX 700 CURE	0.2	gal	05/20/2015
0001388599		5080 PRESSURE SENSITIVE ADHESIVE	4	gal	05/20/2015
0001388592		PERMACRYL EXTERIOR SEMI-GLOSS NEUTRAL BASE	1	gal	05/20/2015
0001388633		PSX 700 CURE	0.2	gal	05/20/2015
0001388691		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388646		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388581		PERMACRYL EXTERIOR SEMI-GLOSS NEUTRAL BASE	1	gal	05/20/2015
0001388644		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001388643		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388642		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388641		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388639		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388638		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388637		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388681		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388634		PSX 700 CURE	0.2	gal	05/20/2015
0001388600		5080 PRESSURE SENSITIVE ADHESIVE	4	gal	05/20/2015
0001388632		PSX 700 CURE	0.2	gal	05/20/2015
0001388631		PSX 700 CURE	0.2	gal	05/20/2015
0001388630		PSX 700 CURE	0.2	gal	05/20/2015
0001388629		PSX 700 CURE	0.2	gal	05/20/2015
0001388628		PSX 700 CURE	0.2	gal	05/20/2015
0001388626		PSX 700 PART A(RESIN)	1	gal	05/20/2015
0001388625		PSX 700 PART A(RESIN)	1	gal	05/20/2015
0001388624		PSX 700 PART A(RESIN)	1	gal	05/20/2015
0001388623		PSX 700 PART A(RESIN)	1	gal	05/20/2015
0001388622		PSX 700 PART A(RESIN)	1	gal	05/20/2015
0001388636		PSX 700 PART A(RESIN)	0.8	gal	05/20/2015
0001388653		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388697		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388695		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388693		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388692		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388665		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388664		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001362089		37% Carbon Dioxide, 25 ppm Hydrogen Sulfide	150	cf	05/20/2015
0001388557		BIG STRETCH CAULK	10.5	oz	05/20/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001388558		BIG STRETCH CAULK	10.5	oz	05/20/2015
0001388559		BIG STRETCH CAULK	10.5	oz	05/20/2015
0001388698		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388652		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388696		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388654		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388655		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388656		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388657		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388658		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388659		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388660		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388661		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388662		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388663		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388651		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388676		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388648		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388649		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388650		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388561		BIG STRETCH CAULK	10.5	oz	05/20/2015
0001388560		BIG STRETCH CAULK	10.5	oz	05/20/2015
0001388680		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388679		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001388694		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388677		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388699		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388675		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388674		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388702		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388700		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388678		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388701		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388673		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388666		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388667		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388668		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388669		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388670		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388671		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388672		SPOTCHECK PENETRANT SKL-SP	300	gm	05/20/2015
0001388572		SPRAY ON BLUE LAYOUT FLUID	12	oz	05/20/2015
0001388571		SPRAY ON BLUE LAYOUT FLUID	12	oz	05/20/2015
0001388570		SPRAY ON BLUE LAYOUT FLUID	12	oz	05/20/2015
0001388565		SPRAY ON BLUE LAYOUT FLUID	12	oz	05/20/2015
0001388566		SPRAY ON BLUE LAYOUT FLUID	12	oz	05/20/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001388567		SPRAY ON BLUE LAYOUT FLUID	12	oz	05/20/2015
0001388568		SPRAY ON BLUE LAYOUT FLUID	12	oz	05/20/2015
0001388569		SPRAY ON BLUE LAYOUT FLUID	12	oz	05/20/2015
0000913042	6002-31-9	tert-Butylphenylphosphine	1	gm	05/20/2015
0001388573		SPRAY ON BLUE LAYOUT FLUID	12	oz	05/20/2015
0001341456		Low Level Total Residual Chlorine	2	ml	05/21/2015
0001362308		AIR, COMPRESSED	220	cf	05/21/2015
0001311430		LIQUID NAILS PANEL AND CONSTRUCTION ADHESIVE	10	oz	05/21/2015
0001341453		pH, WasteWatR	250	ml	05/21/2015
0001382350	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	05/21/2015
0001362298	7440-37-1	ARGON, COMPRESSED	220	cf	05/21/2015
0001341455		Low Level Total Residual Chlorine	2	ml	05/21/2015
0001311212		15w40 motor oil	1	qt	05/21/2015
0001311437		MULTI-PURPOSE GREASE	14.1	oz	05/21/2015
0001382349	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	05/21/2015
0001362282	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/21/2015
0001362281	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/21/2015
0001311429		LIQUID NAILS PANEL AND CONSTRUCTION ADHESIVE	10	oz	05/21/2015
0001311428		LIQUID NAILS PANEL AND CONSTRUCTION ADHESIVE	10	oz	05/21/2015
0001382345	1310-73-2	Sodium Hydroxide 25%	3400	lb	05/21/2015
0001382344	1310-73-2	Sodium Hydroxide 25%	3400	lb	05/21/2015
0001382343	1310-73-2	Sodium Hydroxide 25%	3400	lb	05/21/2015
0001311440		MULTI-PURPOSE GREASE	14.1	oz	05/21/2015
0001311439		MULTI-PURPOSE GREASE	14.1	oz	05/21/2015
0001362307		AIR, COMPRESSED	220	cf	05/21/2015
0001311438		MULTI-PURPOSE GREASE	14.1	oz	05/21/2015
0001361862	7782-44-7	OXYGEN, COMPRESSED GAS	220	cf	05/21/2015
0001311435		MULTI-PURPOSE GREASE	14.1	oz	05/21/2015
0001311436		MULTI-PURPOSE GREASE	14.1	oz	05/21/2015
0001341457		RESIDUAL CHLORINE WASTEWATR AND CHLORINE POTABLEWATR	2	ml	05/21/2015
0001311434		MULTI-PURPOSE GREASE	14.1	oz	05/21/2015
0001311433		MULTI-PURPOSE GREASE	14.1	oz	05/21/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001311432		MULTI-PURPOSE GREASE	14.1	oz	05/21/2015
0001311431		MULTI-PURPOSE GREASE	14.1	oz	05/21/2015
0001341465	144-55-8	SODIUM BICARBONATE	1	kg	05/21/2015
0001341464	9005-25-8	THYODENE	100	gm	05/21/2015
0001341463	144-55-8	SODIUM BICARBONATE	1	kg	05/21/2015
0001341462		pH	250	ml	05/21/2015
0001341461		pH	250	ml	05/21/2015
0001341460		RESIDUAL CHLORINE WASTEWATR AND CHLORINE POTABLEWATR	2	ml	05/21/2015
0001341459		RESIDUAL CHLORINE WASTEWATR AND CHLORINE POTABLEWATR	2	ml	05/21/2015
0001341458		RESIDUAL CHLORINE WASTEWATR AND CHLORINE POTABLEWATR	2	ml	05/21/2015
0001341454		pH, WasteWatR	250	ml	05/21/2015
0001311427		LIQUID NAILS PANEL AND CONSTRUCTION ADHESIVE	10	oz	05/21/2015
0001362295	7440-37-1	ARGON, COMPRESSED	220	cf	05/21/2015
0001362306		AIR, COMPRESSED	220	cf	05/21/2015
0001341424	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	05/21/2015
0001341423	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	05/21/2015
0001341422	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	05/21/2015
0001341421	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	05/21/2015
0001362299	7440-37-1	ARGON, COMPRESSED	220	cf	05/21/2015
0001362292	7440-37-1	ARGON, COMPRESSED	220	cf	05/21/2015
0001362300	7440-37-1	ARGON, COMPRESSED	220	cf	05/21/2015
0001311426		LIQUID NAILS PANEL AND CONSTRUCTION ADHESIVE	10	oz	05/21/2015
0001311216		15w40 motor oil	1	qt	05/21/2015
0001311214		15w40 motor oil	1	qt	05/21/2015
0001311213		15w40 motor oil	1	qt	05/21/2015
0001362293	7440-37-1	ARGON, COMPRESSED	220	cf	05/21/2015
0001362294	7440-37-1	ARGON, COMPRESSED	220	cf	05/21/2015
0001341420	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	05/21/2015
0001341432		DRIERITE, INDICATING	454	gm	05/21/2015
0001362289	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/21/2015
0001362290	7440-37-1	ARGON, COMPRESSED	220	cf	05/21/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001341418	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	05/21/2015
0001341417	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	05/21/2015
0001341416	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	05/21/2015
0001341415	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	05/21/2015
0001362291	7440-37-1	ARGON, COMPRESSED	220	cf	05/21/2015
0001362305		AIR, COMPRESSED	220	cf	05/21/2015
0001311215		15w40 motor oil	1	qt	05/21/2015
0001341413	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	05/21/2015
0001362304	7440-37-1	ARGON, COMPRESSED	220	cf	05/21/2015
0001362303	7440-37-1	ARGON, COMPRESSED	220	cf	05/21/2015
0001362302	7440-37-1	ARGON, COMPRESSED	220	cf	05/21/2015
0001362301	7440-37-1	ARGON, COMPRESSED	220	cf	05/21/2015
0001362288	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/21/2015
0001341414	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	05/21/2015
0001382341	1310-73-2	Sodium Hydroxide 25%	3400	lb	05/21/2015
0001341419	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	05/21/2015
0001362296	7440-37-1	ARGON, COMPRESSED	220	cf	05/21/2015
0001382346	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	05/21/2015
0001311425		LIQUID NAILS PANEL AND CONSTRUCTION ADHESIVE	10	oz	05/21/2015
0001362286	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/21/2015
0001362297	7440-37-1	ARGON, COMPRESSED	220	cf	05/21/2015
0001382347	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	05/21/2015
0001382348	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	05/21/2015
001311211		15w40 motor oil	1	qt	05/21/2015
0001362334	74-98-6	PROPANE	11	gal	05/21/2015
0001341433	16219-75-3	5-Ethylidene-2-norbornene	500	ml	05/21/2015
0001362331	7440-59-7	HELIUM	220	cf	05/21/2015
0001362340	74-98-6	PROPANE	5	gal	05/21/2015
0001362287	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/21/2015
0001362339	74-98-6	PROPANE	11	gal	05/21/2015
0001341449	16219-75-3	5-Ethylidene-2-norbornene	500	ml	05/21/2015
0001341450	16219-75-3	5-Ethylidene-2-norbornene	500	ml	05/21/2015
0001341451	16219-75-3	5-Ethylidene-2-norbornene	500	ml	05/21/2015
0001341452	16219-75-3	5-Ethylidene-2-norbornene	500	ml	05/21/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001362335	74-98-6	PROPANE	11	gal	05/21/2015
0001362336	74-98-6	PROPANE	11	gal	05/21/2015
0001341448	16219-75-3	5-Ethylidene-2-norbornene	500	ml	05/21/2015
0001362338	74-98-6	PROPANE	11	gal	05/21/2015
0001341442	16219-75-3	5-Ethylidene-2-norbornene	500	ml	05/21/2015
0001362341	74-98-6	PROPANE	5	gal	05/21/2015
0001362337	74-98-6	PROPANE	11	gal	05/21/2015
0001341447	16219-75-3	5-Ethylidene-2-norbornene	500	ml	05/21/2015
0001341446	16219-75-3	5-Ethylidene-2-norbornene	500	ml	05/21/2015
0001341445	16219-75-3	5-Ethylidene-2-norbornene	500	ml	05/21/2015
0001341443	16219-75-3	5-Ethylidene-2-norbornene	500	ml	05/21/2015
0001341441	16219-75-3	5-Ethylidene-2-norbornene	500	ml	05/21/2015
0001341440	16219-75-3	5-Ethylidene-2-norbornene	500	ml	05/21/2015
0001341439	16219-75-3	5-Ethylidene-2-norbornene	500	ml	05/21/2015
0001382342	1310-73-2	Sodium Hydroxide 25%	3400	lb	05/21/2015
0001341434	16219-75-3	5-Ethylidene-2-norbornene	500	ml	05/21/2015
0001341437	16219-75-3	5-Ethylidene-2-norbornene	500	ml	05/21/2015
0001341438	16219-75-3	5-Ethylidene-2-norbornene	500	ml	05/21/2015
0001341444	16219-75-3	5-Ethylidene-2-norbornene	500	ml	05/21/2015
0001362275	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/21/2015
0001362316		P-10 (90% ARGON 10% METHANE)	220	cf	05/21/2015
0001362285	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/21/2015
0001362284	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/21/2015
0001362283	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/21/2015
0001362280	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/21/2015
0001362279	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/21/2015
0001362278	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/21/2015
0001362320		P-10 (90% ARGON 10% METHANE)	220	cf	05/21/2015
0001362276	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/21/2015
0001362321		P-10 (90% ARGON 10% METHANE)	220	cf	05/21/2015
0001362274	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/21/2015
0001362273	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/21/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001362272	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/21/2015
0001362271	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/21/2015
0001362319		P-10 (90% ARGON 10% METHANE)	220	cf	05/21/2015
0001362318		P-10 (90% ARGON 10% METHANE)	220	cf	05/21/2015
0001362317		P-10 (90% ARGON 10% METHANE)	220	cf	05/21/2015
0001362277	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/21/2015
0001341425	1336-21-6	AMMONIUM HYDROXIDE	500	ml	05/21/2015
0001341426	1336-21-6	AMMONIUM HYDROXIDE	500	ml	05/21/2015
0001341427	1336-21-6	AMMONIUM HYDROXIDE	500	ml	05/21/2015
0001341428	1336-21-6	AMMONIUM HYDROXIDE	500	ml	05/21/2015
0001341429	1336-21-6	AMMONIUM HYDROXIDE	500	ml	05/21/2015
0001341430	1336-21-6	AMMONIUM HYDROXIDE	500	ml	05/21/2015
0001341431		FORMULA 60	5	gal	05/21/2015
0001362332	7440-59-7	HELIUM	220	cf	05/21/2015
0001341436	16219-75-3	5-Ethylidene-2-norbornene	500	ml	05/21/2015
0001341435	16219-75-3	5-Ethylidene-2-norbornene	500	ml	05/21/2015
0001362328		P-10 (90% ARGON 10% METHANE)	220	cf	05/21/2015
0001362329		P-10 (90% ARGON 10% METHANE)	220	cf	05/21/2015
0001362327		P-10 (90% ARGON 10% METHANE)	220	cf	05/21/2015
0001362326		P-10 (90% ARGON 10% METHANE)	220	cf	05/21/2015
0001362325		P-10 (90% ARGON 10% METHANE)	220	cf	05/21/2015
0001362324		P-10 (90% ARGON 10% METHANE)	220	cf	05/21/2015
0001362323		P-10 (90% ARGON 10% METHANE)	220	cf	05/21/2015
0001362322		P-10 (90% ARGON 10% METHANE)	220	cf	05/21/2015
0001362333	7440-59-7	HELIUM	220	cf	05/21/2015
0001362263	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/21/2015
0001362262	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/21/2015
0001341410	67-56-1	METHANOL	4	l	05/21/2015
0001341411	67-56-1	METHANOL	4	l	05/21/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001362315		AIR, COMPRESSED	220	cf	05/21/2015
0001341412	67-56-1	METHANOL	4	l	05/21/2015
0001362330		P-10 (90% ARGON 10% METHANE)	220	cf	05/21/2015
0001362260	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/21/2015
0001341334		VACUUM PUMP OIL	1	l	05/21/2015
0001362264	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/21/2015
0001362265	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/21/2015
0001362311		AIR, COMPRESSED	220	cf	05/21/2015
0001362314		AIR, COMPRESSED	220	cf	05/21/2015
0001362261	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/21/2015
0001362312		AIR, COMPRESSED	220	cf	05/21/2015
0001362266	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/21/2015
0001362310		AIR, COMPRESSED	220	cf	05/21/2015
0001362309		AIR, COMPRESSED	220	cf	05/21/2015
0001362270	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/21/2015
0001362269	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/21/2015
0001362268	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/21/2015
0001362267	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/21/2015
0001362313		AIR, COMPRESSED	220	cf	05/21/2015
0001388972		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388848		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388849		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388850		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388851		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388894		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388852		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388853		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388828		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388827		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388971		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388925		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388924		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388923		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388892		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388830		VULKEM 116 WHITE	10.1	oz	05/22/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001388951		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388926		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388836		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388847		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388961		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388962		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388963		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388840		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388839		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388960		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388837		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388964		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388835		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388834		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388833		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388891		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388890		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388888		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388838		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388842		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388889		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388831		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388956		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388832		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388846		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388845		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388941		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388843		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388893		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388841		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388866		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388867		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388957		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388958		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388959		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388844		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388773		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388860		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388826		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388825		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388824		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388823		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388822		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388942		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388820		VULKEM 116 WHITE	10.1	oz	05/22/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001388772		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388774		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388775		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388859		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388858		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388857		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388856		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388855		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388821		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388766		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388805		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388871		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388765		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388763		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388764		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388969		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388788		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388861		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388864		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388862		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388767		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388768		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388769		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388863		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388770		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388771		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388779		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388865		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388946		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388854		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388930		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388929		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388928		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388927		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388776		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388943		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388932		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388945		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388787		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388947		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388948		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388949		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388950		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388968		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388967		VULKEM 116 WHITE	10.1	oz	05/22/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001388966		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388944		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388935		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388965		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388780		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388781		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388782		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388783		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388784		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388777		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388931		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388934		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388778		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388936		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388785		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388786		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388937		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388938		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388939		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388940		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388933		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388884		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388895		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388907		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388906		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388905		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388904		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388903		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388970		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388887		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388793		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388885		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388870		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388883		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388882		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388881		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388880		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388879		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388878		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388789		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388800		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388886		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388954		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388790		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388909		VULKEM 116 WHITE	10.1	oz	05/22/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001388910		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388911		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388912		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388913		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388791		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388792		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388908		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388953		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388799		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388955		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388922		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388921		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388829		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388920		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388811		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388919		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388918		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388952		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388815		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388801		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388902		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388901		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388869		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388868		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388794		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388900		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388899		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388795		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388898		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388873		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388814		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388813		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388812		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388817		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388818		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388819		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388897		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388896		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388816		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388916		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388802		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388803		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388804		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388807		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388808		VULKEM 116 WHITE	10.1	oz	05/22/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001388809		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388798		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388810		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388872		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388915		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388806		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388917		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388797		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388796		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388877		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388876		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388875		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388874		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388914		VULKEM 116 WHITE	10.1	oz	05/22/2015
0001388982		SILICONE II	10.1	oz	05/26/2015
0001388980		SILICONE II	10.1	oz	05/26/2015
0001388981		SILICONE II	10.1	oz	05/26/2015
0001341378	112-55-0	1-DODECANETHIOL	100	ml	05/26/2015
0001341371	8042-47-5	MINERAL OIL	5	ml	05/26/2015
0001362346	7440-37-1	ARGON, COMPRESSED	220	cf	05/26/2015
0001362347	7440-37-1	ARGON, COMPRESSED	220	cf	05/26/2015
0001341372	90-33-5	COUMARIN 4: (4-METHYLUMBELLIFERONE)	25	gm	05/26/2015
0001362348	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	05/26/2015
0001341373		STREPTAVIDIN,ALEXA FLUOR 488 CONJUGATE	1	mg	05/26/2015
0001341374		STREPTAVIDIN,ALEXA FLUOR 488 CONJUGATE	1	mg	05/26/2015
0001341375		STREPTAVIDIN,ALEXA FLUOR 488 CONJUGATE	1	mg	05/26/2015
0001341376		STREPTAVIDIN,ALEXA FLUOR 488 CONJUGATE	1	mg	05/26/2015
0001341315		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/26/2015
0001341377	112-55-0	1-DODECANETHIOL	100	ml	05/26/2015
0001341605		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341592		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341593		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001388710		fast setting cement	60	lb	05/26/2015
0001388711		fast setting cement	60	lb	05/26/2015
0001388712		fast setting cement	60	lb	05/26/2015
0001388713		fast setting cement	60	lb	05/26/2015
0001388714		fast setting cement	60	lb	05/26/2015
0001388715		fast setting cement	60	lb	05/26/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001388716		fast setting cement	60	lb	05/26/2015
0001388717		fast setting cement	60	lb	05/26/2015
0001362349	124-38-9	CARBON DIOXIDE, GAS	220	cf	05/26/2015
0001341318		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/26/2015
0001341630		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341369	2475-45-8	DISPERSE BLUE 1	5	gm	05/26/2015
0001362344		R-410A	25	lb	05/26/2015
0001362343		R-410A	25	lb	05/26/2015
0001362342		R-410A	25	lb	05/26/2015
0001341368	1763-23-1	Heptadecafluorooctanesulfonic acid solution	10	ml	05/26/2015
0001341367		SILVER CONDUCTIVE EPOXY	14	gm	05/26/2015
0001341366	7697-37-2	NITRIC ACID OPTIMA	2	l	05/26/2015
0001341365	7697-37-2	NITRIC ACID OPTIMA	2	l	05/26/2015
0001341364	7697-37-2	NITRIC ACID OPTIMA	2	l	05/26/2015
0001341607		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341319		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/26/2015
0001341606		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341317		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/26/2015
0001341316		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/26/2015
0001341314		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/26/2015
0001389249		SPRAY PAINT	12	oz	05/26/2015
0001341313		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/26/2015
0001341312		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/26/2015
0001341311		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/26/2015
0001362345	7440-37-1	ARGON, COMPRESSED	220	cf	05/26/2015
0001341370	8042-47-5	MINERAL OIL	5	ml	05/26/2015
0001341631		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341320		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/26/2015
0001389013		SILICONE II	10.1	oz	05/26/2015
0001341155		NITRITE STANDARD	500	ml	05/26/2015
0001341156		PHOSPHATE STANDARD	500	ml	05/26/2015
0001341362	82494-09-5	n-DECYL-?-D-MALTOPYRANOSIDE	25	gm	05/26/2015
0001389001		SILICONE II	10.1	oz	05/26/2015
0001389253		SPRAY PAINT	12	oz	05/26/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001389252		SPRAY PAINT	12	oz	05/26/2015
0001389006		SILICONE II	10.1	oz	05/26/2015
0001389014		SILICONE II	10.1	oz	05/26/2015
0001389258		SPRAY PAINT	12	oz	05/26/2015
0001389012		SILICONE II	10.1	oz	05/26/2015
0001389011		SILICONE II	10.1	oz	05/26/2015
0001389010		SILICONE II	10.1	oz	05/26/2015
0001389009		SILICONE II	10.1	oz	05/26/2015
0001389008		SILICONE II	10.1	oz	05/26/2015
0001389247		SPRAY PAINT	12	oz	05/26/2015
0001389015		SILICONE II	10.1	oz	05/26/2015
0001389018		SILICONE II	10.1	oz	05/26/2015
0001389026		SILICONE II	10.1	oz	05/26/2015
0001389025		SILICONE II	10.1	oz	05/26/2015
0001389024		SILICONE II	10.1	oz	05/26/2015
0001389023		SILICONE II	10.1	oz	05/26/2015
0001389022		SILICONE II	10.1	oz	05/26/2015
0001389021		SILICONE II	10.1	oz	05/26/2015
0001341154	7631-99-4	NITRATE STANDARD	500	ml	05/26/2015
0001389019		SILICONE II	10.1	oz	05/26/2015
0001389259		SPRAY PAINT	12	oz	05/26/2015
0001389017		SILICONE II	10.1	oz	05/26/2015
0001389016		SILICONE II	10.1	oz	05/26/2015
0001389254		SPRAY PAINT	12	oz	05/26/2015
0001389255		SPRAY PAINT	12	oz	05/26/2015
0001389256		SPRAY PAINT	12	oz	05/26/2015
0001389257		SPRAY PAINT	12	oz	05/26/2015
0001389005		SILICONE II	10.1	oz	05/26/2015
0001389020		SILICONE II	10.1	oz	05/26/2015
0001389244		SPRAY PAINT	12	oz	05/26/2015
0001389251		SPRAY PAINT	12	oz	05/26/2015
0001341582		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001389250		SPRAY PAINT	12	oz	05/26/2015
0001341627		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001389248		SPRAY PAINT	12	oz	05/26/2015
0001388718		fast setting cement	60	lb	05/26/2015
0001389007		SILICONE II	10.1	oz	05/26/2015
0001389245		SPRAY PAINT	12	oz	05/26/2015
0001292144		BLASOCUT 2000	5	gal	05/26/2015
0001388989		SILICONE II	10.1	oz	05/26/2015
0001388988		SILICONE II	10.1	oz	05/26/2015
0001388987		SILICONE II	10.1	oz	05/26/2015
0001388986		SILICONE II	10.1	oz	05/26/2015
0001388985		SILICONE II	10.1	oz	05/26/2015
0001388984		SILICONE II	10.1	oz	05/26/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001389246		SPRAY PAINT	12	oz	05/26/2015
0001341470	60-29-7	DIETHYL ETHER	1	l	05/26/2015
0001389004		SILICONE II	10.1	oz	05/26/2015
0001389003		SILICONE II	10.1	oz	05/26/2015
0001389002		SILICONE II	10.1	oz	05/26/2015
0001341363	1643-20-5	N,N-DIMETHYLDODECYLAMINE N-OXIDE	250	ml	05/26/2015
0001341466	36016-38-3	N-Boc-hydroxylamine	25	gm	05/26/2015
0001341467	60-29-7	DIETHYL ETHER	1	l	05/26/2015
0001280535		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	10.1	oz	05/26/2015
0001341469	60-29-7	DIETHYL ETHER	1	l	05/26/2015
0001388703		fast setting cement	60	lb	05/26/2015
0001341471	67-56-1	METHANOL	4	l	05/26/2015
0001341472	67-56-1	METHANOL	4	l	05/26/2015
0001341473	67-56-1	METHANOL	4	l	05/26/2015
0001341474	67-56-1	METHANOL	4	l	05/26/2015
0001341475	328-74-5	3,5-BIS(TRIFLUOROMETHYL)ANILINE	50	ml	05/26/2015
0001292143		BLASOCUT 2000	5	gal	05/26/2015
0001388983		SILICONE II	10.1	oz	05/26/2015
0001341468	60-29-7	DIETHYL ETHER	1	l	05/26/2015
0001388758		fast setting cement	60	lb	05/26/2015
0001341625		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341477		Pierce LAL Chromogenic Endotoxin Quantitation Kit	50	mg	05/26/2015
0001311280		193 GLOSS BLACK CHASSIS & GRILLE GUARD PAINT	12	oz	05/26/2015
0001341476		QC-19 STANDARD	100	ml	05/26/2015
0001388762		fast setting cement	60	lb	05/26/2015
0001388761		fast setting cement	60	lb	05/26/2015
0001341479		RECOMBINANT PROTEIN ANTIGEN	20	ugm	05/26/2015
0001388759		fast setting cement	60	lb	05/26/2015
0001341480		RECOMBINANT PROTEIN ANTIGEN	20	ugm	05/26/2015
0001388756		fast setting cement	60	lb	05/26/2015
0001388755		fast setting cement	60	lb	05/26/2015
0001388754		fast setting cement	60	lb	05/26/2015
0001388753		fast setting cement	60	lb	05/26/2015
0001388752		fast setting cement	60	lb	05/26/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001388751		fast setting cement	60	lb	05/26/2015
0001388760		fast setting cement	60	lb	05/26/2015
0001341692	67-63-0	2-PROPANOL	1	l	05/26/2015
0001388994		SILICONE II	10.1	oz	05/26/2015
0001388993		SILICONE II	10.1	oz	05/26/2015
0001388992		SILICONE II	10.1	oz	05/26/2015
0001388991		SILICONE II	10.1	oz	05/26/2015
0001341632		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341400		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/26/2015
0001341478		Pierce LAL Chromogenic Endotoxin Quantitation Kit	50	mg	05/26/2015
0001388974		LIGHTWEIGHT SETTING TYPE JOINT COMPOUND - EASY SAND 20	18	lb	05/26/2015
0001388748		fast setting cement	60	lb	05/26/2015
0001341691	64-17-5	ETHYL ALCOHOL	500	ml	05/26/2015
0001334984	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	05/26/2015
0001334983	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	05/26/2015
0001334982	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	05/26/2015
0001334979	7732-18-5	Hydrochloric Acid 30-31%	3000	lb	05/26/2015
0001341481		RECOMBINANT PROTEIN ANTIGEN	20	ugm	05/26/2015
0001388975		LIGHTWEIGHT SETTING TYPE JOINT COMPOUND - EASY SAND 20	18	lb	05/26/2015
0001341599		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341292		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/26/2015
0001341291		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/26/2015
0001341290		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/26/2015
0001341289		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/26/2015
0001388757		fast setting cement	60	lb	05/26/2015
0001341596		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001388750		fast setting cement	60	lb	05/26/2015
0001341598		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341306		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/26/2015
0001341600		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341601		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341602		ANGSTROM BOND AB9110	2.5	gm	05/26/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001341150		ION CHROMATOGRAPHY BROMIDE STANDARD	500	ml	05/26/2015
0001341151	7647-14-5	CHLORIDE STANDARD	500	ml	05/26/2015
0001341152	7681-49-4	FLUORIDE STANDARD SOLUTION	500	ml	05/26/2015
0001341597		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341299		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/26/2015
0001388990		SILICONE II	10.1	oz	05/26/2015
0001388747		fast setting cement	60	lb	05/26/2015
0001388746		fast setting cement	60	lb	05/26/2015
0001341296		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/26/2015
0001341295		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/26/2015
0001341294		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/26/2015
0001341293		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/26/2015
0001341298		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/26/2015
0001341307		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/26/2015
0001341300		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/26/2015
0001341301		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/26/2015
0001341302		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/26/2015
0001341303		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/26/2015
0001341304		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/26/2015
0001341305		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/26/2015
0001388749		fast setting cement	60	lb	05/26/2015
0001341297		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/26/2015
0001341621		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341379	75-05-8	ACETONITRILE	1	l	05/26/2015
0001341614		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341615		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341616		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341617		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341618		ANGSTROM BOND AB9110	2.5	gm	05/26/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001362350		P-10 (90% ARGON 10% METHANE)	220	cf	05/26/2015
0001341620		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341611		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341622		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341623		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341624		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341626		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341628		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001388995		SILICONE II	10.1	oz	05/26/2015
0001341619		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001388728		fast setting cement	60	lb	05/26/2015
0001388720		fast setting cement	60	lb	05/26/2015
0001388721		fast setting cement	60	lb	05/26/2015
0001388722		fast setting cement	60	lb	05/26/2015
0001388723		fast setting cement	60	lb	05/26/2015
0001388724		fast setting cement	60	lb	05/26/2015
0001388725		fast setting cement	60	lb	05/26/2015
0001341613		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001388727		fast setting cement	60	lb	05/26/2015
0001341612		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001388729		fast setting cement	60	lb	05/26/2015
0001388730		fast setting cement	60	lb	05/26/2015
0001388731		fast setting cement	60	lb	05/26/2015
0001341608		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341609		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341610		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001388732		fast setting cement	60	lb	05/26/2015
0001388726		fast setting cement	60	lb	05/26/2015
0001341406		Graphene oxide	1	gm	05/26/2015
0001341153	12125-02-9	AMMONIUM STANDARD SOLUTION (1 MG/ML AMMONIUM)	500	ml	05/26/2015
0001341603		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341604		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001389000		SILICONE II	10.1	oz	05/26/2015
0001388999		SILICONE II	10.1	oz	05/26/2015
0001388998		SILICONE II	10.1	oz	05/26/2015
0001341629		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341594		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341309		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/26/2015
0001341405		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/26/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001341404		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/26/2015
0001341403		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/26/2015
0001341402		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/26/2015
0001341401		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/26/2015
0001388719		fast setting cement	60	lb	05/26/2015
0001388997		SILICONE II	10.1	oz	05/26/2015
0001388740		fast setting cement	60	lb	05/26/2015
0001388733		fast setting cement	60	lb	05/26/2015
0001388734		fast setting cement	60	lb	05/26/2015
0001388735		fast setting cement	60	lb	05/26/2015
0001388736		fast setting cement	60	lb	05/26/2015
0001388737		fast setting cement	60	lb	05/26/2015
0001388738		fast setting cement	60	lb	05/26/2015
0001341595		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001388739		fast setting cement	60	lb	05/26/2015
0001341308		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/26/2015
0001388741		fast setting cement	60	lb	05/26/2015
0001388742		fast setting cement	60	lb	05/26/2015
0001388743		fast setting cement	60	lb	05/26/2015
0001388744		fast setting cement	60	lb	05/26/2015
0001388745		fast setting cement	60	lb	05/26/2015
0001341310		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/26/2015
0001388996		SILICONE II	10.1	oz	05/26/2015
0001341380	75-05-8	ACETONITRILE	1	l	05/26/2015
0001389205		SILICONE II	10.1	oz	05/26/2015
0001389079		SILICONE II	10.1	oz	05/26/2015
0001389196		SILICONE II	10.1	oz	05/26/2015
0001389197		SILICONE II	10.1	oz	05/26/2015
0001389198		SILICONE II	10.1	oz	05/26/2015
0001389199		SILICONE II	10.1	oz	05/26/2015
0001389200		SILICONE II	10.1	oz	05/26/2015
0001389201		SILICONE II	10.1	oz	05/26/2015
0001389202		SILICONE II	10.1	oz	05/26/2015
0001389194		SILICONE II	10.1	oz	05/26/2015
0001389204		SILICONE II	10.1	oz	05/26/2015
0001389193		SILICONE II	10.1	oz	05/26/2015
0001389206		SILICONE II	10.1	oz	05/26/2015
0001389207		SILICONE II	10.1	oz	05/26/2015
0001389208		SILICONE II	10.1	oz	05/26/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001389209		SILICONE II	10.1	oz	05/26/2015
0001389210		SILICONE II	10.1	oz	05/26/2015
0001389211		SILICONE II	10.1	oz	05/26/2015
0001389212		SILICONE II	10.1	oz	05/26/2015
0001389213		SILICONE II	10.1	oz	05/26/2015
0001389214		SILICONE II	10.1	oz	05/26/2015
0001389203		SILICONE II	10.1	oz	05/26/2015
0001341671		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341562		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001389076		SILICONE II	10.1	oz	05/26/2015
0001389075		SILICONE II	10.1	oz	05/26/2015
0001389074		SILICONE II	10.1	oz	05/26/2015
0001341388		NAFION	25	ml	05/26/2015
0001362356	76-16-4	HEXAFLUOROETHANE	220	cf	05/26/2015
0001341675		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341674		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001389195		SILICONE II	10.1	oz	05/26/2015
0001341672		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001389217		SILICONE II	10.1	oz	05/26/2015
0001341670		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341669		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001389191		SILICONE II	10.1	oz	05/26/2015
0001341553		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341554		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341555		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341556		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341557		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001389192		SILICONE II	10.1	oz	05/26/2015
0001341673		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001389175		SILICONE II	10.1	oz	05/26/2015
0001341381	75-05-8	ACETONITRILE	1	l	05/26/2015
0001334985	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	05/26/2015
0001341285		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/26/2015
0001341286		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/26/2015
0001341287		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/26/2015
0001341288		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/26/2015
0001341558		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341559		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001389215		SILICONE II	10.1	oz	05/26/2015
0001389174		SILICONE II	10.1	oz	05/26/2015
0001341384	7664-93-9	SULFURIC ACID	1	l	05/26/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001389176		SILICONE II	10.1	oz	05/26/2015
0001389177		SILICONE II	10.1	oz	05/26/2015
0001389229		SPRAY PAINT	12	oz	05/26/2015
0001389230		SPRAY PAINT	12	oz	05/26/2015
0001389231		SPRAY PAINT	12	oz	05/26/2015
0001389232		SPRAY PAINT	12	oz	05/26/2015
0001389233		SPRAY PAINT	12	oz	05/26/2015
0001341560		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341561		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001389173		SILICONE II	10.1	oz	05/26/2015
0001341487	76-84-6	TRIPHENYLMETHANOL	50	gm	05/26/2015
0001389080		SILICONE II	10.1	oz	05/26/2015
0001389218		SILICONE II	10.1	oz	05/26/2015
0001389219		SILICONE II	10.1	oz	05/26/2015
0001389220		SILICONE II	10.1	oz	05/26/2015
0001389221		SILICONE II	10.1	oz	05/26/2015
0001389222		SILICONE II	10.1	oz	05/26/2015
0001389223		SILICONE II	10.1	oz	05/26/2015
0001389224		SILICONE II	10.1	oz	05/26/2015
0001389226		SILICONE II	10.1	oz	05/26/2015
0001341382	7664-93-9	SULFURIC ACID	1	l	05/26/2015
0001341488	3695-77-0	TRIPHENYLMETHANETHIOL	5	gm	05/26/2015
0001341383	7664-93-9	SULFURIC ACID	1	l	05/26/2015
0001341486	673-32-5	1-PHENYL-1-PROPYNE	5	gm	05/26/2015
0001341485	259-79-0	Biphenylene	100	mg	05/26/2015
0001341484	50-99-7	D-[+]-GLUCOSE	1	kg	05/26/2015
0001341483	50-99-7	D-[+]-GLUCOSE	1	kg	05/26/2015
0001341482	50-99-7	D-[+]-GLUCOSE	1	kg	05/26/2015
0001341387	7664-93-9	SULFURIC ACID	1	l	05/26/2015
0001341386	7664-93-9	SULFURIC ACID	1	l	05/26/2015
0001341385	7664-93-9	SULFURIC ACID	1	l	05/26/2015
0001389216		SILICONE II	10.1	oz	05/26/2015
0001389264		TPO LV SINGLE PLY BONDING ADHESIVE	5	gal	05/26/2015
0001341494	639-58-7	TRIPHENYLTIN CHLORIDE	250	mg	05/26/2015
0001389078		SILICONE II	10.1	oz	05/26/2015
0001389102		SILICONE II	10.1	oz	05/26/2015
0001389101		SILICONE II	10.1	oz	05/26/2015
0001389100		SILICONE II	10.1	oz	05/26/2015
0001389099		SILICONE II	10.1	oz	05/26/2015
0001389098		SILICONE II	10.1	oz	05/26/2015
0001389097		SILICONE II	10.1	oz	05/26/2015
0001362352	74-86-2	ACETYLENE	40	cf	05/26/2015
0001341516	10101-63-0	LEAD(II) IODIDE	100	gm	05/26/2015
0001362351	74-86-2	ACETYLENE	40	cf	05/26/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001341694	7791-25-5	SULFURYL CHLORIDE	1	l	05/26/2015
0001341493	639-58-7	TRIPHENYLTIN CHLORIDE	250	mg	05/26/2015
0001389096		SILICONE II	10.1	oz	05/26/2015
0001389095		SILICONE II	10.1	oz	05/26/2015
0001389094		SILICONE II	10.1	oz	05/26/2015
0001389093		SILICONE II	10.1	oz	05/26/2015
0001389092		SILICONE II	10.1	oz	05/26/2015
0001389091		SILICONE II	10.1	oz	05/26/2015
0001389090		SILICONE II	10.1	oz	05/26/2015
0001389089		SILICONE II	10.1	oz	05/26/2015
0001341684	5743-04-4	CADMIUM ACETATE DIHYDRATE	100	gm	05/26/2015
0001389190		SILICONE II	10.1	oz	05/26/2015
0001341584		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001389188		SILICONE II	10.1	oz	05/26/2015
0001389187		SILICONE II	10.1	oz	05/26/2015
0001389186		SILICONE II	10.1	oz	05/26/2015
0001389185		SILICONE II	10.1	oz	05/26/2015
0001389184		SILICONE II	10.1	oz	05/26/2015
0001389183		SILICONE II	10.1	oz	05/26/2015
0001389182		SILICONE II	10.1	oz	05/26/2015
0001389103		SILICONE II	10.1	oz	05/26/2015
0001389189		SILICONE II	10.1	oz	05/26/2015
0001389086		SILICONE II	10.1	oz	05/26/2015
0001341497	7757-82-6	SODIUM SULFATE, ANHYDROUS	1	kg	05/26/2015
0001362353	74-86-2	ACETYLENE	10	cf	05/26/2015
0001341496	7487-88-9	MAGNESIUM SULFATE, ANHYDROUS	500	gm	05/26/2015
0001341495	7487-88-9	MAGNESIUM SULFATE, ANHYDROUS	500	gm	05/26/2015
0001389180		SILICONE II	10.1	oz	05/26/2015
0001389179		SILICONE II	10.1	oz	05/26/2015
0001389178		SILICONE II	10.1	oz	05/26/2015
0001389228		SPRAY PAINT	12	oz	05/26/2015
0001341703	206986-87-0	SODIUM CHOLATE HYDRATE	100	gm	05/26/2015
0001389181		SILICONE II	10.1	oz	05/26/2015
0001341393	26621-44-3	3-Nitropyrizol	25	gm	05/26/2015
0001341490	1461-22-9	TRIBUTYLTIN CHLORIDE	5	gm	05/26/2015
0001341489	1983-10-4	TRIBUTYLTIN FLUORIDE	25	gm	05/26/2015
0001341677		DC 1200 PRIMER	13.5	oz	05/26/2015
0001341676		DC 1200 PRIMER	13.5	oz	05/26/2015
0001341399	2037-26-5	TOLUENE-D8	25	ml	05/26/2015
0001341398	2037-26-5	TOLUENE-D8	25	ml	05/26/2015
0001341397	2037-26-5	TOLUENE-D8	25	ml	05/26/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001341396	2037-26-5	TOLUENE-D8	25	ml	05/26/2015
0001389088		SILICONE II	10.1	oz	05/26/2015
0001341394	69011-20-7	AG 50W-X8 RESIN	50	gm	05/26/2015
0001341513	4235-95-4	1,2-DIOLEOYL-SN-GLYCERO-3-PHOSPHOCHOLINE, LYOPHILIZED	25	mg	05/26/2015
0001341392		NAFION	25	ml	05/26/2015
0001341391		NAFION	25	ml	05/26/2015
0001341390		NAFION	25	ml	05/26/2015
0001341389		NAFION	25	ml	05/26/2015
0001341551		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341552		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001389083		SILICONE II	10.1	oz	05/26/2015
0001389082		SILICONE II	10.1	oz	05/26/2015
0001389081		SILICONE II	10.1	oz	05/26/2015
0001341395	69011-20-7	AG 50W-X8 RESIN	50	gm	05/26/2015
0001341504		ALEXA FLUOR 647 CARBOXYLIC ACID	10	gm	05/26/2015
0001389227		SILICONE II	10.1	oz	05/26/2015
0001389085		SILICONE II	10.1	oz	05/26/2015
0001389084		SILICONE II	10.1	oz	05/26/2015
0001362354		P-10 (90% ARGON 10% METHANE)	220	cf	05/26/2015
0001362355		P-10 (90% ARGON 10% METHANE)	220	cf	05/26/2015
0001341498	37199-66-9	POTASSIUM POLYSULFIDE	250	gm	05/26/2015
0001341499	37199-66-9	POTASSIUM POLYSULFIDE	250	gm	05/26/2015
0001341500	7775-14-6	SODIUM HYDROSULFITE	100	gm	05/26/2015
0001341501	7775-14-6	SODIUM HYDROSULFITE	100	gm	05/26/2015
0001341491	639-58-7	TRIPHENYLTIN CHLORIDE	250	mg	05/26/2015
0001341503		Anti-Lipopolysaccharide / LPS Antibody	1000	ul	05/26/2015
0001341492	639-58-7	TRIPHENYLTIN CHLORIDE	250	mg	05/26/2015
0001341505	4731-53-7	TRIOCTYLPHOSPHINE	500	ml	05/26/2015
0001341506	4235-95-4	1,2-DIOLEOYL-SN-GLYCERO-3-PHOSPHOCHOLINE, LYOPHILIZED	25	mg	05/26/2015
0001341507	4235-95-4	1,2-DIOLEOYL-SN-GLYCERO-3-PHOSPHOCHOLINE, LYOPHILIZED	25	mg	05/26/2015
0001341508	4235-95-4	1,2-DIOLEOYL-SN-GLYCERO-3-PHOSPHOCHOLINE, LYOPHILIZED	25	mg	05/26/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001341509	4235-95-4	1,2-DIOLEOYL-SN-GLYCERO-3-PHOSPHOCHOLINE, LYOPHILIZED	25	mg	05/26/2015
0001341510	4235-95-4	1,2-DIOLEOYL-SN-GLYCERO-3-PHOSPHOCHOLINE, LYOPHILIZED	25	mg	05/26/2015
0001341511	4235-95-4	1,2-DIOLEOYL-SN-GLYCERO-3-PHOSPHOCHOLINE, LYOPHILIZED	25	mg	05/26/2015
0001341512	4235-95-4	1,2-DIOLEOYL-SN-GLYCERO-3-PHOSPHOCHOLINE, LYOPHILIZED	25	mg	05/26/2015
0001389087		SILICONE II	10.1	oz	05/26/2015
0001341502	7775-14-6	SODIUM HYDROSULFITE	100	gm	05/26/2015
0001389065		SILICONE II	10.1	oz	05/26/2015
0001389242		SPRAY PAINT	12	oz	05/26/2015
0001389054		SILICONE II	10.1	oz	05/26/2015
0001389055		SILICONE II	10.1	oz	05/26/2015
0001389056		SILICONE II	10.1	oz	05/26/2015
0001389057		SILICONE II	10.1	oz	05/26/2015
0001389058		SILICONE II	10.1	oz	05/26/2015
0001389059		SILICONE II	10.1	oz	05/26/2015
0001389060		SILICONE II	10.1	oz	05/26/2015
0001389061		SILICONE II	10.1	oz	05/26/2015
0001389062		SILICONE II	10.1	oz	05/26/2015
0001389052		SILICONE II	10.1	oz	05/26/2015
0001389064		SILICONE II	10.1	oz	05/26/2015
0001389051		SILICONE II	10.1	oz	05/26/2015
0001341574		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341575		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341576		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341577		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341578		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341579		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341580		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341581		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001389044		SILICONE II	10.1	oz	05/26/2015
0001341583		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001389063		SILICONE II	10.1	oz	05/26/2015
0001389042		SILICONE II	10.1	oz	05/26/2015
0001389071		SILICONE II	10.1	oz	05/26/2015
0001389037		SILICONE II	10.1	oz	05/26/2015
0001389038		SILICONE II	10.1	oz	05/26/2015
0001389039		SILICONE II	10.1	oz	05/26/2015
0001389040		SILICONE II	10.1	oz	05/26/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001280539		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	10.1	oz	05/26/2015
0001280538		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	10.1	oz	05/26/2015
0001389046		SILICONE II	10.1	oz	05/26/2015
0001389047		SILICONE II	10.1	oz	05/26/2015
0001280537		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	10.1	oz	05/26/2015
0001389053		SILICONE II	10.1	oz	05/26/2015
0001389041		SILICONE II	10.1	oz	05/26/2015
0001341587		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001389043		SILICONE II	10.1	oz	05/26/2015
0001341570		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341571		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341572		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341573		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341563		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001389048		SILICONE II	10.1	oz	05/26/2015
0001389225		SILICONE II	10.1	oz	05/26/2015
0001389049		SILICONE II	10.1	oz	05/26/2015
0001389050		SILICONE II	10.1	oz	05/26/2015
0001280536		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	10.1	oz	05/26/2015
0001341640		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341652		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341651		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341650		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341649		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341648		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341647		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341646		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341645		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341644		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341643		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341585		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341641		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341655		ANGSTROM BOND AB9110	2.5	gm	05/26/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001341639		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341638		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341637		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341636		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341635		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341634		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341633		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001389045		SILICONE II	10.1	oz	05/26/2015
0001389073		SILICONE II	10.1	oz	05/26/2015
0001389072		SILICONE II	10.1	oz	05/26/2015
0001341642		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341661		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001389241		SPRAY PAINT	12	oz	05/26/2015
0001341588		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341589		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341590		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341591		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341668		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341667		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341666		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341665		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341664		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341653		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341662		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341654		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341660		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341659		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001389066		SILICONE II	10.1	oz	05/26/2015
0001389067		SILICONE II	10.1	oz	05/26/2015
0001389068		SILICONE II	10.1	oz	05/26/2015
0001389069		SILICONE II	10.1	oz	05/26/2015
0001389070		SILICONE II	10.1	oz	05/26/2015
0001341658		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341657		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341656		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341586		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341663		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001389028		SILICONE II	10.1	oz	05/26/2015
0001389036		SILICONE II	10.1	oz	05/26/2015
0001341704	329-98-6	PHENYLMETHYL SULFONYL FLUORIDE	25	gm	05/26/2015
0001341515	1330-20-7	XYLENES	1	l	05/26/2015
0001341514	7631-90-5	SODIUM BISULFITE	500	gm	05/26/2015
0001341693	67-64-1	ACETONE	1	l	05/26/2015
0001341690	128-09-6	N-CHLOROSUCCINIMIDE	100	gm	05/26/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001388978		SILICONE II	10.1	oz	05/26/2015
0001389027		SILICONE II	10.1	oz	05/26/2015
0001388979		SILICONE II	10.1	oz	05/26/2015
0001389029		SILICONE II	10.1	oz	05/26/2015
0001389030		SILICONE II	10.1	oz	05/26/2015
0001389031		SILICONE II	10.1	oz	05/26/2015
0001388709		fast setting cement	60	lb	05/26/2015
0001389033		SILICONE II	10.1	oz	05/26/2015
0001389035		SILICONE II	10.1	oz	05/26/2015
0001341678		DC 1200 PRIMER	13.5	oz	05/26/2015
0001341682	20624-25-3	SODIUM DIETHYLDITHIOCARBAMATE TRIHYDRATE	100	gm	05/26/2015
0001388708		fast setting cement	60	lb	05/26/2015
0001388707		fast setting cement	60	lb	05/26/2015
0001388706		fast setting cement	60	lb	05/26/2015
0001388705		fast setting cement	60	lb	05/26/2015
0001388704		fast setting cement	60	lb	05/26/2015
0001341679		Lauryl Maltose Neopentyl Glycol	5	gm	05/26/2015
0001388977		SILICONE II	10.1	oz	05/26/2015
0001341681	7758-95-4	LEAD(II) CHLORIDE	50	gm	05/26/2015
0001389034		SILICONE II	10.1	oz	05/26/2015
0001341683	20624-25-3	SODIUM DIETHYLDITHIOCARBAMATE TRIHYDRATE	100	gm	05/26/2015
0001341569		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341568		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341567		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001334981	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	05/26/2015
0001334980	7732-18-5	Hydrochloric Acid 30-31%	3000	lb	05/26/2015
0001341680	7758-95-4	LEAD(II) CHLORIDE	50	gm	05/26/2015
0001389236		SPRAY PAINT	12	oz	05/26/2015
0001389243		SPRAY PAINT	12	oz	05/26/2015
0001389238		SPRAY PAINT	12	oz	05/26/2015
0001389239		SPRAY PAINT	12	oz	05/26/2015
0001389240		SPRAY PAINT	12	oz	05/26/2015
0001341566		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001389032		SILICONE II	10.1	oz	05/26/2015
0001389237		SPRAY PAINT	12	oz	05/26/2015
0001389235		SPRAY PAINT	12	oz	05/26/2015
0001389234		SPRAY PAINT	12	oz	05/26/2015
0001341687	7681-65-4	COPPER(I) IODIDE	25	gm	05/26/2015
0001341688	7681-65-4	COPPER(I) IODIDE	25	gm	05/26/2015
0001341689	128-09-6	N-CHLOROSUCCINIMIDE	100	gm	05/26/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001341686	5970-45-6	ZINC ACETATE, DIHYDRATE	25	gm	05/26/2015
0001341685	5970-45-6	ZINC ACETATE, DIHYDRATE	25	gm	05/26/2015
0001341564		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001341565		ANGSTROM BOND AB9110	2.5	gm	05/26/2015
0001389262		SPRAY PAINT	12	oz	05/26/2015
0001362364	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	05/26/2015
0001389131		SILICONE II	10.1	oz	05/26/2015
0001389132		SILICONE II	10.1	oz	05/26/2015
0001389133		SILICONE II	10.1	oz	05/26/2015
0001389134		SILICONE II	10.1	oz	05/26/2015
0001389260		SPRAY PAINT	12	oz	05/26/2015
0001389261		SPRAY PAINT	12	oz	05/26/2015
0001389263		SPRAY PAINT	12	oz	05/26/2015
0001389265		TPO LV SINGLE PLY BONDING ADHESIVE	5	gal	05/26/2015
0001362358	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	05/26/2015
0001362362	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	05/26/2015
0001362361	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	05/26/2015
0001362363	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	05/26/2015
0001362357	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	05/26/2015
0001362360	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	05/26/2015
0001389109		SILICONE II	10.1	oz	05/26/2015
0001389135		SILICONE II	10.1	oz	05/26/2015
0001389136		SILICONE II	10.1	oz	05/26/2015
0001389137		SILICONE II	10.1	oz	05/26/2015
0001362359	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	05/26/2015
0001389128		SILICONE II	10.1	oz	05/26/2015
0001389115		SILICONE II	10.1	oz	05/26/2015
0001389116		SILICONE II	10.1	oz	05/26/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001389117		SILICONE II	10.1	oz	05/26/2015
0001389118		SILICONE II	10.1	oz	05/26/2015
0001389119		SILICONE II	10.1	oz	05/26/2015
0001389120		SILICONE II	10.1	oz	05/26/2015
0001389121		SILICONE II	10.1	oz	05/26/2015
0001389122		SILICONE II	10.1	oz	05/26/2015
0001389123		SILICONE II	10.1	oz	05/26/2015
0001389124		SILICONE II	10.1	oz	05/26/2015
0001389125		SILICONE II	10.1	oz	05/26/2015
0001389111		SILICONE II	10.1	oz	05/26/2015
0001389127		SILICONE II	10.1	oz	05/26/2015
0001389130		SILICONE II	10.1	oz	05/26/2015
0001389104		SILICONE II	10.1	oz	05/26/2015
0001389105		SILICONE II	10.1	oz	05/26/2015
0001389106		SILICONE II	10.1	oz	05/26/2015
0001389107		SILICONE II	10.1	oz	05/26/2015
0001389108		SILICONE II	10.1	oz	05/26/2015
0001389144		SILICONE II	10.1	oz	05/26/2015
0001389110		SILICONE II	10.1	oz	05/26/2015
0001389138		SILICONE II	10.1	oz	05/26/2015
0001389112		SILICONE II	10.1	oz	05/26/2015
0001389113		SILICONE II	10.1	oz	05/26/2015
0001389114		SILICONE II	10.1	oz	05/26/2015
0001389129		SILICONE II	10.1	oz	05/26/2015
0001389126		SILICONE II	10.1	oz	05/26/2015
0001389166		SILICONE II	10.1	oz	05/26/2015
0001389172		SILICONE II	10.1	oz	05/26/2015
0001389159		SILICONE II	10.1	oz	05/26/2015
0001389160		SILICONE II	10.1	oz	05/26/2015
0001389161		SILICONE II	10.1	oz	05/26/2015
0001389162		SILICONE II	10.1	oz	05/26/2015
0001389163		SILICONE II	10.1	oz	05/26/2015
0001389157		SILICONE II	10.1	oz	05/26/2015
0001389165		SILICONE II	10.1	oz	05/26/2015
0001389156		SILICONE II	10.1	oz	05/26/2015
0001389167		SILICONE II	10.1	oz	05/26/2015
0001389139		SILICONE II	10.1	oz	05/26/2015
0001389168		SILICONE II	10.1	oz	05/26/2015
0001389142		SILICONE II	10.1	oz	05/26/2015
0001389169		SILICONE II	10.1	oz	05/26/2015
0001389170		SILICONE II	10.1	oz	05/26/2015
0001389171		SILICONE II	10.1	oz	05/26/2015
0001389164		SILICONE II	10.1	oz	05/26/2015
0001389149		SILICONE II	10.1	oz	05/26/2015
0001389140		SILICONE II	10.1	oz	05/26/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001389141		SILICONE II	10.1	oz	05/26/2015
0001389143		SILICONE II	10.1	oz	05/26/2015
0001389145		SILICONE II	10.1	oz	05/26/2015
0001389146		SILICONE II	10.1	oz	05/26/2015
0001389147		SILICONE II	10.1	oz	05/26/2015
0001389158		SILICONE II	10.1	oz	05/26/2015
0001389148		SILICONE II	10.1	oz	05/26/2015
0001389150		SILICONE II	10.1	oz	05/26/2015
0001389151		SILICONE II	10.1	oz	05/26/2015
0001389152		SILICONE II	10.1	oz	05/26/2015
0001389153		SILICONE II	10.1	oz	05/26/2015
0001389154		SILICONE II	10.1	oz	05/26/2015
0001389155		SILICONE II	10.1	oz	05/26/2015
0001389285		RUST COAT ENAMEL	12	oz	05/27/2015
0001389289		RUST COAT ENAMEL	12	oz	05/27/2015
0001389288		RUST COAT ENAMEL	12	oz	05/27/2015
0001389287		RUST COAT ENAMEL	12	oz	05/27/2015
0001389284		RUST COAT ENAMEL	12	oz	05/27/2015
0001389286		RUST COAT ENAMEL	12	oz	05/27/2015
0001389275		RUST COAT ENAMEL	12	oz	05/27/2015
0001389282		RUST COAT ENAMEL	12	oz	05/27/2015
0001389283		RUST COAT ENAMEL	12	oz	05/27/2015
0001389281		RUST COAT ENAMEL	12	oz	05/27/2015
0001389270		RUST COAT ENAMEL	12	oz	05/27/2015
0001389266		RUST COAT ENAMEL	12	oz	05/27/2015
0001389277		RUST COAT ENAMEL	12	oz	05/27/2015
0001389267		RUST COAT ENAMEL	12	oz	05/27/2015
0001389280		RUST COAT ENAMEL	12	oz	05/27/2015
0001389269		RUST COAT ENAMEL	12	oz	05/27/2015
0001389268		RUST COAT ENAMEL	12	oz	05/27/2015
0001389273		RUST COAT ENAMEL	12	oz	05/27/2015
0001389274		RUST COAT ENAMEL	12	oz	05/27/2015
0001389276		RUST COAT ENAMEL	12	oz	05/27/2015
0001389278		RUST COAT ENAMEL	12	oz	05/27/2015
0001389279		RUST COAT ENAMEL	12	oz	05/27/2015
0001389272		RUST COAT ENAMEL	12	oz	05/27/2015
0001389271		RUST COAT ENAMEL	12	oz	05/27/2015
0001334989	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	05/28/2015
0001334986	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	05/28/2015
0001389292		fast setting cement	60	lb	05/28/2015
0001334987	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	05/28/2015
0001341728		Nexguard 22350	55	gal	05/28/2015
0001341727		Nexguard 22350	55	gal	05/28/2015
0001341549	3522-50-7	FERRIC CITRATE	100	gm	05/28/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001341548	112-07-2	ETHYLENE GLYCOL MONOBUTYL ETHER ACETATE	500	ml	05/28/2015
0001334988	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	05/28/2015
0001311442	64742-54-7	HYDROTREATED HEAVY PARAFFINIC DISTILLATE	6.5	oz	05/28/2015
0001341541		FILM DEVELOPER	1	l	05/28/2015
0001341539		FILM DEVELOPER	17	oz	05/28/2015
0001341705		BUTANE GAS	5.13	oz	05/28/2015
0001341726		Nexguard 22350	55	gal	05/28/2015
0001341725		Nexguard 22350	55	gal	05/28/2015
0001341724		Nexguard 22350	55	gal	05/28/2015
0001341729		Nexguard 22350	55	gal	05/28/2015
0001341547	5182-30-9	Trisodium Naphthalene-1,3,6-trisulfonate Hydrate	25	gm	05/28/2015
0001341535		CLOROX	1	gal	05/28/2015
0001341722	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	2.5	l	05/28/2015
0001389290		Nickel-Graf	8	oz	05/28/2015
0001341720		FREE CHLORINE INDICATOR SOLUTION FOR CL-17 ANALYZER	473	ml	05/28/2015
0001341719		FREE CHLORINE INDICATOR SOLUTION FOR CL-17 ANALYZER	473	ml	05/28/2015
0001341718		FREE CHLORINE INDICATOR SOLUTION FOR CL-17 ANALYZER	473	ml	05/28/2015
0001341529		SODIUM HYDROXIDE, SOLUTIONS	500	ml	05/28/2015
0001334990	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	05/28/2015
0001341530		DUOSEAL	1	gal	05/28/2015
0001341531		DUOSEAL	1	gal	05/28/2015
0001341532		CLOROX	1	gal	05/28/2015
0001341517	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	500	ml	05/28/2015
0001341534		CLOROX	1	gal	05/28/2015
0001341723	60-29-7	ETHYL ETHER	1	l	05/28/2015
0001341550	7758-02-3	POTASSIUM BROMIDE	100	gm	05/28/2015
0001311441	6834-92-0	K & N AIR FILTER CLEANER	12	oz	05/28/2015
0001341546		FILM DEVELOPER	1	l	05/28/2015
0001341545		FILM DEVELOPER	1	l	05/28/2015
0001341544		FILM DEVELOPER	1	l	05/28/2015
0001341543		FILM DEVELOPER	1	l	05/28/2015
0001341542		FILM DEVELOPER	1	l	05/28/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001341540		FILM DEVELOPER	17	oz	05/28/2015
0001341538	631-61-8	AMMONIUM ACETATE	500	gm	05/28/2015
0001341537		CLOROX	1	gal	05/28/2015
0001341533		CLOROX	1	gal	05/28/2015
0001341715		FREE CHLORINE INDICATOR SOLUTION FOR CL-17 ANALYZER	473	ml	05/28/2015
0001341518	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	500	ml	05/28/2015
0001341519	75-15-0	CARBON DISULFIDE	100	ml	05/28/2015
0001341520	335-67-1	Perfluorooctanoic acid, 95%	25	gm	05/28/2015
0001389291		fast setting cement	60	lb	05/28/2015
0001341536		CLOROX	1	gal	05/28/2015
0001389293		fast setting cement	60	lb	05/28/2015
0001389294		fast setting cement	60	lb	05/28/2015
0001341717		FREE CHLORINE INDICATOR SOLUTION FOR CL-17 ANALYZER	473	ml	05/28/2015
0001341721	75-09-2	METHYLENE CHLORIDE (DICHLOROMETHANE)	4	l	05/28/2015
0001341716		FREE CHLORINE INDICATOR SOLUTION FOR CL-17 ANALYZER	473	ml	05/28/2015
0001389297		fast setting cement	60	lb	05/28/2015
0001341714		BUTANE GAS	5.13	oz	05/28/2015
0001341713		BUTANE GAS	5.13	oz	05/28/2015
0001341712		BUTANE GAS	5.13	oz	05/28/2015
0001341711		BUTANE GAS	5.13	oz	05/28/2015
0001341710		BUTANE GAS	5.13	oz	05/28/2015
0001341709		BUTANE GAS	5.13	oz	05/28/2015
0001341708		BUTANE GAS	5.13	oz	05/28/2015
0001341707		BUTANE GAS	5.13	oz	05/28/2015
0001341706		BUTANE GAS	5.13	oz	05/28/2015
0001389295		fast setting cement	60	lb	05/28/2015
0001389296		fast setting cement	60	lb	05/28/2015
0001389299		fast setting cement	60	lb	05/28/2015
0001341523	25265-77-4	2,2,4-TRIMETHYL-1,3-PENTANEDIOL ISOBUTYRATE	500	gm	05/28/2015
0001341522	67899-41-6	Perfluoro(allylbenzene), 97%	25	gm	05/28/2015
0001341521	1072-63-5	1-Vinylimidazole, 99%	100	gm	05/28/2015
0001389304		fast setting cement	60	lb	05/28/2015
0001389302		fast setting cement	60	lb	05/28/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001389300		fast setting cement	60	lb	05/28/2015
0001389298		fast setting cement	60	lb	05/28/2015
0001341524	51364-51-3	TRIS(DIBENZYLIDENEACETONE)DIPALLADIUM(0)	5	gm	05/28/2015
0001389305		fast setting cement	60	lb	05/28/2015
0001389301		fast setting cement	60	lb	05/28/2015
0001341526	1513-65-1	2,6-Difluoropyridine	5	gm	05/28/2015
0001341527	107-31-3	METHYL FORMATE	1	l	05/28/2015
0001341528	7757-82-6	SODIUM SULFATE, ANHYDROUS	2.5	kg	05/28/2015
0001341525	1513-65-1	2,6-Difluoropyridine	5	gm	05/28/2015
0001389303		fast setting cement	60	lb	05/28/2015
0001341811		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341810		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341812		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341818		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341821		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341831	2564-83-2	2,2,6,6-TETRAMETHYLPYPERIDINOXY	25	gm	05/29/2015
0001341830		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341829		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341828		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341827		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341826		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341825		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341824		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341820		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341822		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341834	67-56-1	METHANOL	1	l	05/29/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001341819		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341817		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341816		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341815		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341814		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341813		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341809		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341804		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341823		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001334992	1310-73-2	Sodium Hydroxide 25%	3400	lb	05/29/2015
0001280383		MOBIL VACTRA OIL NO. 2	5	gal	05/29/2015
0001311489	Multi	Purus Diesel Exhaust Fluid	2.5	gal	05/29/2015
0001280575		FS-ONE	300	ml	05/29/2015
0001280600		BLASOCUT 2000	5	gal	05/29/2015
0001334998	1310-73-2	Sodium Hydroxide 25%	3400	lb	05/29/2015
0001334997	1310-73-2	Sodium Hydroxide 25%	3400	lb	05/29/2015
0001334996	1310-73-2	Sodium Hydroxide 25%	3400	lb	05/29/2015
0001334995	1310-73-2	Sodium Hydroxide 25%	3400	lb	05/29/2015
0001341832	98-08-8	A,A,A-TRIFLUOROTOLUENE	1	l	05/29/2015
0001334993	1310-73-2	Sodium Hydroxide 25%	3400	lb	05/29/2015
0001341833	75-64-9	TERT-BUTYLAMINE	500	ml	05/29/2015
0001334991	1310-73-2	Sodium Hydroxide 25%	3400	lb	05/29/2015
0001341842	71-36-3	1-BUTANOL	1	l	05/29/2015
0001341841	71-36-3	1-BUTANOL	1	l	05/29/2015
0001341840	71-36-3	1-BUTANOL	1	l	05/29/2015
0001341839	71-36-3	1-BUTANOL	1	l	05/29/2015
0001341837	67-56-1	METHANOL	1	l	05/29/2015
0001341836	67-56-1	METHANOL	1	l	05/29/2015
0001341835	67-56-1	METHANOL	1	l	05/29/2015
0001280358	Multi	STIHL PLATINUM BAR & CHAIN LUBRICANT	1	qt	05/29/2015
0001334994	1310-73-2	Sodium Hydroxide 25%	3400	lb	05/29/2015
0001341777		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341785		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001341784		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341783		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341782		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341781		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341780		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341770	7440-61-1	URANIUM, ICP STANDARD SOLUTION	100	ml	05/29/2015
0001341778		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341788		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341776		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341775		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341774		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341773		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341772		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001311493		synthetic 4-cycle engine oil	1	qt	05/29/2015
0001341779		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341795		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001311492		synthetic 4-cycle engine oil	1	qt	05/29/2015
0001280344		CB-G PG Precision Grout	5	gal	05/29/2015
0001280343		CB-G PG Precision Grout	5	gal	05/29/2015
0001280356		LOCTITE SILVER GRADE ANTI-SEIZE	1	lb	05/29/2015
0001280355		LOCTITE SILVER GRADE ANTI-SEIZE	1	lb	05/29/2015
0001280354		LOCTITE SILVER GRADE ANTI-SEIZE	1	lb	05/29/2015
0001341786		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001280352		LOCTITE SILVER GRADE ANTI-SEIZE	1	lb	05/29/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001341787		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341794		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341793		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341792		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341791		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341790		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341789		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341769		UTEVA RESIN	200	gm	05/29/2015
0001280353		LOCTITE SILVER GRADE ANTI-SEIZE	1	lb	05/29/2015
0001280365	Multi	STIHL PLATINUM BAR & CHAIN LUBRICANT	1	qt	05/29/2015
0001311470		SANDABLE PRIMER	12	oz	05/29/2015
0001311469		SANDABLE PRIMER	12	oz	05/29/2015
0001311468		WD-40 NON-AEROSOL	20	oz	05/29/2015
0001311467		BATTERY CLEANER	11	oz	05/29/2015
0001311491		synthetic 4-cycle engine oil	1	qt	05/29/2015
0001280368	Multi	STIHL PLATINUM BAR & CHAIN LUBRICANT	1	qt	05/29/2015
0001341771		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001280366	Multi	STIHL PLATINUM BAR & CHAIN LUBRICANT	1	qt	05/29/2015
0001341730	7697-37-2	NITRIC ACID OPTIMA	500	ml	05/29/2015
0001280364	Multi	STIHL PLATINUM BAR & CHAIN LUBRICANT	1	qt	05/29/2015
0001280363	Multi	STIHL PLATINUM BAR & CHAIN LUBRICANT	1	qt	05/29/2015
0001280362	Multi	STIHL PLATINUM BAR & CHAIN LUBRICANT	1	qt	05/29/2015
0001280361	Multi	STIHL PLATINUM BAR & CHAIN LUBRICANT	1	qt	05/29/2015
0001280360	Multi	STIHL PLATINUM BAR & CHAIN LUBRICANT	1	qt	05/29/2015
0001280359	Multi	STIHL PLATINUM BAR & CHAIN LUBRICANT	1	qt	05/29/2015
0001280367	Multi	STIHL PLATINUM BAR & CHAIN LUBRICANT	1	qt	05/29/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001280349		LOCTITE SILVER GRADE ANTI-SEIZE	1	lb	05/29/2015
0001341768	15980-15-1	1,4-OXATHIANE	5	gm	05/29/2015
0001341735	63148-62-9	SILICONE OIL, FOR MELTING POINT AND BOILING POINT APPARATUSE	1	kg	05/29/2015
0001341734	7440-33-7	TUNGSTEN POWDER	500	gm	05/29/2015
0001341733	7697-37-2	NITRIC ACID OPTIMA	500	ml	05/29/2015
0001341732	7697-37-2	NITRIC ACID OPTIMA	500	ml	05/29/2015
0001341808		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001311471		LACQUER PAINT HOT ROD BLACK	12	oz	05/29/2015
0001341806		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001311472		LACQUER PAINT HOT ROD BLACK	12	oz	05/29/2015
0001280348		LOCTITE SILVER GRADE ANTI-SEIZE	1	lb	05/29/2015
0001280347		LOCTITE SILVER GRADE ANTI-SEIZE	1	lb	05/29/2015
0001280346		LOCTITE SILVER GRADE ANTI-SEIZE	1	lb	05/29/2015
0001280345		LOCTITE SILVER GRADE ANTI-SEIZE	1	lb	05/29/2015
0001280357	Multi	STIHL PLATINUM BAR & CHAIN LUBRICANT	1	qt	05/29/2015
0001341731	7697-37-2	NITRIC ACID OPTIMA	500	ml	05/29/2015
0001280351		LOCTITE SILVER GRADE ANTI-SEIZE	1	lb	05/29/2015
0001280350		LOCTITE SILVER GRADE ANTI-SEIZE	1	lb	05/29/2015
0001341796		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001311499		ANTIFREEZE/COOLANT	1	gal	05/29/2015
0001311500		SPLASH WINDSHIELD WASHER FLUID	1	gal	05/29/2015
0001311501		SPLASH WINDSHIELD WASHER FLUID	1	gal	05/29/2015
0001311503		SPLASH WINDSHIELD WASHER FLUID	1	gal	05/29/2015
0001311461		Multipurpose Grease	14.1	oz	05/29/2015
0001311462		Multipurpose Grease	14.1	oz	05/29/2015
0001341807		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001341805		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001382351	1310-73-2	Sodium Hydroxide 25%	3400	lb	05/29/2015
0001311460		Multipurpose Grease	14.1	oz	05/29/2015
0001341797		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001311502		SPLASH WINDSHIELD WASHER FLUID	1	gal	05/29/2015
0001311453		Multipurpose Grease	14.1	oz	05/29/2015
0000912981	64-19-7	ACETIC ACID, GLACIAL	500	ml	05/29/2015
0000913024	72287-26-4	(1,1'-BIS(DIPHENYLPHOSPHINO)FERROCENE)-DICHLOROPALLADIUM(II), CPLX W/CH ₂ CL ₂	1	gm	05/29/2015
0001311452		Multipurpose Grease	14.1	oz	05/29/2015
0001311451		Multipurpose Grease	14.1	oz	05/29/2015
0001311494		synthetic 4-cycle engine oil	1	qt	05/29/2015
0001311463		ULTRA LOW VOC BRAKLEEN	14	oz	05/29/2015
0001311464		ULTRA LOW VOC BRAKLEEN	14	oz	05/29/2015
0001311465		ULTRA LOW VOC BRAKLEEN	14	oz	05/29/2015
0001311466		BATTERY TERMINAL PROTECTOR	7.5	oz	05/29/2015
0001311450		Multipurpose Grease	14.1	oz	05/29/2015
0001311444		Multipurpose Grease	14.1	oz	05/29/2015
0001341801		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341800		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341799		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001341798		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001311449		Multipurpose Grease	14.1	oz	05/29/2015
0001311448		Multipurpose Grease	14.1	oz	05/29/2015
0001311504		SPLASH WINDSHIELD WASHER FLUID	1	gal	05/29/2015
0001341803		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001311459		Multipurpose Grease	14.1	oz	05/29/2015
0001311446		Multipurpose Grease	14.1	oz	05/29/2015
0001341802		FANTASTIKE ALL PURPOSE CLEANER	32	oz	05/29/2015
0001311445		Multipurpose Grease	14.1	oz	05/29/2015
0001311447		Multipurpose Grease	14.1	oz	05/29/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001311498		ANTIFREEZE/COOLANT	1	gal	05/29/2015
0001311497		ANTIFREEZE/COOLANT	1	gal	05/29/2015
0001311496		synthetic 4-cycle engine oil	1	qt	05/29/2015
0001311443		Multipurpose Grease	14.1	oz	05/29/2015
0001382352	1310-73-2	Sodium Hydroxide 25%	3400	lb	05/29/2015
0001311495		synthetic 4-cycle engine oil	1	qt	05/29/2015
0001311454		Multipurpose Grease	14.1	oz	05/29/2015
0001311455		Multipurpose Grease	14.1	oz	05/29/2015
0001311456		Multipurpose Grease	14.1	oz	05/29/2015
0001311457		Multipurpose Grease	14.1	oz	05/29/2015
0001311458		Multipurpose Grease	14.1	oz	05/29/2015
0001280581		FS-ONE	300	ml	05/29/2015
0001280382		Mobil Machine Tool Long Life Coolant	5	gal	05/29/2015
0001280381		Mobil Machine Tool Long Life Coolant	5	gal	05/29/2015
0001311490		DRY FILM MOLY LUBRICANT LU 200	11	oz	05/29/2015
0001280586		FS-ONE	300	ml	05/29/2015
0001280584		FS-ONE	300	ml	05/29/2015
0001280582		FS-ONE	300	ml	05/29/2015
0001280580		FS-ONE	300	ml	05/29/2015
0001280579		FS-ONE	300	ml	05/29/2015
0001280578		FS-ONE	300	ml	05/29/2015
0001280577		FS-ONE	300	ml	05/29/2015
0001280576		FS-ONE	300	ml	05/29/2015
0001280583		FS-ONE	300	ml	05/29/2015
0001280377		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	05/29/2015
0001311487		15w40 motor oil	1	gal	05/29/2015
0001280370		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	05/29/2015
0001280371		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	05/29/2015
0001280372		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	05/29/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001280373		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	05/29/2015
0001280369		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	05/29/2015
0001280376		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	05/29/2015
0001311488		15w40 motor oil	1	gal	05/29/2015
0001280378		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	05/29/2015
0001280379		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	05/29/2015
0001280380		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	05/29/2015
0001280374		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	05/29/2015
0001280585		FS-ONE	300	ml	05/29/2015
0001311478		DX-111/M ATF	1	qt	05/29/2015
0001280375		FS-ONE HIGH PERFORMANCE INTUMESCENT FIRE STOP SEALANT	300	ml	05/29/2015
0001311485		80W 90 GEAR OIL	1	qt	05/29/2015
0001280384		MOBIL VACTRA OIL NO. 2	5	gal	05/29/2015
0001280590		SIMPLE GREEN	24	oz	05/29/2015
0001280589		SIMPLE GREEN	24	oz	05/29/2015
0001280591		SIMPLE GREEN	24	oz	05/29/2015
0001280592		SIMPLE GREEN	24	oz	05/29/2015
0001280588		SIMPLE GREEN	24	oz	05/29/2015
0001280593		SIMPLE GREEN	24	oz	05/29/2015
0001280594		SIMPLE GREEN	24	oz	05/29/2015
0001280595		SIMPLE GREEN	24	oz	05/29/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001280596		SIMPLE GREEN	24	oz	05/29/2015
0001280587		SIMPLE GREEN	24	oz	05/29/2015
0001280597		SIMPLE GREEN	24	oz	05/29/2015
0001280598		SIMPLE GREEN	24	oz	05/29/2015
0001311476		DX-111/M ATF	1	qt	05/29/2015
0001311479		DX-111/M ATF	1	qt	05/29/2015
0001311480		SAE 30 MOTOR OIL	1	qt	05/29/2015
0001311481		AIR TOOL OIL	15	oz	05/29/2015
0001280599		BLASOCUT 2000	5	gal	05/29/2015
0001311482		80W 90 GEAR OIL	1	qt	05/29/2015
0001311486		80W 90 GEAR OIL	1	qt	05/29/2015
0001311477		DX-111/M ATF	1	qt	05/29/2015
0001311484		80W 90 GEAR OIL	1	qt	05/29/2015
0001311475		ULTRA BLACK GASKET MAKER	3.35	oz	05/29/2015
0001311474		ULTRA BLACK GASKET MAKER	3.35	oz	05/29/2015
0001311473		193 GLOSS BLACK CHASSIS & GRILLE GUARD PAINT	12	oz	05/29/2015
0001311483		80W 90 GEAR OIL	1	qt	05/29/2015
0001327440	7697-37-2	NITRIC ACID, TRACEMETAL	500	ml	06/01/2015
0001341883	139-13-9	NITRILOTRIACETIC ACID	500	gm	06/01/2015
0001327439	7697-37-2	NITRIC ACID, TRACEMETAL	500	ml	06/01/2015
0001341882	1314-98-3	ZINC SULFIDE	25	gm	06/01/2015
0001341880	1282-37-7	FERROCENIUM TETRAFLUOROBORATE	5	gm	06/01/2015
0001341879	1282-37-7	FERROCENIUM TETRAFLUOROBORATE	5	gm	06/01/2015
0001341878	301-10-0	TIN (II) 2-ETHYLHEXANOATE	100	gm	06/01/2015
0001341877	1898-66-4	2,2-DIPHENYL-1- PICRYLHYDRAZYLHYDRATE	1	gm	06/01/2015
0001362444	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/01/2015
0001327441	7697-37-2	NITRIC ACID, TRACEMETAL	500	ml	06/01/2015
0001362426	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/01/2015
0001341881	1306-23-6	CADMIUM SULFIDE	20	gm	06/01/2015
0001341895		KODAK MICROFILM DEVELOPER AND REPLENISHER	1	l	06/01/2015
0001327511	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	1	l	06/01/2015
0001327448	7697-37-2	NITRIC ACID, TRACEMETAL	500	ml	06/01/2015
0001327447	7697-37-2	NITRIC ACID, TRACEMETAL	500	ml	06/01/2015
0001362471		94% ARGON/6% HYDROGEN	220	cf	06/01/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001327446	7697-37-2	NITRIC ACID, TRACEMETAL	500	ml	06/01/2015
0001327445	7697-37-2	NITRIC ACID, TRACEMETAL	500	ml	06/01/2015
0001327444	7697-37-2	NITRIC ACID, TRACEMETAL	500	ml	06/01/2015
0001327443	7697-37-2	NITRIC ACID, TRACEMETAL	500	ml	06/01/2015
0001341898		KODAK MICROFILM DEVELOPER AND REPLENISHER	1	l	06/01/2015
0001341897		KODAK MICROFILM DEVELOPER AND REPLENISHER	1	l	06/01/2015
0001341896		KODAK MICROFILM DEVELOPER AND REPLENISHER	1	l	06/01/2015
0001341876	2648-71-7	3-Bromo-3-methyl-2-butanone	5	gm	06/01/2015
0001341900		FILM DEVELOPER	17	oz	06/01/2015
0001362428	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/01/2015
0001327442	7697-37-2	NITRIC ACID, TRACEMETAL	500	ml	06/01/2015
0001362436	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/01/2015
0001362435	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/01/2015
0001362434	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/01/2015
0001362433	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/01/2015
0001362432	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/01/2015
0001341871	1310-73-2	SODIUM HYDROXIDE	3	kg	06/01/2015
0001362430	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/01/2015
0001362472		94% ARGON/6% HYDROGEN	220	cf	06/01/2015
0001362429	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/01/2015
0001362443	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/01/2015
0001362427	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/01/2015
0001362425	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/01/2015
0001341890		ULTRA GRADE 19 OIL	1	l	06/01/2015
0001362445	7440-37-1	ARGON, COMPRESSED	220	cf	06/01/2015
0001362431	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/01/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001362400		P-10 (90% ARGON 10% METHANE)	220	cf	06/01/2015
0001362470		94% ARGON/6% HYDROGEN	220	cf	06/01/2015
0001362414		P-10 (90% ARGON 10% METHANE)	220	cf	06/01/2015
0001362413		P-10 (90% ARGON 10% METHANE)	220	cf	06/01/2015
0001362412		P-10 (90% ARGON 10% METHANE)	220	cf	06/01/2015
0001362411		P-10 (90% ARGON 10% METHANE)	220	cf	06/01/2015
0001362410		P-10 (90% ARGON 10% METHANE)	220	cf	06/01/2015
0001362408		P-10 (90% ARGON 10% METHANE)	220	cf	06/01/2015
0001362407		P-10 (90% ARGON 10% METHANE)	220	cf	06/01/2015
0001362406		P-10 (90% ARGON 10% METHANE)	220	cf	06/01/2015
0001362405		P-10 (90% ARGON 10% METHANE)	220	cf	06/01/2015
0001362404		P-10 (90% ARGON 10% METHANE)	220	cf	06/01/2015
0001362403		P-10 (90% ARGON 10% METHANE)	220	cf	06/01/2015
0001362446	7440-37-1	ARGON, COMPRESSED	220	cf	06/01/2015
0001362401		P-10 (90% ARGON 10% METHANE)	220	cf	06/01/2015
0001362447	7440-37-1	ARGON, COMPRESSED	220	cf	06/01/2015
0001362399		P-10 (90% ARGON 10% METHANE)	220	cf	06/01/2015
0001362398		P-10 (90% ARGON 10% METHANE)	220	cf	06/01/2015
0001362397		P-10 (90% ARGON 10% METHANE)	220	cf	06/01/2015
0001362396		P-10 (90% ARGON 10% METHANE)	220	cf	06/01/2015
0001362395		P-10 (90% ARGON 10% METHANE)	220	cf	06/01/2015
0001362394		P-10 (90% ARGON 10% METHANE)	220	cf	06/01/2015
0001362393		P-10 (90% ARGON 10% METHANE)	220	cf	06/01/2015
0001341766	9004-67-5	METHYL CELLULOSE	500	gm	06/01/2015
0001341885	8014-95-7	SULFURIC ACID, FUMING	500	gm	06/01/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001341886	85-41-6	PHthalimide, 98%	100	gm	06/01/2015
0001341887	7789-23-3	POTASSIUM FLUORIDE, ANHYDROUS	25	gm	06/01/2015
0001341889	7775-41-9	SILVER (I) FLUORIDE	25	gm	06/01/2015
0001362402		P-10 (90% ARGON 10% METHANE)	220	cf	06/01/2015
0001341764	78-50-2	TRIOCTYLPHOSPHINE OXIDE	100	gm	06/01/2015
0001362441	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/01/2015
0001362440	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/01/2015
0001362439	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/01/2015
0001362438	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/01/2015
0001362469		94% ARGON/6% HYDROGEN	220	cf	06/01/2015
0001389313		GERIN NEUTRAL SOLUTION	1	qt	06/01/2015
0001327512	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	1	l	06/01/2015
0001327513	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	1	l	06/01/2015
0001327514	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	1	l	06/01/2015
0001327515	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	1	l	06/01/2015
0001327516	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	1	l	06/01/2015
0001341761	2065-66-9	METHYLTRIPHENYLPHOSPHONIUM IODIDE	5	gm	06/01/2015
0001362415	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/01/2015
0001341763	1449-46-3	BENZYLTRIPHENYLPHOSPHONIUM BROMIDE	50	gm	06/01/2015
0001362442	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/01/2015
0001341765	21524-34-5	1-BROMO-2,4,6-TRIISOPROPYLBENZENE	25	gm	06/01/2015
0001362458	7440-37-1	ARGON, COMPRESSED	220	cf	06/01/2015
0001362457	7440-37-1	ARGON, COMPRESSED	220	cf	06/01/2015
0001362456	7440-37-1	ARGON, COMPRESSED	220	cf	06/01/2015
0001362455	7440-37-1	ARGON, COMPRESSED	220	cf	06/01/2015
0001362454	7440-37-1	ARGON, COMPRESSED	220	cf	06/01/2015
0001362453	7440-37-1	ARGON, COMPRESSED	220	cf	06/01/2015
0001362452	7440-37-1	ARGON, COMPRESSED	220	cf	06/01/2015
0001362451	7440-37-1	ARGON, COMPRESSED	220	cf	06/01/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001362450	7440-37-1	ARGON, COMPRESSED	220	cf	06/01/2015
0001362449	7440-37-1	ARGON, COMPRESSED	220	cf	06/01/2015
0001362448	7440-37-1	ARGON, COMPRESSED	220	cf	06/01/2015
0001341762	2065-66-9	METHYLTRIPHENYLPHOSPHONIUM IODIDE	5	gm	06/01/2015
0001341744		NITRAVER REAGENT	50	ml	06/01/2015
0001341859		DPD COMPOUND FOR FREE AND TOTAL CHLORINE ANALYZERS	24	gm	06/01/2015
0001341860	4731-53-7	TRIOCTYLPHOSPHINE	500	ml	06/01/2015
0001341861	6711-48-4	3,3'-IMINOBIS(N,N-DIMETHYLPROPYLAMINE)	100	ml	06/01/2015
0001341862		CONDUCTIVE SILVER PAINT	31.1	gm	06/01/2015
0001341863		PLATINUM PAINT THINNER	30	ml	06/01/2015
0001341864		PLATINUM PAINT FOR HIGH TEMPERATURE APPLICATIONS	10	gm	06/01/2015
0001341736		EXPULSION SOLUTION AMTAX	27	ml	06/01/2015
0001341737		EXPULSION SOLUTION AMTAX	27	ml	06/01/2015
0001341738		EXPULSION SOLUTION AMTAX	27	ml	06/01/2015
0001341739		EXPULSION SOLUTION AMTAX	27	ml	06/01/2015
0001341740		EXPULSION SOLUTION AMTAX	27	ml	06/01/2015
0001341741		EXPULSION SOLUTION AMTAX	27	ml	06/01/2015
0001362370	74-98-6	PROPANE	11	gal	06/01/2015
0001341743		EXPULSION SOLUTION AMTAX	27	ml	06/01/2015
0001341856		DPD COMPOUND FOR FREE AND TOTAL CHLORINE ANALYZERS	24	gm	06/01/2015
0001341745		NITRAVER REAGENT	50	ml	06/01/2015
0001341746		NITRAVER REAGENT	50	ml	06/01/2015
0001362460		94% ARGON/6% HYDROGEN	220	cf	06/01/2015
0001362409		P-10 (90% ARGON 10% METHANE)	220	cf	06/01/2015
0001341901		FILM DEVELOPER	17	oz	06/01/2015
0001341902		FILM DEVELOPER	17	oz	06/01/2015
0001341903		FILM DEVELOPER	17	oz	06/01/2015
0001341905	7440-32-6	TITANIUM	12	gm	06/01/2015
0001341906	1313-85-5	SODIUM SELENIDE	1	gm	06/01/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001341907	1313-85-5	SODIUM SELENIDE	1	gm	06/01/2015
0001362365		Oxygen, Nitrogen	58	l	06/01/2015
0001362368	74-98-6	PROPANE	11	gal	06/01/2015
0001389315		GERIN NEUTRAL SOLUTION	1	qt	06/01/2015
0001341742		EXPULSION SOLUTION AMTAX	27	ml	06/01/2015
0001341844	6074-84-6	Tantalum (V) Ethoxide	50	gm	06/01/2015
0001341747		NITRAVER REAGENT	50	ml	06/01/2015
0001341748		NITRAVER REAGENT	50	ml	06/01/2015
0001341749		NITRAVER REAGENT	50	ml	06/01/2015
0001341750		NITRAVER REAGENT	50	ml	06/01/2015
0001341751		NITRAVER REAGENT	50	ml	06/01/2015
0001341752		NITRAVER REAGENT	50	ml	06/01/2015
0001341753		NITRAVER REAGENT	50	ml	06/01/2015
0001341754		NITROGEN AMMONIA STANDARD	500	ml	06/01/2015
0001341755		NITROGEN AMMONIA STANDARD	500	ml	06/01/2015
0001341756		NITROGEN AMMONIA STANDARD	500	ml	06/01/2015
0001341757		NITROGEN AMMONIA STANDARD	500	ml	06/01/2015
0001341758		NITROGEN AMMONIA STANDARD	500	ml	06/01/2015
0001341759		NITROGEN AMMONIA STANDARD	500	ml	06/01/2015
0001341858		DPD COMPOUND FOR FREE AND TOTAL CHLORINE ANALYZERS	24	gm	06/01/2015
0001341850	1310-73-2	SODIUM HYDROXIDE	3	kg	06/01/2015
0001362371	74-98-6	PROPANE	11	gal	06/01/2015
0001341855		DPD COMPOUND FOR FREE AND TOTAL CHLORINE ANALYZERS	24	gm	06/01/2015
0001341854		DPD COMPOUND FOR FREE AND TOTAL CHLORINE ANALYZERS	24	gm	06/01/2015
0001341853		DPD COMPOUND FOR FREE AND TOTAL CHLORINE ANALYZERS	24	gm	06/01/2015
0001341852		DPD COMPOUND FOR FREE AND TOTAL CHLORINE ANALYZERS	24	gm	06/01/2015
0001341760	109-55-7	3-(Dimethylamino)-1-propylamine	25	ml	06/01/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001341851	1310-73-2	SODIUM HYDROXIDE	3	kg	06/01/2015
0001341843	6074-84-6	Tantalum (V) Ethoxide	50	gm	06/01/2015
0001341849	1310-73-2	SODIUM HYDROXIDE	3	kg	06/01/2015
0001341848	1310-73-2	SODIUM HYDROXIDE	3	kg	06/01/2015
0001341847	6074-84-6	Tantalum (V) Ethoxide	50	gm	06/01/2015
0001341846	6074-84-6	Tantalum (V) Ethoxide	50	gm	06/01/2015
0001341845	6074-84-6	Tantalum (V) Ethoxide	50	gm	06/01/2015
0001341857		DPD COMPOUND FOR FREE AND TOTAL CHLORINE ANALYZERS	24	gm	06/01/2015
0001362383	74-98-6	PROPANE	5	gal	06/01/2015
0001389312		GERIN NEUTRAL SOLUTION	1	qt	06/01/2015
0001362369	74-98-6	PROPANE	11	gal	06/01/2015
0001341868	1310-73-2	SODIUM HYDROXIDE	3	kg	06/01/2015
0001341867	57-50-1	D(+)-SUCROSE	2.5	kg	06/01/2015
0001341866	7647-14-5	SODIUM CHLORIDE CERTIFIED ACS	10	kg	06/01/2015
0001341865	7440-22-4	COLLODIAL SILVER	30	ml	06/01/2015
0001341872	7722-84-1	HYDROGEN PEROXIDE, 30% SOLUTION	100	ml	06/01/2015
0001341873	1310-73-2	SODIUM HYDROXIDE 50%	500	ml	06/01/2015
0001341874	5343-92-0	1,2-Pentanediol	500	ml	06/01/2015
0001389306		GERIN NEUTRAL SOLUTION	1	qt	06/01/2015
0001389307		GERIN NEUTRAL SOLUTION	1	qt	06/01/2015
0001389308		GERIN NEUTRAL SOLUTION	1	qt	06/01/2015
0001389309		GERIN NEUTRAL SOLUTION	1	qt	06/01/2015
0001362423	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/01/2015
0001389311		GERIN NEUTRAL SOLUTION	1	qt	06/01/2015
0001362422	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/01/2015
0001389314		GERIN NEUTRAL SOLUTION	1	qt	06/01/2015
0001362437	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/01/2015
0001389316		GERIN NEUTRAL SOLUTION	1	qt	06/01/2015
0001389317		GERIN NEUTRAL SOLUTION	1	qt	06/01/2015
0001389318		GERIN NEUTRAL SOLUTION	1	qt	06/01/2015
0001389319		GERIN NEUTRAL SOLUTION	1	qt	06/01/2015
0001389320		GERIN NEUTRAL SOLUTION	1	qt	06/01/2015
0001389321		GERIN NEUTRAL SOLUTION	1	qt	06/01/2015
0001389322		GERIN NEUTRAL SOLUTION	1	qt	06/01/2015
0001389323		GERIN NEUTRAL SOLUTION	1	qt	06/01/2015
0001389324		GERIN NEUTRAL SOLUTION	1	qt	06/01/2015
0001389325		GERIN NEUTRAL SOLUTION	1	qt	06/01/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001341875	2648-71-7	3-Bromo-3-methyl-2-butanone	5	gm	06/01/2015
0001389310		GERIN NEUTRAL SOLUTION	1	qt	06/01/2015
0001362375	74-98-6	PROPANE	11	gal	06/01/2015
0001362372	74-98-6	PROPANE	11	gal	06/01/2015
0001341870	1310-73-2	SODIUM HYDROXIDE	3	kg	06/01/2015
0001341869	1310-73-2	SODIUM HYDROXIDE	3	kg	06/01/2015
0001362373	74-98-6	PROPANE	11	gal	06/01/2015
0001362468		94% ARGON/6% HYDROGEN	220	cf	06/01/2015
0001362467		94% ARGON/6% HYDROGEN	220	cf	06/01/2015
0001362466		94% ARGON/6% HYDROGEN	220	cf	06/01/2015
0001362465		94% ARGON/6% HYDROGEN	220	cf	06/01/2015
0001362464		94% ARGON/6% HYDROGEN	220	cf	06/01/2015
0001362463		94% ARGON/6% HYDROGEN	220	cf	06/01/2015
0001362462		94% ARGON/6% HYDROGEN	220	cf	06/01/2015
0001362461		94% ARGON/6% HYDROGEN	220	cf	06/01/2015
0001362459	7440-37-1	ARGON, COMPRESSED	220	cf	06/01/2015
0001362424	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/01/2015
0001362381	74-98-6	PROPANE	11	gal	06/01/2015
0001362421	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/01/2015
0001362420	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/01/2015
0001362419	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/01/2015
0001362418	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/01/2015
0001362417	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/01/2015
0001362385		P-10 (90% ARGON 10% METHANE)	220	cf	06/01/2015
0001362374	74-98-6	PROPANE	11	gal	06/01/2015
0001362380	74-98-6	PROPANE	11	gal	06/01/2015
0001362379	74-98-6	PROPANE	11	gal	06/01/2015
0001362378	74-98-6	PROPANE	11	gal	06/01/2015
0001362377	74-98-6	PROPANE	11	gal	06/01/2015
0001362376	74-98-6	PROPANE	11	gal	06/01/2015
0001341899		KODAK MICROFILM DEVELOPER AND REPLENISHER	1	l	06/01/2015
0001362416	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/01/2015
0001362473		94% ARGON/6% HYDROGEN	220	cf	06/01/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001362389		P-10 (90% ARGON 10% METHANE)	220	cf	06/01/2015
0001362474		94% ARGON/6% HYDROGEN	220	cf	06/01/2015
0001362390		P-10 (90% ARGON 10% METHANE)	220	cf	06/01/2015
0001362391		P-10 (90% ARGON 10% METHANE)	220	cf	06/01/2015
0001341888	23978-09-8	KRYPTOFIX 222	5	gm	06/01/2015
0001341894		KODAK MICROFILM DEVELOPER AND REPLENISHER	1	l	06/01/2015
0001362392		P-10 (90% ARGON 10% METHANE)	220	cf	06/01/2015
0001362388		P-10 (90% ARGON 10% METHANE)	220	cf	06/01/2015
0001341904	7440-32-6	TITANIUM	12	gm	06/01/2015
0001341893		ULTRA GRADE 19 OIL	1	l	06/01/2015
0001341892		ULTRA GRADE 19 OIL	1	l	06/01/2015
0001341891		ULTRA GRADE 19 OIL	1	l	06/01/2015
0001362367	74-98-6	PROPANE	11	gal	06/01/2015
0001362382	74-98-6	PROPANE	5	gal	06/01/2015
0001362384	74-98-6	PROPANE	5	gal	06/01/2015
0001362386		P-10 (90% ARGON 10% METHANE)	220	cf	06/01/2015
0001362387		P-10 (90% ARGON 10% METHANE)	220	cf	06/01/2015
0001362366		Oxygen, Nitrogen	58	l	06/01/2015
0001389330	1310-58-3	Gerin KOH Ampules	1	l	06/02/2015
0001362483	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	06/02/2015
0001148945	5182-30-9	Trisodium Naphthalene-1,3,6-trisulfonate Hydrate	50	gm	06/02/2015
0001389328	1310-58-3	Gerin KOH Ampules	1	l	06/02/2015
0001362481	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	06/02/2015
0001362484	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	06/02/2015
0001362482	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	06/02/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001362486	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	250 l		06/02/2015
0001362479	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100 l		06/02/2015
0001334958	7732-18-5	Hydrochloric Acid 30-31%	3000 lb		06/02/2015
0001389329	1310-58-3	Gerin KOH Ampules	1 l		06/02/2015
0001309143		DISINFECTANT SPRAY	12.5 oz		06/02/2015
0001389327	1310-58-3	Gerin KOH Ampules	1 l		06/02/2015
0001362480	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100 l		06/02/2015
0001311505		PREMIUM HYDRAULIC FLUID AW-68	5 gal		06/02/2015
0001362485	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100 l		06/02/2015
0001389326	1310-58-3	Gerin KOH Ampules	1 l		06/02/2015
0001389461		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	5 gal		06/03/2015
0001389455		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	5 gal		06/03/2015
0001389456		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	5 gal		06/03/2015
0001389457		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	5 gal		06/03/2015
0001389458		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	5 gal		06/03/2015
0001389460		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	5 gal		06/03/2015
0001389454		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	5 gal		06/03/2015
0001311521		193 GLOSS BLACK CHASSIS & GRILLE GUARD PAINT	12 oz		06/03/2015
0001389459		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	5 gal		06/03/2015
0001389453		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	5 gal		06/03/2015
0001389452		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	5 gal		06/03/2015
0001389421		LAMP BLACK COLORANT	1 qt		06/03/2015
0001389502		ELECTRO-CLEAN	16 oz		06/03/2015
0001389503		ELECTRO-CLEAN	16 oz		06/03/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001389462		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	5	gal	06/03/2015
0001311520		193 GLOSS BLACK CHASSIS & GRILLE GUARD PAINT	12	oz	06/03/2015
0001389469		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	5	gal	06/03/2015
0001311522		193 GLOSS BLACK CHASSIS & GRILLE GUARD PAINT	12	oz	06/03/2015
0001389504		ELECTRO-CLEAN	16	oz	06/03/2015
0001389471		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	5	gal	06/03/2015
0001389486		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	1	gal	06/03/2015
0001389485		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	1	gal	06/03/2015
0001389484		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	1	gal	06/03/2015
0001389483		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	1	gal	06/03/2015
0001389482		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	1	gal	06/03/2015
0001389481		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	1	gal	06/03/2015
0001389475		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	5	gal	06/03/2015
0001389474		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	5	gal	06/03/2015
0001389500		ELECTRO-CLEAN	16	oz	06/03/2015
0001389472		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	5	gal	06/03/2015
0001389463		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	5	gal	06/03/2015
0001389470		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	5	gal	06/03/2015
0001311516		MULTI-PURPOSE GREASE	14.1	oz	06/03/2015
0001389468		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	5	gal	06/03/2015
0001311523		DIELECTRIC TUNE-UP GREASE	3	oz	06/03/2015
0001389501		ELECTRO-CLEAN	16	oz	06/03/2015
0001389467		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	5	gal	06/03/2015
0001389466		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	5	gal	06/03/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001389465		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	5	gal	06/03/2015
0001389464		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	5	gal	06/03/2015
0001389473		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	5	gal	06/03/2015
0001148946	5182-30-9	Trisodium Naphthalene-1,3,6-trisulfonate Hydrate	25	gm	06/03/2015
0001389495		ELECTRO-CLEAN	16	oz	06/03/2015
0001311549		ULTRA-LOW VOC BRAKLEEN	14	oz	06/03/2015
0001311550		ULTRA-LOW VOC BRAKLEEN	14	oz	06/03/2015
0001311551		ULTRA-LOW VOC BRAKLEEN	14	oz	06/03/2015
0001311552		ULTRA-LOW VOC BRAKLEEN	14	oz	06/03/2015
0001311529		STARTING FLUID	10.7	oz	06/03/2015
0001311530		WD-40 NON-AEROSOL	20	oz	06/03/2015
0001311531		WD-40 NON-AEROSOL	20	oz	06/03/2015
0001311519		SANDABLE PRIMER	12	oz	06/03/2015
0001311518		SANDABLE PRIMER	12	oz	06/03/2015
0001389498		ELECTRO-CLEAN	16	oz	06/03/2015
0001389441		ORANGE PEEL SPRAY ON TEXTURE, WATER BASED	25	oz	06/03/2015
0001389442		ORANGE PEEL SPRAY ON TEXTURE, WATER BASED	25	oz	06/03/2015
0001389444		BIG STRETCH CAULK	10.5	oz	06/03/2015
0001389445		BIG STRETCH CAULK	10.5	oz	06/03/2015
0001389446		BIG STRETCH CAULK	10.5	oz	06/03/2015
0001389447		BIG STRETCH CAULK	10.5	oz	06/03/2015
0001389448		BIG STRETCH CAULK	10.5	oz	06/03/2015
0001389422		LAMP BLACK COLORANT	1	qt	06/03/2015
0001389493		ELECTRO-CLEAN	16	oz	06/03/2015
0001311511		MULTI-PURPOSE GREASE	14.1	oz	06/03/2015
0001311526		GASKET AND JOINT COMPOUND	1.69	oz	06/03/2015
0001311527		BATTERY CLEANER	11	oz	06/03/2015
0001311528		ULTRA-LOW VOC BRAKLEEN	14	oz	06/03/2015
0001311524		ULTRA BLACK GASKET MAKER	3.35	oz	06/03/2015
0001389494		ELECTRO-CLEAN	16	oz	06/03/2015
0001311517		PREMIUM ENAMEL FLAT BLACK	12	oz	06/03/2015
0001311515		MULTI-PURPOSE GREASE	14.1	oz	06/03/2015
0001311514		MULTI-PURPOSE GREASE	14.1	oz	06/03/2015
0001389496		ELECTRO-CLEAN	16	oz	06/03/2015
0001311512		MULTI-PURPOSE GREASE	14.1	oz	06/03/2015
0001389497		ELECTRO-CLEAN	16	oz	06/03/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001311510		MULTI-PURPOSE GREASE	14.1	oz	06/03/2015
0001311509		MULTI-PURPOSE GREASE	14.1	oz	06/03/2015
0001311508		MULTI-PURPOSE GREASE	14.1	oz	06/03/2015
0001311507		MULTI-PURPOSE GREASE	14.1	oz	06/03/2015
0001311506		MULTI-PURPOSE GREASE	14.1	oz	06/03/2015
0001389424		LAMP BLACK COLORANT	1	qt	06/03/2015
0001389423		LAMP BLACK COLORANT	1	qt	06/03/2015
0001389499		ELECTRO-CLEAN	16	oz	06/03/2015
0001311525		ULTRA BLACK GASKET MAKER	3.35	oz	06/03/2015
0001311513		MULTI-PURPOSE GREASE	14.1	oz	06/03/2015
0001389440		ORANGE PEEL SPRAY ON TEXTURE, WATER BASED	25	oz	06/03/2015
0001389400		BIG STRETCH CAULK	10.5	oz	06/03/2015
0001389395		BIG STRETCH CAULK	10.5	oz	06/03/2015
0001389391		BIG STRETCH CAULK	10.5	oz	06/03/2015
0001389477		PERMACRYL INTERIOR FLAT MIDTONE BASE	1	gal	06/03/2015
0001389478		PERMACRYL INTERIOR FLAT MIDTONE BASE	1	gal	06/03/2015
0001389392		BIG STRETCH CAULK	10.5	oz	06/03/2015
0001389393		BIG STRETCH CAULK	10.5	oz	06/03/2015
0001389394		BIG STRETCH CAULK	10.5	oz	06/03/2015
0001389405		BIG STRETCH CAULK	10.5	oz	06/03/2015
0001389487		PERMACRYL INTERIOR FLAT WHITE BASE DF-1531	1	gal	06/03/2015
0001389439		ORANGE PEEL SPRAY ON TEXTURE, WATER BASED	25	oz	06/03/2015
0001389430		ORANGE PEEL SPRAY ON TEXTURE, WATER BASED	25	oz	06/03/2015
0001389489		PERMACRYL INTERIOR SEMI-GLOSS WHITE BASE	1	gal	06/03/2015
0001389479		PERMACRYL INTERIOR FLAT MIDTONE BASE	1	gal	06/03/2015
0001389398		BIG STRETCH CAULK	10.5	oz	06/03/2015
0001389406		BIG STRETCH CAULK	10.5	oz	06/03/2015
0001389396		BIG STRETCH CAULK	10.5	oz	06/03/2015
0001389404		BIG STRETCH CAULK	10.5	oz	06/03/2015
0001389403		BIG STRETCH CAULK	10.5	oz	06/03/2015
0001389402		BIG STRETCH CAULK	10.5	oz	06/03/2015
0001389401		BIG STRETCH CAULK	10.5	oz	06/03/2015
0001389399		BIG STRETCH CAULK	10.5	oz	06/03/2015
0001389397		BIG STRETCH CAULK	10.5	oz	06/03/2015
0001389407		BIG STRETCH CAULK	10.5	oz	06/03/2015
0001389418		BIG STRETCH CAULK	10.5	oz	06/03/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001389410		BIG STRETCH CAULK	10.5	oz	06/03/2015
0001389411		BIG STRETCH CAULK	10.5	oz	06/03/2015
0001389412		BIG STRETCH CAULK	10.5	oz	06/03/2015
0001389413		BIG STRETCH CAULK	10.5	oz	06/03/2015
0001389414		BIG STRETCH CAULK	10.5	oz	06/03/2015
0001389415		BIG STRETCH CAULK	10.5	oz	06/03/2015
0001389390		BIG STRETCH CAULK	10.5	oz	06/03/2015
0001389417		BIG STRETCH CAULK	10.5	oz	06/03/2015
0001389388		BIG STRETCH CAULK	10.5	oz	06/03/2015
0001389419		BIG STRETCH CAULK	10.5	oz	06/03/2015
0001389432		ORANGE PEEL SPRAY ON TEXTURE, WATER BASED	25	oz	06/03/2015
0001389426		ORANGE PEEL SPRAY ON TEXTURE, WATER BASED	25	oz	06/03/2015
0001389438		ORANGE PEEL SPRAY ON TEXTURE, WATER BASED	25	oz	06/03/2015
0001389428		ORANGE PEEL SPRAY ON TEXTURE, WATER BASED	25	oz	06/03/2015
0001389429		ORANGE PEEL SPRAY ON TEXTURE, WATER BASED	25	oz	06/03/2015
0001389389		BIG STRETCH CAULK	10.5	oz	06/03/2015
0001389416		BIG STRETCH CAULK	10.5	oz	06/03/2015
0001389385		PERMACRYL EXTERIOR SEMI-GLOSS WHITE BASE	1	gal	06/03/2015
0001389490		PERMACRYL INTERIOR SEMI-GLOSS WHITE BASE	1	gal	06/03/2015
0001389491		PERMACRYL INTERIOR SEMI-GLOSS WHITE BASE	1	gal	06/03/2015
0001389492		PERMACRYL INTERIOR SEMI-GLOSS WHITE BASE	1	gal	06/03/2015
0001389450		PERMACRYL INTERIOR FLAT MIDTONE BASE	1	gal	06/03/2015
0001389373		PERMACRYL eggshell white INTERIOR ACRYLIC DE-1531	5	gal	06/03/2015
0001389374		PERMACRYL eggshell white INTERIOR ACRYLIC DE-1531	5	gal	06/03/2015
0001389375		PERMACRYL eggshell white INTERIOR ACRYLIC DE-1531	5	gal	06/03/2015
0001389409		BIG STRETCH CAULK	10.5	oz	06/03/2015
0001389384		PERMACRYL EXTERIOR SEMI-GLOSS WHITE BASE	1	gal	06/03/2015
0001389408		BIG STRETCH CAULK	10.5	oz	06/03/2015
0001389386		PERMACRYL EXTERIOR SEMI-GLOSS WHITE BASE	1	gal	06/03/2015
0001389378		BIG STRETCH CAULK	10.5	oz	06/03/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001389379		BIG STRETCH CAULK	10.5	oz	06/03/2015
0001389380		BIG STRETCH CAULK	10.5	oz	06/03/2015
0001389381		BIG STRETCH CAULK	10.5	oz	06/03/2015
0001389382		BIG STRETCH CAULK	10.5	oz	06/03/2015
0001389427		ORANGE PEEL SPRAY ON TEXTURE, WATER BASED	25	oz	06/03/2015
0001389376		PERMACRYL eggshell white INTERIOR ACRYLIC DE-1531	5	gal	06/03/2015
0001389420		BIG STRETCH CAULK	10.5	oz	06/03/2015
0001389437		ORANGE PEEL SPRAY ON TEXTURE, WATER BASED	25	oz	06/03/2015
0001389436		ORANGE PEEL SPRAY ON TEXTURE, WATER BASED	25	oz	06/03/2015
0001389435		ORANGE PEEL SPRAY ON TEXTURE, WATER BASED	25	oz	06/03/2015
0001389434		ORANGE PEEL SPRAY ON TEXTURE, WATER BASED	25	oz	06/03/2015
0001389433		ORANGE PEEL SPRAY ON TEXTURE, WATER BASED	25	oz	06/03/2015
0001389431		ORANGE PEEL SPRAY ON TEXTURE, WATER BASED	25	oz	06/03/2015
0001341908		PHOSPHOROUS	2	gm	06/04/2015
0001327464		DC 3-6559 ACCELERATOR	0.45	kg	06/04/2015
0001327465		DC 3-6559 ACCELERATOR	0.45	kg	06/04/2015
0001327466		DC 3-6559 ACCELERATOR	0.45	kg	06/04/2015
0001327467		DC 3-6559 ACCELERATOR	0.45	kg	06/04/2015
0001327468		DC 3-6559 ACCELERATOR	0.45	kg	06/04/2015
0001327520	15681-89-7	SODIUM BORODEUTERIDE	5	gm	06/04/2015
0001327521	15681-89-7	SODIUM BORODEUTERIDE	5	gm	06/04/2015
0001327523	15681-89-7	SODIUM BORODEUTERIDE	5	gm	06/04/2015
0001327524	7440-20-2	SCANDIUM METAL	2	gm	06/04/2015
0001327525	7681-11-0	POTASSIUM IODIDE	100	gm	06/04/2015
0001311547		CARB AND CHOKE CLEANER	13	oz	06/04/2015
0001327527	10101-63-0	LEAD(II) IODIDE	25	gm	06/04/2015
0001146139		RTV SEALANT (SILICONE RUBBER)	300	ml	06/04/2015
0001382353	1310-73-2	Sodium Hydroxide 25%	3400	lb	06/04/2015
0001382354	1310-73-2	Sodium Hydroxide 25%	3400	lb	06/04/2015
0001382355	1310-73-2	Sodium Hydroxide 25%	3400	lb	06/04/2015
0001382356	1310-73-2	Sodium Hydroxide 25%	3400	lb	06/04/2015
0001382357	1310-73-2	Sodium Hydroxide 25%	3400	lb	06/04/2015
0001311542		DRY FILM MOLY LUBRICANT LU 200	11	oz	06/04/2015
0001311543		CARB AND CHOKE CLEANER	13	oz	06/04/2015
0001311544		CARB AND CHOKE CLEANER	13	oz	06/04/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001311545		CARB AND CHOKE CLEANER	13	oz	06/04/2015
0001327522	15681-89-7	SODIUM BORODEUTERIDE	5	gm	06/04/2015
0001327526	7681-82-5	SODIUM IODIDE	100	gm	06/04/2015
0001311571		MOTOR OIL	1	qt	06/04/2015
0001311532		CHAIN AND CABLE FLUID	11	oz	06/04/2015
0001311533		CHAIN AND CABLE FLUID	11	oz	06/04/2015
0001311534		CHAIN AND CABLE FLUID	11	oz	06/04/2015
0001311535		CHAIN AND CABLE FLUID	11	oz	06/04/2015
0001311537		DRY FILM MOLY LUBRICANT LU 200	11	oz	06/04/2015
0001311538		DRY FILM MOLY LUBRICANT LU 200	11	oz	06/04/2015
0001311539		DRY FILM MOLY LUBRICANT LU 200	11	oz	06/04/2015
0001311540		DRY FILM MOLY LUBRICANT LU 200	11	oz	06/04/2015
0001311541		DRY FILM MOLY LUBRICANT LU 200	11	oz	06/04/2015
0001389512		SPRAY PAINT YELLOW	12	oz	06/04/2015
0001327463		DC 3-6559 ACCELERATOR	0.45	kg	06/04/2015
0001311572		MOTOR OIL	1	qt	06/04/2015
0001327462		MOBIL RARUS 829	5	gal	06/04/2015
0001311570		MOTOR OIL	1	qt	06/04/2015
0001311569		MOTOR OIL	1	qt	06/04/2015
0001311568		MOTOR OIL	1	qt	06/04/2015
0001311567		SAE 30 MOTOR OIL	1	qt	06/04/2015
0001311566		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	06/04/2015
0001311565		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	06/04/2015
0001311564		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	06/04/2015
0001311563		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	06/04/2015
0001311562		ATF DEX/MERC AUTOMATIC TRANSMISSION FLUID	1	qt	06/04/2015
0001311536		DRY FILM MOLY LUBRICANT LU 200	11	oz	06/04/2015
0001311548		CARB AND CHOKE CLEANER	13	oz	06/04/2015
0001389514		HENRY440	1	gal	06/04/2015
0001389366		Defacer Eraser Graffiti Wipe	1	gal	06/04/2015
0001311546		CARB AND CHOKE CLEANER	13	oz	06/04/2015
0001327454	110-54-3	HEXANE HPLC	4	l	06/04/2015
0001327455	144-55-8	SODIUM BICARBONATE	500	gm	06/04/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001327456	53369-71-4	N,N,2,2-TETRAMETHYL-1,3-PROPANEDIAMINE	25	gm	06/04/2015
0001327457	865-49-6	CHLOROFORM-D	100	ml	06/04/2015
0001327458	865-49-6	CHLOROFORM-D	100	ml	06/04/2015
0001327459	865-49-6	CHLOROFORM-D	100	ml	06/04/2015
0001311591		GASKET AND JOINT COMPOUND	1.69	oz	06/04/2015
0001327460	67-56-1	METHANOL	4	l	06/04/2015
0001327461	67-56-1	METHANOL	4	l	06/04/2015
0001327452	110-54-3	HEXANE HPLC	4	l	06/04/2015
0001389365		Defacer Eraser Graffiti Wipe	1	gal	06/04/2015
0001327451	110-54-3	HEXANE HPLC	4	l	06/04/2015
0001389367		Defacer Eraser Graffiti Wipe	1	gal	06/04/2015
0001389368		Defacer Eraser Graffiti Wipe	1	gal	06/04/2015
0001389369		Defacer Eraser Graffiti Wipe	1	gal	06/04/2015
0001389370		Defacer Eraser Graffiti Wipe	1	gal	06/04/2015
0001389371		Defacer Eraser Graffiti Wipe	1	gal	06/04/2015
0001389361		Enviro Clean SafStrip 8	1	gal	06/04/2015
0001389362		Enviro Clean SafStrip 8	1	gal	06/04/2015
0001389363		Enviro Clean SafStrip 8	1	gal	06/04/2015
0001389359		Sure Klean Marble Poultice	25	lb	06/04/2015
0001146136		RTV SEALANT (SILICONE RUBBER)	300	ml	06/04/2015
0001146137		RTV SEALANT (SILICONE RUBBER)	300	ml	06/04/2015
0001389358		Sure Klean Marble Poultice	25	lb	06/04/2015
0001311583		ANTIFREEZE/COOLANT	1	gal	06/04/2015
0001311553		BATTERY TERMINAL CLEANER	7.5	oz	06/04/2015
0001311554		DI-ELECTRIC GREASE	3.3	oz	06/04/2015
0001311555		QD ELECTRONIC CLEANER	11	oz	06/04/2015
0001311556		QD ELECTRONIC CLEANER	11	oz	06/04/2015
0001311557		STA-BIL FUEL STABILIZER	8	oz	06/04/2015
0001311558		AIR TOOL OIL	15	oz	06/04/2015
0001311559		AUTOMATIC TRANSMISSION FLUID	1	qt	06/04/2015
0001311560		AUTOMATIC TRANSMISSION FLUID	1	qt	06/04/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001311561		AUTOMATIC TRANSMISSION FLUID	1	qt	06/04/2015
0001311580		ANTIFREEZE/COOLANT	1	gal	06/04/2015
0001327453	110-54-3	HEXANE HPLC	4	l	06/04/2015
0001311582		ANTIFREEZE/COOLANT	1	gal	06/04/2015
0001146138		RTV SEALANT (SILICONE RUBBER)	300	ml	06/04/2015
0001311584		DIESEL EXHAUST FLUID	2.5	gal	06/04/2015
0001311585		DIESEL EXHAUST FLUID	2.5	gal	06/04/2015
0001311586		DIESEL EXHAUST FLUID	2.5	gal	06/04/2015
0001311587		DIESEL EXHAUST FLUID	2.5	gal	06/04/2015
0001311588		DIESEL EXHAUST FLUID	2.5	gal	06/04/2015
0001311589		DIESEL EXHAUST FLUID	2.5	gal	06/04/2015
0001311590		TRANSMISSION FLUID	5	gal	06/04/2015
0001311573		THREADLOCKER RED HIGH TEMP	0.34	oz	06/04/2015
0001327449	7487-88-9	MAGNESIUM SULFATE, ANHYDROUS	500	gm	06/04/2015
0001327450	7647-14-5	SODIUM CHLORIDE CERTIFIED ACS	500	gm	06/04/2015
0001311581		ANTIFREEZE/COOLANT	1	gal	06/04/2015
0001389525		HENRY440	1	gal	06/04/2015
0001389524		HENRY440	1	gal	06/04/2015
0001389523		HENRY440	1	gal	06/04/2015
0001389522		HENRY440	1	gal	06/04/2015
0001389521		HENRY440	1	gal	06/04/2015
0001311577		WINDSHIELD WASHER FLUID	1	gal	06/04/2015
0001389519		HENRY440	1	gal	06/04/2015
0001389526		HENRY440	1	gal	06/04/2015
0001389516		HENRY440	1	gal	06/04/2015
0001389520		HENRY440	1	gal	06/04/2015
0001389515		HENRY440	1	gal	06/04/2015
0001389517		HENRY440	1	gal	06/04/2015
0001389536		HENRY440	1	gal	06/04/2015
0001389518		HENRY440	1	gal	06/04/2015
0001311575		WINDSHIELD WASHER FLUID	1	gal	06/04/2015
0001389527		HENRY440	1	gal	06/04/2015
0001311576		WINDSHIELD WASHER FLUID	1	gal	06/04/2015
0001311579		WINDSHIELD WASHER FLUID	1	gal	06/04/2015
0001311578		WINDSHIELD WASHER FLUID	1	gal	06/04/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001389538		HENRY440	1	gal	06/04/2015
0001311574		WINDSHIELD WASHER FLUID	1	gal	06/04/2015
0001389539		HENRY440	1	gal	06/04/2015
0001389537		HENRY440	1	gal	06/04/2015
0001389535		HENRY440	1	gal	06/04/2015
0001389534		HENRY440	1	gal	06/04/2015
0001389533		HENRY440	1	gal	06/04/2015
0001389532		HENRY440	1	gal	06/04/2015
0001389531		HENRY440	1	gal	06/04/2015
0001389530		HENRY440	1	gal	06/04/2015
0001389529		HENRY440	1	gal	06/04/2015
0001389528		HENRY440	1	gal	06/04/2015
0001311603		GEAR LUBRICANT	1	qt	06/05/2015
0001311602		GEAR LUBRICANT	1	qt	06/05/2015
0001098188	7722-84-1	HYDROGEN PEROXIDE, 30% SOLUTION	100	ml	06/05/2015
0001305044	100-31-2	4,4'-STILBENEDICARBOXYLIC ACID	25	gm	06/05/2015
0000783662		UTEVA RESIN	200	gm	06/05/2015
0000954701	63123-01-3	TETRAETHYLAMMONIUM FLUORIDE HYDRATE	25	gm	06/05/2015
0000720254	67-64-1	ACETONE	8.25	ml	06/05/2015
0000720272	22560-21-0	POTASSIUM TRIETHYLBOROHYDRIDE	100	ml	06/05/2015
0001110564	107667-02-7	DIISOCTYLDITHIOPHOSPHINIC ACID	100	ml	06/05/2015
0001311601		GEAR LUBRICANT	1	qt	06/05/2015
0001311600		GEAR LUBRICANT	1	qt	06/05/2015
0001311593		GEAR LUBRICANT	1	qt	06/05/2015
0001341112	108-88-3	TOLUENE	1	l	06/05/2015
0001311592		GEAR LUBRICANT	1	qt	06/05/2015
0001311599		GEAR LUBRICANT	1	qt	06/05/2015
0001311594		GEAR LUBRICANT	1	qt	06/05/2015
0001311595		GEAR LUBRICANT	1	qt	06/05/2015
0001311596		GEAR LUBRICANT	1	qt	06/05/2015
0001311597		GEAR LUBRICANT	1	qt	06/05/2015
0001311598		GEAR LUBRICANT	1	qt	06/05/2015
0001389633		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389625		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389626		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389627		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389628		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389629		ETHANOL 200 PROOF	1	pt	06/08/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001389630		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389616		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389645		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389658		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389657		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389656		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389655		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389654		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389653		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389652		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389651		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389650		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389649		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389648		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389631		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389646		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389632		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389644		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389643		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389642		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389641		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389640		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389639		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389638		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389637		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389636		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389635		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389634		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389659		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389647		ETHANOL 200 PROOF	1	pt	06/08/2015
0001327553	7789-20-0	DEUTERIUM OXIDE	1	kg	06/08/2015
0001389735		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389736		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389737		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389738		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389739		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389740		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389846		ETHANOL 200 PROOF	1	pt	06/08/2015
0001327561	7789-20-0	DEUTERIUM OXIDE	1	kg	06/08/2015
0001327550	103-90-2	ACETAMINOPHEN	500	gm	06/08/2015
0001389732		ETHANOL 200 PROOF	1	pt	06/08/2015
0001327554	7789-20-0	DEUTERIUM OXIDE	1	kg	06/08/2015
0001327555	7789-20-0	DEUTERIUM OXIDE	1	kg	06/08/2015
0001327556	7789-20-0	DEUTERIUM OXIDE	1	kg	06/08/2015
0001327557	7789-20-0	DEUTERIUM OXIDE	1	kg	06/08/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001327558	7789-20-0	DEUTERIUM OXIDE	1	kg	06/08/2015
0001327559	7789-20-0	DEUTERIUM OXIDE	1	kg	06/08/2015
0001389714		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389847		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389724		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389748		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389716		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389717		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389718		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389719		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389720		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389721		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389734		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389723		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389733		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389725		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389726		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389727		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389728		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389729		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389730		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389731		ETHANOL 200 PROOF	1	pt	06/08/2015
0001327562	7789-20-0	DEUTERIUM OXIDE	1	kg	06/08/2015
0001389722		ETHANOL 200 PROOF	1	pt	06/08/2015
0001341910	7772-98-7	SODIUM THIOSULFATE	500	gm	06/08/2015
0001327583		5-MINUTE EPOXY	1	oz	06/08/2015
0001327584		5-MINUTE EPOXY	1	oz	06/08/2015
0001327585		5-MINUTE EPOXY	1	oz	06/08/2015
0001311604		QUINSYN-PLUS SYNTHETIC AIR COMPRESSOR FLUID	5	gal	06/08/2015
0001327586	57-13-6	UREA REAGENT ACS	500	gm	06/08/2015
0001327587	57-13-6	UREA REAGENT ACS	500	gm	06/08/2015
0001327588	57-13-6	UREA REAGENT ACS	500	gm	06/08/2015
0001327560	7789-20-0	DEUTERIUM OXIDE	1	kg	06/08/2015
0001327590	57-13-6	UREA REAGENT ACS	500	gm	06/08/2015
0001327580	7789-20-0	DEUTERIUM OXIDE	1	kg	06/08/2015
0001302861	7647-01-0	HYDROCHLORIC ACID, CONCENTRATED (36-37%)	500	ml	06/08/2015
0001134187	6381-79-9	POTASSIUM CARBONATE, SESQUIHYDRATE	500	gm	06/08/2015
0001167134	1310-58-3	POTASSIUM HYDROXIDE	100	gm	06/08/2015
0001382358	7732-18-5	Hydrochloric Acid 30-31%	3000	lb	06/08/2015
0001382359	7732-18-5	Hydrochloric Acid 30-31%	3000	lb	06/08/2015
0001382360	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	06/08/2015
0001382361	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	06/08/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001327589	57-13-6	UREA REAGENT ACS	500	gm	06/08/2015
0001327572	7789-20-0	DEUTERIUM OXIDE	1	kg	06/08/2015
0001327563	7789-20-0	DEUTERIUM OXIDE	1	kg	06/08/2015
0001327564	7789-20-0	DEUTERIUM OXIDE	1	kg	06/08/2015
0001327565	7789-20-0	DEUTERIUM OXIDE	1	kg	06/08/2015
0001327566	7789-20-0	DEUTERIUM OXIDE	1	kg	06/08/2015
0001327567	7789-20-0	DEUTERIUM OXIDE	1	kg	06/08/2015
0001327568	7789-20-0	DEUTERIUM OXIDE	1	kg	06/08/2015
0001327569	7789-20-0	DEUTERIUM OXIDE	1	kg	06/08/2015
0001327582	7789-20-0	DEUTERIUM OXIDE	1	kg	06/08/2015
0001327571	7789-20-0	DEUTERIUM OXIDE	1	kg	06/08/2015
0001327581	7789-20-0	DEUTERIUM OXIDE	1	kg	06/08/2015
0001327573	7789-20-0	DEUTERIUM OXIDE	1	kg	06/08/2015
0001327574	7789-20-0	DEUTERIUM OXIDE	1	kg	06/08/2015
0001327575	7789-20-0	DEUTERIUM OXIDE	1	kg	06/08/2015
0001327576	7789-20-0	DEUTERIUM OXIDE	1	kg	06/08/2015
0001327577	7789-20-0	DEUTERIUM OXIDE	1	kg	06/08/2015
0001327578	7789-20-0	DEUTERIUM OXIDE	1	kg	06/08/2015
0001327579	7789-20-0	DEUTERIUM OXIDE	1	kg	06/08/2015
0001389713		ETHANOL 200 PROOF	1	pt	06/08/2015
0001327570	7789-20-0	DEUTERIUM OXIDE	1	kg	06/08/2015
0001389778		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389769		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389770		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389771		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389772		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389773		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389774		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389775		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389674		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389777		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389766		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389779		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389780		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389781		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389782		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389783		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389672		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389715		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389776		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389758		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389749		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389750		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389751		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389752		ETHANOL 200 PROOF	1	pt	06/08/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001389753		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389754		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389755		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389768		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389757		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389767		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389759		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389760		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389761		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389762		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389763		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389764		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389765		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389675		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389756		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389705		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389696		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389697		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389698		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389699		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389700		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389701		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389702		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389673		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389704		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389693		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389706		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389707		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389708		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389709		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389710		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389711		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389712		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389703		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389685		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389676		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389677		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389678		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389679		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389680		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389681		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389682		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389695		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389684		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389694		ETHANOL 200 PROOF	1	pt	06/08/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001389686		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389687		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389688		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389689		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389690		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389691		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389692		ETHANOL 200 PROOF	1	pt	06/08/2015
0001382364	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	06/08/2015
0001389683		ETHANOL 200 PROOF	1	pt	06/08/2015
0001327476		EUROPIUM STANDARD	50	ml	06/08/2015
0001280754		HARDMAN EPOXY	3.5	gm	06/08/2015
0001280755		HARDMAN EPOXY	3.5	gm	06/08/2015
0001280756		HARDMAN EPOXY	3.5	gm	06/08/2015
0001280757		HARDMAN EPOXY	3.5	gm	06/08/2015
0001280758		HARDMAN EPOXY	3.5	gm	06/08/2015
0001280759		HARDMAN EPOXY	3.5	gm	06/08/2015
0001280760		HARDMAN EPOXY	3.5	gm	06/08/2015
0001327532	80731-10-8	D(-)-3-PHOSPHOGLYCERIC ACID	10	mg	06/08/2015
0001327475		ERBIUM STANDARD	50	ml	06/08/2015
0001280751		HARDMAN EPOXY	3.5	gm	06/08/2015
0001327477		GADOLINIUM STANDARD	50	ml	06/08/2015
0001327478		LUTETIUM STANDARD	50	ml	06/08/2015
0001327479		YTTERBIUM STANDARD	50	ml	06/08/2015
0001327528		HIGH VACUUM GREASE (SILICONE LUBRICANT)	5.3	oz	06/08/2015
0001327529		HIGH VACUUM GREASE (SILICONE LUBRICANT)	5.3	oz	06/08/2015
0001327530		HIGH VACUUM GREASE (SILICONE LUBRICANT)	5.3	oz	06/08/2015
0001382362	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	06/08/2015
0001327474		DYSPROSIUM STANDARD	50	ml	06/08/2015
0001362585	74-86-2	ACETYLENE	10	cf	06/08/2015
0001327495	67-64-1	ACETONE HISTOLOGICAL GRADE	1	gal	06/08/2015
0001327496	67-64-1	ACETONE HISTOLOGICAL GRADE	1	gal	06/08/2015
0001327497	67-64-1	ACETONE HISTOLOGICAL GRADE	1	gal	06/08/2015
0001327498	67-64-1	ACETONE HISTOLOGICAL GRADE	1	gal	06/08/2015
0001362580	74-86-2	ACETYLENE	10	cf	06/08/2015
0001362581	74-86-2	ACETYLENE	10	cf	06/08/2015
0001362582	74-86-2	ACETYLENE	10	cf	06/08/2015
0001280753		HARDMAN EPOXY	3.5	gm	06/08/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001362584	74-86-2	ACETYLENE	10	cf	06/08/2015
0001280752		HARDMAN EPOXY	3.5	gm	06/08/2015
0001362586	74-86-2	ACETYLENE	10	cf	06/08/2015
0001362587	74-86-2	ACETYLENE	10	cf	06/08/2015
0001362588	74-98-6	PROPANE	11	gal	06/08/2015
0001362589	74-98-6	PROPANE	11	gal	06/08/2015
0001362590	74-98-6	PROPANE	11	gal	06/08/2015
0001362591	74-98-6	PROPANE	11	gal	06/08/2015
0000592523		MOLECULAR SIEVES TYPE Y	50	gm	06/08/2015
0001327533	80731-10-8	D(-)3-PHOSPHOGLYCERIC ACID	10	mg	06/08/2015
0001362583	74-86-2	ACETYLENE	10	cf	06/08/2015
0001389542	64-17-5	ETHYL ALCOHOL 200 PROOF	1	gal	06/08/2015
0001327535	25837-05-2	Ethylbenzene-d10	10	ml	06/08/2015
0001327536	25837-05-2	Ethylbenzene-d10	10	ml	06/08/2015
0001327537	25837-05-2	Ethylbenzene-d10	10	ml	06/08/2015
0001327538	25837-05-2	Ethylbenzene-d10	10	ml	06/08/2015
0001327539	25837-05-2	Ethylbenzene-d10	10	ml	06/08/2015
0001327540	25837-05-2	Ethylbenzene-d10	10	ml	06/08/2015
0001327541	25837-05-2	Ethylbenzene-d10	10	ml	06/08/2015
0001327531	80731-10-8	D(-)3-PHOSPHOGLYCERIC ACID	10	mg	06/08/2015
0001389541	64-17-5	ETHYL ALCOHOL 200 PROOF	1	gal	06/08/2015
0001382367	1310-73-2	Sodium Hydroxide 25%	3400	lb	06/08/2015
0001389543	64-17-5	ETHYL ALCOHOL 200 PROOF	1	gal	06/08/2015
0001389544	64-17-5	ETHYL ALCOHOL 200 PROOF	1	gal	06/08/2015
0001389545	64-17-5	ETHYL ALCOHOL 200 PROOF	1	gal	06/08/2015
0001389546	64-17-5	ETHYL ALCOHOL 200 PROOF	1	gal	06/08/2015
0001389547	64-17-5	ETHYL ALCOHOL 200 PROOF	1	gal	06/08/2015
0001389548	64-17-5	ETHYL ALCOHOL 200 PROOF	1	gal	06/08/2015
0001362531		P-10 (90% ARGON 10% METHANE)	220	cf	06/08/2015
0001389560		ETHANOL 200 PROOF	1	pt	06/08/2015
0001327596	69-52-3	AMPICILLIN SODIUM	25	gm	06/08/2015
0001327534	25837-05-2	Ethylbenzene-d10	10	ml	06/08/2015
0001327499	67-64-1	ACETONE HISTOLOGICAL GRADE	1	gal	06/08/2015
0001327551		DC 3-6559 ACCELERATOR	0.45	kg	06/08/2015
0001327552		DC 3-6559 ACCELERATOR	0.45	kg	06/08/2015
0001327591		VACUUM PUMP OIL	1	l	06/08/2015
0001327592		VACUUM PUMP OIL	1	l	06/08/2015
0001327593		VACUUM PUMP OIL	1	l	06/08/2015
0001382369	1310-73-2	Sodium Hydroxide 25%	3400	lb	06/08/2015
0001327595	75-07-0	ACETALDEHYDE	100	ml	06/08/2015
0001382368	1310-73-2	Sodium Hydroxide 25%	3400	lb	06/08/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001327597		INSTRUMENT CHECK STANDARD 6	125	ml	06/08/2015
0001327598		INSTRUMENT CHECK STANDARD 6	125	ml	06/08/2015
0001327599		INSTRUMENT CHECK STANDARD 6	125	ml	06/08/2015
0001341838	67-63-0	2-PROPANOL	1	l	06/08/2015
0001341909	7664-93-9	SULFURIC ACID	1	l	06/08/2015
0001382365	1310-73-2	Sodium Hydroxide 25%	3400	lb	06/08/2015
0001382366	1310-73-2	Sodium Hydroxide 25%	3400	lb	06/08/2015
0001327492	67-64-1	ACETONE HISTOLOGICAL GRADE	1	gal	06/08/2015
0001327594	2206-26-0	ACETONITRILE D3	50	gm	06/08/2015
0001362552		25% CARBON DIOXIDE/75% ARGON	220	cf	06/08/2015
0001389620		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389621		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389622		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389623		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389624		ETHANOL 200 PROOF	1	pt	06/08/2015
0001362548		10% METHANE/90% ARGON	220	cf	06/08/2015
0001362549		10% METHANE/90% ARGON	220	cf	06/08/2015
0001327494	67-64-1	ACETONE HISTOLOGICAL GRADE	1	gal	06/08/2015
0001362551		25% CARBON DIOXIDE/75% ARGON	220	cf	06/08/2015
0001389617		ETHANOL 200 PROOF	1	pt	06/08/2015
0001362553		25% CARBON DIOXIDE/75% ARGON	220	cf	06/08/2015
0001327473		CERIUM STANDARD	50	ml	06/08/2015
0001389784		ETHANOL 200 PROOF	1	pt	06/08/2015
0001362555	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/08/2015
0001389614		ETHANOL 200 PROOF	1	pt	06/08/2015
0001362557	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/08/2015
0001362558	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/08/2015
0001362550		10% METHANE/90% ARGON	220	cf	06/08/2015
0001327485	67-64-1	ACETONE HISTOLOGICAL GRADE	1	gal	06/08/2015
0001362554	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/08/2015
0000685677	1310-73-2	SODIUM HYDROXIDE	100	gm	06/08/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0011187727	3328-69-6	2-Hydroxyisophthalaldehyde	5	gm	06/08/2015
0000913060		CARBON-13C DIOXIDE-1802	1	l	06/08/2015
0001327480	67-64-1	ACETONE HISTOLOGICAL GRADE	1	gal	06/08/2015
0001327481	67-64-1	ACETONE HISTOLOGICAL GRADE	1	gal	06/08/2015
0001327482	67-64-1	ACETONE HISTOLOGICAL GRADE	1	gal	06/08/2015
0001389619		ETHANOL 200 PROOF	1	pt	06/08/2015
0001327484	67-64-1	ACETONE HISTOLOGICAL GRADE	1	gal	06/08/2015
0001389618		ETHANOL 200 PROOF	1	pt	06/08/2015
0001327486	67-64-1	ACETONE HISTOLOGICAL GRADE	1	gal	06/08/2015
0001327487	67-64-1	ACETONE HISTOLOGICAL GRADE	1	gal	06/08/2015
0001389610		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389611		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389612		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389613		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389615		ETHANOL 200 PROOF	1	pt	06/08/2015
0001362561	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/08/2015
0001327483	67-64-1	ACETONE HISTOLOGICAL GRADE	1	gal	06/08/2015
0001362576	74-86-2	ACETYLENE	40	cf	06/08/2015
0001362559	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/08/2015
0001362569	74-86-2	ACETYLENE	240	cf	06/08/2015
0001362570	74-86-2	ACETYLENE	130	cf	06/08/2015
001149393		LB BROTH MILLER	2	kg	06/08/2015
0001362571	74-86-2	ACETYLENE	130	cf	06/08/2015
0001362572	74-86-2	ACETYLENE	40	cf	06/08/2015
0001362573	74-86-2	ACETYLENE	40	cf	06/08/2015
0001362567	74-86-2	ACETYLENE	240	cf	06/08/2015
0001362575	74-86-2	ACETYLENE	40	cf	06/08/2015
0001362507	7440-37-1	ARGON, COMPRESSED	220	cf	06/08/2015
0001362577	74-86-2	ACETYLENE	10	cf	06/08/2015
0001362578	74-86-2	ACETYLENE	10	cf	06/08/2015
0001362579	74-86-2	ACETYLENE	10	cf	06/08/2015
0001327488	67-64-1	ACETONE HISTOLOGICAL GRADE	1	gal	06/08/2015
0001327489	67-64-1	ACETONE HISTOLOGICAL GRADE	1	gal	06/08/2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001327490	67-64-1	ACETONE HISTOLOGICAL GRADE	1	gal	06/08/2015
0001327491	67-64-1	ACETONE HISTOLOGICAL GRADE	1	gal	06/08/2015
0001382363	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	06/08/2015
0001362574	74-86-2	ACETYLENE	40	cf	06/08/2015
0001327472		AMMONIA pH ADJUST. ISA	475	ml	06/08/2015
0001327493	67-64-1	ACETONE HISTOLOGICAL GRADE	1	gal	06/08/2015
0001362562	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/08/2015
0001362563	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/08/2015
0001362564	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/08/2015
0001362565	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/08/2015
0001362566	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/08/2015
0001327469		AMMONIA pH ADJUST. ISA	475	ml	06/08/2015
0001362568	74-86-2	ACETYLENE	240	cf	06/08/2015
0001327471		AMMONIA pH ADJUST. ISA	475	ml	06/08/2015
0001362560	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/08/2015
0001362476		OXYGEN IN NITROGEN	10	cf	06/08/2015
0001362477		OXYGEN IN NITROGEN	10	cf	06/08/2015
0001362478		OXYGEN IN NITROGEN	10	cf	06/08/2015
0001362496	7440-37-1	ARGON, COMPRESSED	220	cf	06/08/2015
0001362497	7440-37-1	ARGON, COMPRESSED	220	cf	06/08/2015
0001362498	7440-37-1	ARGON, COMPRESSED	220	cf	06/08/2015
0001362499	7440-37-1	ARGON, COMPRESSED	220	cf	06/08/2015
0001362500	7440-37-1	ARGON, COMPRESSED	220	cf	06/08/2015
0001327470		AMMONIA pH ADJUST. ISA	475	ml	06/08/2015
0001389550	64-17-5	ETHYL ALCOHOL 200 PROOF	1	gal	06/08/2015
0001389588		ETHANOL 200 PROOF	1	pt	06/08/2015
0001327545	19259-90-6	ACETYL-D3 CHLORIDE	5	gm	06/08/2015
0001327544	19259-90-6	ACETYL-D3 CHLORIDE	5	gm	06/08/2015
0001327543	19259-90-6	ACETYL-D3 CHLORIDE	5	gm	06/08/2015
0001327542	28077-64-7	ACETOPHENONE-2',3',4',5',	5	gm	06/08/2015
0001389559	64-17-5	ETHYL ALCOHOL 200 PROOF	1	gal	06/08/2015
0001389558	64-17-5	ETHYL ALCOHOL 200 PROOF	1	gal	06/08/2015
0001389557	64-17-5	ETHYL ALCOHOL 200 PROOF	1	gal	06/08/2015
0001389556	64-17-5	ETHYL ALCOHOL 200 PROOF	1	gal	06/08/2015
0001389555	64-17-5	ETHYL ALCOHOL 200 PROOF	1	gal	06/08/2015
0001389747		ETHANOL 200 PROOF	1	pt	06/08/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001389553	64-17-5	ETHYL ALCOHOL 200 PROOF	1	gal	06/08/2015
0001327547	19259-90-6	ACETYL-D3 CHLORIDE	5	gm	06/08/2015
0001389551	64-17-5	ETHYL ALCOHOL 200 PROOF	1	gal	06/08/2015
0001327548	19259-90-6	ACETYL-D3 CHLORIDE	5	gm	06/08/2015
0001389549	64-17-5	ETHYL ALCOHOL 200 PROOF	1	gal	06/08/2015
0001389845		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389844		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389843		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389842		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389841		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389840		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389839		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389838		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389837		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389836		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389835		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389834		ETHANOL 200 PROOF	1	pt	06/08/2015
0001362556	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/08/2015
0001389573		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389587		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389586		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389585		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389584		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389583		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389582		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389581		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389580		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389579		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389578		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389577		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389576		ETHANOL 200 PROOF	1	pt	06/08/2015
0001327546	19259-90-6	ACETYL-D3 CHLORIDE	5	gm	06/08/2015
0001389574		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389831		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389572		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389571		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389570		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389569		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389568		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389567		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389566		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389565		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389564		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389563		ETHANOL 200 PROOF	1	pt	06/08/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001389562		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389561		ETHANOL 200 PROOF	1	pt	06/08/2015
0001327549	19259-90-6	ACETYL-D3 CHLORIDE	5	gm	06/08/2015
0001389575		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389798		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389800		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389671		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389670		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389669		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389668		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389667		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389666		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389665		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389664		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389663		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389662		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389661		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389833		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389799		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389803		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389797		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389796		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389795		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389794		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389793		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389792		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389791		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389790		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389789		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389788		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389787		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389786		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389785		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389660		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389816		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389554	64-17-5	ETHYL ALCOHOL 200 PROOF	1	gal	06/08/2015
0001389830		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389829		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389828		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389827		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389826		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389825		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389824		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389823		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389822		ETHANOL 200 PROOF	1	pt	06/08/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001389821		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389820		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389819		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389801		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389810		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389832		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389804		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389805		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389806		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389807		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389818		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389809		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389817		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389811		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389812		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389813		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389814		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389815		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389802		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389808		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389602		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389590		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389592		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389605		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389594		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389595		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389596		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389597		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389598		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389599		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389589		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389601		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389591		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389603		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389604		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389552	64-17-5	ETHYL ALCOHOL 200 PROOF	1	gal	06/08/2015
0001389741		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389742		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389743		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389606		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389745		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389744		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389600		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389608		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389607		ETHANOL 200 PROOF	1	pt	06/08/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001389593		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389609		ETHANOL 200 PROOF	1	pt	06/08/2015
0001389746		ETHANOL 200 PROOF	1	pt	06/08/2015
0001362534		P-10 (90% ARGON 10% METHANE)	220	cf	06/08/2015
0001362535		P-10 (90% ARGON 10% METHANE)	220	cf	06/08/2015
0001362542		10% HYDROGEN/90% NITROGEN	220	cf	06/08/2015
0001362536		P-10 (90% ARGON 10% METHANE)	220	cf	06/08/2015
0001362503	7440-37-1	ARGON, COMPRESSED	220	cf	06/08/2015
0001362537		P-10 (90% ARGON 10% METHANE)	220	cf	06/08/2015
0001362538		P-10 (90% ARGON 10% METHANE)	220	cf	06/08/2015
0001362539		P-10 (90% ARGON 10% METHANE)	220	cf	06/08/2015
0001362541		P-10 (90% ARGON 10% METHANE)	220	cf	06/08/2015
0001362543		10% METHANE/90% ARGON	220	cf	06/08/2015
0001362544		10% METHANE/90% ARGON	220	cf	06/08/2015
0001362545		10% METHANE/90% ARGON	220	cf	06/08/2015
0001362546		10% METHANE/90% ARGON	220	cf	06/08/2015
0001362547		10% METHANE/90% ARGON	220	cf	06/08/2015
0001362540		P-10 (90% ARGON 10% METHANE)	220	cf	06/08/2015
0001362504	7440-37-1	ARGON, COMPRESSED	220	cf	06/08/2015
0001362518	7440-37-1	ARGON, COMPRESSED	220	cf	06/08/2015
0001362519	7440-37-1	ARGON, COMPRESSED	220	cf	06/08/2015
0001362516	7440-37-1	ARGON, COMPRESSED	220	cf	06/08/2015
0001362515	7440-37-1	ARGON, COMPRESSED	220	cf	06/08/2015
0001362514	7440-37-1	ARGON, COMPRESSED	220	cf	06/08/2015
0001362512	7440-37-1	ARGON, COMPRESSED	220	cf	06/08/2015
0001362513	7440-37-1	ARGON, COMPRESSED	220	cf	06/08/2015
0001362533		P-10 (90% ARGON 10% METHANE)	220	cf	06/08/2015
0001362501	7440-37-1	ARGON, COMPRESSED	220	cf	06/08/2015
0001362517	7440-37-1	ARGON, COMPRESSED	220	cf	06/08/2015
0001362502	7440-37-1	ARGON, COMPRESSED	220	cf	06/08/2015
0001362505	7440-37-1	ARGON, COMPRESSED	220	cf	06/08/2015
0001362506	7440-37-1	ARGON, COMPRESSED	220	cf	06/08/2015
0001362520	7440-37-1	ARGON, COMPRESSED	220	cf	06/08/2015
0001362530		P-10 (90% ARGON 10% METHANE)	220	cf	06/08/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001362508	7440-37-1	ARGON, COMPRESSED	220	cf	06/08/2015
0001362509	7440-37-1	ARGON, COMPRESSED	220	cf	06/08/2015
0001362510	7440-37-1	ARGON, COMPRESSED	220	cf	06/08/2015
0001362521	7440-37-1	ARGON, COMPRESSED	220	cf	06/08/2015
0001362511	7440-37-1	ARGON, COMPRESSED	220	cf	06/08/2015
0001362529		P-10 (90% ARGON 10% METHANE)	220	cf	06/08/2015
0001362528		P-10 (90% ARGON 10% METHANE)	220	cf	06/08/2015
0001362526		P-10 (90% ARGON 10% METHANE)	220	cf	06/08/2015
0001362525	7440-37-1	ARGON, COMPRESSED	220	cf	06/08/2015
0001362532		P-10 (90% ARGON 10% METHANE)	220	cf	06/08/2015
0001362524	7440-37-1	ARGON, COMPRESSED	220	cf	06/08/2015
0001362523	7440-37-1	ARGON, COMPRESSED	220	cf	06/08/2015
0001362522	7440-37-1	ARGON, COMPRESSED	220	cf	06/08/2015
0001362527		P-10 (90% ARGON 10% METHANE)	220	cf	06/08/2015
0001389860		BROMICIDE TABLETS	50	lb	06/09/2015
0001317830	79-06-1	ACRYLAMIDE	100	ml	06/09/2015
0001362475		Nitrogen Dioxide 1500 PPM, Nitrogen	150	cf	06/09/2015
0001362487		Nitric Oxide 5,010 PPM, Nitrogen	150	cf	06/09/2015
0001362488		Nitric Oxide 1,502 PPM, Nitrogen	150	cf	06/09/2015
0001362489	115-07-1	PROPYLENE	150	cf	06/09/2015
0001362490		Nitrogen Dioxide 1500 PPM, Nitrogen	150	cf	06/09/2015
0001362491		Carbon Monoxide 501 PPM, Nitrogen	150	cf	06/09/2015
0001362492		Propane 2.517 PPM, Nitrogen	150	cf	06/09/2015
0001362493		Nitrous Oxide 502 PPM, Nitrogen	150	cf	06/09/2015
0001362494		Ammonia 1,500 PPM, Nitrogen	150	cf	06/09/2015
0001362598	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	06/09/2015
0001362592		Krypton 1000 PPM, Xenon 1000 PPM	220	cf	06/09/2015
0001389858		BROMICIDE TABLETS	50	lb	06/09/2015
0001389859		BROMICIDE TABLETS	50	lb	06/09/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001317797	7789-20-0	DEUTERIUM OXIDE	10	gm	06/09/2015
0001317844		BORANE DIMETHYL AMINE COMPLEX	100	gm	06/09/2015
0001317835	13446-34-9	MANGANESE CHLORIDE TETRAHYDRATE	500	gm	06/09/2015
0000912984	108-88-3	TOLUENE ANHYDROUS	250	ml	06/09/2015
0000912983	108-88-3	TOLUENE ANHYDROUS	250	ml	06/09/2015
0000912982	64-19-7	ACETIC ACID, GLACIAL	1	l	06/09/2015
0000912977		SILICON OIL	250	ml	06/09/2015
0000912979	60-24-2	2-MERCAPTOETHANOL	250	ml	06/09/2015
0001389861		BROMICIDE TABLETS	50	lb	06/09/2015
0001317793	7784-46-5	SODIUM M-ARSENITE	100	gm	06/09/2015
0001317798	70755-47-4	Dihexadecyldimethylammonium bromide	1	gm	06/09/2015
0001362495		Propane 8.045 PPM, Nitrogen	150	cf	06/09/2015
0001317832	79-06-1	ACRYLAMIDE	100	ml	06/09/2015
0001317801	75-05-8	ACETONITRILE	4	l	06/09/2015
0001317803	67-63-0	2-PROPONAL	4	l	06/09/2015
0001317806	7732-18-5	WATER WITH 0.1% FORMIC ACID HPLC GRADE	4	l	06/09/2015
0001317808	76-05-1	TRIFLUOROACETIC ACID	10	ml	06/09/2015
0001317807	76-05-1	TRIFLUOROACETIC ACID	10	ml	06/09/2015
0001317809	28166-41-8	ALPHA-CYANO-4-HYDROXYCINNAMIC ACID	5	gm	06/09/2015
0001317810	490-79-9	2,5-DIHYDROXYBENZOIC ACID	5	gm	06/09/2015
0001317811	530-59-6	3,5-DIMETHOXY-4-HYDROXY CINNAMIC ACID	5	gm	06/09/2015
0001317829	1336-21-6	AMMONIUM HYDROXIDE	500	ml	06/09/2015
0001317792	504-17-6	2-THIOBARBITURIC ACID	25	gm	06/09/2015
0001317794	4800-94-6	CARBENCILLIN DISODIUM SALT	5	gm	06/09/2015
0001317831	79-06-1	ACRYLAMIDE	100	ml	06/09/2015
0001317833	79-06-1	ACRYLAMIDE	100	ml	06/09/2015
0001389862		BROMICIDE TABLETS	50	lb	06/09/2015
0001362593	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	06/09/2015
0001317799	67-56-1	METHANOL OPTIMA	4	l	06/09/2015
0001389853		BROMICIDE TABLETS	50	lb	06/09/2015
0001389854		BROMICIDE TABLETS	50	lb	06/09/2015
0001389855		BROMICIDE TABLETS	50	lb	06/09/2015
0001389856		BROMICIDE TABLETS	50	lb	06/09/2015
0001389857		BROMICIDE TABLETS	50	lb	06/09/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001317800	108-95-2	PHENOL	25	gm	06/09/2015
0001317791	25322-68-3	POLYETHYLENE GLYCOL 1450	500	gm	06/09/2015
0001317805	2206-27-1	DIMETHYL-D6 SULPHOXIDE	10	ml	06/09/2015
0001317802		NANO SU-8 DEVELOPER	4	l	06/09/2015
0001317804	110-54-3	N-HEXANE	4	l	06/09/2015
0001317834	79-06-1	ACRYLAMIDE	100	ml	06/09/2015
0001362609	7727-37-9	NITROGEN, COMPRESSED GAS	15	l	06/09/2015
0001362604	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	06/09/2015
0001362597	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	06/09/2015
0001362594	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	06/09/2015
0001362602	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	06/09/2015
0001362596	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	06/09/2015
0001362601	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	06/09/2015
0001362608	7727-37-9	NITROGEN, COMPRESSED GAS	15	l	06/09/2015
0001362595	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	06/09/2015
0001389848		vic-lube	1	qt	06/09/2015
0001389849		vic-lube	1	qt	06/09/2015
0000912980	77-86-1	TRIS (TROMETHANE)	1	kg	06/09/2015
0000912978	60-24-2	2-MERCAPTOETHANOL	250	ml	06/09/2015
0001362599	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	06/09/2015
0001362600	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	06/09/2015
0001362607	7727-37-9	NITROGEN, COMPRESSED GAS	15	l	06/09/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001362603	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100 l		06/09/2015
0001362605	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100 l		06/09/2015
0001362606	7727-37-9	NITROGEN, COMPRESSED GAS	15 l		06/09/2015
0001341945		TRA-CON BLUE DYE EPOXY	2.5 gm		06/10/2015
0001341966		TRA-CON BLUE DYE EPOXY	2.5 gm		06/10/2015
0001341965		TRA-CON BLUE DYE EPOXY	2.5 gm		06/10/2015
0001341964		TRA-CON BLUE DYE EPOXY	2.5 gm		06/10/2015
0001341963		TRA-CON BLUE DYE EPOXY	2.5 gm		06/10/2015
0001341962		TRA-CON BLUE DYE EPOXY	2.5 gm		06/10/2015
0001341961		TRA-CON BLUE DYE EPOXY	2.5 gm		06/10/2015
0001341960		TRA-CON BLUE DYE EPOXY	2.5 gm		06/10/2015
0001341943		TRA-CON BLUE DYE EPOXY	2.5 gm		06/10/2015
0001341959		TRA-CON BLUE DYE EPOXY	2.5 gm		06/10/2015
0001341958		TRA-CON BLUE DYE EPOXY	2.5 gm		06/10/2015
0001341957		TRA-CON BLUE DYE EPOXY	2.5 gm		06/10/2015
0001341944		TRA-CON BLUE DYE EPOXY	2.5 gm		06/10/2015
0001341955		TRA-CON BLUE DYE EPOXY	2.5 gm		06/10/2015
0001341946		TRA-CON BLUE DYE EPOXY	2.5 gm		06/10/2015
0001341947		TRA-CON BLUE DYE EPOXY	2.5 gm		06/10/2015
0001341948		TRA-CON BLUE DYE EPOXY	2.5 gm		06/10/2015
0001341949		TRA-CON BLUE DYE EPOXY	2.5 gm		06/10/2015
0001341967		TRA-CON BLUE DYE EPOXY	2.5 gm		06/10/2015
0001341950		TRA-CON BLUE DYE EPOXY	2.5 gm		06/10/2015
0001341978		TRA-CON BLUE DYE EPOXY	2.5 gm		06/10/2015
0001341951		TRA-CON BLUE DYE EPOXY	2.5 gm		06/10/2015
0001341952		TRA-CON BLUE DYE EPOXY	2.5 gm		06/10/2015
0001341953		TRA-CON BLUE DYE EPOXY	2.5 gm		06/10/2015
0001341954		TRA-CON BLUE DYE EPOXY	2.5 gm		06/10/2015
0001341956		TRA-CON BLUE DYE EPOXY	2.5 gm		06/10/2015
0001341994		TRA-CON BLUE DYE EPOXY	2.5 gm		06/10/2015
0001327635	1693-74-9	TETRAHYDROFURAN-D8	10 ml		06/10/2015
0001327669	56-81-5	GLYCEROL [GLYCERIN]	4 l		06/10/2015
0001341982		TRA-CON BLUE DYE EPOXY	2.5 gm		06/10/2015
0001341983		TRA-CON BLUE DYE EPOXY	2.5 gm		06/10/2015
0001341984		TRA-CON BLUE DYE EPOXY	2.5 gm		06/10/2015
0001341986		TRA-CON BLUE DYE EPOXY	2.5 gm		06/10/2015
0001341988		TRA-CON BLUE DYE EPOXY	2.5 gm		06/10/2015
0001341989		TRA-CON BLUE DYE EPOXY	2.5 gm		06/10/2015
0001341990		TRA-CON BLUE DYE EPOXY	2.5 gm		06/10/2015
0001341991		TRA-CON BLUE DYE EPOXY	2.5 gm		06/10/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001341976		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001341993		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001341968		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001341981		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001341980		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001341979		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001341977		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001341975		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001341974		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001341973		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001341972		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001341971		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001341970		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001341969		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001341992		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001327612	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	500	ml	06/10/2015
0001327622		LUBRICANT	18	oz	06/10/2015
0001327621		LUBRICANT	18	oz	06/10/2015
0001327620		LUBRICANT	18	oz	06/10/2015
0001327619		LUBRICANT	18	oz	06/10/2015
0001327618	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	500	ml	06/10/2015
0001327617	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	500	ml	06/10/2015
0001327616	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	500	ml	06/10/2015
0001327615	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	500	ml	06/10/2015
0001327667	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	ml	06/10/2015
0001327613	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	500	ml	06/10/2015
0001311607		VULKEM 116 POLYURETHANE SEALANT	10.1	oz	06/10/2015
0001327634		PLATINUM STANDARD	500	ml	06/10/2015
0001327633	14284-89-0	MANGANESE(III) ACETYLACETONATE	25	gm	06/10/2015
0001327632	57-14-7	1,1-DIMETHYLHYDRAZINE	100	gm	06/10/2015
0001327631	20710-47-8	iodomethane-13C,D3	1	gm	06/10/2015
0001327630	1344-28-1	ALUMINUM OXIDE POWDER	5	lb	06/10/2015
0001327629		94 SERIES IONIC STRENGTH ADJUSTOR	475	ml	06/10/2015
0001327628		94 SERIES IONIC STRENGTH ADJUSTOR	475	ml	06/10/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001327627	12060-08-1	SCANDIUM(III) OXIDE	5	gm	06/10/2015
0001327611	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	500	ml	06/10/2015
0001327614	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	500	ml	06/10/2015
0001327680	108-88-3	TOLUENE	1	l	06/10/2015
0001341920		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001341919		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001341918		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001341917		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001341916		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001341915		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001341914		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001341913		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001341912		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001327623	10493-44-4	4-Bromo-1,1,2-trifluoro-1-butene	5	gm	06/10/2015
0001327681	64-04-0	PHENETHYLAMINE	250	ml	06/10/2015
0001311606		VULKEM 116 POLYURETHANE SEALANT	10.1	oz	06/10/2015
0001327679	1310-73-2	SODIUM HYDROXIDE	1	kg	06/10/2015
0001327678	108-88-3	TOLUENE	2	l	06/10/2015
0001327677	110-54-3	HEXANE (HEXANE, ANHYDROUS)	2	l	06/10/2015
0001327676		HCS:B1 Scintillation Phosphor	500	gm	06/10/2015
0001327675		HCS:B1 Scintillation Phosphor	500	gm	06/10/2015
0001327674	64742-89-8	LIGHT ALIPHATIC SOLVENT NAPHTHA	1	pt	06/10/2015
0001327673		Optishield Corrosion Inhibitor	1	pt	06/10/2015
0001327661	1310-73-2	SODIUM HYDROXIDE	1	l	06/10/2015
0001327608	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	500	ml	06/10/2015
0001341911		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001327644	76089-77-5	CERIUM (III) TRIFLUOROMETHANESULFONATE	25	gm	06/10/2015
0001327610	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	500	ml	06/10/2015
0001327664	1336-21-6	AMMONIUM HYDROXIDE	500	ml	06/10/2015
0001327663	7697-37-2	NITRIC ACID, TRACEMETAL	500	ml	06/10/2015
0001327662	7697-37-2	NITRIC ACID, TRACEMETAL	500	ml	06/10/2015
0001327660		ethanol	4	l	06/10/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001327659	6132-04-3	SODIUM CITRATE,	100	ml	06/10/2015
0001327658	629-11-8	1,6-HEXANEDIOL	100	ml	06/10/2015
0001327657	25322-68-3	POLYETHYLENE GLYCOL 300	100	ml	06/10/2015
0001327656	9004-74-4	POLY(ETHYLENE GLYCOL) METHYL ETHER	100	ml	06/10/2015
0001327666	7664-39-3	HYDROFLUORIC ACID	500	ml	06/10/2015
0001327645	7790-87-6	CERIUM (III) IODIDE	25	gm	06/10/2015
0001341942		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001327643	76089-77-5	CERIUM (III) TRIFLUOROMETHANESULFONATE	25	gm	06/10/2015
0001327642		4929N SILVER COMPOSITION	100	gm	06/10/2015
0001327641		HAFNIUM ETHOXIDE	25	gm	06/10/2015
0001280771		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001327640		HAFNIUM ETHOXIDE	25	gm	06/10/2015
0001327639		HAFNIUM ETHOXIDE	25	gm	06/10/2015
0001327638		HAFNIUM ETHOXIDE	25	gm	06/10/2015
0001327637		HAFNIUM ETHOXIDE	25	gm	06/10/2015
0001311608		BLACK JACK ULTRA ROOF 1000	5	gal	06/10/2015
0001327655	12125-02-9	AMMONIUM CHLORIDE	250	ml	06/10/2015
0001327500	7732-18-5	WATER	20	l	06/10/2015
0001327636	10043-35-3	BORIC ACID	500	gm	06/10/2015
0001327607	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	500	ml	06/10/2015
0001327604	811-97-2	DUSTER ES1017	10	oz	06/10/2015
0001327603	811-97-2	DUSTER ES1017	10	oz	06/10/2015
0001327602	811-97-2	DUSTER ES1017	10	oz	06/10/2015
0001327601	811-97-2	DUSTER ES1017	10	oz	06/10/2015
0001327600	51429-74-4	PHOSPHOMOLYBDIC ACID HYDRATE (MOLYBDOPHOSPHORIC ACID)	100	gm	06/10/2015
0001327504	67-63-0	2-PROPANOL	4	l	06/10/2015
0001327503	67-63-0	2-PROPANOL	4	l	06/10/2015
0001327665	1336-21-6	AMMONIUM HYDROXIDE	500	ml	06/10/2015
0001327501	67-63-0	2-PROPANOL	4	l	06/10/2015
0001327609	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	500	ml	06/10/2015
0001280630		SP 705 Non-Chlorinated Brake & Parts Cleaner	12	oz	06/10/2015
0001280629		SP 705 Non-Chlorinated Brake & Parts Cleaner	12	oz	06/10/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001280628		SP 705 Non-Chlorinated Brake & Parts Cleaner	12	oz	06/10/2015
0001280627		SP 705 Non-Chlorinated Brake & Parts Cleaner	12	oz	06/10/2015
0001327672	56-81-5	GLYCEROL [GLYCERIN]	4	l	06/10/2015
0001327671	56-81-5	GLYCEROL [GLYCERIN]	4	l	06/10/2015
0001327670	56-81-5	GLYCEROL [GLYCERIN]	4	l	06/10/2015
0001341985		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001327668	7647-01-0	HYDROCHLORIC ACID TRACE METAL-35%	500	ml	06/10/2015
0001327502	67-63-0	2-PROPANOL	4	l	06/10/2015
0001342005		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001280609		SPRAYON HEAVY DUTY SILICONE MOLD RELEASE	16	oz	06/10/2015
0001280608		SPRAYON HEAVY DUTY SILICONE MOLD RELEASE	16	oz	06/10/2015
0001280607		SPRAYON HEAVY DUTY SILICONE MOLD RELEASE	16	oz	06/10/2015
0001280601		Loctite 545 Thread Sealant	50	ml	06/10/2015
0001280778		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280777		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001342010		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001342009		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001342008		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001342007		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001342006		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001202221		CoolLube 2210	1	gal	06/10/2015
0001280688		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280680		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280612		SPRAYON HEAVY DUTY SILICONE MOLD RELEASE	16	oz	06/10/2015
0001342004		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001342003		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001342002		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001342000		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001341998		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001280681		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280682		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280683		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280684		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280685		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280686		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280687		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280679		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001280246		Mobil Machine Tool Long Life Coolant	55	gal	06/10/2015
0001280622		SP 705 Non-Chlorinated Brake & Parts Cleaner	12	oz	06/10/2015
0001280623		SP 705 Non-Chlorinated Brake & Parts Cleaner	12	oz	06/10/2015
0001280624		SP 705 Non-Chlorinated Brake & Parts Cleaner	12	oz	06/10/2015
0001280625		SP 705 Non-Chlorinated Brake & Parts Cleaner	12	oz	06/10/2015
0001280626		SP 705 Non-Chlorinated Brake & Parts Cleaner	12	oz	06/10/2015
0001342011	1184-78-7	TRIMETHYLAMINE N-OXIDE	5	gm	06/10/2015
0001342012	7664-38-2	PHOSPHORIC ACID 85%	500	ml	06/10/2015
0001342013		CFdye amine	1	mg	06/10/2015
0001342014	57-50-1	SUCROSE	2	mg	06/10/2015
0001342015	89-78-1	MENTHOL	125	ml	06/10/2015
0001342016	67-68-5	DIMETHYL SULFOXIDE	100	gm	06/10/2015
0001342017	64-17-5	ETHYL ALCOHOL-200 PROOF	500	ml	06/10/2015
0001280610		SPRAYON HEAVY DUTY SILICONE MOLD RELEASE	16	oz	06/10/2015
0001382383	7732-18-5	Hydrochloric Acid 30-31%	3000	lb	06/10/2015
0001280611		SPRAYON HEAVY DUTY SILICONE MOLD RELEASE	16	oz	06/10/2015
0001341941		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001341987		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001311605		VULKEM 116 POLYURETHANE SEALANT	10.1	oz	06/10/2015
0001280621		SP 705 Non-Chlorinated Brake & Parts Cleaner	12	oz	06/10/2015
0001280620		SP 705 Non-Chlorinated Brake & Parts Cleaner	12	oz	06/10/2015
0001280619		SP 705 Non-Chlorinated Brake & Parts Cleaner	12	oz	06/10/2015
0001280618		SPRAYON HEAVY DUTY SILICONE MOLD RELEASE	16	oz	06/10/2015
0001280617		SPRAYON HEAVY DUTY SILICONE MOLD RELEASE	16	oz	06/10/2015
0001280616		SPRAYON HEAVY DUTY SILICONE MOLD RELEASE	16	oz	06/10/2015
0001280615		SPRAYON HEAVY DUTY SILICONE MOLD RELEASE	16	oz	06/10/2015
0001280614		SPRAYON HEAVY DUTY SILICONE MOLD RELEASE	16	oz	06/10/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001280613		SPRAYON HEAVY DUTY SILICONE MOLD RELEASE	16	oz	06/10/2015
0001341999		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001382382	7705-08-0	FERRIC CHLORIDE	3400	lb	06/10/2015
0001280725		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280711		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280712		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280726		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280714		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280716		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280717		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280718		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280719		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280720		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280721		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280722		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280710		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280724		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280713		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280689		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001341936		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001342001		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001341935		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001341934		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001341933		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001341932		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001341931		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001341995		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001341996		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001341997		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001280723		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001341939		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001280690		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280691		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280692		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280693		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280694		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280695		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280696		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280715		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280709		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280698		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280697		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280699		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280704		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001280708		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280707		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280706		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280705		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001341940		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001341937		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001341938		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001280703		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280702		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280701		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280700		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280730		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280731		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280732		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280749		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280745		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280746		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280747		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280748		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280741		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280744		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280734		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001341930		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001341929		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001341928		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001341927		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001341926		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001341925		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001341924		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001341923		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001341922		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015
0001280743		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280733		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280729		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280735		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280736		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280737		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280738		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280739		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280740		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280766		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280742		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280727		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280728		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001341921		TRA-CON BLUE DYE EPOXY	2.5	gm	06/10/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001280773		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280764		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280750		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280776		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280774		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280772		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280770		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280768		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280767		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280765		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280763		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280769		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280761		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280775		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001280762		DOUBLE BUBBLE EPOXY	3.5	gm	06/10/2015
0001362622	7440-37-1	ARGON, COMPRESSED	220	cf	06/11/2015
0001362625	7440-37-1	ARGON, COMPRESSED	220	cf	06/11/2015
0001362623	7440-37-1	ARGON, COMPRESSED	220	cf	06/11/2015
0001362624	7440-37-1	ARGON, COMPRESSED	220	cf	06/11/2015
0001362621	7440-37-1	ARGON, COMPRESSED	220	cf	06/11/2015
0001362626	7440-37-1	ARGON, COMPRESSED	220	cf	06/11/2015
0001362627	7440-37-1	ARGON, COMPRESSED	220	cf	06/11/2015
0001389906		TOTAL CHLORINE BUFFER SOL	473	ml	06/11/2015
0001362628	7440-37-1	ARGON, COMPRESSED	220	cf	06/11/2015
0001362620	7440-37-1	ARGON, COMPRESSED	220	cf	06/11/2015
0001362629		P-10 (90% ARGON 10% METHANE)	220	cf	06/11/2015
0001389921		TOTAL CHLORINE BUFFER SOL	473	ml	06/11/2015
0001389914		TOTAL CHLORINE BUFFER SOL	473	ml	06/11/2015
0001389915		TOTAL CHLORINE BUFFER SOL	473	ml	06/11/2015
0001389916		TOTAL CHLORINE BUFFER SOL	473	ml	06/11/2015
0001362656	7440-37-1	ARGON, COMPRESSED	220	cf	06/11/2015
0001362630		P-10 (90% ARGON 10% METHANE)	220	cf	06/11/2015
0001389913		TOTAL CHLORINE BUFFER SOL	473	ml	06/11/2015
0001389912		TOTAL CHLORINE BUFFER SOL	473	ml	06/11/2015
0001389917		TOTAL CHLORINE BUFFER SOL	473	ml	06/11/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001389918		TOTAL CHLORINE BUFFER SOL	473	ml	06/11/2015
0001389919		TOTAL CHLORINE BUFFER SOL	473	ml	06/11/2015
0001389911		TOTAL CHLORINE BUFFER SOL	473	ml	06/11/2015
0001389920		TOTAL CHLORINE BUFFER SOL	473	ml	06/11/2015
0001362619	7440-37-1	ARGON, COMPRESSED	220	cf	06/11/2015
0001362612		Oxygen 21%, Helium balance	220	cf	06/11/2015
0001389909		TOTAL CHLORINE BUFFER SOL	473	ml	06/11/2015
0001362613		Oxygen 21%, Helium balance	220	cf	06/11/2015
0001389908		TOTAL CHLORINE BUFFER SOL	473	ml	06/11/2015
0001389907		TOTAL CHLORINE BUFFER SOL	473	ml	06/11/2015
0001362614	7440-37-1	ARGON, COMPRESSED	220	cf	06/11/2015
0001362615	7440-37-1	ARGON, COMPRESSED	220	cf	06/11/2015
0001362616	7440-37-1	ARGON, COMPRESSED	220	cf	06/11/2015
0001362617	7440-37-1	ARGON, COMPRESSED	220	cf	06/11/2015
0001362618	7440-37-1	ARGON, COMPRESSED	220	cf	06/11/2015
0001389910		TOTAL CHLORINE BUFFER SOL	473	ml	06/11/2015
0001389928		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	06/11/2015
0001362658	7440-37-1	ARGON, COMPRESSED	220	cf	06/11/2015
0001389935		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	06/11/2015
0001389934		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	06/11/2015
0001389933		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	06/11/2015
0001389932		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	06/11/2015
0001389931		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	06/11/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001389937		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	06/11/2015
0001389929		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	06/11/2015
0001389938		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	06/11/2015
0001389927		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	06/11/2015
0001389926		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	06/11/2015
0001389925		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	06/11/2015
0001389924		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	06/11/2015
0001389922		TOTAL CHLORINE BUFFER SOL	473	ml	06/11/2015
0001362653	7440-37-1	ARGON, COMPRESSED	220	cf	06/11/2015
0001362652	7440-37-1	ARGON, COMPRESSED	220	cf	06/11/2015
0001389930		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	06/11/2015
0001389946		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	06/11/2015
0001362654	7440-37-1	ARGON, COMPRESSED	220	cf	06/11/2015
0001389954		DPD COMPOUND FOR FREE AND TOTAL CHLORINE ANALYZERS	24	gm	06/11/2015
0001389953		DPD COMPOUND FOR FREE AND TOTAL CHLORINE ANALYZERS	24	gm	06/11/2015
0001389952		DPD COMPOUND FOR FREE AND TOTAL CHLORINE ANALYZERS	24	gm	06/11/2015
0001389951		DPD COMPOUND FOR FREE AND TOTAL CHLORINE ANALYZERS	24	gm	06/11/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001389950		DPD COMPOUND FOR FREE AND TOTAL CHLORINE ANALYZERS	24	gm	06/11/2015
0001389936		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	06/11/2015
0001389948		DPD COMPOUND FOR FREE AND TOTAL CHLORINE ANALYZERS	24	gm	06/11/2015
0001362649	7440-37-1	ARGON, COMPRESSED	220	cf	06/11/2015
0001389945		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	06/11/2015
0001389944		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	06/11/2015
0001389943		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	06/11/2015
0001389942		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	06/11/2015
0001389941		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	06/11/2015
0001389940		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	06/11/2015
0001389939		TOTAL CHLORINE INDICATOR SOLUTION# 22634-11	473	ml	06/11/2015
0001389949		DPD COMPOUND FOR FREE AND TOTAL CHLORINE ANALYZERS	24	gm	06/11/2015
0001362670	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001362637		P-10 (90% ARGON 10% METHANE)	220	cf	06/11/2015
0001362663	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001362664	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001362665	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001362666	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001362667	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001362651	7440-37-1	ARGON, COMPRESSED	220	cf	06/11/2015
0001362669	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001362660	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001362671	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001362672	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001362636		P-10 (90% ARGON 10% METHANE)	220	cf	06/11/2015
0001362635		P-10 (90% ARGON 10% METHANE)	220	cf	06/11/2015
0001362634		P-10 (90% ARGON 10% METHANE)	220	cf	06/11/2015
0001362633		P-10 (90% ARGON 10% METHANE)	220	cf	06/11/2015
0001362632		P-10 (90% ARGON 10% METHANE)	220	cf	06/11/2015
0001362668	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001362640		P-10 (90% ARGON 10% METHANE)	220	cf	06/11/2015
0001362631		P-10 (90% ARGON 10% METHANE)	220	cf	06/11/2015
0001362648	7440-37-1	ARGON, COMPRESSED	220	cf	06/11/2015
0001362647	7440-37-1	ARGON, COMPRESSED	220	cf	06/11/2015
0001362646	7440-37-1	ARGON, COMPRESSED	220	cf	06/11/2015
0001362645	7440-37-1	ARGON, COMPRESSED	220	cf	06/11/2015
0001362644	7440-37-1	ARGON, COMPRESSED	220	cf	06/11/2015
0001362643		P-10 (90% ARGON 10% METHANE)	220	cf	06/11/2015
0001362662	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001362641		P-10 (90% ARGON 10% METHANE)	220	cf	06/11/2015
0001362661	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001362639		P-10 (90% ARGON 10% METHANE)	220	cf	06/11/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001362638		P-10 (90% ARGON 10% METHANE)	220	cf	06/11/2015
0001342024	7782-68-5	HYDROGEN IODATE (ACID IODIC)	100	gm	06/11/2015
0001362657	7440-37-1	ARGON, COMPRESSED	220	cf	06/11/2015
0001389905		TOTAL CHLORINE BUFFER SOL	473	ml	06/11/2015
0001362659	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001362650	7440-37-1	ARGON, COMPRESSED	220	cf	06/11/2015
0001362642		P-10 (90% ARGON 10% METHANE)	220	cf	06/11/2015
0001362697	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001342026	107-21-1	ETHYLENE GLYCOL (ETHYLENE GLYCOL, ANHYDROUS)	1	l	06/11/2015
0001327648		FLUORIDE STANDARD	500	ml	06/11/2015
0001327647	7647-14-5	CHLORIDE STANDARD	500	ml	06/11/2015
0001327646	7647-15-6	BROMIDE STANDARD	500	ml	06/11/2015
0001327519		SULFATE STANDARD	500	ml	06/11/2015
0001327518		OXALATE STANDARD	125	ml	06/11/2015
0001327517		CUSTOM ION STANDARD PHOSPHATE-P	500	ml	06/11/2015
0001362703	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001362702	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001362701	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001362700	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001327694	6080-56-4	LEAD(II) ACETATE TRIHYDRATE	500	gm	06/11/2015
0001362698	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001327693	557-34-6	ZINC ACETATE	25	gm	06/11/2015
0001362696	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001362695	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001362694	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001362693	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001362692	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001362691	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001362690	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001362689	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001362688	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001311613		DERBIGUM MS PRIMER	5	gal	06/11/2015
0001311612		DERBIGUM MS PRIMER	5	gal	06/11/2015
0001311611		DERBIGUM MS PRIMER	5	gal	06/11/2015
0001362699	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001389902		TOTAL CHLORINE BUFFER SOL	473	ml	06/11/2015
0001327691	7681-65-4	COPPER(I) IODIDE	5	gm	06/11/2015
0001327690	25114-58-3	INDIUM (III) ACETATE	10	gm	06/11/2015
0001327689	25114-58-3	INDIUM (III) ACETATE	10	gm	06/11/2015
0001327688	16593-81-0	4-(2-PYRIDYLAZO)RESORCINOL, MONOSODIUM SALT HYDRATE	5	gm	06/11/2015
0001327687	546-67-8	LEAD (IV) ACETATE	100	gm	06/11/2015
0001327686	527-17-3	DUROQUINONE	1	gm	06/11/2015
0001327685	67-71-0	Dimethyl sulfone	1	gm	06/11/2015
0001389977		COTE ALL MULTI-PURPOSE ENAMEL	1	gal	06/11/2015
0001389976		COTE ALL MULTI-PURPOSE ENAMEL	1	gal	06/11/2015
0001362676	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001362655	7440-37-1	ARGON, COMPRESSED	220	cf	06/11/2015
0001327649	7631-99-4	NITRATE STANDARD	500	ml	06/11/2015
0001389903		TOTAL CHLORINE BUFFER SOL	473	ml	06/11/2015
0001362714	7440-59-7	HELIUM	220	cf	06/11/2015
0001389901		TOTAL CHLORINE BUFFER SOL	473	ml	06/11/2015
0001389900		TOTAL CHLORINE BUFFER SOL	473	ml	06/11/2015
0001389978		KRUD KUTTER CLEANER/DEGREASER	1	gal	06/11/2015
0001327684	4316-42-1	1-BUTYLIMIDAZOLE	100	gm	06/11/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001327683	74-89-5	METHYLAMINE SOLUTION, 40%	1	l	06/11/2015
0001327682	96-48-0	GAMMA-BUTYROLACTONE (4-HYDROXYBUTYRIC ACID GAMMA-LACTONE)	500	gm	06/11/2015
0001327654		PERCHLORATE STANDARD	500	ml	06/11/2015
0001327653		OXALATE STANDARD	500	ml	06/11/2015
0001327652		SULFATE STANDARD	500	ml	06/11/2015
0001327651		PHOSPHATE STANDARD	500	ml	06/11/2015
0001327650		NITRITE STANDARD	500	ml	06/11/2015
0001327692	7681-65-4	COPPER(I) IODIDE	5	gm	06/11/2015
0001389904		TOTAL CHLORINE BUFFER SOL	473	ml	06/11/2015
0001362680	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001327705		VACUUM PUMP OIL	1	l	06/11/2015
0001342018	10102-40-6	SODIUM MOLYBDATE, DIHYDRATE	1	kg	06/11/2015
0001342019	10102-40-6	SODIUM MOLYBDATE, DIHYDRATE	1	kg	06/11/2015
0001342020	7697-37-2	NITRIC ACID CERTIFIED ACS	2.5	l	06/11/2015
0001342021	7697-37-2	NITRIC ACID OPTIMA	2	l	06/11/2015
0001342022	7697-37-2	NITRIC ACID OPTIMA	2	l	06/11/2015
0001342023	7789-38-0	SODIUM BROMATE	250	gm	06/11/2015
0001342025	7772-99-8	Tin(II) Chloride	10	gm	06/11/2015
0001342027	877-24-7	BUFFER PH 4 (RED BUFFER)	16	oz	06/11/2015
0001362684	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001362683	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001311610		DERBIGUM MS PRIMER	5	gal	06/11/2015
0001362681	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001327702		VACUUM PUMP OIL	1	l	06/11/2015
0001362679	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001362678	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001342028	877-24-7	BUFFER PH 4 (RED BUFFER)	16	oz	06/11/2015
0001342029		BUFFER PH 7.00	16	oz	06/11/2015
0001342030	1314-98-3	ZINC SULFIDE	250	gm	06/11/2015
0001342031	1314-95-0	TIN (II) SULFIDE	25	gm	06/11/2015
0001382384	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	06/11/2015
0001382385	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	06/11/2015
0001382386	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	06/11/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001382387	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	06/11/2015
0001382388	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	06/11/2015
0001362610		Oxygen 21%, Helium balance	220	cf	06/11/2015
0001362682	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001362704	7440-59-7	HELIUM	220	cf	06/11/2015
0001362611		Oxygen 21%, Helium balance	220	cf	06/11/2015
0001362713	7440-59-7	HELIUM	220	cf	06/11/2015
0001362712	7440-59-7	HELIUM	220	cf	06/11/2015
0001362687	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001362686	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001362685	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001362711	7440-59-7	HELIUM	220	cf	06/11/2015
0001362710	7440-59-7	HELIUM	220	cf	06/11/2015
0001362709	7440-59-7	HELIUM	220	cf	06/11/2015
0001362708	7440-59-7	HELIUM	220	cf	06/11/2015
0001362707	7440-59-7	HELIUM	220	cf	06/11/2015
0001362706	7440-59-7	HELIUM	220	cf	06/11/2015
0001327704		VACUUM PUMP OIL	1	l	06/11/2015
0001362705	7440-59-7	HELIUM	220	cf	06/11/2015
0001327703		VACUUM PUMP OIL	1	l	06/11/2015
0001362673	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001362674	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001362675	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001362677	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/11/2015
0001327695	19764-96-6	1,1',3,3',3'- Hexamethylindotricarbocyanine iodide	100	mg	06/11/2015
0001327696	7782-49-2	SELENIUM PELLETS, 2MM	250	gm	06/11/2015
0001327697	64-19-7	ACETIC ACID	500	ml	06/11/2015
0001327698		VACUUM PUMP OIL	1	l	06/11/2015
0001327699		VACUUM PUMP OIL	1	l	06/11/2015
0001327700		VACUUM PUMP OIL	1	l	06/11/2015
0001327701		VACUUM PUMP OIL	1	l	06/11/2015
0001311609		DERBIGUM MS PRIMER	5	gal	06/11/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001389975		COTE ALL MULTI-PURPOSE ENAMEL	1	gal	06/11/2015
0001389969		DPD COMPOUND FOR FREE AND TOTAL CHLORINE ANALYZERS	24	gm	06/11/2015
0001389970		DPD COMPOUND FOR FREE AND TOTAL CHLORINE ANALYZERS	24	gm	06/11/2015
0001389972		COTE ALL MULTI-PURPOSE ENAMEL	1	gal	06/11/2015
0001389974		COTE ALL MULTI-PURPOSE ENAMEL	1	gal	06/11/2015
0001389968		DPD COMPOUND FOR FREE AND TOTAL CHLORINE ANALYZERS	24	gm	06/11/2015
0001389961		DPD COMPOUND FOR FREE AND TOTAL CHLORINE ANALYZERS	24	gm	06/11/2015
0001389973		COTE ALL MULTI-PURPOSE ENAMEL	1	gal	06/11/2015
0001389967		DPD COMPOUND FOR FREE AND TOTAL CHLORINE ANALYZERS	24	gm	06/11/2015
0001389966		DPD COMPOUND FOR FREE AND TOTAL CHLORINE ANALYZERS	24	gm	06/11/2015
0001389965		DPD COMPOUND FOR FREE AND TOTAL CHLORINE ANALYZERS	24	gm	06/11/2015
0001389964		DPD COMPOUND FOR FREE AND TOTAL CHLORINE ANALYZERS	24	gm	06/11/2015
0001389962		DPD COMPOUND FOR FREE AND TOTAL CHLORINE ANALYZERS	24	gm	06/11/2015
0001389960		DPD COMPOUND FOR FREE AND TOTAL CHLORINE ANALYZERS	24	gm	06/11/2015
0001389959		DPD COMPOUND FOR FREE AND TOTAL CHLORINE ANALYZERS	24	gm	06/11/2015
0001389958		DPD COMPOUND FOR FREE AND TOTAL CHLORINE ANALYZERS	24	gm	06/11/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001389957		DPD COMPOUND FOR FREE AND TOTAL CHLORINE ANALYZERS	24	gm	06/11/2015
0001389956		DPD COMPOUND FOR FREE AND TOTAL CHLORINE ANALYZERS	24	gm	06/11/2015
0001389955		DPD COMPOUND FOR FREE AND TOTAL CHLORINE ANALYZERS	24	gm	06/11/2015
0001389963		DPD COMPOUND FOR FREE AND TOTAL CHLORINE ANALYZERS	24	gm	06/11/2015
0001390015		ALEX PLUS	10.1	oz	06/12/2015
0001390102		CLOROX	1	gal	06/12/2015
0001390084		CLOROX	1	gal	06/12/2015
0001327739	1302-42-7	SODIUM ALUMINATE	100	gm	06/12/2015
0001389990		CLOROX	1	gal	06/12/2015
0001389992		CLOROX	1	gal	06/12/2015
0001389993		CLOROX	1	gal	06/12/2015
0001390094		CLOROX	1	gal	06/12/2015
0001390095		CLOROX	1	gal	06/12/2015
0001390096		CLOROX	1	gal	06/12/2015
0001390097		CLOROX	1	gal	06/12/2015
0001390098		CLOROX	1	gal	06/12/2015
0001390099		CLOROX	1	gal	06/12/2015
0001327738	10031-22-8	LEAD BROMIDE	25	gm	06/12/2015
0001390101		CLOROX	1	gal	06/12/2015
0001327736	68-12-2	N,N-DIMETHYLFORMAMIDE	1	l	06/12/2015
0001390103		CLOROX	1	gal	06/12/2015
0001390104		CLOROX	1	gal	06/12/2015
0001390105		CLOROX	1	gal	06/12/2015
0001390106		CLOROX	1	gal	06/12/2015
0001390107		CLOROX	1	gal	06/12/2015
0001390108		CLOROX	1	gal	06/12/2015
0001390109		BLACK JACK ROOF GARD 700	5	gal	06/12/2015
0001390110		BLACK JACK ROOF GARD 700	5	gal	06/12/2015
0001390111		BLACK JACK ROOF GARD 700	5	gal	06/12/2015
0001317822	10035-04-8	CALCIUM CHLORIDE DIHYDRATE	500	gm	06/12/2015
0001317820	9005-64-5	TWEEN 20	100	ml	06/12/2015
0001317816	74124-79-1	N,N'-DISUCCINIMIDYL CARBO	25	gm	06/12/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001390100		CLOROX	1	gal	06/12/2015
0001390018		ALEX PLUS	10.1	oz	06/12/2015
0001390085		CLOROX	1	gal	06/12/2015
0001390086		CLOROX	1	gal	06/12/2015
0001390087		CLOROX	1	gal	06/12/2015
0001390088		CLOROX	1	gal	06/12/2015
0001390089		CLOROX	1	gal	06/12/2015
0001390090		CLOROX	1	gal	06/12/2015
0001390091		CLOROX	1	gal	06/12/2015
0001390092		CLOROX	1	gal	06/12/2015
0001390093		CLOROX	1	gal	06/12/2015
0001390022		ALEX PLUS	10.1	oz	06/12/2015
0001390021		ALEX PLUS	10.1	oz	06/12/2015
0000912985	334-50-9	SPERMIDINE TRIHYDROCHLORIDE	5	gm	06/12/2015
0001390019		ALEX PLUS	10.1	oz	06/12/2015
0001382371		CV SEALANT 6-1104	142	gm	06/12/2015
0001390017		ALEX PLUS	10.1	oz	06/12/2015
0001390016		ALEX PLUS	10.1	oz	06/12/2015
0001390014		ALEX PLUS	10.1	oz	06/12/2015
0001390012		CLOROX	1	gal	06/12/2015
0001390011		CLOROX	1	gal	06/12/2015
0001390010		CLOROX	1	gal	06/12/2015
0001390009		CLOROX	1	gal	06/12/2015
0001390008		CLOROX	1	gal	06/12/2015
0001390007		CLOROX	1	gal	06/12/2015
0001390006		CLOROX	1	gal	06/12/2015
0001390005		CLOROX	1	gal	06/12/2015
0000912986	306-67-2	SPERMINE TETRAHYDROCHLORIDE	5	gm	06/12/2015
0001390020		ALEX PLUS	10.1	oz	06/12/2015
0001327708		WD-40	16	oz	06/12/2015
0001390072		CLOROX	1	gal	06/12/2015
0001390073		CLOROX	1	gal	06/12/2015
0001390074		CLOROX	1	gal	06/12/2015
0001390075		CLOROX	1	gal	06/12/2015
0001390076		CLOROX	1	gal	06/12/2015
0001390077		CLOROX	1	gal	06/12/2015
0001390078		CLOROX	1	gal	06/12/2015
0001327507	67-63-0	2-PROPANOL	4	l	06/12/2015
0001327508	67-63-0	2-PROPANOL	4	l	06/12/2015
0001327509	7440-66-6	ZINC POWDER OR DUST, NONPYROPHORIC	5	gm	06/12/2015
0001327510		NUCLEASE-FREE WATER	300	ml	06/12/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001382372		DOW CORNING 93-500 SPACE GRADE ENCAPSULANT	453	gm	06/12/2015
0001327707		WD-40	16	oz	06/12/2015
0001390069		CLOROX	1	gal	06/12/2015
0001327709		WD-40	16	oz	06/12/2015
0001327710		WD-40	16	oz	06/12/2015
0001327711		WD-40	16	oz	06/12/2015
0001327712		WD-40	16	oz	06/12/2015
0001327713		WD-40	16	oz	06/12/2015
0001327714		WD-40	16	oz	06/12/2015
0001327715		WD-40	16	oz	06/12/2015
0001327716		WD-40	16	oz	06/12/2015
0001327717		WD-40	16	oz	06/12/2015
0001327718	67-63-0	2-PROPANOL (ISOPROPYL ALCOHOL)	4	l	06/12/2015
0001327719	67-63-0	2-PROPANOL (ISOPROPYL ALCOHOL)	4	l	06/12/2015
0001327727	5470-11-1	HYDROXYLAMINE HYDROCHLORIDE	250	gm	06/12/2015
0001327706		WD-40	16	oz	06/12/2015
0001389996		CLOROX	1	gal	06/12/2015
0001389989		CLOROX	1	gal	06/12/2015
0001390004		CLOROX	1	gal	06/12/2015
0001390003		CLOROX	1	gal	06/12/2015
0001390002		CLOROX	1	gal	06/12/2015
0001390001		CLOROX	1	gal	06/12/2015
0001390000		CLOROX	1	gal	06/12/2015
0001342032		HIGH PURITY DI-ELECTRIC SILICONE GEL	2	pt	06/12/2015
0001342033		HIGH PURITY DI-ELECTRIC SILICONE GEL	2	pt	06/12/2015
0001342034		HIGH PURITY DI-ELECTRIC SILICONE GEL	2	pt	06/12/2015
0001342035		HIGH PURITY DI-ELECTRIC SILICONE GEL	2	pt	06/12/2015
0001342036		HIGH PURITY DI-ELECTRIC SILICONE GEL	2	pt	06/12/2015
0001389999		CLOROX	1	gal	06/12/2015
0001390071		CLOROX	1	gal	06/12/2015
0001389997		CLOROX	1	gal	06/12/2015
0001390070		CLOROX	1	gal	06/12/2015
0001389995		CLOROX	1	gal	06/12/2015
0001389994		CLOROX	1	gal	06/12/2015
0001390013		ALEX PLUS	10.1	oz	06/12/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001390063		CLOROX	1	gal	06/12/2015
0001390064		CLOROX	1	gal	06/12/2015
0001390065		CLOROX	1	gal	06/12/2015
0001390066		CLOROX	1	gal	06/12/2015
0001327505	67-63-0	2-PROPANOL	4	l	06/12/2015
0001327506	67-63-0	2-PROPANOL	4	l	06/12/2015
0001390067		CLOROX	1	gal	06/12/2015
0001390068		CLOROX	1	gal	06/12/2015
0001382370		CV SEALANT 6-1104	142	gm	06/12/2015
0001389998		CLOROX	1	gal	06/12/2015
0001317856		NANO SU-8 DEVELOPER	500	ml	06/12/2015
0001389991		CLOROX	1	gal	06/12/2015
0001390083		CLOROX	1	gal	06/12/2015
0001327731	2648-71-7	3-Bromo-3-methyl-2-butanone	25	gm	06/12/2015
0001327732	71-43-2	BENZENE	1	l	06/12/2015
0001327733	71-43-2	BENZENE	1	l	06/12/2015
0001327734	71-43-2	BENZENE	1	l	06/12/2015
0001327737	10031-22-8	LEAD BROMIDE	25	gm	06/12/2015
0001342037	1667-01-2	2',4',6'-Trimethylacetophenone	25	gm	06/12/2015
0001317861		CHLOROTRIMETHYLSILANE	10	ml	06/12/2015
0001317858	1330-20-7	XYLENES	500	ml	06/12/2015
0001390034		ALEX PLUS	10.1	oz	06/12/2015
0001317857		NANO SU-8 DEVELOPER	500	ml	06/12/2015
0001390059		ALEX PLUS	10.1	oz	06/12/2015
0001390039		ALEX PLUS	10.1	oz	06/12/2015
0001342039		Aeroshell Aviation Oil 100 SAE 50 Mineral Oil	1	qt	06/12/2015
0001317855		NANO SU-8 DEVELOPER	500	ml	06/12/2015
0001317854		NANO SU-8 DEVELOPER	500	ml	06/12/2015
0001334139	67-56-1	METHANOL	500	ml	06/12/2015
0001334138	25068-38-6	EMBED 812	450	ml	06/12/2015
0001317860	80724-20-5	TETRAMETHYLRHODAMINE ISOTHIOCYANATE	1	mg	06/12/2015
0001317859	10102-18-8	SODIUM SELENITE	10	gm	06/12/2015
0001390037		ALEX PLUS	10.1	oz	06/12/2015
0001390036		ALEX PLUS	10.1	oz	06/12/2015
0001390035		ALEX PLUS	10.1	oz	06/12/2015
0001342038	7789-23-3	POTASSIUM FLUORIDE	250	gm	06/12/2015
0001390049		ALEX PLUS	10.1	oz	06/12/2015
0001390038		ALEX PLUS	10.1	oz	06/12/2015
0001327728	60-29-7	DIETHYL ETHER	2.5	l	06/12/2015
0001327729	60-29-7	DIETHYL ETHER	2.5	l	06/12/2015
0001390061		CLOROX	1	gal	06/12/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001390040		ALEX PLUS	10.1	oz	06/12/2015
0001390041		ALEX PLUS	10.1	oz	06/12/2015
0001390042		ALEX PLUS	10.1	oz	06/12/2015
0001390043		ALEX PLUS	10.1	oz	06/12/2015
0001390044		ALEX PLUS	10.1	oz	06/12/2015
0001390045		ALEX PLUS	10.1	oz	06/12/2015
0001390046		ALEX PLUS	10.1	oz	06/12/2015
0001390062		CLOROX	1	gal	06/12/2015
0001390048		ALEX PLUS	10.1	oz	06/12/2015
0001390060		ALEX PLUS	10.1	oz	06/12/2015
0001390050		ALEX PLUS	10.1	oz	06/12/2015
0001390051		ALEX PLUS	10.1	oz	06/12/2015
0001327730		AZ P4620 PHOTORESIST	1	qt	06/12/2015
0001390052		ALEX PLUS	10.1	oz	06/12/2015
0001390053		ALEX PLUS	10.1	oz	06/12/2015
0001390054		ALEX PLUS	10.1	oz	06/12/2015
0001390055		ALEX PLUS	10.1	oz	06/12/2015
0001390056		ALEX PLUS	10.1	oz	06/12/2015
0001390057		ALEX PLUS	10.1	oz	06/12/2015
0001390058		ALEX PLUS	10.1	oz	06/12/2015
0001342040		Aeroshell Aviation Oil 100 SAE 50 Mineral Oil	1	qt	06/12/2015
0001390047		ALEX PLUS	10.1	oz	06/12/2015
0001389979		CLOROX	1	gal	06/12/2015
0001342051		SUPERBONDER 409	3	gm	06/12/2015
0001390033		ALEX PLUS	10.1	oz	06/12/2015
0001342053		SUPERBONDER 409	3	gm	06/12/2015
0001342054		SUPERBONDER 409	3	gm	06/12/2015
0001317795	13746-66-2	POTASSIUM FERRICYANIDE	500	gm	06/12/2015
0001382389	7732-18-5	Hydrochloric Acid 30-31%	3000	lb	06/12/2015
0001382390	7732-18-5	Hydrochloric Acid 30-31%	3000	lb	06/12/2015
0001382391	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	06/12/2015
0001382392	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	06/12/2015
0001382393	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	06/12/2015
0001382394	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	06/12/2015
0001382395	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	06/12/2015
0001317796	60-24-2	2-MERCAPTOETHANOL	10	ml	06/12/2015
0001342050		SUPERBONDER 409	3	gm	06/12/2015
0001389985		CLOROX	1	gal	06/12/2015
0001390082		CLOROX	1	gal	06/12/2015
0001390081		CLOROX	1	gal	06/12/2015
0001390080		CLOROX	1	gal	06/12/2015
0001390079		CLOROX	1	gal	06/12/2015
0001389988		CLOROX	1	gal	06/12/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001317825	7778-77-0	POTASSIUM PHOSPHATE MONOBASIC	100	gm	06/12/2015
0001389986		CLOROX	1	gal	06/12/2015
0001317823	10034-99-8	MAGNESIUM SULFATE HEPTAHYDRATE	500	gm	06/12/2015
0001389984		CLOROX	1	gal	06/12/2015
0001389983		CLOROX	1	gal	06/12/2015
0001389982		CLOROX	1	gal	06/12/2015
0001389981		CLOROX	1	gal	06/12/2015
0001389980		CLOROX	1	gal	06/12/2015
0001342052		SUPERBONDER 409	3	gm	06/12/2015
0001389987		CLOROX	1	gal	06/12/2015
0001390025		ALEX PLUS	10.1	oz	06/12/2015
0001342042	109-72-8	N-BUTYLLITHIUM	100	ml	06/12/2015
0001342041	67-63-0	ISOPROPYL ALCOHOL	4	l	06/12/2015
0001390023		ALEX PLUS	10.1	oz	06/12/2015
0001342044	75-05-8	ACETONITRILE CERTIFIED ACS	4	l	06/12/2015
0001342045		SUPERBONDER 409	3	gm	06/12/2015
0001342046		SUPERBONDER 409	3	gm	06/12/2015
0001342043	109-72-8	N-BUTYLLITHIUM	100	ml	06/12/2015
0001390024		ALEX PLUS	10.1	oz	06/12/2015
0001390026		ALEX PLUS	10.1	oz	06/12/2015
0001390027		ALEX PLUS	10.1	oz	06/12/2015
0001390028		ALEX PLUS	10.1	oz	06/12/2015
0001342047		SUPERBONDER 409	3	gm	06/12/2015
0001342048		SUPERBONDER 409	3	gm	06/12/2015
0001390029		ALEX PLUS	10.1	oz	06/12/2015
0001390030		ALEX PLUS	10.1	oz	06/12/2015
0001390031		ALEX PLUS	10.1	oz	06/12/2015
0001390032		ALEX PLUS	10.1	oz	06/12/2015
0001342049		SUPERBONDER 409	3	gm	06/12/2015
0001342129		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342136		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342135		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342134		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342179		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001334871	67-68-5	DIMETHYL SULFOXIDE	5	ml	06/15/2015
0001342180		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342185		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342186		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342138		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342187		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342137		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342184		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001342183		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342127		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342181		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342125		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342133		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342132		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342131		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342130		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342139		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342128		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342188		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342126		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342182		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342197		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001382399	1310-73-2	Sodium Hydroxide 25%	3400	lb	06/15/2015
0001382398	1310-73-2	Sodium Hydroxide 25%	3400	lb	06/15/2015
0001382397	1310-73-2	Sodium Hydroxide 25%	3400	lb	06/15/2015
0001382396	1310-73-2	Sodium Hydroxide 25%	3400	lb	06/15/2015
0001342067	1486-01-7	BIPHENYL-D10	1	gm	06/15/2015
0001342066	1486-01-7	BIPHENYL-D10	1	gm	06/15/2015
0001342065	1486-01-7	BIPHENYL-D10	1	gm	06/15/2015
0001317847	50-00-0	FORMALDEHYDE (FORMALIN PHOSPHATE)	4	l	06/15/2015
0001317826	7704-34-9	SULFUR	500	gm	06/15/2015
0001342064	1486-01-7	BIPHENYL-D10	1	gm	06/15/2015
0001342198		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001362730	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	06/15/2015
0001342196		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342195		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342194		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342193		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342192		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342191		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342190		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342189		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342140		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342148		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001317828	7558-79-4	SODIUM PHOSPHATE, DIBASIC	500	gm	06/15/2015
0001362724	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	06/15/2015
0001342123		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001342122		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342121		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342120		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342119		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342118		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342117		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342116		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342115		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342114		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001382400	1310-73-2	Sodium Hydroxide 25%	3400	lb	06/15/2015
0001342112		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001362729	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	06/15/2015
0001362719	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	06/15/2015
0001362726	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	06/15/2015
0001362723	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	06/15/2015
0001362725	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	06/15/2015
0001362722	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	06/15/2015
0001362721	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	06/15/2015
0001362731	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	250	l	06/15/2015
0001362728	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	06/15/2015
0001362720	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	06/15/2015
0001342124		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342113		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001327773	10101-63-0	LEAD(II) IODIDE	50	gm	06/15/2015
0001341700		DETERGENT 8	1	gal	06/15/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001341701		DETERGENT 8	1	gal	06/15/2015
0001341702		DETERGENT 8	1	gal	06/15/2015
0001327770		UTEVA RESIN	2	ml	06/15/2015
0001327771	18618-55-8	CERIUM(III) CHLORIDE HEPTAHYDRATE	100	gm	06/15/2015
0001327772	1762-95-4	AMMONIUM THIOCYANATE	100	gm	06/15/2015
0001390112		BLACK JACK ROOF GARD 700	5	gal	06/15/2015
0001390113		BLACK JACK ROOF GARD 700	5	gal	06/15/2015
0001390114		BLACK JACK ROOF GARD 700	5	gal	06/15/2015
0001390115		BLACK JACK ROOF GARD 700	5	gal	06/15/2015
0001390116		BLACK JACK ROOF GARD 700	5	gal	06/15/2015
0001327764		SAMARIUM STANDARD	125	ml	06/15/2015
0001390118		BLACK JACK ROOF GARD 700	5	gal	06/15/2015
0001342176		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001327774	10101-63-0	LEAD(II) IODIDE	50	gm	06/15/2015
0001327776	638-39-1	TIN(II) ACETATE	5	gm	06/15/2015
0001327778		NACL CONDUCTIVITY STANDARD / TDS	120	ml	06/15/2015
0001327760		MOLECULAR SIEVE	1	lb	06/15/2015
0001327759		MOLECULAR SIEVE	1	lb	06/15/2015
0001327758		MOLECULAR SIEVE	1	lb	06/15/2015
0001327769		NEODYMIUM STANDARD	125	ml	06/15/2015
0001327768		GADOLINIUM STANDARD	125	ml	06/15/2015
0001327767	7697-37-2	LANTHANUM STANDARD	125	ml	06/15/2015
0001327766		CERIUM STANDARD	125	ml	06/15/2015
0001327765		ZIRCONIUM STANDARD	125	ml	06/15/2015
0001390117		BLACK JACK ROOF GARD 700	5	gal	06/15/2015
0001342168		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342146		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342141		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001327745	19259-90-6	ACETYL-D3 CHLORIDE	10	gm	06/15/2015
0001327744	19259-90-6	ACETYL-D3 CHLORIDE	10	gm	06/15/2015
0001327743	6046-93-1	CUPRIC ACETATE, MONOHYDRATE	100	gm	06/15/2015
0001327742	1313-82-2	SODIUM SULFIDE, ANHYDROUS	25	gm	06/15/2015
0001327741	77-78-1	DIMETHYL SULFATE	5	ml	06/15/2015
0001327740	7601-90-3	PERCHLORIC ACID	500	ml	06/15/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001327726	64-18-6	FORMIC ACID	2.5	l	06/15/2015
0001327722	886-86-2	Tricaine-S Topical Anesthetic	10	gm	06/15/2015
0001327721	886-86-2	Tricaine-S Topical Anesthetic	10	gm	06/15/2015
0001341699		DETERGENT 8	1	gal	06/15/2015
0001342167		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342177		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342169		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342170		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342171		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342166		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342165		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342164		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342163		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342172		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342173		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342174		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342175		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001327777		NACL CONDUCTIVITY STANDARD / TDS	120	ml	06/15/2015
0001327720	886-86-2	Tricaine-S Topical Anesthetic	10	gm	06/15/2015
0001342152		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342159		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342158		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342157		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342156		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342155		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001327746	19259-90-6	ACETYL-D3 CHLORIDE	10	gm	06/15/2015
0001327747	75-54-7	METHYLDICHLOROSILANE	100	ml	06/15/2015
0001327748	67-63-0	ISOPROPANOL (2-PROPANOL)	4	l	06/15/2015
0001341695		DETERGENT 8	1	gal	06/15/2015
0001327763		EUROPIUM STANDARD	125	ml	06/15/2015
0001317827	57-09-0	CETYLTRIMETHYLAMMONIUM BROMIDE	100	gm	06/15/2015
0001342160		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342153		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001317862	1313-84-4	SODIUM SULFIDE, NONAHYDRATE	500	gm	06/15/2015
0001342151		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342150		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342149		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342147		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001342178		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342145		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342144		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001341698		DETERGENT 8	1	gal	06/15/2015
0001341697		DETERGENT 8	1	gal	06/15/2015
0001341696		DETERGENT 8	1	gal	06/15/2015
0001342143		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342142		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001327775	6080-56-4	LEAD(II) ACETATE TRIHYDRATE	2	gm	06/15/2015
0001327754	60-29-7	ETHER, ANHYDROUS	1	l	06/15/2015
0001327762		TELLURIUM STANDARD	125	ml	06/15/2015
0001327761	39365-88-3	POTASH	100	gm	06/15/2015
0001342154		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001327755	60-29-7	ETHER, ANHYDROUS	1	l	06/15/2015
0001342161		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001327753	60-29-7	ETHER, ANHYDROUS	1	l	06/15/2015
0001327752	60-29-7	ETHER, ANHYDROUS	1	l	06/15/2015
0001327751	60-29-7	ETHER, ANHYDROUS	1	l	06/15/2015
0001327750	60-29-7	ETHER, ANHYDROUS	1	l	06/15/2015
0001327749	7757-82-6	SODIUM SULFATE	1	kg	06/15/2015
0001362727	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	06/15/2015
0001362718	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	06/15/2015
0001327779		NACL CONDUCTIVITY STANDARD / TDS	120	ml	06/15/2015
0001362716	7782-50-5	CHLORINE	20	cf	06/15/2015
0001327780		NACL CONDUCTIVITY STANDARD / TDS	120	ml	06/15/2015
0001362717	7782-50-5	CHLORINE	20	cf	06/15/2015
0001342162		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001362715		Chlorine	20	cf	06/15/2015
0001390123		BLACK JACK ROOF GARD 700	5	gal	06/15/2015
0001390122		BLACK JACK ROOF GARD 700	5	gal	06/15/2015
0001390120		BLACK JACK ROOF GARD 700	5	gal	06/15/2015
0001390119		BLACK JACK ROOF GARD 700	5	gal	06/15/2015
0001390121		BLACK JACK ROOF GARD 700	5	gal	06/15/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001390132		ES COMPLEAT	1	gal	06/15/2015
0001390134		ES COMPLEAT	1	gal	06/15/2015
0001317850	67-68-5	DIMETHYL SULFOXIDE	10	ml	06/15/2015
0001317839	13494-90-1	GALLIUM(III) NITRATE HYDRATE	5	gm	06/15/2015
0001342099		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001390138		ES COMPLEAT	1	gal	06/15/2015
0001390137		ES COMPLEAT	1	gal	06/15/2015
0001342101		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001390135		ES COMPLEAT	1	gal	06/15/2015
0001342102		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001390133		ES COMPLEAT	1	gal	06/15/2015
0001390131		ES COMPLEAT	1	gal	06/15/2015
0001390128		ES COMPLEAT	1	gal	06/15/2015
0001317853	67-68-5	DIMETHYL SULFOXIDE	10	ml	06/15/2015
0001317852	67-68-5	DIMETHYL SULFOXIDE	10	ml	06/15/2015
0001317851	67-68-5	DIMETHYL SULFOXIDE	10	ml	06/15/2015
0001390136		ES COMPLEAT	1	gal	06/15/2015
0001342109		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001390130		ES COMPLEAT	1	gal	06/15/2015
0001342105		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342104		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342103		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342106		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342100		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342108		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001317848	67-68-5	DIMETHYL SULFOXIDE	10	ml	06/15/2015
0001342110		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342111		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001342058		M-BOND 200 ADHESIVE KIT	1	oz	06/15/2015
0001342057		M-BOND 200 ADHESIVE KIT	1	oz	06/15/2015
0001342056		M-BOND 200 ADHESIVE KIT	1	oz	06/15/2015
0001342055		M-BOND 200 ADHESIVE KIT	1	oz	06/15/2015
0001342107		TRA-CON BLUE DYE EPOXY	2.5	gm	06/15/2015
0001317838	25068-38-6	EMBED 812	450	ml	06/15/2015
0001390139		ES COMPLEAT	1	gal	06/15/2015
0001317841	999-97-3	HEXAMETHYLDISILAZANE	25	ml	06/15/2015
0001317842		REAGENT ALCOHOL	1	gal	06/15/2015
0001342059		M-BOND 200 ADHESIVE KIT	1	oz	06/15/2015
0001342060	19764-96-6	1,1',3,3,3',3'- Hexamethylindotricarbocyanine iodide	100	mg	06/15/2015
0001317846	67-66-3	CHLOROFORM	25	ml	06/15/2015
0001342061	107-43-7	BETAINE	1	oz	06/15/2015
0001342062	7761-88-8	SILVER NITRATE	25	gm	06/15/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001342063	7761-88-8	SILVER NITRATE	25	gm	06/15/2015
0001317836	25068-38-6	EMBED 812	450	ml	06/15/2015
0001390129		ES COMPLEAT	1	gal	06/15/2015
0001317837	25068-38-6	EMBED 812	450	ml	06/15/2015
0001317849	67-68-5	DIMETHYL SULFOXIDE	10	ml	06/15/2015
0001349513	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349558	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349559	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349560	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349561	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349509	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349562	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349512	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349514	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349515	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349519	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349510	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349511	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349563	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349516	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349517	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349550	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349553	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349551	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349557	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349556	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349555	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349554	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349552	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349549	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349489	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349508	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349518	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349476	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349487	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001382401	7732-18-5	Hydrochloric Acid 30-31%	3000	lb	06/16/2015
0001349418	67-56-1	METHANOL	2500	ml	06/16/2015
0001349419	67-56-1	METHANOL	2500	ml	06/16/2015
0001349420	67-56-1	METHANOL	2500	ml	06/16/2015
0001349421	67-56-1	METHANOL	2500	ml	06/16/2015
0001349422	67-56-1	METHANOL	2500	ml	06/16/2015
0001349471	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349472	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349473	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349428	1655-35-2	Na 2,7-Naphthalene	25	kg	06/16/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001349475	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349427	1655-45-4	Disodium 2,6-Naphthalenedisulfonate	25	kg	06/16/2015
0001349477	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349478	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349479	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349480	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349481	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349482	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349483	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349484	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349485	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349491	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349474	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001327781	144-55-8	SODIUM BICARBONATE	500	gm	06/16/2015
0001390173		TRAFFIC PAINT YELLOW	5	gal	06/16/2015
0001349530	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349567	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349568	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349569	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349570	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001317840	75-12-7	FORMAMIDE	500	ml	06/16/2015
0000912975	288-32-4	IMIDAZOLE, 99%	100	gm	06/16/2015
0000912976	54-21-7	SALICYLIC ACID, SODIUM SLAT (SODIUM SALICYLATE)	5	gm	06/16/2015
0000912974	25322-68-3	POLYETHYLENE GLYCOL 8000	1	kg	06/16/2015
0001349429	1655-35-2	Na 2,7-Naphthalene	25	kg	06/16/2015
0000912971	68954-42-7	CHELATING RESIN (CHELEX 100, SODIUM FORM)	50	gm	06/16/2015
0001349488	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001327782		A-2 Epoxy Adhesive A-E C Kit	70	gm	06/16/2015
0001327783		A-2 Epoxy Adhesive A-E C Kit	70	gm	06/16/2015
0001327784		A-2 Epoxy Adhesive A-E C Kit	70	gm	06/16/2015
0001342096	7782-63-0	FERROUS SULFATE, HEPTAHYDRATE	100	gm	06/16/2015
0001342097	25322-68-3	POLYETHYLENE GLYCOL 300	100	ml	06/16/2015
0001342098	7757-82-6	SODIUM SULFATE	100	ml	06/16/2015
0001349423	25322-68-3	POLYETHYLENE GLYCOL 600	100	ml	06/16/2015
0001349424	25952-53-8	1-ETHYL-3-(3-DIMETHYLAMINOPROPYL)-CARBODIIMIDE	5	gm	06/16/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001349425	69227-93-6	n-DODECYL-?-D-MALTOPYRANOSIDE	25	gm	06/16/2015
0001349426	1655-45-4	Disodium 2,6-Naphthalenedisulfonate	25	kg	06/16/2015
0000912972	68954-42-7	CHELATING RESIN (CHELEX 100, SODIUM FORM)	50	gm	06/16/2015
0001349496	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349486	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349546	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349547	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349548	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349566	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349565	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349564	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349490	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349492	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349493	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349544	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349495	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349543	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349497	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349498	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349499	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349500	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349501	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349502	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349503	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349504	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349505	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349506	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349494	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349532	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001311620		MULTI-PURPOSE GREASE	14.1	oz	06/16/2015
0001311619		MULTI-PURPOSE GREASE	14.1	oz	06/16/2015
0001311618		MULTI-PURPOSE GREASE	14.1	oz	06/16/2015
0001311617		MULTI-PURPOSE GREASE	14.1	oz	06/16/2015
0001311616		MULTI-PURPOSE GREASE	14.1	oz	06/16/2015
0001311615		MULTI-PURPOSE GREASE	14.1	oz	06/16/2015
0001311614		MULTI-PURPOSE GREASE	14.1	oz	06/16/2015
0001202937	126-30-7	NEOPENTYL GLYCOL	250	gm	06/16/2015
0001202936	126-30-7	NEOPENTYL GLYCOL	250	gm	06/16/2015
0001317646		CLOROX	3.57	l	06/16/2015
0001349545	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349531	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349507	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001349533	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349534	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349535	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349536	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349537	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349538	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349539	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349540	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349541	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001349542	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001382402	7732-18-5	Hydrochloric Acid 30-31%	3000	lb	06/16/2015
0001390201		DENATURED ALCOHOL	1	gal	06/16/2015
0001342074		AZ 400K DEVELOPER	1	gal	06/16/2015
0001342075	25389-94-0	KANAMYCIN SULFATE	25	gm	06/16/2015
0001342076	7631-99-4	SODIUM NITRATE	10	kg	06/16/2015
0001342077	7631-99-4	SODIUM NITRATE	10	kg	06/16/2015
0001342078	7631-99-4	SODIUM NITRATE	10	kg	06/16/2015
0001342079	7631-99-4	SODIUM NITRATE	10	kg	06/16/2015
0001342080	7631-99-4	SODIUM NITRATE	10	kg	06/16/2015
0001342081	7631-99-4	SODIUM NITRATE	10	kg	06/16/2015
0001342082	7631-99-4	SODIUM NITRATE	10	kg	06/16/2015
0001342083	7631-99-4	SODIUM NITRATE	10	kg	06/16/2015
0001349417	67-56-1	METHANOL	2500	ml	06/16/2015
0001349529	124-38-9	CARBON DIOXIDE, GAS	12	gm	06/16/2015
0001390158		ready mix concrete	60	lb	06/16/2015
0001342093	67-56-1	METHANOL	4	l	06/16/2015
0001390200		DENATURED ALCOHOL	1	gal	06/16/2015
0001390199		DENATURED ALCOHOL	1	gal	06/16/2015
0001390198		DENATURED ALCOHOL	1	gal	06/16/2015
0001311626		DRY FILM MOLY LUBRICANT LU 200	11	oz	06/16/2015
0001311625		DRY FILM MOLY LUBRICANT LU 200	11	oz	06/16/2015
0001390180		TRAFFIC PAINT YELLOW	5	gal	06/16/2015
0001390178		TRAFFIC PAINT YELLOW	5	gal	06/16/2015
0001390177		TRAFFIC PAINT YELLOW	5	gal	06/16/2015
0001390176		TRAFFIC PAINT YELLOW	5	gal	06/16/2015
0001390175		TRAFFIC PAINT YELLOW	5	gal	06/16/2015
0001390174		TRAFFIC PAINT YELLOW	5	gal	06/16/2015
0001390157		ready mix concrete	60	lb	06/16/2015
0001390159		ready mix concrete	60	lb	06/16/2015
0001349410	872-50-4	N-METHYL-2-PYRROLIDONE	4	l	06/16/2015
0001311627		193 GLOSS BLACK CHASSIS & GRILLE GUARD PAINT	12	oz	06/16/2015
0001349399	872-50-4	N-METHYL-2-PYRROLIDONE	4	l	06/16/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001349400	872-50-4	N-METHYL-2-PYRROLIDONE	4 l		06/16/2015
0001349401	872-50-4	N-METHYL-2-PYRROLIDONE	4 l		06/16/2015
0001349528	124-38-9	CARBON DIOXIDE, GAS	12 gm		06/16/2015
0001349402	872-50-4	N-METHYL-2-PYRROLIDONE	4 l		06/16/2015
0001349520	124-38-9	CARBON DIOXIDE, GAS	12 gm		06/16/2015
0001349403	872-50-4	N-METHYL-2-PYRROLIDONE	4 l		06/16/2015
0001349404	872-50-4	N-METHYL-2-PYRROLIDONE	4 l		06/16/2015
0001349405	872-50-4	N-METHYL-2-PYRROLIDONE	4 l		06/16/2015
0001349406	872-50-4	N-METHYL-2-PYRROLIDONE	4 l		06/16/2015
0001349407	872-50-4	N-METHYL-2-PYRROLIDONE	4 l		06/16/2015
0001342073		AZ 400K DEVELOPER	1 gal		06/16/2015
0001349409	872-50-4	N-METHYL-2-PYRROLIDONE	4 l		06/16/2015
0001342072		AZ 400K DEVELOPER	1 gal		06/16/2015
0001349411	67-56-1	METHANOL	2500 ml		06/16/2015
0001349412	67-56-1	METHANOL	2500 ml		06/16/2015
0001349413	67-56-1	METHANOL	2500 ml		06/16/2015
0001349414	67-56-1	METHANOL	2500 ml		06/16/2015
0001349415	67-56-1	METHANOL	2500 ml		06/16/2015
0001349416	67-56-1	METHANOL	2500 ml		06/16/2015
0001311628		193 GLOSS BLACK CHASSIS & GRILLE GUARD PAINT	12 oz		06/16/2015
0001311629		193 GLOSS BLACK CHASSIS & GRILLE GUARD PAINT	12 oz		06/16/2015
0001342095	67-56-1	METHANOL	4 l		06/16/2015
0001342094	67-56-1	METHANOL	4 l		06/16/2015
0001342092	67-56-1	METHANOL	4 l		06/16/2015
0001390179		TRAFFIC PAINT YELLOW	5 gal		06/16/2015
0001349408	872-50-4	N-METHYL-2-PYRROLIDONE	4 l		06/16/2015
0001390171		TRAFFIC PAINT YELLOW	5 gal		06/16/2015
0001342088	64-17-5	ETHYL ALCOHOL	4 l		06/16/2015
0001390186		WHITE TRAFFIC PAINT	5 gal		06/16/2015
0001390185		WHITE TRAFFIC PAINT	5 gal		06/16/2015
0001390184		WHITE TRAFFIC PAINT	5 gal		06/16/2015
0001390183		WHITE TRAFFIC PAINT	5 gal		06/16/2015
0001311623		CARB AND CHOKE CLEANER	13 oz		06/16/2015
0001390156		ready mix concrete	60 lb		06/16/2015
0001390181		TRAFFIC PAINT YELLOW	5 gal		06/16/2015
0001311621		LOCTITE THREADLOCKER	10 ml		06/16/2015
0001311624		CARB AND CHOKE CLEANER	13 oz		06/16/2015
0001390197		DENATURED ALCOHOL	1 gal		06/16/2015
0001390168		TRAFFIC PAINT YELLOW	5 gal		06/16/2015
0001390188		WHITE TRAFFIC PAINT	5 gal		06/16/2015
0001390170		TRAFFIC PAINT YELLOW	5 gal		06/16/2015
0001390189		WHITE TRAFFIC PAINT	5 gal		06/16/2015
0001390172		TRAFFIC PAINT YELLOW	5 gal		06/16/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001342091	64-17-5	ETHYL ALCOHOL	4 l		06/16/2015
0001342090	64-17-5	ETHYL ALCOHOL	4 l		06/16/2015
0001342089	64-17-5	ETHYL ALCOHOL	4 l		06/16/2015
0001342068	1345-07-9	BISMUTH(III) SULFIDE	25 gm		06/16/2015
0001342069	68410-23-1	VERSAMID 140 POLYAMIDE RESIN	1 qt		06/16/2015
0001342070	68410-23-1	VERSAMID 140 POLYAMIDE RESIN	1 qt		06/16/2015
0001382405		VACUUM GREASE	1 oz		06/16/2015
0001342084	7631-99-4	SODIUM NITRATE	10 kg		06/16/2015
0001342085	7631-99-4	SODIUM NITRATE	10 kg		06/16/2015
0001342086	7631-99-4	SODIUM NITRATE	10 kg		06/16/2015
0001342087	7631-99-4	SODIUM NITRATE	10 kg		06/16/2015
0001390147		POLYKEN 1027 LIQUID ADHESIVE	1 gal		06/16/2015
0001390169		TRAFFIC PAINT YELLOW	5 gal		06/16/2015
0001390149		ready mix concrete	60 lb		06/16/2015
0001349527	124-38-9	CARBON DIOXIDE, GAS	12 gm		06/16/2015
0001349526	124-38-9	CARBON DIOXIDE, GAS	12 gm		06/16/2015
0001349525	124-38-9	CARBON DIOXIDE, GAS	12 gm		06/16/2015
0001349524	124-38-9	CARBON DIOXIDE, GAS	12 gm		06/16/2015
0001349523	124-38-9	CARBON DIOXIDE, GAS	12 gm		06/16/2015
0001349522	124-38-9	CARBON DIOXIDE, GAS	12 gm		06/16/2015
0001349521	124-38-9	CARBON DIOXIDE, GAS	12 gm		06/16/2015
0001390155		ready mix concrete	60 lb		06/16/2015
0001390154		ready mix concrete	60 lb		06/16/2015
0001390153		ready mix concrete	60 lb		06/16/2015
0001390152		ready mix concrete	60 lb		06/16/2015
0001390187		WHITE TRAFFIC PAINT	5 gal		06/16/2015
0001390150		ready mix concrete	60 lb		06/16/2015
0001390196		WHITE TRAFFIC PAINT	5 gal		06/16/2015
0001390148		ready mix concrete	60 lb		06/16/2015
0001311633		DIESEL EXHAUST FLUID	2.5 gal		06/16/2015
0001311632		DIESEL EXHAUST FLUID	2.5 gal		06/16/2015
0001311631		DIESEL EXHAUST FLUID	2.5 gal		06/16/2015
0001311630		DIESEL EXHAUST FLUID	2.5 gal		06/16/2015
0001390190		WHITE TRAFFIC PAINT	5 gal		06/16/2015
0001311622		CHAIN AND CABLE FLUID	11 oz		06/16/2015
0001390191		WHITE TRAFFIC PAINT	5 gal		06/16/2015
0001390151		ready mix concrete	60 lb		06/16/2015
0001390195		WHITE TRAFFIC PAINT	5 gal		06/16/2015
0001390194		WHITE TRAFFIC PAINT	5 gal		06/16/2015
0001390193		WHITE TRAFFIC PAINT	5 gal		06/16/2015
0001390192		WHITE TRAFFIC PAINT	5 gal		06/16/2015
0001390144		HENRY 351	4 gal		06/16/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001382375		POLYMER SYSTEM	10	gm	06/16/2015
0001382374		POLYMER SYSTEM	10	gm	06/16/2015
0001382406		VACUUM GREASE	1	oz	06/16/2015
0001342071		AZ 400K DEVELOPER	1	gal	06/16/2015
0001390126		HENRY 351	4	gal	06/16/2015
0001390145		HENRY 351	4	gal	06/16/2015
0001382373		DOW CORNING 93-500 SPACE GRADE ENCAPSULANT	0.05	kg	06/16/2015
0001390143		HENRY 351	4	gal	06/16/2015
0001390142		HENRY 351	4	gal	06/16/2015
0001390141		HENRY 351	4	gal	06/16/2015
0001390140		HENRY 351	4	gal	06/16/2015
0001382407		VACUUM GREASE	1	oz	06/16/2015
0001382408		VACUUM GREASE	1	oz	06/16/2015
0001382409		VACUUM GREASE	1	oz	06/16/2015
0001390124		HENRY 351	4	gal	06/16/2015
0001390125		HENRY 351	4	gal	06/16/2015
0001390146		HENRY 351	4	gal	06/16/2015
0001349577	10045-94-0	MERCURIC NITRATE	100	ml	06/17/2015
0001349576	10045-94-0	MERCURIC NITRATE	100	ml	06/17/2015
0001349575		BUFFER PH 7 (YELLOW BUFFER)	125	ml	06/17/2015
0001349578	10045-94-0	MERCURIC NITRATE	100	ml	06/17/2015
0001349579	10045-94-0	MERCURIC NITRATE	100	ml	06/17/2015
0001349580	10045-94-0	MERCURIC NITRATE	100	ml	06/17/2015
0001349581	10045-94-0	MERCURIC NITRATE	100	ml	06/17/2015
0001349582	10045-94-0	MERCURIC NITRATE	100	ml	06/17/2015
0001349583	10045-94-0	MERCURIC NITRATE	100	ml	06/17/2015
0001349584	10045-94-0	MERCURIC NITRATE	100	ml	06/17/2015
0001349585	10045-94-0	MERCURIC NITRATE	100	ml	06/17/2015
0001349586	10045-94-0	MERCURIC NITRATE	100	ml	06/17/2015
0001349587	10045-94-0	MERCURIC NITRATE	100	ml	06/17/2015
0001349588	10045-94-0	MERCURIC NITRATE	100	ml	06/17/2015
0001349590	10045-94-0	MERCURIC NITRATE	100	ml	06/17/2015
0001349574		BUFFER PH 7 (YELLOW BUFFER)	125	ml	06/17/2015
0001349432	7601-90-3	PERCHLORIC ACID OPTIMA	1	l	06/17/2015
0001349589	10045-94-0	MERCURIC NITRATE	100	ml	06/17/2015
0001327792	7664-93-9	SULFURIC ACID	2.5	l	06/17/2015
0001349437		HYDROBROMIC ACID OPTIMA	1	l	06/17/2015
0001349436		HYDROBROMIC ACID OPTIMA	1	l	06/17/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001349573		BUFFER PH 10 (BLUE BUFFER)	125	ml	06/17/2015
0001349433		THERMALLY CONDUCTIVE EPOXY ADHESIVE	1	pt	06/17/2015
0001349434	67969-82-8	TETRAFLUOROBORIC ACID-DIETHYL ETHER COMPLEX	100	ml	06/17/2015
0001349431	7601-90-3	PERCHLORIC ACID OPTIMA	1	l	06/17/2015
0001349438		HYDROBROMIC ACID OPTIMA	1	l	06/17/2015
0001327793	96-41-3	CYCLOPENTANOL	100	ml	06/17/2015
0001349435		HYDROBROMIC ACID OPTIMA	1	l	06/17/2015
0001327791	7664-93-9	SULFURIC ACID	2.5	l	06/17/2015
0001327790	110-54-3	HEXANE (HEXANE, ANHYDROUS)	1	l	06/17/2015
0001327789	67-63-0	ISOPROPANOL, ANHYDROUS	4	l	06/17/2015
0001327788		DENATURED ALCOHOL	1	gal	06/17/2015
0001327787		DENATURED ALCOHOL	1	gal	06/17/2015
0001327786		DENATURED ALCOHOL	1	gal	06/17/2015
0001327785		DENATURED ALCOHOL	1	gal	06/17/2015
0001349430	7601-90-3	PERCHLORIC ACID OPTIMA	1	l	06/17/2015
0001349451	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	500	ml	06/17/2015
0001349572		BUFFER PH 10 (BLUE BUFFER)	125	ml	06/17/2015
0001349571		BUFFER PH 10 (BLUE BUFFER)	125	ml	06/17/2015
0001349452	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	500	ml	06/17/2015
0001349439	7697-37-2	NITRIC ACID OPTIMA	500	ml	06/17/2015
0001349450	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	500	ml	06/17/2015
0001349449	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	500	ml	06/17/2015
0001349448	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	500	ml	06/17/2015
0001349440	7697-37-2	NITRIC ACID OPTIMA	500	ml	06/17/2015
0001349446	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	500	ml	06/17/2015
0001349445	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	500	ml	06/17/2015
0001349444	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	500	ml	06/17/2015
0001349443	67-64-1	ACETONE	20	l	06/17/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001349442	7697-37-2	NITRIC ACID OPTIMA	500	ml	06/17/2015
0001349441	7697-37-2	NITRIC ACID OPTIMA	500	ml	06/17/2015
0001349447	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	500	ml	06/17/2015
0001349453	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	500	ml	06/17/2015
0001349595	10045-94-0	MERCURIC NITRATE	100	ml	06/17/2015
0001382410	1310-73-2	Sodium Hydroxide 25%	3400	lb	06/17/2015
0001382404	1310-73-2	Sodium Hydroxide 25%	3400	lb	06/17/2015
0001382403	1310-73-2	Sodium Hydroxide 25%	3400	lb	06/17/2015
0001349594	10045-94-0	MERCURIC NITRATE	100	ml	06/17/2015
0001349593	10045-94-0	MERCURIC NITRATE	100	ml	06/17/2015
0001349592	10045-94-0	MERCURIC NITRATE	100	ml	06/17/2015
0001349591	10045-94-0	MERCURIC NITRATE	100	ml	06/17/2015
0001382412	1310-73-2	Sodium Hydroxide 25%	3400	lb	06/17/2015
0001382376		EP21TCHT-1 Part A	0.25	pt	06/17/2015
0001382377		MASTER BOND EP21TCHT-1 PART B	0.25	lb	06/17/2015
0001362732		ETHANOL BREATH STANDARD BAL NITROGEN	105	l	06/17/2015
0001362733		ETHANOL BREATH STANDARD BAL NITROGEN	105	l	06/17/2015
0001362734		ETHANOL BREATH STANDARD BAL NITROGEN	105	l	06/17/2015
0001362735		ETHANOL BREATH STANDARD BAL NITROGEN	105	l	06/17/2015
0001362736		ETHANOL BREATH STANDARD BAL NITROGEN	105	l	06/17/2015
0001382411	1310-73-2	Sodium Hydroxide 25%	3400	lb	06/17/2015
0001362900	1333-74-0	HYDROGEN	220	cf	06/18/2015
0001362901	1333-74-0	HYDROGEN	220	cf	06/18/2015
0001362902	1333-74-0	HYDROGEN	220	cf	06/18/2015
0001362903	1333-74-0	HYDROGEN	220	cf	06/18/2015
0001362904	1333-74-0	HYDROGEN	220	cf	06/18/2015
0001362905	1333-74-0	HYDROGEN	220	cf	06/18/2015
0001362906	1333-74-0	HYDROGEN	220	cf	06/18/2015
0001362908	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/18/2015
0001362788	7440-59-7	HELIUM	220	cf	06/18/2015
0001362907	1333-74-0	HYDROGEN	220	cf	06/18/2015
0001362809	74-86-2	ACETYLENE	40	cf	06/18/2015
0001362831		P-10 (90% ARGON 10% METHANE)	220	cf	06/18/2015
0001362822		5% HYDROGEN/BAL. NITROGEN	220	cf	06/18/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001362823		5% HYDROGEN/BAL. NITROGEN	220	cf	06/18/2015
0001362824		5% HYDROGEN/BAL. NITROGEN	220	cf	06/18/2015
0001362825		5% HYDROGEN/BAL. NITROGEN	220	cf	06/18/2015
0001362826		5% HYDROGEN/BAL. NITROGEN	220	cf	06/18/2015
0001362820		5% HYDROGEN/BAL. NITROGEN	220	cf	06/18/2015
0001362810	74-86-2	ACETYLENE	40	cf	06/18/2015
0001362819		5% HYDROGEN/BAL. NITROGEN	220	cf	06/18/2015
0001362808	74-86-2	ACETYLENE	40	cf	06/18/2015
0001362807	74-86-2	ACETYLENE	40	cf	06/18/2015
0001362806	74-86-2	ACETYLENE	40	cf	06/18/2015
0001362827		5% HYDROGEN/BAL. NITROGEN	220	cf	06/18/2015
0001362829		P-10 (90% ARGON 10% METHANE)	220	cf	06/18/2015
0001362786	7440-59-7	HELIUM	220	cf	06/18/2015
0001362811	74-86-2	ACETYLENE	40	cf	06/18/2015
0001390164		EP GEL-FAST Components A/B	250	ml	06/18/2015
0001362812	74-86-2	ACETYLENE	40	cf	06/18/2015
0001362813	74-86-2	ACETYLENE	40	cf	06/18/2015
0001362814	74-86-2	ACETYLENE	10	cf	06/18/2015
0000912965	50-70-4	D-SORBITOL	100	gm	06/18/2015
0001390160		EP GEL-FAST Components A/B	250	ml	06/18/2015
0001390161		EP GEL-FAST Components A/B	250	ml	06/18/2015
0001362821		5% HYDROGEN/BAL. NITROGEN	220	cf	06/18/2015
0001390163		EP GEL-FAST Components A/B	250	ml	06/18/2015
0001362832		P-10 (90% ARGON 10% METHANE)	220	cf	06/18/2015
0001390165		EP GEL-FAST Components A/B	250	ml	06/18/2015
0001390166		EP GEL-FAST Components A/B	250	ml	06/18/2015
0001362815	74-86-2	ACETYLENE	10	cf	06/18/2015
0001362816	74-86-2	ACETYLENE	10	cf	06/18/2015
0001362817	74-86-2	ACETYLENE	10	cf	06/18/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001362818		5% HYDROGEN/BAL. NITROGEN	220	cf	06/18/2015
0001390162		EP GEL-FAST Components A/B	250	ml	06/18/2015
0001362789	7440-59-7	HELIUM	220	cf	06/18/2015
0001362830		P-10 (90% ARGON 10% METHANE)	220	cf	06/18/2015
0001362796		94% ARGON/6% HYDROGEN	220	cf	06/18/2015
0001362795		94% ARGON/6% HYDROGEN	220	cf	06/18/2015
0001362794		94% ARGON/6% HYDROGEN	220	cf	06/18/2015
0001362793		94% ARGON/6% HYDROGEN	220	cf	06/18/2015
0001362792		94% ARGON/6% HYDROGEN	220	cf	06/18/2015
0001362798		94% ARGON/6% HYDROGEN	220	cf	06/18/2015
0001362790		94% ARGON/6% HYDROGEN	220	cf	06/18/2015
0001362799		94% ARGON/6% HYDROGEN	220	cf	06/18/2015
0001362787	7440-59-7	HELIUM	220	cf	06/18/2015
0001362785	7440-59-7	HELIUM	220	cf	06/18/2015
0001362784	7440-59-7	HELIUM	220	cf	06/18/2015
0001362783	7440-59-7	HELIUM	220	cf	06/18/2015
0001362840		P-10 (90% ARGON 10% METHANE)	220	cf	06/18/2015
0001362841		P-10 (90% ARGON 10% METHANE)	220	cf	06/18/2015
0001362791		94% ARGON/6% HYDROGEN	220	cf	06/18/2015
0001362892	1333-74-0	HYDROGEN	220	cf	06/18/2015
0001362833		P-10 (90% ARGON 10% METHANE)	220	cf	06/18/2015
0001362834		P-10 (90% ARGON 10% METHANE)	220	cf	06/18/2015
0001362835		P-10 (90% ARGON 10% METHANE)	220	cf	06/18/2015
0001362836		P-10 (90% ARGON 10% METHANE)	220	cf	06/18/2015
0001362837		P-10 (90% ARGON 10% METHANE)	220	cf	06/18/2015
0001362838		P-10 (90% ARGON 10% METHANE)	220	cf	06/18/2015
0001362797		94% ARGON/6% HYDROGEN	220	cf	06/18/2015
0001362899	1333-74-0	HYDROGEN	220	cf	06/18/2015
0001362842		P-10 (90% ARGON 10% METHANE)	220	cf	06/18/2015
0001362805	74-86-2	ACETYLENE	40	cf	06/18/2015
0001362804		94% ARGON/6% HYDROGEN	220	cf	06/18/2015
0001362803		94% ARGON/6% HYDROGEN	220	cf	06/18/2015
0001362802		94% ARGON/6% HYDROGEN	220	cf	06/18/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001362801		94% ARGON/6% HYDROGEN	220	cf	06/18/2015
0001362800		94% ARGON/6% HYDROGEN	220	cf	06/18/2015
0001362839		P-10 (90% ARGON 10% METHANE)	220	cf	06/18/2015
0001362878		AIR, COMPRESSED	220	cf	06/18/2015
0001362889	1333-74-0	HYDROGEN	220	cf	06/18/2015
0001362869	7440-37-1	ARGON, COMPRESSED	220	cf	06/18/2015
0001362870	7440-37-1	ARGON, COMPRESSED	220	cf	06/18/2015
0001362871	7440-37-1	ARGON, COMPRESSED	220	cf	06/18/2015
0001362872		AIR, COMPRESSED	220	cf	06/18/2015
0001362894	1333-74-0	HYDROGEN	220	cf	06/18/2015
0001362857	7440-37-1	ARGON, COMPRESSED	220	cf	06/18/2015
0001362874		AIR, COMPRESSED	220	cf	06/18/2015
0001362863	7440-37-1	ARGON, COMPRESSED	220	cf	06/18/2015
0001362867	7440-37-1	ARGON, COMPRESSED	220	cf	06/18/2015
0001362877		AIR, COMPRESSED	220	cf	06/18/2015
0001362866	7440-37-1	ARGON, COMPRESSED	220	cf	06/18/2015
0001362879	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/18/2015
0001362880	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/18/2015
0001362881	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/18/2015
0001362882	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/18/2015
0001362883	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/18/2015
0001362884	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/18/2015
0001362885	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/18/2015
0001362886	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/18/2015
0001362887	1333-74-0	HYDROGEN	220	cf	06/18/2015
0001362888	1333-74-0	HYDROGEN	220	cf	06/18/2015
0001362876		AIR, COMPRESSED	220	cf	06/18/2015
0001362850		P-10 (90% ARGON 10% METHANE)	220	cf	06/18/2015
0001362858	7440-37-1	ARGON, COMPRESSED	220	cf	06/18/2015
0001362859	7440-37-1	ARGON, COMPRESSED	220	cf	06/18/2015
0001362860	7440-37-1	ARGON, COMPRESSED	220	cf	06/18/2015
0001362861	7440-37-1	ARGON, COMPRESSED	220	cf	06/18/2015
0001362828		2% ARgon/Bal. Helium	220	cf	06/18/2015
0001362856		P-10 (90% ARGON 10% METHANE)	220	cf	06/18/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001362855		P-10 (90% ARGON 10% METHANE)	220	cf	06/18/2015
0001362854		P-10 (90% ARGON 10% METHANE)	220	cf	06/18/2015
0001362853		P-10 (90% ARGON 10% METHANE)	220	cf	06/18/2015
0001362868	7440-37-1	ARGON, COMPRESSED	220	cf	06/18/2015
0001362851		P-10 (90% ARGON 10% METHANE)	220	cf	06/18/2015
0001362875		AIR, COMPRESSED	220	cf	06/18/2015
0001362849		P-10 (90% ARGON 10% METHANE)	220	cf	06/18/2015
0001362848		P-10 (90% ARGON 10% METHANE)	220	cf	06/18/2015
0001362847		P-10 (90% ARGON 10% METHANE)	220	cf	06/18/2015
0001362846		P-10 (90% ARGON 10% METHANE)	220	cf	06/18/2015
0001362845		P-10 (90% ARGON 10% METHANE)	220	cf	06/18/2015
0001362844		P-10 (90% ARGON 10% METHANE)	220	cf	06/18/2015
0001362843		P-10 (90% ARGON 10% METHANE)	220	cf	06/18/2015
0001362862	7440-37-1	ARGON, COMPRESSED	220	cf	06/18/2015
0001362864	7440-37-1	ARGON, COMPRESSED	220	cf	06/18/2015
0001362865	7440-37-1	ARGON, COMPRESSED	220	cf	06/18/2015
0001362852		P-10 (90% ARGON 10% METHANE)	220	cf	06/18/2015
0001362891	1333-74-0	HYDROGEN	220	cf	06/18/2015
0001362893	1333-74-0	HYDROGEN	220	cf	06/18/2015
0001362895	1333-74-0	HYDROGEN	220	cf	06/18/2015
0001362896	1333-74-0	HYDROGEN	220	cf	06/18/2015
0001362897	1333-74-0	HYDROGEN	220	cf	06/18/2015
0001362873		AIR, COMPRESSED	220	cf	06/18/2015
0001362890	1333-74-0	HYDROGEN	220	cf	06/18/2015
0001362898	1333-74-0	HYDROGEN	220	cf	06/18/2015
0001362748	74-98-6	PROPANE	11	gal	06/18/2015
0001362759	74-98-6	PROPANE	11	gal	06/18/2015
0001362758	74-98-6	PROPANE	11	gal	06/18/2015
0001362757	74-98-6	PROPANE	11	gal	06/18/2015
0001362756	74-98-6	PROPANE	11	gal	06/18/2015
0001362755	74-98-6	PROPANE	11	gal	06/18/2015
0001362754	74-98-6	PROPANE	11	gal	06/18/2015
0001362753	74-98-6	PROPANE	11	gal	06/18/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001362752	74-98-6	PROPANE	11	gal	06/18/2015
0001362751	74-98-6	PROPANE	11	gal	06/18/2015
0001362760	74-98-6	PROPANE	11	gal	06/18/2015
0001362749	74-98-6	PROPANE	11	gal	06/18/2015
0001362764	7440-59-7	HELIUM	220	cf	06/18/2015
0001362747		OXYGEN COMPRESSED GAS	220	cf	06/18/2015
0001362746		OXYGEN COMPRESSED GAS	220	cf	06/18/2015
0001362745		OXYGEN COMPRESSED GAS	220	cf	06/18/2015
0001362750	74-98-6	PROPANE	11	gal	06/18/2015
0001362769	7440-59-7	HELIUM	220	cf	06/18/2015
0001362777	7440-59-7	HELIUM	220	cf	06/18/2015
0001362776	7440-59-7	HELIUM	220	cf	06/18/2015
0001362775	7440-59-7	HELIUM	220	cf	06/18/2015
0001362774	7440-59-7	HELIUM	220	cf	06/18/2015
0001362773	7440-59-7	HELIUM	220	cf	06/18/2015
0001362772	7440-59-7	HELIUM	220	cf	06/18/2015
0001362762	7440-59-7	HELIUM	220	cf	06/18/2015
0001362770	7440-59-7	HELIUM	220	cf	06/18/2015
0001362761	74-98-6	PROPANE	11	gal	06/18/2015
0001362768	7440-59-7	HELIUM	220	cf	06/18/2015
0001362767	7440-59-7	HELIUM	220	cf	06/18/2015
0001362766	7440-59-7	HELIUM	220	cf	06/18/2015
0001362765	7440-59-7	HELIUM	220	cf	06/18/2015
0000912954	26266-58-0	SORBITAN TRIOLEATE	250	ml	06/18/2015
0001362763	7440-59-7	HELIUM	220	cf	06/18/2015
0001362744		OXYGEN COMPRESSED GAS	220	cf	06/18/2015
0001362771	7440-59-7	HELIUM	220	cf	06/18/2015
0001362741		OXYGEN COMPRESSED GAS	220	cf	06/18/2015
0001362918	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/18/2015
0001362919	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/18/2015
0001362920	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/18/2015
0001362782	7440-59-7	HELIUM	220	cf	06/18/2015
0001362781	7440-59-7	HELIUM	220	cf	06/18/2015
0001362780	7440-59-7	HELIUM	220	cf	06/18/2015
0001362921	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/18/2015
0001362778	7440-59-7	HELIUM	220	cf	06/18/2015
0001362915	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/18/2015
0001362740		OXYGEN COMPRESSED GAS	220	cf	06/18/2015
0001362739		OXYGEN COMPRESSED GAS	220	cf	06/18/2015
0001362738		OXYGEN COMPRESSED GAS	220	cf	06/18/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001362737		OXYGEN COMPRESSED GAS	220	cf	06/18/2015
0000912966	8013-01-2	YEAST EXTRACT	2	kg	06/18/2015
0000912967	90-33-5	4-METHYLLUMBERLLIFERONE	25	gm	06/18/2015
0001362779	7440-59-7	HELIUM	220	cf	06/18/2015
0001362909	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/18/2015
0001362742		OXYGEN COMPRESSED GAS	220	cf	06/18/2015
0001362922	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/18/2015
0000912955	67-71-0	METHYL SULFONE	5	gm	06/18/2015
0000912951	25389-94-0	KANAMYCIN SULFATE	5	gm	06/18/2015
0000912952	25389-94-0	KANAMYCIN SULFATE	5	gm	06/18/2015
0000912953	25389-94-0	KANAMYCIN SULFATE	5	gm	06/18/2015
0001362917	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/18/2015
0000912949	56-75-7	CHLORAMPHENICOL	100	gm	06/18/2015
0001362916	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/18/2015
0001362910	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/18/2015
0001362911	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/18/2015
0001362912	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/18/2015
0001362913	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/18/2015
0001362914	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/18/2015
0001362743		OXYGEN COMPRESSED GAS	220	cf	06/18/2015
0000912950	12609-80-2	DEAE SEPHDEX A-25	50	gm	06/18/2015
0001389896		fast setting cement	60	lb	06/19/2015
0001389865		fast setting cement	60	lb	06/19/2015
0001389864		fast setting cement	60	lb	06/19/2015
0001389871		CLOROX	1	gal	06/19/2015
0001390369		SODA ASH	50	lb	06/19/2015
0001390381		ASPHALT BINDER	55	gal	06/19/2015
0001389873		fast setting cement	60	lb	06/19/2015
0001390367		SODA ASH	50	lb	06/19/2015
0001362930		SUVA 410A Refrigerant	30	lb	06/19/2015
0001389895		fast setting cement	60	lb	06/19/2015
0001389894		fast setting cement	60	lb	06/19/2015
0001390375		SODA ASH	50	lb	06/19/2015
0001362929		SUVA 410A Refrigerant	30	lb	06/19/2015
0001390365		SODA ASH	50	lb	06/19/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001390382		ASPHALT BINDER	55	gal	06/19/2015
0001390383		ASPHALT BINDER	55	gal	06/19/2015
0001390316	65997-15-1	PORTLAND CEMENT	90	lb	06/19/2015
0001389867		CLOROX	1	gal	06/19/2015
0001389868		CLOROX	1	gal	06/19/2015
0001389876		fast setting cement	60	lb	06/19/2015
0001389875		fast setting cement	60	lb	06/19/2015
0001390366		SODA ASH	50	lb	06/19/2015
0001389874		fast setting cement	60	lb	06/19/2015
0001389870		CLOROX	1	gal	06/19/2015
0001362931		SUVA 410A Refrigerant	30	lb	06/19/2015
0001362932		SUVA 410A Refrigerant	30	lb	06/19/2015
0001390368		SODA ASH	50	lb	06/19/2015
0001389887		fast setting cement	60	lb	06/19/2015
0001390374		SODA ASH	50	lb	06/19/2015
0001389869		CLOROX	1	gal	06/19/2015
0001389880		fast setting cement	60	lb	06/19/2015
0001362928		SUVA 410A Refrigerant	30	lb	06/19/2015
0001390380		ASPHALT BINDER	55	gal	06/19/2015
0001362927		SUVA 410A Refrigerant	30	lb	06/19/2015
0001362926		SUVA 410A Refrigerant	30	lb	06/19/2015
0001362923	74-98-6	PROPANE	560	lb	06/19/2015
0001390321	65997-15-1	PORTLAND CEMENT	90	lb	06/19/2015
0001390320	65997-15-1	PORTLAND CEMENT	90	lb	06/19/2015
0001390319	65997-15-1	PORTLAND CEMENT	90	lb	06/19/2015
0001390318	65997-15-1	PORTLAND CEMENT	90	lb	06/19/2015
0001390373		SODA ASH	50	lb	06/19/2015
0001389879		fast setting cement	60	lb	06/19/2015
0001389877		fast setting cement	60	lb	06/19/2015
0001389881		fast setting cement	60	lb	06/19/2015
0001390317	65997-15-1	PORTLAND CEMENT	90	lb	06/19/2015
0001389898		fast setting cement	60	lb	06/19/2015
0001389897		fast setting cement	60	lb	06/19/2015
0001389882		fast setting cement	60	lb	06/19/2015
0001389883		fast setting cement	60	lb	06/19/2015
0001389884		fast setting cement	60	lb	06/19/2015
0001389885		fast setting cement	60	lb	06/19/2015
0001389886		fast setting cement	60	lb	06/19/2015
0001389878		fast setting cement	60	lb	06/19/2015
0001390372		SODA ASH	50	lb	06/19/2015
0001390371		SODA ASH	50	lb	06/19/2015
0001390370		SODA ASH	50	lb	06/19/2015
0001389893		fast setting cement	60	lb	06/19/2015
0001389892		fast setting cement	60	lb	06/19/2015
0001389891		fast setting cement	60	lb	06/19/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001389890		fast setting cement	60	lb	06/19/2015
0001389889		fast setting cement	60	lb	06/19/2015
0001389888		fast setting cement	60	lb	06/19/2015
0001390338		SODA ASH	50	lb	06/19/2015
0001390356		SODA ASH	50	lb	06/19/2015
0001390347		SODA ASH	50	lb	06/19/2015
0001390348		SODA ASH	50	lb	06/19/2015
0001390349		SODA ASH	50	lb	06/19/2015
0001390350		SODA ASH	50	lb	06/19/2015
0001390351		SODA ASH	50	lb	06/19/2015
0001390352		SODA ASH	50	lb	06/19/2015
0001390353		SODA ASH	50	lb	06/19/2015
0001390336		SODA ASH	50	lb	06/19/2015
0001390364		SODA ASH	50	lb	06/19/2015
0001390355		SODA ASH	50	lb	06/19/2015
0001390344		SODA ASH	50	lb	06/19/2015
0001390322		SODA ASH	50	lb	06/19/2015
0001390357		SODA ASH	50	lb	06/19/2015
0001390358		SODA ASH	50	lb	06/19/2015
0001390359		SODA ASH	50	lb	06/19/2015
0001390360		SODA ASH	50	lb	06/19/2015
0001390361		SODA ASH	50	lb	06/19/2015
0001390362		SODA ASH	50	lb	06/19/2015
0001390363		SODA ASH	50	lb	06/19/2015
0001390354		SODA ASH	50	lb	06/19/2015
0001390333		SODA ASH	50	lb	06/19/2015
0001390323		SODA ASH	50	lb	06/19/2015
0001390324		SODA ASH	50	lb	06/19/2015
0001390325		SODA ASH	50	lb	06/19/2015
0001390326		SODA ASH	50	lb	06/19/2015
0001390327		SODA ASH	50	lb	06/19/2015
0001390328		SODA ASH	50	lb	06/19/2015
0001390329		SODA ASH	50	lb	06/19/2015
0001390330		SODA ASH	50	lb	06/19/2015
0001390346		SODA ASH	50	lb	06/19/2015
0001390332		SODA ASH	50	lb	06/19/2015
0001390345		SODA ASH	50	lb	06/19/2015
0001390334		SODA ASH	50	lb	06/19/2015
0001390335		SODA ASH	50	lb	06/19/2015
0001390337		SODA ASH	50	lb	06/19/2015
0001390339		SODA ASH	50	lb	06/19/2015
0001390340		SODA ASH	50	lb	06/19/2015
0001390341		SODA ASH	50	lb	06/19/2015
0001390342		SODA ASH	50	lb	06/19/2015
0001390343		SODA ASH	50	lb	06/19/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001390331		SODA ASH	50	lb	06/19/2015
0001311636		Surface Prep	4.5	oz	06/22/2015
0001362934	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	500	l	06/22/2015
0001334164	7697-37-2	NITRIC ACID	450	ml	06/22/2015
0001311635		Surface Prep	4.5	oz	06/22/2015
0001362941	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	06/22/2015
0001362940	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	06/22/2015
0001362939	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	06/22/2015
0001362936	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	06/22/2015
0001362935	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	06/22/2015
0001362942	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	06/22/2015
0001311634		Surface Prep	4.5	oz	06/22/2015
0001362938	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	06/22/2015
0000912948		YPD AGAR	500	gm	06/22/2015
0001362933	124-38-9	CARBON DIOXIDE, GAS	220	cf	06/22/2015
0001311637		Surface Prep	4.5	oz	06/22/2015
0001362937	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	06/22/2015
0001349705	108-88-3	TOLUENE	1	l	06/23/2015
0000912957	9012-36-6	AGAROSE	5	gm	06/23/2015
0001390386		LYSOL BRAND III	12.5	oz	06/23/2015
0001390385		LYSOL BRAND III	12.5	oz	06/23/2015
0001390384		LYSOL BRAND III	12.5	oz	06/23/2015
0001390407		LYSOL BRAND III	12.5	oz	06/23/2015
0001349617		Photon Correlation Spectroscopy Control	125	ml	06/23/2015
0001349615	1310-73-2	SODIUM HYDROXIDE	500	ml	06/23/2015
0001390414		LYSOL BRAND III	12.5	oz	06/23/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001390402		LYSOL BRAND III	12.5	oz	06/23/2015
0001390403		LYSOL BRAND III	12.5	oz	06/23/2015
0001390404		LYSOL BRAND III	12.5	oz	06/23/2015
0000912947	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	500	ml	06/23/2015
0001390406		LYSOL BRAND III	12.5	oz	06/23/2015
0001390401		LYSOL BRAND III	12.5	oz	06/23/2015
0001390408		LYSOL BRAND III	12.5	oz	06/23/2015
0001390409		LYSOL BRAND III	12.5	oz	06/23/2015
0001390410		LYSOL BRAND III	12.5	oz	06/23/2015
0001390411		LYSOL BRAND III	12.5	oz	06/23/2015
0001390412		LYSOL BRAND III	12.5	oz	06/23/2015
0001390413		LYSOL BRAND III	12.5	oz	06/23/2015
0001390405		LYSOL BRAND III	12.5	oz	06/23/2015
0001390394		LYSOL BRAND III	12.5	oz	06/23/2015
0001390388		LYSOL BRAND III	12.5	oz	06/23/2015
0001390389		LYSOL BRAND III	12.5	oz	06/23/2015
0001390390		LYSOL BRAND III	12.5	oz	06/23/2015
0001390391		LYSOL BRAND III	12.5	oz	06/23/2015
0001390392		LYSOL BRAND III	12.5	oz	06/23/2015
0001390393		LYSOL BRAND III	12.5	oz	06/23/2015
0001349616		CONDUCTIVITY STANDARD	100	ml	06/23/2015
0000912946	7601-90-3	PERCHLORIC ACID, 70%	250	ml	06/23/2015
0001390387		LYSOL BRAND III	12.5	oz	06/23/2015
0001390395		LYSOL BRAND III	12.5	oz	06/23/2015
0001390396		LYSOL BRAND III	12.5	oz	06/23/2015
0001390397		LYSOL BRAND III	12.5	oz	06/23/2015
0001390398		LYSOL BRAND III	12.5	oz	06/23/2015
0001390399		LYSOL BRAND III	12.5	oz	06/23/2015
0001390400		LYSOL BRAND III	12.5	oz	06/23/2015
0001349618	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	2	l	06/23/2015
0001390459		LYSOL BRAND III	12.5	oz	06/23/2015
0001390440		LYSOL BRAND III	12.5	oz	06/23/2015
0001390439		LYSOL BRAND III	12.5	oz	06/23/2015
0001390438		LYSOL BRAND III	12.5	oz	06/23/2015
0001390437		LYSOL BRAND III	12.5	oz	06/23/2015
0001390436		LYSOL BRAND III	12.5	oz	06/23/2015
0001390430		LYSOL BRAND III	12.5	oz	06/23/2015
0001390458		LYSOL BRAND III	12.5	oz	06/23/2015
0001390443		LYSOL BRAND III	12.5	oz	06/23/2015
0001390460		LYSOL BRAND III	12.5	oz	06/23/2015
0001390461		LYSOL BRAND III	12.5	oz	06/23/2015
0001390462		LYSOL BRAND III	12.5	oz	06/23/2015
0001390463		LYSOL BRAND III	12.5	oz	06/23/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001390464		LYSOL BRAND III	12.5	oz	06/23/2015
0001390465		LYSOL BRAND III	12.5	oz	06/23/2015
0001390435		LYSOL BRAND III	12.5	oz	06/23/2015
0001390449		LYSOL BRAND III	12.5	oz	06/23/2015
0001390457		LYSOL BRAND III	12.5	oz	06/23/2015
0001390456		LYSOL BRAND III	12.5	oz	06/23/2015
0001390455		LYSOL BRAND III	12.5	oz	06/23/2015
0001390454		LYSOL BRAND III	12.5	oz	06/23/2015
0001390453		LYSOL BRAND III	12.5	oz	06/23/2015
0001390452		LYSOL BRAND III	12.5	oz	06/23/2015
0001390441		LYSOL BRAND III	12.5	oz	06/23/2015
0001390450		LYSOL BRAND III	12.5	oz	06/23/2015
0001390442		LYSOL BRAND III	12.5	oz	06/23/2015
0001390448		LYSOL BRAND III	12.5	oz	06/23/2015
0001390447		LYSOL BRAND III	12.5	oz	06/23/2015
0001390446		LYSOL BRAND III	12.5	oz	06/23/2015
0001390445		LYSOL BRAND III	12.5	oz	06/23/2015
0001390444		LYSOL BRAND III	12.5	oz	06/23/2015
0001390432		LYSOL BRAND III	12.5	oz	06/23/2015
0001390451		LYSOL BRAND III	12.5	oz	06/23/2015
0001349697		DOW CORNING SYLGARD 170 A & B SILICONE ELASTOMER KIT	0.9	kg	06/23/2015
0001390434		LYSOL BRAND III	12.5	oz	06/23/2015
0001349673		SDS SOLUTION 10%	0.25	l	06/23/2015
0001349691	141-78-6	ETHYL ACETATE	4	l	06/23/2015
0001349692	141-78-6	ETHYL ACETATE	4	l	06/23/2015
0001349693	64-19-7	ACETIC ACID	500	ml	06/23/2015
0001349694		DOW CORNING SYLGARD 170 A & B SILICONE ELASTOMER KIT	0.9	kg	06/23/2015
0001349671		SDS SOLUTION 10%	0.25	l	06/23/2015
0001349696		DOW CORNING SYLGARD 170 A & B SILICONE ELASTOMER KIT	0.9	kg	06/23/2015
0001349670	7704-34-9	SULFUR	500	gm	06/23/2015
0001349698		DOW CORNING SYLGARD 170 A & B SILICONE ELASTOMER KIT	0.9	kg	06/23/2015
0001349699	206978-73-6	N 6-Cyclohexyladenosine-5'-O- triphosphate (6-cHe-ATP)	2.9	mg	06/23/2015
0001349700	59587-50-7	?-Nicotinamide-N6-(2- aminoethyl)adenine dinucleotide . sodium salt	2.9	mg	06/23/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001349701		?-Nicotinamide-N6-(2-(6-[biotinyl]aminohexanoyl)aminoethyl)adenine dinucleotide . sodium salt	0.12	mg	06/23/2015
0001349702		?-Nicotinamide-N6-(2-(6-[biotinyl]aminohexanoyl)aminoethyl)adenine dinucleotide . sodium salt	0.12	mg	06/23/2015
0001349703	3658-80-8	Dimethyl trisulfide	5	gm	06/23/2015
0001349695		DOW CORNING SYLGARD 170 A & B SILICONE ELASTOMER KIT	0.9	kg	06/23/2015
0001390425		LYSOL BRAND III	12.5	oz	06/23/2015
0001349704	434-45-7	2,2,2-TRIFLUOROACETOPHENONE	100	gm	06/23/2015
0001349650	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	06/23/2015
0001390431		LYSOL BRAND III	12.5	oz	06/23/2015
0001349619	7647-01-0	HYDROCHLORIC ACID OPTIMA-34%	2	l	06/23/2015
0001390429		LYSOL BRAND III	12.5	oz	06/23/2015
0001390428		LYSOL BRAND III	12.5	oz	06/23/2015
0001349672		SDS SOLUTION 10%	0.25	l	06/23/2015
0001390426		LYSOL BRAND III	12.5	oz	06/23/2015
0001390433		LYSOL BRAND III	12.5	oz	06/23/2015
0001390424		LYSOL BRAND III	12.5	oz	06/23/2015
0001349665		MOBIL RARUS 829	5	gal	06/23/2015
0001349666	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	4	l	06/23/2015
0001349667	7647-01-0	HYDROCHLORIC ACID (HCL, HYDROGEN CHLORIDE)	4	l	06/23/2015
0001349668	110-54-3	N-HEXANE	1	l	06/23/2015
0001349669	79-01-6	TRICHLOROETHYLENE	1000	ml	06/23/2015
0001390427		LYSOL BRAND III	12.5	oz	06/23/2015
0001390418		LYSOL BRAND III	12.5	oz	06/23/2015
0001390470		LYSOL BRAND III	12.5	oz	06/23/2015
0001390471		LYSOL BRAND III	12.5	oz	06/23/2015
0001390472		LYSOL BRAND III	12.5	oz	06/23/2015
0001390473		LYSOL BRAND III	12.5	oz	06/23/2015
0000912973	1119-72-8	cis,cis-Muconic acid	2.5	gm	06/23/2015
0001390415		LYSOL BRAND III	12.5	oz	06/23/2015
0001349659	1076-38-6	4-HYDROXYCOUMARIN	100	gm	06/23/2015
0001390417		LYSOL BRAND III	12.5	oz	06/23/2015
0001390467		LYSOL BRAND III	12.5	oz	06/23/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001390419		LYSOL BRAND III	12.5	oz	06/23/2015
0001390420		LYSOL BRAND III	12.5	oz	06/23/2015
0001390421		LYSOL BRAND III	12.5	oz	06/23/2015
0001349648	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	06/23/2015
0001390422		LYSOL BRAND III	12.5	oz	06/23/2015
0000912945		PH 4.00 BUFFER	475	ml	06/23/2015
0001349660	13909-34-7	N-Benzylidenebenzenesulfonamide	5	gm	06/23/2015
0001390416		LYSOL BRAND III	12.5	oz	06/23/2015
0001382415	1310-73-2	Sodium Hydroxide 25%	3400	lb	06/23/2015
0001349662	67-68-5	DIMETHYL SULFOXIDE	100	ml	06/23/2015
0001349663	1193-18-6	3-METHYL-2-CYCLOHEXENE-1-ONE	100	gm	06/23/2015
0001349664		FORMULA 325	5	gal	06/23/2015
0001349687		Metalon JS-B25HV Nanosilver Ink	50	ml	06/23/2015
0001349688		Metalon ICI-002HV Nanocopper Ink	50	ml	06/23/2015
0001349689		ALEXA FLUOR 647 CARBOXYLIC ACID	25	ml	06/23/2015
0001349690		ALEXA FLUOR 647 CARBOXYLIC ACID	25	ml	06/23/2015
0001390469		LYSOL BRAND III	12.5	oz	06/23/2015
0001382414	1310-73-2	Sodium Hydroxide 25%	3400	lb	06/23/2015
0001390468		LYSOL BRAND III	12.5	oz	06/23/2015
0001382416	1310-73-2	Sodium Hydroxide 25%	3400	lb	06/23/2015
0001382417	1310-73-2	Sodium Hydroxide 25%	3400	lb	06/23/2015
0001382418	1310-73-2	Sodium Hydroxide 25%	3400	lb	06/23/2015
0001349661	13909-34-7	N-Benzylidenebenzenesulfonamide	5	gm	06/23/2015
0001349612	112-90-3	OLEYLAMINE	500	gm	06/23/2015
0001390466		LYSOL BRAND III	12.5	oz	06/23/2015
0001390423		LYSOL BRAND III	12.5	oz	06/23/2015
0001382413	1310-73-2	Sodium Hydroxide 25%	3400	lb	06/23/2015
0001349631	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	06/23/2015
0001349622	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	06/23/2015
0001349652	865-49-6	CHLOROFORM-D	500	ml	06/23/2015
0001349653	865-49-6	CHLOROFORM-D	500	ml	06/23/2015
0001349654	865-49-6	CHLOROFORM-D	500	ml	06/23/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001349655	100-26-5	2,5-Pyridinedicarboxylic acid	100	gm	06/23/2015
0001349649	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	06/23/2015
0001349632	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	06/23/2015
0001349647	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	06/23/2015
0001349630	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	06/23/2015
0001349629	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	06/23/2015
0001349628	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	06/23/2015
0001349627	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	06/23/2015
0001349625	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	06/23/2015
0001349623	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	06/23/2015
0001349633	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	06/23/2015
0001349637	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	06/23/2015
0001349643	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	06/23/2015
0001349658	122-57-6	4-PHENYL-3-BUTEN-2-ONE	250	gm	06/23/2015
0001349642	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	06/23/2015
0001349641	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	06/23/2015
0001349640	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	06/23/2015
0001349651	10025-94-2	YTTRIUM(III) CHLORIDE HEXAHYDRATE	50	gm	06/23/2015
0001349638	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	06/23/2015
0001349624	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	06/23/2015
0001349636	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	06/23/2015
0001349635	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	06/23/2015
0001349634	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	06/23/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001349644	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	06/23/2015
0001349645	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	06/23/2015
0001349646	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	06/23/2015
0001349639	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	06/23/2015
0001349620	60-29-7	ETHYL ETHER	4	l	06/23/2015
0001349621	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	06/23/2015
0001349657	21378-21-2	3-METHYL-2-CYCLOHEXEN-1-OL	1	gm	06/23/2015
0001349656	51805-45-9	TRIS(2-CARBOXYETHYL)PHOSPHINE, HYDROCHLORIDE	10	gm	06/23/2015
0001349626	811-97-2	AIRIT SUPER FRIENDLY DUSTER	11	oz	06/23/2015
0001349608	1310-73-2	SODIUM HYDROXIDE	20	l	06/23/2015
0001349606		SILVER PASTE PLUS	30	gm	06/23/2015
0001349607	1310-73-2	SODIUM HYDROXIDE	500	gm	06/23/2015
0001349609	1310-73-2	SODIUM HYDROXIDE	20	l	06/23/2015
0001349611	1310-73-2	SODIUM HYDROXIDE	20	l	06/23/2015
0001349613	993-13-5	METHYLPHOSPHONIC ACID	5	gm	06/23/2015
0001349614	85949-60-6	Yttrium(III) acetate tetrahydrate	25	gm	06/23/2015
0001349610	1310-73-2	SODIUM HYDROXIDE	20	l	06/23/2015
0001349765	67-64-1	ACETONE FOR HPLC	4	l	06/24/2015
0001349727	8042-47-5	MINERAL OIL	1	l	06/24/2015
0001349728	9002-18-0	AGAR	100	gm	06/24/2015
0001349759	67-56-1	METHANOL HPLC	4	l	06/24/2015
0001349760	67-56-1	METHANOL HPLC	4	l	06/24/2015
0001349761	67-56-1	METHANOL HPLC	4	l	06/24/2015
0001349762	67-56-1	METHANOL HPLC	4	l	06/24/2015
0001349764	67-64-1	ACETONE FOR HPLC	4	l	06/24/2015
0001311666		COOLUBE 2210	1	gal	06/24/2015
0001349766	67-64-1	ACETONE FOR HPLC	4	l	06/24/2015
0001382379		STYCAST 2850FT BLACK EPOXY RESIN	3	lb	06/24/2015
0001382378	112-57-2	9-CATALYST AMBER	4	oz	06/24/2015
0001311638		WD-40 NON-AEROSOL	20	oz	06/24/2015
0001311639		BRACLEEN	14	oz	06/24/2015
0001349763	67-64-1	ACETONE FOR HPLC	4	l	06/24/2015
0001349717		KOLOR KUT Modified Water Finding Paste	2.5	oz	06/24/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001311648		SAE 5W20 MOTOR OIL	1	qt	06/24/2015
0001349711		Parting Wax	24	oz	06/24/2015
0001311640		BRAKLEEN	14	oz	06/24/2015
0001349712		KOLOR KUT Modified Water Finding Paste	2.5	oz	06/24/2015
0001349713		KOLOR KUT Modified Water Finding Paste	2.5	oz	06/24/2015
0001349714		KOLOR KUT Modified Water Finding Paste	2.5	oz	06/24/2015
0001349726	67605-85-0	N-butyryl-L-Homoserine lactone	10	mg	06/24/2015
0001349716		KOLOR KUT Modified Water Finding Paste	2.5	oz	06/24/2015
0001349725	168982-69-2	N-(3-Oxododecanoyl)-L-homoserine lactone	10	mg	06/24/2015
0001349718		Tap Magic EP-Xtra Cutting Fluid	4	oz	06/24/2015
0001349719		PROTAP CUTTING FLUID	4	oz	06/24/2015
0001349720	10361-37-2	BARIUM CHLORIDE, ANHYDROUS	100	gm	06/24/2015
0001349721	10476-85-4	STRONTIUM CHLORIDE, HEPTAHYDRATE	50	gm	06/24/2015
0001349722	10025-90-8	Praseodymium (III) chloride heptahydrate	100	gm	06/24/2015
0001349723		PELCO COLLOIDAL SILVER, 30G	15	gm	06/24/2015
0001349724		SEM GOLD SILVER EXTENDER	25	ml	06/24/2015
0001349715		KOLOR KUT Modified Water Finding Paste	2.5	oz	06/24/2015
0001390502		CLOROX	121	oz	06/24/2015
0001311646		DIESEL ENGINE OIL SAE 15W-40	1	gal	06/24/2015
0001390517		PVC CEMENT	1	qt	06/24/2015
0001390516		PVC CEMENT	1	qt	06/24/2015
0001390515		PVC CEMENT	1	qt	06/24/2015
0001390512		CLOROX	121	oz	06/24/2015
0001390511		CLOROX	121	oz	06/24/2015
0001390510		CLOROX	121	oz	06/24/2015
0001390509		CLOROX	121	oz	06/24/2015
0001390508		CLOROX	121	oz	06/24/2015
0001390507		CLOROX	121	oz	06/24/2015
0001390506		CLOROX	121	oz	06/24/2015
0001390505		CLOROX	121	oz	06/24/2015
0001390519		PVC CEMENT	1	qt	06/24/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001390503		CLOROX	121	oz	06/24/2015
0001390520		PVC CEMENT	1	qt	06/24/2015
0001390501		CLOROX	121	oz	06/24/2015
0001390500		CLOROX	121	oz	06/24/2015
0001390499		CLOROX	121	oz	06/24/2015
0001390498		CLOROX	121	oz	06/24/2015
0001390497		CLOROX	121	oz	06/24/2015
0001390496		CLOROX	121	oz	06/24/2015
0001390495		CLOROX	121	oz	06/24/2015
0001390494		CLOROX	121	oz	06/24/2015
0001390493		CLOROX	121	oz	06/24/2015
0001390492		CLOROX	121	oz	06/24/2015
0001390491		CLOROX	121	oz	06/24/2015
0001390490		CLOROX	121	oz	06/24/2015
0001390504		CLOROX	121	oz	06/24/2015
0001311657		15w40 motor oil	1	qt	06/24/2015
0001311642		BRAKE FLUID DOT 3	12	oz	06/24/2015
0001311643		Lucas SAE 85W-140 Gear Oil	32	qt	06/24/2015
0001311644		Lucas SAE 85W-140 Gear Oil	32	qt	06/24/2015
0001311645		ANTIFREEZE/COOLANT	1	gal	06/24/2015
0001349710		PVA Release Film	1	gal	06/24/2015
0001311647		SAE 5W20 MOTOR OIL	1	qt	06/24/2015
0001311649		SAE 5W20 MOTOR OIL	1	qt	06/24/2015
0001311650		SAE 5W20 MOTOR OIL	1	qt	06/24/2015
0001311651		SAE 5W20 MOTOR OIL	1	qt	06/24/2015
0001311652		SAE 5W20 MOTOR OIL	1	qt	06/24/2015
0001311653		SAE 5W20 MOTOR OIL	1	qt	06/24/2015
0001311654		15w40 motor oil	1	qt	06/24/2015
0001390518		PVC CEMENT	1	qt	06/24/2015
0001311656		15w40 motor oil	1	qt	06/24/2015
0001311641		BRACLEEN	14	oz	06/24/2015
0001349709		System 2000 Epoxy Resin	1	qt	06/24/2015
0001349708		System 2000 Epoxy Resin	1	gal	06/24/2015
0001349707	460-73-1	6 Lb. Polyurethane Mix and Pour Foam	6	lb	06/24/2015
0001349706		2 Lb. Polyurethane Mix and Pour Foam	2	lb	06/24/2015
0001390522		PVC CEMENT	1	qt	06/24/2015
0001390521		PVC CEMENT	1	qt	06/24/2015
0001362925		SUVA 410A Refrigerant	30	lb	06/24/2015
0001362924		SUVA 410A Refrigerant	30	lb	06/24/2015
0001349770	110-54-3	HEXANE	4	l	06/24/2015
0001349769	110-54-3	HEXANE	4	l	06/24/2015
0001349768	110-54-3	HEXANE	4	l	06/24/2015
0001349767	110-54-3	HEXANE	4	l	06/24/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001311655		15w40 motor oil	1	qt	06/24/2015
0001390485		CLOROX	121	oz	06/24/2015
0001349685	7722-84-1	HYDROGEN PEROXIDE, 30% SOLUTION	500	ml	06/24/2015
0001390489		CLOROX	121	oz	06/24/2015
0001390488		CLOROX	121	oz	06/24/2015
0001390486		CLOROX	121	oz	06/24/2015
0001390484		CLOROX	121	oz	06/24/2015
0001390475		CLOROX	121	oz	06/24/2015
0001390476		CLOROX	121	oz	06/24/2015
0001390477		CLOROX	121	oz	06/24/2015
0001390478		CLOROX	121	oz	06/24/2015
0001390479		CLOROX	121	oz	06/24/2015
0001390480		CLOROX	121	oz	06/24/2015
0001390481		CLOROX	121	oz	06/24/2015
0001390482		CLOROX	121	oz	06/24/2015
0001390483		CLOROX	121	oz	06/24/2015
0001390487		CLOROX	121	oz	06/24/2015
0001349675	71-43-2	BENZENE	25	gm	06/24/2015
0001349686	7722-84-1	HYDROGEN PEROXIDE, 30% SOLUTION	500	ml	06/24/2015
0001349684	7722-84-1	HYDROGEN PEROXIDE, 30% SOLUTION	500	ml	06/24/2015
0001349683	7722-84-1	HYDROGEN PEROXIDE, 30% SOLUTION	500	ml	06/24/2015
0001349682	7722-84-1	HYDROGEN PEROXIDE, 30% SOLUTION	500	ml	06/24/2015
0001349681	7722-84-1	HYDROGEN PEROXIDE, 30% SOLUTION	500	ml	06/24/2015
0001349680	7697-37-2	NITRIC ACID OPTIMA	1	l	06/24/2015
0001349679	56-81-5	GLYCEROL	500	ml	06/24/2015
0001349678	62-56-6	THIOUREA	100	gm	06/24/2015
0001390514		PVC CEMENT	1	qt	06/24/2015
0001349676	71-43-2	BENZENE	25	gm	06/24/2015
0001349674	1186-52-3	ACETIC ACID D4	25	gm	06/24/2015
0001311665		DX-111/M ATF	1	qt	06/24/2015
0001311664		DX-111/M ATF	1	qt	06/24/2015
0001311663		DX-111/M ATF	1	qt	06/24/2015
0001311662		DX-111/M ATF	1	qt	06/24/2015
0001311661		DX-111/M ATF	1	qt	06/24/2015
0001311660		15w40 motor oil	1	qt	06/24/2015
0001311659		15w40 motor oil	1	qt	06/24/2015
0001311658		15w40 motor oil	1	qt	06/24/2015
0001349677	10102-40-6	SODIUM MOLYBDATE, DIHYDRATE	100	gm	06/24/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001349785		HIGH PURITY DI-ELECTRIC SILICONE GEL	2	pt	06/25/2015
0001349735	13477-89-9	NEODYMIUM(III) CHLORIDE HEXAHYDRATE	50	gm	06/25/2015
0001390513		PERMACOOL	5	gal	06/25/2015
0001382784	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	06/25/2015
0001382422	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	06/25/2015
0001382420	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	06/25/2015
0001382419	7732-18-5	Hydrochloric Acid 30-31%	3000	lb	06/25/2015
0001349782		HIGH PURITY DI-ELECTRIC SILICONE GEL	2	pt	06/25/2015
0001349736		MemGold2 Membrane	960	ml	06/25/2015
0001349784		HIGH PURITY DI-ELECTRIC SILICONE GEL	2	pt	06/25/2015
0001382783	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	06/25/2015
0001349741		SOLDER PASTE	10	gm	06/25/2015
0001349742		SOLDER PASTE	10	gm	06/25/2015
0001349789		FORMULA 2011	55	gal	06/25/2015
0001349790		FORMULA 2011	55	gal	06/25/2015
0001349791		FORMULA 2011	55	gal	06/25/2015
0001349792		FORMULA 2011	55	gal	06/25/2015
0001349781		HIGH PURITY DI-ELECTRIC SILICONE GEL	2	pt	06/25/2015
0001349783		HIGH PURITY DI-ELECTRIC SILICONE GEL	2	pt	06/25/2015
0001349779		HIGH PURITY DI-ELECTRIC SILICONE GEL	2	pt	06/25/2015
0001349773		HIGH VACUUM GREASE	5.3	oz	06/25/2015
0001349774	4731-53-7	TRIOCTYLPHOSPHINE	100	ml	06/25/2015
0001349775		HIGH PURITY DI-ELECTRIC SILICONE GEL	2	pt	06/25/2015
0001349776		HIGH PURITY DI-ELECTRIC SILICONE GEL	2	pt	06/25/2015
0001349777		HIGH PURITY DI-ELECTRIC SILICONE GEL	2	pt	06/25/2015
0001349778		HIGH PURITY DI-ELECTRIC SILICONE GEL	2	pt	06/25/2015
0001349780		HIGH PURITY DI-ELECTRIC SILICONE GEL	2	pt	06/25/2015
0001382421	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	06/25/2015
0001349772		HIGH VACUUM GREASE	5.3	oz	06/25/2015
0001349793	12064-62-9	GADOLINIUM OXIDE	1	kg	06/26/2015
0001349794	12064-62-9	GADOLINIUM OXIDE	1	kg	06/26/2015
0001349795	82494-09-5	n-DECYL-?-D-MALTOPYRANOSIDE	25	gm	06/26/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001349796	82494-09-5	n-DECYL-?-D-MALTOPYRANOSIDE	25	gm	06/26/2015
0001382785	1310-73-2	Sodium Hydroxide 25%	3400	lb	06/26/2015
0001349758	75-09-2	DICHLOROMETHANE	2.5	l	06/26/2015
0001382797	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	06/26/2015
0001349797		1-Step Ultra TMB-ELISA Substrate Solution	250	ml	06/26/2015
0001382798	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	06/26/2015
0001382796	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	06/26/2015
0001349757	101-02-0	TRIPHENYL PHOSPHITE	2.5	l	06/26/2015
0001349756	22560-16-3	SUPER-HYDRIDE (LITHIUM TRIETHYLBOROHYDRIDE)	100	ml	06/26/2015
0001349755	22560-16-3	SUPER-HYDRIDE (LITHIUM TRIETHYLBOROHYDRIDE)	100	ml	06/26/2015
0001382795	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	06/26/2015
0001382794	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	06/26/2015
0001382793		NALCO 7408 CHLORINE SCAVENGER SOLUTION	2209	lb	06/26/2015
0001382792	7732-18-5	Hydrochloric Acid 30-31%	3000	lb	06/26/2015
0001382791	7732-18-5	Hydrochloric Acid 30-31%	3000	lb	06/26/2015
0001349798	540-63-6	1,2-ETHANEDITHIOL	100	ml	06/26/2015
0001382786	1310-73-2	Sodium Hydroxide 25%	3400	lb	06/26/2015
0001349799	75-64-9	TERT-BUTYLAMINE	1	l	06/26/2015
0001349738		N6-Methyl-ATP	150	ml	06/26/2015
0001349753	22560-16-3	SUPER-HYDRIDE (LITHIUM TRIETHYLBOROHYDRIDE)	100	ml	06/26/2015
0000912963	66108-95-0	NYCODENZ	100	gm	06/26/2015
0001349751	56-12-2	GAMA-AMINO-N-BUTYRIC ACID	10	gm	06/26/2015
0000912964	66108-95-0	NYCODENZ	100	gm	06/26/2015
0001349750		SOLDER PASTE	10	gm	06/26/2015
0001349749		SOLDER PASTE	10	gm	06/26/2015
0001349748		SOLDER PASTE	10	gm	06/26/2015
0001349747		SOLDER PASTE	10	gm	06/26/2015
0001349746		SOLDER PASTE	10	gm	06/26/2015
0001349745		SOLDER PASTE	10	gm	06/26/2015
0001349744		SOLDER PASTE	10	gm	06/26/2015
0001349743		SOLDER PASTE	10	gm	06/26/2015
0001349752	65427-54-5	DL-2,4-Diaminobutyric acid dihydrochloride	1	gm	06/26/2015
0001349739	2044-56-6	LITHIUM DODECYL SULFATE	25	gm	06/26/2015
0001349754	22560-16-3	SUPER-HYDRIDE (LITHIUM TRIETHYLBOROHYDRIDE)	100	ml	06/26/2015
0001349771		pUC57 plasmid DNA	4	ugm	06/26/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001349788		2-(pyridin-2-yl)-N-((tetrahydrofuran-2-yl)methyl)quinazolin-4-amine	2	gm	06/26/2015
0001349787		2-(pyridin-2-yl)-N-((tetrahydrofuran-2-yl)methyl)quinazolin-4-amine	2	gm	06/26/2015
0001349786		2-(pyridin-2-yl)-N-((tetrahydrofuran-2-yl)methyl)quinazolin-4-amine	2	gm	06/26/2015
0001382790	1310-73-2	Sodium Hydroxide 25%	3400	lb	06/26/2015
0001382789	1310-73-2	Sodium Hydroxide 25%	3400	lb	06/26/2015
0001382788	1310-73-2	Sodium Hydroxide 25%	3400	lb	06/26/2015
0000912958	9012-36-6	AGAROSE	5	gm	06/26/2015
0000912959	15708-41-5	EDTA, SODIUM FERRIC SALT	100	gm	06/26/2015
0000912960		ISP MEDIUM 2 YEAST MALT EXTRACT AGAR	500	gm	06/26/2015
0000912961		YM BROTH	500	gm	06/26/2015
0001382787	1310-73-2	Sodium Hydroxide 25%	3400	lb	06/26/2015
0001349740	7447-41-8	LITHIUM CHLORIDE	100	gm	06/26/2015
0001362989		P-10 (90% ARGON 10% METHANE)	220	cf	06/29/2015
0001363041	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/29/2015
0001362943	7440-59-7	HELIUM	220	cf	06/29/2015
0001362997		P-10 (90% ARGON 10% METHANE)	220	cf	06/29/2015
0001362996		P-10 (90% ARGON 10% METHANE)	220	cf	06/29/2015
0001362995		P-10 (90% ARGON 10% METHANE)	220	cf	06/29/2015
0001362994		P-10 (90% ARGON 10% METHANE)	220	cf	06/29/2015
0001362993		P-10 (90% ARGON 10% METHANE)	220	cf	06/29/2015
0001362992		P-10 (90% ARGON 10% METHANE)	220	cf	06/29/2015
0001362950	7440-59-7	HELIUM	220	cf	06/29/2015
0001362990		P-10 (90% ARGON 10% METHANE)	220	cf	06/29/2015
0001362949	7440-59-7	HELIUM	220	cf	06/29/2015
0001362988		P-10 (90% ARGON 10% METHANE)	220	cf	06/29/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001362987		P-10 (90% ARGON 10% METHANE)	220	cf	06/29/2015
0001362986		P-10 (90% ARGON 10% METHANE)	220	cf	06/29/2015
0001362944	7440-59-7	HELIUM	220	cf	06/29/2015
0001362945	7440-59-7	HELIUM	220	cf	06/29/2015
0001362946	7440-59-7	HELIUM	220	cf	06/29/2015
0001362947	7440-59-7	HELIUM	220	cf	06/29/2015
0001362948	7440-59-7	HELIUM	220	cf	06/29/2015
0001362991		P-10 (90% ARGON 10% METHANE)	220	cf	06/29/2015
0001363018	7440-37-1	ARGON, COMPRESSED	220	cf	06/29/2015
0001363043	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/29/2015
0001363006	7440-37-1	ARGON, COMPRESSED	220	cf	06/29/2015
0001363007	7440-37-1	ARGON, COMPRESSED	220	cf	06/29/2015
0001363008	7440-37-1	ARGON, COMPRESSED	220	cf	06/29/2015
0001363009	7440-37-1	ARGON, COMPRESSED	220	cf	06/29/2015
0001363010	7440-37-1	ARGON, COMPRESSED	220	cf	06/29/2015
0001363011	7440-37-1	ARGON, COMPRESSED	220	cf	06/29/2015
0001363012	7440-37-1	ARGON, COMPRESSED	220	cf	06/29/2015
0001363013	7440-37-1	ARGON, COMPRESSED	220	cf	06/29/2015
0001363014	7440-37-1	ARGON, COMPRESSED	220	cf	06/29/2015
0001363015	7440-37-1	ARGON, COMPRESSED	220	cf	06/29/2015
0001363004	7782-44-7	OXYGEN, COMPRESSED GAS	20	cf	06/29/2015
0001363017	7440-37-1	ARGON, COMPRESSED	220	cf	06/29/2015
0001363003		P-10 (90% ARGON 10% METHANE)	220	cf	06/29/2015
0001363019	7440-37-1	ARGON, COMPRESSED	220	cf	06/29/2015
0001363020	7782-44-7	OXYGEN, COMPRESSED GAS	220	cf	06/29/2015
0001363021	7782-44-7	OXYGEN, COMPRESSED GAS	220	cf	06/29/2015
0001363022	7782-44-7	OXYGEN, COMPRESSED GAS	220	cf	06/29/2015
0001363023	7782-44-7	OXYGEN, COMPRESSED GAS	220	cf	06/29/2015
0001363024	7782-44-7	OXYGEN, COMPRESSED GAS	220	cf	06/29/2015
0001363025	7782-44-7	OXYGEN, COMPRESSED GAS	220	cf	06/29/2015
0001363031	7782-44-7	OXYGEN, COMPRESSED GAS	220	cf	06/29/2015
0001363030	7782-44-7	OXYGEN, COMPRESSED GAS	220	cf	06/29/2015
0001363029	7782-44-7	OXYGEN, COMPRESSED GAS	220	cf	06/29/2015
0001363028	7782-44-7	OXYGEN, COMPRESSED GAS	220	cf	06/29/2015
0001363027	7782-44-7	OXYGEN, COMPRESSED GAS	220	cf	06/29/2015
0001363016	7440-37-1	ARGON, COMPRESSED	220	cf	06/29/2015
0001363039	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/29/2015
0001363052	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/29/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001363051	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/29/2015
0001363050	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/29/2015
0001363049	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/29/2015
0001363048	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/29/2015
0001363047	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/29/2015
0001363046	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/29/2015
0001363045	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/29/2015
0001363044	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/29/2015
0001362951	7440-59-7	HELIUM	220	cf	06/29/2015
0001363042	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/29/2015
0001363005	7440-37-1	ARGON, COMPRESSED	220	cf	06/29/2015
0001363040	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/29/2015
0001363053	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/29/2015
0001363038	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/29/2015
0001363037	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/29/2015
0001363036	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/29/2015
0001363035	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/29/2015
0001363034	7782-44-7	OXYGEN, COMPRESSED GAS	220	cf	06/29/2015
0001363033	7782-44-7	OXYGEN, COMPRESSED GAS	220	cf	06/29/2015
0001363032	7782-44-7	OXYGEN, COMPRESSED GAS	220	cf	06/29/2015
0001362998		P-10 (90% ARGON 10% METHANE)	220	cf	06/29/2015
0001362999		P-10 (90% ARGON 10% METHANE)	220	cf	06/29/2015
0001363000		P-10 (90% ARGON 10% METHANE)	220	cf	06/29/2015
0001363001		P-10 (90% ARGON 10% METHANE)	220	cf	06/29/2015
0001363002		P-10 (90% ARGON 10% METHANE)	220	cf	06/29/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001362978		P-10 (90% ARGON 10% METHANE)	220	cf	06/29/2015
0001382803	1310-73-2	Sodium Hydroxide 25%	3400	lb	06/29/2015
0001362980		P-10 (90% ARGON 10% METHANE)	220	cf	06/29/2015
0001362981		P-10 (90% ARGON 10% METHANE)	220	cf	06/29/2015
0001362982		P-10 (90% ARGON 10% METHANE)	220	cf	06/29/2015
0001362983		P-10 (90% ARGON 10% METHANE)	220	cf	06/29/2015
0001362984		P-10 (90% ARGON 10% METHANE)	220	cf	06/29/2015
0001362985		P-10 (90% ARGON 10% METHANE)	220	cf	06/29/2015
0001363026	7782-44-7	OXYGEN, COMPRESSED GAS	220	cf	06/29/2015
0001311667		KUBOTA Hydraulic 46 1/5 GA	5	gal	06/29/2015
0001311668		KUBOTA Hydraulic 46 1/5 GA	5	gal	06/29/2015
0001311669		KUBOTA Hydraulic 46 1/5 GA	5	gal	06/29/2015
0001311670		KUBOTA Hydraulic 46 1/5 GA	5	gal	06/29/2015
0001362979		P-10 (90% ARGON 10% METHANE)	220	cf	06/29/2015
0001382802	1310-73-2	Sodium Hydroxide 25%	3400	lb	06/29/2015
0001363090	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	06/29/2015
0001382804	1310-73-2	Sodium Hydroxide 25%	3400	lb	06/29/2015
0001382805	1310-73-2	Sodium Hydroxide 25%	3400	lb	06/29/2015
0001363088	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	06/29/2015
0001363086	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	06/29/2015
0001363091	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	06/29/2015
0001363084	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100	l	06/29/2015

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Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001363085	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100 l		06/29/2015
0001363089	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100 l		06/29/2015
0001362952	7440-59-7	HELIUM	220 cf		06/29/2015
0001363092	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100 l		06/29/2015
0001362976		P-10 (90% ARGON 10% METHANE)	220 cf		06/29/2015
0001363093	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100 l		06/29/2015
0001382801	1310-73-2	Sodium Hydroxide 25%	3400 lb		06/29/2015
0001362954	74-98-6	PROPANE	11 gal		06/29/2015
0001363087	7440-59-7	HELIUM, REFRIGERATED LIQUID (CRYOGENIC LIQUID)	100 l		06/29/2015
0001349847		Transparent Resin Dye - Blue	1 oz		06/29/2015
0001362953	74-98-6	PROPANE	11 gal		06/29/2015
0001362955	74-98-6	PROPANE	11 gal		06/29/2015
0001362956	74-98-6	PROPANE	11 gal		06/29/2015
0001362957	74-98-6	PROPANE	11 gal		06/29/2015
0001362958	74-98-6	PROPANE	11 gal		06/29/2015
0001362959		94% ARGON/6% HYDROGEN	220 cf		06/29/2015
0001362960		94% ARGON/6% HYDROGEN	220 cf		06/29/2015
0001362961		94% ARGON/6% HYDROGEN	220 cf		06/29/2015
0001362962		94% ARGON/6% HYDROGEN	220 cf		06/29/2015
0001362963		94% ARGON/6% HYDROGEN	220 cf		06/29/2015
0001362964		94% ARGON/6% HYDROGEN	220 cf		06/29/2015
0001362973		94% ARGON/6% HYDROGEN	220 cf		06/29/2015
0001382799	7705-08-0	FERRIC CHLORIDE	3400 lb		06/29/2015
0001382800	1310-73-2	Sodium Hydroxide 25%	3400 lb		06/29/2015
0001362965		94% ARGON/6% HYDROGEN	220 cf		06/29/2015
0001362974		P-10 (90% ARGON 10% METHANE)	220 cf		06/29/2015
0001362977		P-10 (90% ARGON 10% METHANE)	220 cf		06/29/2015
0001362972		94% ARGON/6% HYDROGEN	220 cf		06/29/2015
0001362971		94% ARGON/6% HYDROGEN	220 cf		06/29/2015
0001362970		94% ARGON/6% HYDROGEN	220 cf		06/29/2015
0001362969		94% ARGON/6% HYDROGEN	220 cf		06/29/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001362968		94% ARGON/6% HYDROGEN	220	cf	06/29/2015
0001362967		94% ARGON/6% HYDROGEN	220	cf	06/29/2015
0001362966		94% ARGON/6% HYDROGEN	220	cf	06/29/2015
0001362975		P-10 (90% ARGON 10% METHANE)	220	cf	06/29/2015
0001349844		Transparent Resin Dye - Amber	1	oz	06/29/2015
0001363066	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/29/2015
0001349802	7697-37-2	NITRIC ACID OPTIMA	500	ml	06/29/2015
0001349801	7697-37-2	NITRIC ACID OPTIMA	500	ml	06/29/2015
0001349833	131890-26-1	Bis[2-(diisopropylphosphino)ethyl]amine, 10% w/w soln. in THF	25	gm	06/29/2015
0001349840	109-99-9	TETRAHYDROFURAN	1	l	06/29/2015
0001349839	109-99-9	TETRAHYDROFURAN	1	l	06/29/2015
0001349838	60-29-7	ETHYL ETHER ANHYDROUS	4	l	06/29/2015
0001149394	1185-53-1	TRIS-HCL	1	l	06/29/2015
0001349837	60-29-7	ETHYL ETHER ANHYDROUS	4	l	06/29/2015
0001349841	462-06-6	FLUOROBENZENE	500	gm	06/29/2015
0001149393		LURIA BROTH BASE (MILLER'S LB BROTH BASE)	2	kg	06/29/2015
0001349842	462-06-6	FLUOROBENZENE	500	gm	06/29/2015
0001349836	16872-11-0	TETRAFLUOROBORIC ACID LIQUID 48%	25	gm	06/29/2015
0001349835	2037-26-5	TOLUENE-D8	50	gm	06/29/2015
0001349846		Transparent Resin Dye - Yellow	1	oz	06/29/2015
0001149388	9002-18-0	AGAR	500	gm	06/29/2015
0001349845		Transparent Resin Dye - Green	1	oz	06/29/2015
0001349832	131890-26-1	Bis[2-(diisopropylphosphino)ethyl]amine, 10% w/w soln. in THF	25	gm	06/29/2015
0001349831	79-10-7	ACRYLIC ACID	100	gm	06/29/2015
0001349809	557-34-6	ZINC ACETATE	100	gm	06/29/2015
0001349808	629-82-3	OCTYL ETHER	100	gm	06/29/2015
0001349807	629-82-3	OCTYL ETHER	100	gm	06/29/2015
0001349806	629-82-3	OCTYL ETHER	100	gm	06/29/2015
0001349805	1693-74-9	TETRAHYDROFURAN-D8	10	gm	06/29/2015
0001349804	1693-74-9	TETRAHYDROFURAN-D8	10	gm	06/29/2015
0001349803	1277-43-6	BIS(CYCLOPENTADIENYL) COBALT	2	gm	06/29/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0000912943	27565-41-9	DITHIOTHREITOL (CLELAND'S REAGENT, DTT, THREO-1,4-DIMERCAPT	10	gm	06/29/2015
0001149397	60-54-8	TETRACYCLINE	5	gm	06/29/2015
0001349834	67-63-0	2-PROPANOL	2500	ml	06/29/2015
0001363070		AIR, COMPRESSED	220	cf	06/29/2015
0001363054	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/29/2015
0001363055	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/29/2015
0001363056	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/29/2015
0001363057	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/29/2015
0001363058	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/29/2015
0001363059	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/29/2015
0001363060	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/29/2015
0001363061	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/29/2015
0001363062	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/29/2015
0001363063	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/29/2015
0001363064	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/29/2015
0001363065	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/29/2015
0001363068	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/29/2015
0001363069		AIR, COMPRESSED	220	cf	06/29/2015
0001349800	1313-27-5	MOLYBDENUM TRIOXIDE	500	gm	06/29/2015
0001363071		AIR, COMPRESSED	220	cf	06/29/2015
0001363072		AIR, COMPRESSED	220	cf	06/29/2015
0001363073		AIR, COMPRESSED	220	cf	06/29/2015
0001363074		AIR, COMPRESSED	220	cf	06/29/2015
0001363075		AIR, COMPRESSED	220	cf	06/29/2015
0001363076		AIR, COMPRESSED	220	cf	06/29/2015
0001363077		2.9% Hydrogen/Bal. Argon	220	cf	06/29/2015
0001363078	7727-37-9	NITROGEN, COMPRESSED GAS	100	l	06/29/2015
0000912968		BUTANE FUEL	26.5	gm	06/29/2015
0000912969		BUTANE FUEL	1.5	oz	06/29/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0000912970		BUTANE FUEL	1.2	oz	06/29/2015
0000912962		Tryptone Soya Broth	500	gm	06/29/2015
0000912956	1343-98-2	DESSICANT SILICA GEL	500	gm	06/29/2015
0001363067	7727-37-9	NITROGEN, COMPRESSED GAS	220	cf	06/29/2015
0001349879		IF-10a GN Base	125	ml	06/30/2015
0001349880		Redox Dye Mix A	20	ml	06/30/2015
0001349881		Redox Dye Mix D	20	ml	06/30/2015
0001349882		Redox Dye Mix H	20	ml	06/30/2015
0001382806	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	06/30/2015
0001382807	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	06/30/2015
0001382808	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	06/30/2015
0001382809	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	06/30/2015
0001382811	7732-18-5	Hydrochloric Acid 30-31%	3000	lb	06/30/2015
0001349873		IF-0a GN/GP Base	125	ml	06/30/2015
0001382812	7732-18-5	Hydrochloric Acid 30-31%	3000	lb	06/30/2015
0001382810	7786-30-3	MAGNESIUM CHLORIDE	3300	lb	06/30/2015
0001349878		IF-10a GN Base	125	ml	06/30/2015
0001349877		AN Inoculating Fluid	125	ml	06/30/2015
0001349876		AN Inoculating Fluid	125	ml	06/30/2015
0001349868		IF-A	240	ml	06/30/2015
0001349874		AN Inoculating Fluid	125	ml	06/30/2015
0001349872		IF-0a GN/GP Base	125	ml	06/30/2015
0001349871		IF-C	240	ml	06/30/2015
0001349870		IF-C	240	ml	06/30/2015
0001349869		IF-A	240	ml	06/30/2015
0001349903	7732-18-5	Hydrochloric Acid 30-31%	2.5	l	06/30/2015
0001349867	7440-44-0	CARBON	10	gm	06/30/2015
0001349875		AN Inoculating Fluid	125	ml	06/30/2015
0001349915	1076-43-3	BENZENE-D6	50	gm	06/30/2015
0001349825	67-56-1	METHANOL OPTIMA	1	l	06/30/2015
0001349826	67-64-1	ACETONE OPTIMA	1	l	06/30/2015
0001349827		PROTEASE INHIBITOR COCKTAIL	25	ml	06/30/2015
0001349828		PROTEASE INHIBITOR COCKTAIL	25	ml	06/30/2015
0001349829	13494-80-9	TELLURIUM POWDER	25	gm	06/30/2015
0001349830	3443-45-6	1-PYRENEBUTYRIC ACID	1	gm	06/30/2015
0001349861	67-56-1	METHANOL ANHYDROUS	4	l	06/30/2015
0001349862	1493-13-6	TRIFLUOROMETHANESULONIC ACID	10	gm	06/30/2015
0001349864	8032-32-4	PETROLEUM ETHER ACS CERTIFIED	1	l	06/30/2015
0001349865		IMMERSION OIL	16	oz	06/30/2015

Chemical Usage March-June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001349917	8042-47-5	Citation 280 White Mineral Oil	55	gal	06/30/2015
0001349916	1076-43-3	BENZENE-D6	50	gm	06/30/2015
0001349904	7732-18-5	Hydrochloric Acid 30-31%	2.5	l	06/30/2015
0001349914	7697-37-2	NITRIC ACID	2.5	l	06/30/2015
0001349913	7697-37-2	NITRIC ACID	2.5	l	06/30/2015
0001349912	7697-37-2	NITRIC ACID	2.5	l	06/30/2015
0001349911	7697-37-2	NITRIC ACID	2.5	l	06/30/2015
0001349910	7697-37-2	NITRIC ACID	2.5	l	06/30/2015
0001349909	7697-37-2	NITRIC ACID	2.5	l	06/30/2015
0001349908	7732-18-5	Hydrochloric Acid 30-31%	2.5	l	06/30/2015
0001349907	7732-18-5	Hydrochloric Acid 30-31%	2.5	l	06/30/2015
0001349906	7732-18-5	Hydrochloric Acid 30-31%	2.5	l	06/30/2015
0001349905	7732-18-5	Hydrochloric Acid 30-31%	2.5	l	06/30/2015
0001349918	8042-47-5	Citation 280 White Mineral Oil	55	gal	06/30/2015

ATTACHMENT A907.B.a.

Chemical Usage

CMRR-CHEM Chemical Purchases

(From ChemLog)

RLUOB-CHEM Chemical Purchases March - June 2015

Barcode	CAS #	Chemical Name	Container Size	Unit of Measure	Date
0001341334		VACUUM PUMP OIL	1	l	05/21/2015
0001327475		ERBIUM STANDARD	50	ml	06/08/2015
0001327474		DYSPROSIUM STANDARD	50	ml	06/08/2015
0001327476		EUROPIUM STANDARD	50	ml	06/08/2015
0001327477		GADOLINIUM STANDARD	50	ml	06/08/2015
0001327478		LUTETIUM STANDARD	50	ml	06/08/2015
0001327479		YTTERBIUM STANDARD	50	ml	06/08/2015
0001327591		VACUUM PUMP OIL	1	l	06/08/2015
0001327592		VACUUM PUMP OIL	1	l	06/08/2015
0001327593		VACUUM PUMP OIL	1	l	06/08/2015
0001327473		CERIUM STANDARD	50	ml	06/08/2015
0001327698		VACUUM PUMP OIL	1	l	06/11/2015
0001327705		VACUUM PUMP OIL	1	l	06/11/2015
0001327704		VACUUM PUMP OIL	1	l	06/11/2015
0001327703		VACUUM PUMP OIL	1	l	06/11/2015
0001327702		VACUUM PUMP OIL	1	l	06/11/2015
0001327701		VACUUM PUMP OIL	1	l	06/11/2015
0001327700		VACUUM PUMP OIL	1	l	06/11/2015
0001327699		VACUUM PUMP OIL	1	l	06/11/2015

2015 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	0	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						
		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	0	0	0	0	0						
HAPs Monthly Total		0	0	0	0	0	0						

2015 CMRR-RLUOB HAPS 12-Month Rolling Total (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	10.48	10.48	10.48	10.48	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						
		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	0	0	0	0	0						
TAPs 12 Month Rolling Total		10.48	10.48	10.48	10.48	0	0						

ATTACHMENT A907.B.b.

Chemical Usage

CMRR-CHEM Chemical Quantity Total

2015 CMRR-RLUOB TAPs Monthly Emission Rates (lb)

	January	February	March	April	May	June	July	August	September	October	November	December
Total TAPs	0	0	0	0	0	0						
TAPs 12 Month Rolling Total	19.47	19.47	19.47	19.47	10.59	10.59						

2015 CMRR-RLUOB VOC Monthly Emission Rates (lb)

	January	February	March	April	May	June	July	August	September	October	November	December
Total VOC	0	0	0	0	0	0						
VOC 12 Month Rolling Total	0.82	0.82	0.82	0.82	0.82	0						

ATTACHMENT A1007.A.a.

Degreaser

Degreaser Solvent Usage
(From Tracking Database)

Degreaser Solvent Usage
March – June, 2015

Emission Unit	TA/Building	Type of Degreaser	Solvent
TA-55-DG-1	TA-55	Cold Batch	Trichloroethylene

Date Measured	Initial Solvent Level (inches)	Volume Added (liters)	Level Added (inches)	Volume Removed (liters)	Level Removed (Inches)
Mar-31-2015	5.00	0.00	0.00	0.00	0.00
Apr-28-2015	5.00	0.00	0.00	0.00	0.00
May-28-2015	5.00	0.00	0.00	0.00	0.00
Jun-25-2015	4.50	0.00	0.00	0.00	0.00

ATTACHMENT A1007.A.b.

Degreaser

Sample Work Practice Checklist

MONTHLY WORK PRACTICE CHECK LIST
TA-55-DG-1 DEGREASER

R 04/20/2015

Date of Action:	Location of Source : (TA/BLDG/Room) TA-55-PF4-319	
Monitoring Requirements(A1007.A¹):	Yes/No	Comments
1. Does the operator monitor and record the amount of solvent added to the degreaser?		
Recordkeeping Requirements (A1007.A¹)	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?		
4. Does the operator maintain work practice checklists?		
5. Does the operator maintain records in accordance with Section B109, General Recordkeeping Requirements?		
Operational Requirements (A1007.A¹)	Yes/No	Comments
1. Does the operator ensure the degreaser is closed with a tight fitting cover whenever not in use?		
2. Does the operator maintain a freeboard ratio of 0.75 or greater?		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?		
4. Does the operator ensure that flushing is performed only within the freeboard area only?		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)?		
6. Does the operator ensure that the solvent level does not exceed the fill line on the solvent level?		
7. Does the operator ensure that all spills are wiped up immediately?		
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.A¹) 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)?		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?		
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

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

TA33-G-1-P
Operating Log

4D5001/UTRINTS

[illegible]

* Reason for Operation: Emergency use, maintenance, repairs, testing, etc.

**** Cumulative run time must be tracked separately for maintenance/repairs/testing and Emergency Use**

~~Cumulative run times are summed and reset each calendar year.~~

LANL P100-R2

ATTACHMENT A1104.B.

Internal Combustion

Permitted Generator Hours

YEAR 2015 Permitted Generators										First Half			Second Half			* Total Run Hours
Permit ID	Location	ID #	Engine Make	Engine Model	Engine Serial #	gen kWe	engine kWm	Reading 2nd half of previous year		6 Month Reading Date	Reading	Hours Run	12 Month Reading Date	Reading	Hours Run	
TA-33-G-1	33-290	G-0012	Kohler	1600ROZD	375801	1500		Dec-14	355.0	Jun-15	355.0	0.0	Dec-15		0.0	0.0
TA-33-G-1P	33-Port	G-0053	Cummins	QST30-G5	37199764	1000		Dec-14	675.5	Jun-15	677.0	1.5	Dec-15		0.0	1.5
TA-33-G-2	33-209	G-0008	Kohler/Yanmar	4TNE84T	52993	20		Dec-14	440.3	Jun-15	465.0	24.7	Dec-15		0.0	24.7
TA-33-G-3	33-280	G-0010	Kohler/Yanmar	4TNE84T	52992	20		Dec-14	230.3	Jun-15	230.4	0.1	Dec-15		0.0	0.1
TA-33-G-4	33-151	G-0007	Caterpillar	3306	8JJ00615	225		Dec-14	3453.0	Jun-15	3591.0	138.0	Dec-15		0.0	138.0
RLUOB-GEN-1	55-440	G-0058	Cummins	KTA50G9	25314401	1500	1656.1	Dec-14	170.3	Jun-15	183.2	12.9	Dec-15		0.0	12.9
RLUOB-GEN-2	55-440	G-0059	Cummins	KTA50G9	25314399	1500	1656.1	Dec-14	116.4	Jun-15	120.8	4.4	Dec-15		0.0	4.4
RLUOB-GEN-3	55-440	G-0060	Cummins	KTA50G9	33165566	1500	1656.1	Dec-14	110.0	Jun-15	122.0	12.0	Dec-15		0.0	12.0
TA-48-GEN-1	TA-48-1	G-00XX	Cummins	QSB7-G3 NR3	73176927	150	186	Dec-14		Jun-15		0.0	Dec-15		0.0	0.0
TA-55-GEN-1	TA-55-PF10	G-0065	Isuzu	BZ-4LE2T	4LE2-298868	30	40.2	Dec-14	12.8	Jun-15	12.8	0.0	Dec-15		0.0	0.0
TA-55-GEN-2	TA-55-PF11	G-0066	Isuzu	BZ-4LE2T	4LE2-299432	30	40.2	Dec-14	12.7	Jun-15	12.7	0.0	Dec-15		0.0	0.0
TA-55-GEN-3	TA-55-371	G-0064	Caterpillar	C32	SYCO5263	900	1335	Dec-14	47.4	Jun-15	57.7	10.3	Dec-15		0.0	10.3

* 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 hr/yr

TA-48-GEN-1 has not been installed as of June 2015

ATTACHMENT A1106.A.

Internal Combustion

Method 9 Opacity Reports

Attachment A1106 – Internal Combustion

20.2.61 NMAC Opacity Logs

Opacity measurements were not conducted during this monitoring period.

ATTACHMENT A1207.A.

Data Disintegrator

Operating Logs

Data Disintegrator Operating Logs January – June, 2015

2015 TA-52 Data Disintegrator (EQPT 89)

	Data Entry		Data Entry
Month	Boxes ^(c) Shredded	Month	Boxes ^(c) Shredded
January	185	July	
February	138	August	
March	137	September	
April	105	October	
May	108	November	
June	123	December	
6 mo. Total:	796	6 mo. Total:	0

Annual Boxes:	796
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ATTACHMENT A1207.B.

Data Disintegrator

Maintenance Performed

Data Disintegrator at TA-52-0011
Regular Maintenance and Repair
January - June 2015

January - June 2015						
TA/BLDG	Work Order	Task	Job Type	Task Title	Task Status	Actual Start Date Completion Date
52/0011	00514564	1	PM	520011 6M CYCLONE SEPARATOR/ SHAKER LUBE	COMPLETE	5/29/2015 5/29/2015

Facility: F07 Unit: 520011 Proj:
Task Title: 520011 6M CYCLONE SEPERATOR/ SHAKER
LUBE/INSP.

W/O Type: PM W/O Group: 3PM MOD Task Priority: 4
Planner : 166793 WROBBEL J M
W/O Title: 520011 6M CYCLONE SEPERATOR/ SHAKER LUBE
Written To: CYCLONE SHAKER (SEPERATOR PARTICULATE)
Task Dspln: M Due Date: 05/31/2015



Hazard: LOW IWD Reqmt: N/A LOW HZRD



Work Order Task

00514564 01

DUPLICATE

Date: 06/05/2015

Page: 1

Work Order Task Written To

Facility : F07 Unit : 520011 Op Sys : BLDG
Room : BLDG Area : Sys/Cls: R ML4
Equipment : UNIT SPP Component:
Location :
Job Type : PM
Tag 1 : Tag 2 :
Work Item : Ops Review Reqd: N

Authorization

Start Permission : Start Date:
Complete Notice : Complete Date:

NOTE:

* Refer to attached Form 2101 - Non-Tenant Activity Form - or Form 2102-
Tenant Activity Form - for a description of site specific training or
escort and access requirements.

Work Order Task Instructions

M/L:4

TEXT DESCRIPTION

Install Lock-Out/Tag Out to the local disconnect at the Cyclone Unit
Requires 3 lockout/tag out cdd-6, 7 & 8
.Verify Zero energy to the unit.
Lubricate and inspect the chains on the rotary air lock valve and shaker.
.Lubrication of Rotor Bearings: Using an EP type grease quality grade 2
.grease the existing fittings located on the lubrication manifolds mounted on
the pillow blocks.
.Lubricating Motor Bearings: Remove the drain plug and then inject new
.grease at the fill hole. Replace the drain plug. Recommended grease
~~.should be Polyrea based bearing lubricant.~~
.Lubricate, inspect and repair the gear box and chain bearings in gear box.
.Verify proper operation oil level and add as needed.
.Change the Air lock valve gear box oil following every

Facility: F07 Unit: 520011 Proj:
Task Title: 520011 6M CYCLONE SEPERATOR/ SHAKER
LUBE/INSP.

W/O Type: PM W/O Group: 3PM MOD Task Priority: 4
Planner : 166793 WROBBEL J M
W/O Title: 520011 6M CYCLONE SEPERATOR/ SHAKER LUBE
Written To: CYCLONE SHAKER (SEPERATOR PARTICULATE)
Task Dspln: M Due Date: 05/31/2015



Hazard: LOW IWD Reqmt: N/A LOW HZRD



Work Order Task

00514564 01

DUPLICATE

Date: 06/05/2015

Page: 2

5000 hours of operation.
.Check and lubricate all bearings associated with the Cyclone-
.Shaker unit as required.
.,Complete any lubrication, adjustments or replacement of any components
.associated with the conveyor unit, To include bearings, belts, rollers and
.all other associated components
.Complete lubrication of the shaker flange bearings following a 3 year recomm
schedule.
Complete any maintenance, as needed, on all motors per manufacturers recommen
Remove the Lock OUT from the local disconnect.
POC: Melissa Metcalf

NOTE: ASSIGNED CRAFTS SHALL FOLLOW ALL APPLICABLE STATE, FEDERAL AND LANL
CODES AND STANDARDS.
INTO SECURITY AREAS.

ORIGINATOR: TELEPHONE#:
CONFIGURATION MANAGEMENT REVIEW REQUIRED] [] YES [X] NO
CHECK CRAFTS REQUIRED:

[] CUSTODIAL	[] ELECTRICIANS	[] LABORERS
[] TEAMSTERS	[] OPERATING ENGINEERS	[] PAINTERS
[] FITTERS	[] CEMENT MASONS	[] CARPENTERS
[] ROOFERS	[] IRON WORKERS	[] INSULATORS
[] SHEETMETAL	[] MECHANICS	[] ENGINEERING
[] OTHER (SPECIFY) :		

AUTHORIZED FUNDING LEVEL:

FUNDING APPROVED BY: () N/A
Z#

DATE:

LOG-IN REQUIRED: [X] YES [] NO LOG-OUT REQUIRED: [X] YES [] NO

LOCATION OF LOG-IN: TA-3-142

Weekly Schedule or Plan of the Day

CHECK-IN REQUIRED: [X] YES [] NO CHECK-OUT REQUIRED: [X] YES [] NO

~~LOCATION OF CHECK-IN/CHECK-OUT:~~

PLANT ENGINEERING REVIEW:

Facility: F07 Unit: 520011 Proj:
Task Title: 520011 6M CYCLONE SEPERATOR/ SHAKER
LUBE/INSP.

W/O Type: PM W/O Group: 3PM MOD Task Priority: 4
Planner : 166793 WROBBEL J M
W/O Title: 520011 6M CYCLONE SEPERATOR/ SHAKER LUBE
Written To: CYCLONE SHAKER (SEPERATOR PARTICULATE)
Task Dspln: M Due Date: 05/31/2015



Hazard: LOW IWD Reqmt: N/A LOW HZRD



Work Order Task

00514564 01

DUPLICATE

Date: 06/05/2015

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PE REVIEW REQUIRED [] YES [X] NO
PE INSPECTION APPROVAL [] YES [X] NO

All debris/trash created by this work will be removed prior to completion
of job or work day.

QC Requirements/Comments

Rework Reason/Cause

CDSG CUSTOMER DESIGN
IMCW IMPROPER CONSTRUCTION/WORKMANSHIP
IMDN IMPROPER DESIGN
PDMS PARTS/MATERIAL DID NOT MEET SPECIFICATIONS
WR WARRANTY REWORK/REPAIR

(Y/N)

Date: Hours: Crew: Shift:
Comments:

Rework/Approval

Deficiency Tag No.: Loc: Tag Removed:
ReWork Job : N Comments:

Trouble Found/Work Performed

Continued on Additional Sheets? :

Facility: F07 Unit: 520011 Proj:
Task Title: 520011 6M CYCLONE SEPERATOR/ SHAKER
LUBE/INSP.

W/O Type: PM W/O Group: 3PM MOD Task Priority: 4
Planner : 166793 WROBBEL J M
W/O Title: 520011 6M CYCLONE SEPERATOR/ SHAKER LUBE
Written To: CYCLONE SHAKER (SEPERATOR PARTICULATE)
Task Dspln: M Due Date: 05/31/2015



Work Order Task

00514564 01

DUPLICATE

Date: 06/05/2015

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Hazard: LOW

IWD Reqmt: N/A LOW HZRD

Work Delay Reason

				(Y/N)
A	ACCESS			<input type="checkbox"/>
	Date: <input type="text"/>	Hours: <input type="text"/>	Crew: <input type="text"/>	Shift: <input type="text"/>
EQPT	EQUIPMENT			<input type="checkbox"/>
	Date: <input type="text"/>	Hours: <input type="text"/>	Crew: <input type="text"/>	Shift: <input type="text"/>
MISC	MISCELLANEOUS			<input type="checkbox"/>
	Date: <input type="text"/>	Hours: <input type="text"/>	Crew: <input type="text"/>	Shift: <input type="text"/>
OPS	OPERATIONS			<input type="checkbox"/>
	Date: <input type="text"/>	Hours: <input type="text"/>	Crew: <input type="text"/>	Shift: <input type="text"/>
P	POOR PLANNING			<input type="checkbox"/>
	Date: <input type="text"/>	Hours: <input type="text"/>	Crew: <input type="text"/>	Shift: <input type="text"/>
S	SAFETY			<input type="checkbox"/>
	Date: <input type="text"/>	Hours: <input type="text"/>	Crew: <input type="text"/>	Shift: <input type="text"/>
SCH	SCHEDULING			<input type="checkbox"/>
	Date: <input type="text"/>	Hours: <input type="text"/>	Crew: <input type="text"/>	Shift: <input type="text"/>
T	TRAVEL			<input type="checkbox"/>
	Date: <input type="text"/>	Hours: <input type="text"/>	Crew: <input type="text"/>	Shift: <input type="text"/>
W	WEATHER			<input type="checkbox"/>
	Date: <input type="text"/>	Hours: <input type="text"/>	Crew: <input type="text"/>	Shift: <input type="text"/>
Comments: <input type="text"/>				

Major Failure/Action Taken

Major Failure : Action Taken :
Deficiency Tag Loc: Removed (Y/N):
Deficiency Tag No.: Limited Cond Operation:

Work Completion Signatures

Name	Function/Dept.	Date
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

Comments:
(rework?)

***** END OF REPORT *****

Facility: F07 Unit: 520011 Proj:
Task Title: 520011 6M CYCLONE SEPERATOR/ SHAKER
LUBE/INSP.
W/O Type: PM W/O Group: 3PM MOD Task Priority: 4
Planner : 166793 WROBBEL J M
W/O Title: 520011 6M CYCLONE SEPERATOR/ SHAKER LUBE
Written To: CYCLONE SHAKER (SEPERATOR PARTICULATE)
Task Dspln: M Due Date: 05/31/2015



Hazard: LOW IWD Reqmt: N/A LOW HZRD



Work Order Task

00514564 01

DUPLICATE

Date: 06/05/2015

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Cost Center: 8S010A Activity : 640CL000 User Def:
Percentage : 100.000 Acct No : WL2300 00000000

ATTACHMENT A1307.A.

TA-03 Power Plant

Emission Rate Calculations

Monthly Emission Calculation (Natural Gas) 2015

Average Hourly Emissions Rates (pph) for each Emission Unit

(Meets condition A1307.A, monitoring condition 1, of Title V Permit P100-R1-M3 and P100-R2)

Unit TA-3-22-1 (Boiler 1) pph

	Jan.	Feb.	Mar.	Apr.	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Allowable Emissions ^(a)
NOx	0.00	0.00	2.80	0.00	2.01	1.54							10.2
SOx	0.00	0.00	0.03	0.00	0.02	0.02							1.1
PM	0.00	0.00	0.37	0.00	0.26	0.20							1.3
PM-10	0.00	0.00	0.37	0.00	0.26	0.20							1.3
PM-2.5	0.00	0.00	0.37	0.00	0.26	0.20							1.3
CO	0.00	0.00	1.93	0.00	1.39	1.06							7.0
VOC	0.00	0.00	0.27	0.00	0.19	0.15							1.0

Unit TA-3-22-2 (Boiler 2) pph

	Jan.	Feb.	Mar.	Apr.	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Allowable Emissions ^(a)
NOx	4.07	3.64	3.32	0.00	0.00	1.50							10.2
SOx	0.04	0.04	0.03	0.00	0.00	0.02							1.1
PM	0.53	0.48	0.44	0.00	0.00	0.20							1.3
PM-10	0.53	0.48	0.44	0.00	0.00	0.20							1.3
PM-2.5	0.53	0.48	0.44	0.00	0.00	0.20							1.3
CO	2.80	2.51	2.29	0.00	0.00	1.03							7.0
VOC	0.39	0.34	0.32	0.00	0.00	0.14							1.0

Unit TA-3-22-3 (Boiler 3) pph

	Jan.	Feb.	Mar.	Apr.	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Allowable Emissions ^(a)
NOx	3.01	4.20	2.59	2.48	2.26	0.00							10.2
SOx	0.03	0.04	0.03	0.03	0.02	0.00							1.1
PM	0.39	0.55	0.34	0.32	0.30	0.00							1.3
PM-10	0.39	0.55	0.34	0.32	0.30	0.00							1.3
PM-2.5	0.39	0.55	0.34	0.32	0.30	0.00							1.3
CO	2.08	2.90	1.78	1.71	1.56	0.00							7.0
VOC	0.29	0.40	0.25	0.23	0.21	0.00							1.0

(a) Allowable Emissions are from table A1302A of permit P100-R1-M3 and Permit P100-R2

Average Hourly Emissions Rates (pph) for each Emission Unit
(Meets condition A1307.A, monitoring condition 1, of Title V Permit P100-R1-M3 and P100-R2)

Allowable Emissions^(a)[illegible]Allowable Emissions^(a)[illegible]Allowable Emissions^(a)[illegible]

**12 Month Rolling Emissions 2015 (Tons)
All Three Boilers Combined**

Pollutant	TSP	PM10	NOx	CO	VOC	SO ₂
Permit Limit (tons/yr)	8.4	8.2	60.2	41.3	5.6	7.9
12-Month Rolling Total						
January	1.430	1.430	10.912	7.525	1.035	0.113
February	1.422	1.422	10.849	7.482	1.029	0.112
March	1.408	1.408	10.745	7.410	1.019	0.111
April	1.393	1.393	10.630	7.331	1.008	0.110
May	1.400	1.400	10.682	7.367	1.013	0.111
June	1.415	1.415	10.800	7.448	1.024	0.112
July						
August						
September						
October						
November						
December						

Meets permit condition A1307.A, Monitoring Condition 2.

Monthly Emission Totals (Tons)

Pollutant	TSP	PM10	NOx	CO	VOC	SO ₂
January	0.198	0.198	1.512	1.043	0.143	0.016
February	0.160	0.160	1.224	0.844	0.116	0.013
March	0.150	0.150	1.143	0.788	0.108	0.012
April	0.117	0.117	0.892	0.615	0.085	0.009
May	0.103	0.103	0.789	0.544	0.075	0.008
June	0.072	0.072	0.549	0.379	0.052	0.006
July						
August						
September						
October						
November						
December						
Annual Totals	0.800	0.800	6.109	4.213	0.579	0.063

ATTACHMENT A1307.B.

TA-03 Power Plant

Boiler Fuel Use and Hours of Operation

TA-3 Power Plant Fuel Use Totals 2015 (Data Entry)

DATA ENTRY							
Month	TA-3-22 Power Plant ^b Boiler # 1 (Edgemoor Iron Works, 210 mmBtu/hr)		TA-3-22 Power Plant ^b Boiler # 2 (Edgemoor Iron Works, 210 mmBtu/hr)		TA-3-22 Power Plant ^b Boiler # 3 (Union Iron Works, 210 mmBtu/hr)		Monthly Totals
	Natural Gas (mmscf) ^a	Fuel Oil (gallons) ^a	Natural Gas (mmscf) ^a	Fuel Oil (gallons) ^a	Natural Gas (mmscf) ^a	Fuel Oil (gallons) ^a	
January	0	0	52,022	0	109	0	52,131
February	0	0	41,976	0	217	0	42,193
March	3,622	0	26,367	0	9,429	0	39,418
April	15	0	14	0	30,737	0	30,766
May	14,640	0	30	0	12,536	0	27,206
June	11,696	0	7,232	0	0	0	18,928
July							
August							
September							
October							
November							
December							

Annual Totals:	29,973	0	127,640	0	53,028	0	210,641	0
Jan. - June	29,973	0	127,640	0	53,028	0	210,641	0
July - Dec.	0	0	0	0	0	0	0.000	0

Month	12-Mo. Rolling Total Natural Gas (mmscf)	12-Mo. Rolling Total Fuel Oil (gallons)	Hours of Operation Nat Gas Boiler 1	Hours of Operation Nat Gas Boiler 2	Hours of Operation Nat Gas Boiler 3	Hours of Operation Fuel Oil Boiler 1	Hours of Operation Fuel Oil Boiler 2	Hours of Operation Fuel Oil Boiler 3	*12-Month Rolling Total Hours (All Boilers)
January	376.3	0	0.0	742.1	2.1	0.0	0.0	0.0	9503.0
February	374.1	0	0.0	669.6	3.0	0.0	0.0	0.0	10175.6
March	370.5	0	74.9	460.1	211.4	0.0	0.0	0.0	10177.5
April	366.5	0	0.0	0.0	719.9	0.0	0.0	0.0	10224.7
May	368.3	0	422.6	0.0	321.2	0.0	0.0	0.0	10223.1
June	372.4	0	440.4	279.9	0.0	0.0	0.0	0.0	10222.6
July									
August									
September									
October									
November									
December									
Permit Limits:	1000 MMscf	500,000 gal							

* The requirement to calculate a 12 month rolling total of hours became effective on June 15, 2012.

Data Reviewed By: _____

12 Month Rolling Fuel Totals For Each TA-3 Power Plant Boiler - 2015

Month	Boiler 1		Boiler 2		Boiler 3	
	Natural Gas (mmscf)	Fuel Oil (gal.)	Natural Gas (mmscf)	Fuel Oil (gal.)	Natural Gas (mmscf)	Fuel Oil (gal.)
January	40	0	280	0	56	0
February	1	0	318	0	56	0
March	4	0	302	0	65	0
April	4	0	291	0	72	0
May	19	0	280	0	69	0
June	31	0	272	0	69	0
July						
August						
September						
October						
November						
December						

ATTACHMENT A1307.C.

TA-03 Power Plant

Turbine Fuel Use and Hours of Operation

CY2015 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	1057	4.2	0	0.0	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	12	0.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0											
5	12	0.3	1067	4.2	902	4.1	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	0	0.0													
7	0	0.0	1099	5.1	0	0.0	0	0.0	15	0.0	0	0.0													
8	1016	4.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0													
9	0	0.0	0	0.0	0	0.0	0	0.0	1067	4.1	0	0.0													
10	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	13	0.0	0	0.0											
11	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	82	1.5													
12	0	0.0	1068	4.1	75	0.1	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	0	0.0													
14	0	0.0	0	0.0	0	0.0	0	0.0	108	0.0	0	0.0													
15	1295	5.2	0	0.0	0	0.0	23	0.3	0	0.0	47	1.0													
16	0	0.0	0	0.0	2	0.0	1013	4.1	0	0.0	0	0.0													
17	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0													
18	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0													
19	0	0.0	1074	4.1	60	0.2	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	0	0.0													
21	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0													
22	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0													
23	1249	5.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0													
24	0	0.0	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	0	0.0	0	0.0	0	0.0													
26	0	0.0	1095	4.0	1063	4.0	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	0	0.0													
28	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0													
29	1049	4.2			0	0.0	0	0.0	0	0.0	0	0.0													
30	0	0.0			0	0.0	0	0.0	0	0.0	0	0.0													
31	0	0.0			0	0.0			0	0.0															
SUM	4621	18.7	5415	21.75	2102	8.4	3160	12.7	136	0	129	2.5													
Mscf	41,302		43,484		41,365		41,406		37,840		35,972														
MMscf	41.3		43.5		41.4		41.4		37.8		36.0		#VALUE!		#VALUE!		#VALUE!		#VALUE!		#VALUE!		#VALUE!		
Hrs.	141		146		133		133		115		107														
First Half Gas Use:		15.56		MMscf		Second Half Gas Use:		0.0		MMscf		Annual Gas Use:		15.56		MMscf									

12 Mo. Rolling Gas

Permit Limit (12 mo rolling): 1400 MMscf

Total Annual Hours: 64 Hour

High Heat Value (HHV) for natural gas* = 1020 MMBtu/MMscf

Reviewed by/date: _____

ATTACHMENT A1307.D.

TA-03 Power Plant

Turbine Operating Logs

[illegible]

CGTG TURBINE UTILITIES AND INFRASTRUCTURE

20	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
21	GAS COMPRESSOR START TIME	00:00																											
24	Combustible Gas Detector	%		0%	20%																								
25	Packing Lube Oil Flow Indicator Left Side	LIGHT		BLINK																									
26	Liquid Level Coalescing	LIQID		EMPTY	ANY																								
27	Crankcase Bulls eye	LEVEL	1/4	1/2	FULL																								
28	Oil Day Tank Level	GAL	10		FULL																								
29	Lubricator Bulls eye	LEVEL	1/2	FULL																									
30	1st Stage Scrubber Liquid Level	LIQID		EMPTY	ANY																								
31	2nd Stage Scrubber Liquid Level	LIQID		EMPTY	ANY																								
32	Packing Lube Oil Flow Indicator Right Side	LIGHT		BLINK																									
33	1st Stage Inlet Press.	psig		88	140																								
34	Stage Disch. Press	psig		238	285																								
35	2nd Stage Inlet Press	psig		267	285																								
36	2nd Stage Disch. Press	psig		575	600																								
37	Final Discharge Pressure	psig		575	600																								
38	Lube Oil Pressure	psig	40	60																									
39	Lube Oil Temp	deg		150	170																								
40	Final Discharge Temp	deg		110	150																								
41	1st Stage Cylinder Disch. Temperature A	deg		226	297																								
42	2nd Stage Cylinder Disch. Temperature A	deg		258	283																								
43	1st Stage Cylinder Disch. Temperature B	deg		226	297																								
44	2nd Stage Cylinder Disch. Temperature B	deg		258	283																								
45	Motor Frame Vibration	IPS			0.15																								
46	Compressor Frame Vibration	IPS			0.35																								
47	Take Once per Shift / at Full Load	psig		Max psid																									
48	Natural Gas Comp. Discharge Press.																												
49	Double Block and Bleed Pressure																												
50	Fuel Gas Supply Pressure																												

When the differential pressure exceeds Max psid the filter should be changed out. Notify System Engineer

DATE 03-05-2015

SIGNATURE

Mid Shift

Days Shift

NOTES

[illegible]

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CGTG TURBINE UTILITIES AND INFRASTRUCTURE

20	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
21	GAS COMPRESSOR START TIME	0630																											
24	Combustible Gas Detector	AAH-303	%	0%	20%																								
25	Packing Lube Oil Flow Indicator Left Side	FSL-1501B	LIGHT	BLINK																									
26	Liquid Level Coalescing	LI-7721	LIQID	EMPTY	ANY																								
27	Crankcase Bulls eye	LC-1574	LEVEL	1/4	FULL																								
28	Oil Day Tank Level	LI-1562	GAL	10	FULL																								
29	Lubricator Bulls eye		LEVEL	1/2	FULL																								
30	1st Stage Scrubber Liquid Level	LI-7416	LIQID	EMPTY	ANY																								
31	2nd Stage Scrubber Liquid Level	LI-7466	LIQID	EMPTY	ANY																								
32	Packing Lube Oil Flow Indicator Right Side	FSL-1501A	LIGHT	BLINK																									
33	1st Stage Inlet Press.	PI-2100	psig	88	140																								
34	Stage Disch. Press	PI-2101	psig	238	285																								
35	2nd Stage Inlet Press	PI-2200	psig	267	285																								
36	2nd Stage Disch. Press	PI-2201	psig	575	600																								
37	Final Discharge Pressure	PI-2108	psig	575	600																								
38	Lube Oil Pressure	PI-1572	psig	60																									
39	Lube Oil Temp	TE-1584	deg	150	170																								
40	Final Discharge Temp	TE-2120	deg	110	150																								
41	1st Stage Cylinder Disch. Temperature A	TE-2054 A	deg	226	297																								
42	2nd Stage Cylinder Disch. Temperature A	TE-2062 A	deg	258	283																								
43	1st Stage Cylinder Disch. Temperature B	TE-2054 B	deg	226	297																								
44	2nd Stage Cylinder Disch. Temperature B	TE-2062 B	deg	258	283																								
45	Motor Frame Vibration	VT-1015	IPS	0.15																									
46	Compressor Frame Vibration	VT-1512	IPS	0.35																									
47	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																								
48	Natural Gas Comp. Discharge Press.																												
49	Double Block and Bleed Pressure	A63FGDT	49-48=psid		8																								
50	Fuel Gas Supply Pressure	A63FTGST	50-49=psid		20																								

DATE MARCH 12, 2015

SIGNATURE

Mild Shift

Days Shift

MSP.

NOTES 788099 GAS READING.

CGTG TURBINE UTILITIES AND INFRASTRUCTURE										CGTG GAS TURBINE								Hour Beginning								MST(MD)(circle one)						
				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
Instrument Air Compressor	(BVT-013)	hourly																														
NOTE Blowdown Dry Receiver Tank	(BVT-007)	hourly																														
Wet Reciever Air Pressure	PI-002	psig			90	105	120																									
Instrument Temperature	TI-001	deg C				20	50																									
Fan Cooler		Units			Low	Norm	Max																									
Coolant Pressure	PI-250	psig				25			/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Coolant PLC Temperature	TI-002	deg F			100	110	120																									
Sight glass Level Expansion Tank	LI-001	LEVEL			1/3	2/3	FULL																									
Coolant Return Differential from GG	FI-001	In WC				60	80																									
Coolant Return Differential from	FI-002	In WC				37	50																									
Control Room		Units			Low	Norm	Max																									
Room Temperature		deg F				72	85																									
Combustible Gas Detector monitor		% LEL				0%	20%																									
WECC Log		operational						Not operational																								
Operation of the PSS/on at 6.3MW		Yes						No																								
Operation of the AVR Voltage Mode @13.6 KV		Yes						No																								
Time gas was first introduced into the Turbine (Turbine Rolling)				1430	200	575			0.2	hrs																						
Turbine on line. (When BKR Closes)				1445																												
Turbine off line. (When BKR Opens)				1455																												
Time of No Gas Flow				1501																												
Electronic Control System		Units			Low	Norm	Max																									
Air Diagram		%						70%																								
2000 gal Oily Water Tank Level	LI-231																															
Air Diagram Page		%						70%																								
10 gal Gas TG Drain Tank	LI-230																															
Air Diagram Page/Record on hard S/D trip over 4500 rpm NL Compressor (on line trip)	A63GGD 5T-01	psig			35	20																										
Acknowledge Alarms hourly																																
Power Management Page		Amps						1200																								
Generator Current	A54A-01																															
Power Management Page		Mw						21																								
Mw Output																																
Power Management Page																																
80 % Base Min Load																																
Running Hours/ Unit Overview Page																																
Ambient Temperature	T1																															

[illegible]

CGTG TURBINE UTILITIES AND INFRASTRUCTURE

20	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
21	GAS COMPRESSOR START TIME	0640																											
24	Combustible Gas Detector	AAH-303	%	0%	20%																								
25	Packing Lube Oil Flow Indicator Left Side	FSL-1501B	LIGHT	BLINK																									
26	Liquid Level Coalescing	LI-7721	LIQID	EMPTY	ANY																								
27	Crankcase Bulls eye	LC-1574	LEVEL	1/4	FULL																								
28	Oil Day Tank Level	LI-1562	GAL	10	FULL																								
29	Lubricator Bulls eye		LEVEL	1/2	FULL																								
30	1st Stage Scrubber Liquid Level	LI-7416	LIQID	EMPTY	ANY																								
31	2nd Stage Scrubber Liquid Level	LI-7466	LIQID	EMPTY	ANY																								
32	Packing Lube Oil Flow Indicator Right Side	FSL-1501A	LIGHT	BLINK																									
33	1st Stage Inlet Press.	PI-2100	psig	88	140																								
34	Stage Disch. Press	PI-2101	psig	238	285																								
35	2nd Stage Inlet Press	PI-2200	psig	267	285																								
36	2nd Stage Disch. Press	PI-2201	psig	575	600																								
37	Final Discharge Pressure	PI-2108	psig	575	600																								
38	Lube Oil Pressure	PI-1572	psig	40	60																								
39	Lube Oil Temp	TE-1584	deg	150	170																								
40	Final Discharge Temp	TE-2120	deg	110	150																								
41	1st Stage Cylinder Disch. Temperature A	TE-2054 A	deg	226	297																								
42	2nd Stage Cylinder Disch. Temperature A	TE-2062 A	deg	258	283																								
43	1st Stage Cylinder Disch. Temperature B	TE-2054 B	deg	226	297																								
44	2nd Stage Cylinder Disch. Temperature B	TE-2062 B	deg	258	283																								
45	Motor Frame Vibration	VT-1015	IPS		0.15																								
46	Compressor Frame Vibration	VT-1512	IPS		0.35																								
47	Take Once per Shift / at Full Load		psig	Max psid																									
48	Natural Gas Comp. Discharge Press.																												
49	Double Block and Bleed Pressure	A63FGDT	49-48-psid		8																								
50	Fuel Gas Supply Pressure	A63FTGST	50-49-psid		20																								

When the differential pressure exceeds Max psid the filter should be changed out. Notify System Engineer

DATE 03/26/2015
SIGNATURE *[Signature]*

Mid Shift

Days Shift

NOTES

CGTG TURBINE UTILITIES AND INFRASTRUCTURE

CGTG TURBINE UTILITIES AND INFRASTRUCTURE

CGTG TURBINE UTILITIES AND INFRASTRUCTURE

[illegible]

DATE	APR 12, 2015	SIGNATURE	<i>[Signature]</i>
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UTILITIES AND INFRASTRUCTURE

DATE	APR 12 2, 2015
SIGNATURE	
Mid Shift	
Days Shift	<i>M. Payton</i>
NOTES	

CGTG TURBINE UTILITIES AND INFRASTRUCTURE										CGTG GAS TURBINE										Hour Beginning										MST(MD) (circle one)							
										1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
Instrument Air Compressor										Units	Low	Norm	Max																								
1	NOTE Blowdown Dry Receiver Tank (BVT-013) hourly																																				
2	NOTE Blowdown Wet Receiver Tank (BVT-007) hourly																																				
3	Wet Receiver Air Pressure									psig	90	105	120																								
4	Instrument Temperature									deg C	20	50	50																								
5	Fin Fan Cooler									Units	Low	Norm	Max																								
6	Coolant Pressure									psig	25																										
7	Coolant PLC Temperature									deg F	100	110	120																								
8	Sight glass Level Expansion Tank									LEVEL	1/3	2/3	FULL																								
9	Coolant Return Differential from GG									In WC	60	80	80																								
10	Coolant Return Differential from									In WC	37	50	50																								
11	Control Room									Units	Low	Norm	Max																								
12	Room Temperature									deg F	72	85	85																								
13	Combustible Gas Detector monitor									% LEL	0%	20%	20%																								
15	WECC Log									operational																											
16	Operation of the PSS/on at 6.3MW									Yes			No																								
17	Operation of the AVR Voltage Mode @13.6 KV									Yes			No																								
18	Time gas was first introduced into the Turbine (Turbine Rolling)										200	575																									
19	Turbine on line. (When BKR Closes)																																				
20	Turbine off line. (When BKR Opens)																																				
21	Time of No Gas Flow																																				
22	Enfronic Control System									Units	Low	Norm	Max																								
18	Air Diagram									%			70%																								
19	2000 gal Oily Water Tank Level									%			70%																								
20	Air Diagram Page/Record on hard S/D trip over 4500 rpm NL Compressor (on line trip)									psig	35	20																									
21	Acknowledge Alarms hourly																																				
22	Power Management Page									Amps			1200																								
23	Generator Current									Mw			21																								
24	Power Management Page																																				
25	80 % Base Min Load																																				
26	Running Hours/ Unit Overview Page																																				
27	Ambient Temperature																																				
28	Gas Fuel System/Waste Oil Tank									%			70%																								

CGTG TURBINE UTILITIES AND INFRASTRUCTURE

20	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
21	GAS COMPRESSOR START TIME	0645																											
24	Combustible Gas Detector	AAH-303	%	0%	20%								005	—	—	—													
25	Packing Lube Oil Flow Indicator Left Side	FSL-1501B	LIGHT	BLINK									B	B	B	B													
26	Liquid Level Coalescing	LI-7721	LIQUID	EMPTY	ANY								E	E	E	E													
27	Crankcase Bulls eye	LC-1574	LEVEL	1/4	FULL								1/2	1/2	1/2	1/2													
28	Oil Day Tank Level	LI-1562	GAL	10	FULL								41	41	41	41													
29	Lubricator Bulls eye		LEVEL	1/2	FULL								F	F	F	F													
30	1st Stage Scrubber Liquid Level	LI-7416	LIQUID	EMPTY	ANY								E	E	E	E													
31	2nd Stage Scrubber Liquid Level	LI-7466	LIQUID	EMPTY	ANY								E	E	E	E													
32	Packing Lube Oil Flow Indicator Right Side	FSL-1501A	LIGHT	BLINK									B	B	B	B													
33	1st Stage Inlet Press.	PI-2100	psig	88	140								77	76	77	77													
34	Stage Disch. Press	PI-2101	psig	238	285								276	276	277	238													
35	2nd Stage Inlet Press	PI-2200	psig	267	285								272	272	274	235													
36	2nd Stage Disch. Press	PI-2201	psig	575	600								579	580	576	579													
37	Final Discharge Pressure	PI-2108	psig	575	600								575	578	572	575													
38	Lube Oil Pressure	PI-1572	psig	40	60								58	60	58	58													
39	Lube Oil Temp	TE-1584	deg	150	170								170	170	170	170													
40	Final Discharge Temp	TE-2120	deg	110	150								76	75	82	85													
41	1st Stage Cylinder Disch. Temperature A	TE-2054 A	deg	226	297								248	247	249	249													
42	2nd Stage Cylinder Disch. Temperature A	TE-2062 A	deg	258	283								247	245	242	245													
43	1st Stage Cylinder Disch. Temperature B	TE-2054 B	deg	226	297								246	246	247	247													
44	2nd Stage Cylinder Disch. Temperature B	TE-2062 B	deg	258	283								247	246	242	245													
45	Motor Frame Vibration	VT-1015	IPS		0.15								.03	.04	.03	.03													
46	Compressor Frame Vibration	VT-1512	IPS		0.35								.04	.05	.05	.05													
47	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																							
48	Natural Gas Comp Discharge Press.												575																
49	Double Block and Bleed Pressure	AG3FGDT	49-48=psid		8								570																
50	Fuel Gas Supply Pressure	AG3FTGST	50-49=psid		20								557																

DATE 4-9-15

SIGNATURE *[Signature]* *Comer*

Mid Shift

Days Shift

NOTES

CGTG TURBINE UTILITIES AND INFRASTRUCTURE										CGTG GAS TURBINE										Hour Beginning										MST/MDT (circle one)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Instrument Air Compressor										Blowdown Dry Receiver Tank (BVT-013) hourly										Blowdown Wet Receiver Tank (BVT-007) hourly										Wet Receiver Air Pressure										Instrument Temperature										Fin Fan Cooler										Coolant Pressure										Coolant PLC Temperature										Sight glass Level Expansion Tank										Coolant Return Differential from GG										Coolant Return Differential from										Control Room										Room Temperature										Combustible Gas Detector monitor										WECC Log										Operation of the PSS/on at 6.3MW										Operation of the AVR Voltage Mode										@13.6 KV										Time gas was first introduced into the Turbine (Turbine Rolling)										Turbine on line. (When BKR Closes)										Turbine off line. (When BKR Opens)										Time of No Gas Flow										Entronic Control System										Air Diagram										2000 gal Oily Water Tank Level										Air Diagram Page										10 gal Gas TG Drain Tank										Air Diagram Page/Record on hard S/D										trip over 4500 rpm NL Compressor (on line trip)										Acknowledge Alarms hourly										Power Management Page										Generator Current										Power Management Page										Mw Output										Power Management Page										80 % Base Min Load										Running Hours/ Unit Overview Page										Ambient Temperature										Gas Fuel System/Waste Oil Tank																																																																																																																								
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	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	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	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	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	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	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	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	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	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	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	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	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	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	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	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	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	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	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	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	

CGTG TURBINE UTILITIES AND INFRASTRUCTURE

20	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
21	GAS COMPRESSOR START TIME	1101																											
24	Combustible Gas Detector	AAH-303	%	0%	20%																								
25	Packing Lube Oil Flow Indicator Left Side	FSL-1501B	LIGHT	BLINK																									
26	Liquid Level Coalescing	LI-7721	LIQID	EMPTY	ANY																								
27	Crankcase Buils eye	LC-1574	LEVEL	1/4	FULL																								
28	Oil Day Tank Level	LI-1562	GAL	10	FULL																								
29	Lubricator Buils eye		LEVEL	1/2	FULL																								
30	1st Stage Scrubber Liquid Level	LI-7416	LIQID	EMPTY	ANY																								
31	2nd Stage Scrubber Liquid Level	LI-7466	LIQID	EMPTY	ANY																								
32	Packing Lube Oil Flow Indicator Right Side	FSL-1501A	LIGHT	BLINK																									
33	1st Stage Inlet Press.	PI-2100	psig	88	140																								
34	Stage Disch. Press	PI-2101	psig	238	285																								
35	2nd Stage Inlet Press	PI-2200	psig	267	285																								
36	2nd Stage Disch. Press	PI-2201	psig	575	600																								
37	Final Discharge Pressure	PI-2108	psig	575	600																								
38	Lube Oil Pressure	PI-1572	psig	40	60																								
39	Lube Oil Temp	TE-1584	deg	150	170																								
40	Final Discharge Temp	TE-2120	deg	110	150																								
41	1st Stage Cylinder Disch. Temperature A	TE-2054 A	deg	226	297																								
42	2nd Stage Cylinder Disch. Temperature A	TE-2062 A	deg	258	283																								
43	1st Stage Cylinder Disch. Temperature B	TE-2054 B	deg	226	297																								
44	2nd Stage Cylinder Disch. Temperature B	TE-2062 B	deg	258	283																								
45	Motor Frame Vibration	VT-1015	IPS		0.15																								
46	Compressor Frame Vibration	VT-1512	IPS		0.35																								
47	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																								
48	Natural Gas Comp. Discharge Press.																												
49	Double Block and Bleed Pressure	A63FGDT	49-48=psid		8																								
50	Fuel Gas Supply Pressure	A63FTG5T	50-49=psid		20																								

DATE APRIL 15, 2015

SIGNATURE

Mid Shift

Days Shift

10/2/20

NOTES

CGTG TURBINE UTILITIES AND INFRASTRUCTURE										CGTG GAS TURBINE										Hour Beginning										MST/MDT (circle one)									

CGTG TURBINE UTILITIES AND INFRASTRUCTURE

20	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
21	GAS COMPRESSOR START TIME	0635																												
24	Combustible Gas Detector	AAH-303	%		0%	20%																								
25	Packing Lube Oil Flow Indicator Left Side	FSL-1501B	LIGHT		BLINK																									
26	Liquid Level Coalescing	LI-7721	LIQID		EMPTY	ANY																								
27	Crankcase Bulls eye	LC-1574	LEVEL	1/4	1/2	FULL																								
28	Oil Day Tank Level	LI-1562	GAL	10	FULL																									
29	Lubricator Bulls eye		LEVEL	1/2	FULL																									
30	1st Stage Scrubber Liquid Level	LI-7416	LIQID		EMPTY	ANY																								
31	2nd Stage Scrubber Liquid Level	LI-7466	LIQID		EMPTY	ANY																								
32	Packing Lube Oil Flow Indicator Right Side	FSL-1501A	LIGHT		BLINK																									
33	1st Stage Inlet Press.	PI-2100	psig		88	140																								
34	Stage Disch. Press	PI-2101	psig		238	285																								
35	2nd Stage Inlet Press	PI-2200	psig		267	285																								
36	2nd Stage Disch. Press	PI-2201	psig		575	600																								
37	Final Discharge Pressure	PI-2108	psig		575	600																								
38	Lube Oil Pressure	PI-1572	psig	40	60																									
39	Lube Oil Temp	TE-1584	deg		150	170																								
40	Final Discharge Temp	TE-2120	deg		110	150																								
41	1st Stage Cylinder Disch. Temperature A	TE-2054 A	deg		226	297																								
42	2nd Stage Cylinder Disch. Temperature A	TE-2062 A	deg		258	283																								
43	1st Stage Cylinder Disch. Temperature B	TE-2054 B	deg		226	297																								
44	2nd Stage Cylinder Disch. Temperature B	TE-2062 B	deg		258	283																								
45	Motor Frame Vibration	VT-1015	IPS		0.15																									
46	Compressor Frame Vibration	VT-1512	IPS		0.35																									
47	Take Once per Shift / at Full Load		psig		Max psid																									
48	Natural Gas Comp. Discharge Press.																													
49	Double Block and Bleed Pressure	A63FGDT	49-48=psid			8																								
50	Fuel Gas Supply Pressure	A63FTGST	50-49=psid			20																								

When the differential pressure exceeds Max psid the filter should be changed out. Notify System Engineer

DATE 4-16-15

SIGNATURE

Mid Shift

Days Shift

IM Pencil

NOTES

OP02- Report low gas outlet pressure to R.C.D.A.
0930 - Low gas inlet to 23MW after approval to raise gas outlet pressure

CGTG TURBINE UTILITIES AND INFRASTRUCTURE										CGTG GAS TURBINE								Hour Beginning								MST/MDT (circle one)							
Instrument Air 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
1	NOTE	Blowdown Dry Receiver Tank (BVT-013)	hourly																														
2	NOTE	Blowdown Wet Receiver Tank (BVT-007)	hourly																														
3		Wet Reciever Air Pressure	psig	90	105	120																											
4		Instrument Temperature	deg C		20	50																											
5		Fin Fan Cooler	Units	Low	Norm	Max																											
6		Coolant Pressure	psig		25					/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7		Coolant PLC Temperature	deg F	100	110	120																											
8		Sight glass Level Expansion Tank	LEVEL	1/3	2/3	FULL																											
9		Coolant Return Differential from GG	In WC		60	80																											
10		Coolant Return Differential from	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%	20%																											
15		WECC Log	operational			Not operational																											
16		Operation of the PSS/on at 6.3MW	Yes			No																											
17		Operation of the AVR Voltage Mode @13.6 KV	Yes			No																											
18		Time gas was first introduced into the Turbine (Turbine Rolling)		200	575																												
19		Turbine on line. (When BKR Closes)																															
20		Turbine off line. (When BKR Opens)																															
21		Time of No Gas Flow																															
22		Enrtionic Control System	Units	Low	Norm	Max																											
18		Air Diagram LI-231	%			70%																											
19		Air Diagram Page LI-230	%			70%																											
20		Air Diagram Page/Record on hard S/D trip over 4500 rpm NL Compressor (on line trip)	psig	35	20																												
21		Acknowledge Alarms hourly																															
22		Power Management Page Generator Current AS4A-01	Amps			1200																											
23		Power Management Page Mw Output	Mw			21																											
24		Power Management Page 80 % Base Min Load																															
25		Running Hours/ Unit Overview Page																															
26		Ambient Temperature T1																															
27		Gas Fuel System/Waste Oil Tank LI-120	%			70%																											
DATE		5-14-15		SIGNATURE		h236 amc																											

CGTG TURBINE UTILITIES AND INFRASTRUCTURE

20	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
21	GAS COMPRESSOR START TIME																													
24	Combustible Gas Detector	AAH-303	%		0%	20%																								
25	Packing Lube Oil Flow Indicator Left Side	FSL-1501B	LIGHT		BLINK																									
26	Liquid Level Coalescing	LI-7721	LIQID		EMPTY	ANY																								
27	Crankcase Bulls eye	LC-1574	LEVEL	1/4	1/2	FULL																								
28	Oil Day Tank Level	LI-1562	GAL	10	FULL																									
29	Lubricator Bulls eye		LEVEL	1/2	FULL																									
30	1st Stage Scrubber Liquid Level	LI-7416	LIQID		EMPTY	ANY																								
31	2nd Stage Scrubber Liquid Level	LI-7466	LIQID		EMPTY	ANY																								
32	Packing Lube Oil Flow Indicator Right Side	FSL-1501A	LIGHT		BLINK																									
33	1st Stage Inlet Press.	PI-2100	psig		88	140																								
34	Stage Disch. Press	PI-2101	psig		238	285																								
35	2nd Stage Inlet Press	PI-2200	psig		267	285																								
36	2nd Stage Disch. Press	PI-2201	psig		575	600																								
37	Final Discharge Pressure	PI-2108	psig		575	600																								
38	Lube Oil Pressure	PI-1572	psig	40	60																									
39	Lube Oil Temp	TE-1584	deg		150	170																								
40	Final Discharge Temp	TE-2120	deg		110	150																								
41	1st Stage Cylinder Disch. Temperature A	TE-2054 A	deg		226	297																								
42	2nd Stage Cylinder Disch. Temperature A	TE-2062 A	deg		258	283																								
43	1st Stage Cylinder Disch. Temperature B	TE-2054 B	deg		226	297																								
44	2nd Stage Cylinder Disch. Temperature B	TE-2062 B	deg		258	283																								
45	Motor Frame Vibration	VT-1015	IPS			0.15																								
46	Compressor Frame Vibration	VT-1512	IPS			0.35																								
47	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																							
48	Natural Gas Comp. Discharge Press.																													
49	Double Block and Bleed Pressure	A63FGDT		49-48=psid		8																								
50	Fuel Gas Supply Pressure	A63FTGST		50-49=psid		20																								

DATE 5-14-15

SIGNATURE *WJL*

Mid Shift

Days Shift

NOTES

CGTG TURBINE UTILITIES AND INFRASTRUCTURE										CGTG GAS TURBINE								Hour Beginning								MST VDD (circle one)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Instrument Air Compressor										Blowdown Dry Receiver Tank (BVT-013) hourly										Blowdown Wet Receiver Tank (BVT-007) hourly										Wet Receiver Air Pressure										Instrument Temperature										Fan Cooler										Coolant Pressure										Coolant PLC Temperature										Sight glass Level Expansion Tank										Coolant Return Differential from GG										Coolant Return Differential from FI										Control Room										Room Temperature										Combustible Gas Detector monitor										WECC Log										Operation of the PSS (on at 6.3MW)										Operation of the AVR Voltage Mode @13.6 KV										Time gas was first introduced into the Turbine (Turbine Rolling)										Turbine on line. (When BKR Closes)										Turbine off line. (When BKR Opens)										Time of No Gas Flow										Entrainic Control System										Air Diagram										2000 gal Oily Water Tank Level										Air Diagram Page										10 gal Gas TG Drain Tank										Air Diagram Page/Record on hard S/D trip over 4500 rpm NL Compressor (on line trip)										Acknowledge Alarms hourly										Power Management Page										Generator Current										Power Management Page										Mw Output										Power Management Page										80 % Base Min Load										Running Hours/ Unit Overview Page										Ambient Temperature										Gas Fuel System/Waste Oil Tank																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	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	Low	Norm	Units	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	Norm	Max	Low	

CGTG TURBINE				UTILITIES AND INFRASTRUCTURE										CGTG GAS TURBINE										MST/MDT (circle one)									
Instrument Air Compressor				Units										Hour Beginning																			
1	NOTE	Blowdown Dry Receiver Tank	(BVT-013) hourly	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		
2	NOTE	Blowdown Wet Receiver Tank	(BVT-007) hourly	Units	Low	Norm	Max																										
3		Wet Receiver Air Pressure	psig	90	105	120																											
4		Instrument Temperature	deg C		20	50																											
5	Fin Fan Cooler		Units	Low	Norm	Max																											
6		Coolant Pressure	psig		25																												
7		Coolant PLC Temperature	deg F	100	110	120																											
8		Sight glass Level Expansion Tank	LEVEL	1/3	2/3	FULL																											
9		Coolant Return Differential from GG	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%	20%																											
15	WECC Log		operational				Not operational																										
16		Operation of the PSS (on at 6.3MW)	Yes				No																										
17		Operation of the AVR Voltage Mode @13.6 KV	Yes				No																										
18		Time gas was first introduced into the Turbine (Turbine Rolling)		200	575					1 hour																							
19		Turbine on line. (When BKR Closes)																															
20		Turbine off line. (When BKR Opens)																															
21		Time of No Gas Flow																															
22	Entronic Control System		Units	Low	Norm	Max																											
18	Air Diagram		%			70%																											
19	2000 gal Oily Water Tank Level		%			70%																											
20	Air Diagram Page/Record on hard S/D trip over 4500 rpm NL Compressor (on line trip)		psig	35	20																												
21	Acknowledge Alarms hourly																																
22	Power Management Page		Amps			1200																											
23	Generator Current		Mw			21																											
24	Power Management Page																																
25	80 % Base Min Load																																
26	Running Hours/ Unit Overview Page																																
27	Ambient Temperature		T1																														
27	Gas Fuel System/Waste Oil Tank		%			70%																											
DATE 06-15-2015				SIGNATURE										Randy Smith																			

F02
 HET
 WET
 SUE
 ALP

CGTG TURBINE UTILITIES AND INFRASTRUCTURE

		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
20	Natural Gas Compressor																												
21	GAS COMPRESSOR START TIME	1320																											
24	Combustible Gas Detector	AAH-303	%	0%	20%																								
25	Packing Lube Oil Flow Indicator Left Side	FSL-1501B	LIGHT	BLINK																									
26	Liquid Level Coalescing	LI-7721	LIQID	EMPTY	ANY																								
27	Crankcase Bulb eye	LC-1574	LEVEL	1/4	FULL																								
28	Oil Day Tank Level	LI-1562	GAL	10	FULL																								
29	Lubricator Bulb eye		LEVEL	1/2	FULL																								
30	1st Stage Scrubber Liquid Level	LI-7416	LIQID	EMPTY	ANY																								
31	2nd Stage Scrubber Liquid Level	LI-7466	LIQID	EMPTY	ANY																								
32	Packing Lube Oil Flow Indicator Right Side	FSL-1501A	LIGHT	BLINK																									
33	1st Stage Inlet Press.	PI-2100	psig	88	140																								
34	Stage Disch. Press	PI-2101	psig	238	285																								
35	2nd Stage Inlet Press	PI-2200	psig	267	285																								
36	2nd Stage Disch. Press	PI-2201	psig	575	600																								
37	Final Discharge Pressure	PI-2108	psig	575	600																								
38	Lube Oil Pressure	PI-1572	psig	40	60																								
39	Lube Oil Temp	TE-1584	deg	150	170																								
40	Final Discharge Temp	TE-2120	deg	110	150																								
41	1st Stage Cylinder Disch. Temperature A	TE-2054 A	deg	226	297																								
42	2nd Stage Cylinder Disch. Temperature A	TE-2062 A	deg	258	283																								
43	1st Stage Cylinder Disch. Temperature B	TE-2054 B	deg	226	297																								
44	2nd Stage Cylinder Disch. Temperature B	TE-2062 B	deg	258	283																								
45	Motor Frame Vibration	VT-1015	IPS		0.15																								
46	Compressor Frame Vibration	VT-1512	IPS		0.35																								
47	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																							
48	Natural Gas Comp. Discharge Press.																												
49	Double Block and Bleed Pressure	A63FGDT	49-48=psid		8																								
50	Fuel Gas Supply Pressure	A63FTGST	50-49=psid		20																								

DATE 06-15-2015

SIGNATURE *Ramirez*

Mid Shift

Days Shift

NOTES For Test

ATTACHMENT A1307.E.

TA-03 Power Plant

FGR Fan Inspection and Maintenance

Facility: F08 Unit: 030022 Proj:
Task Title: PP 1M TA3-22 VID/VFD/FGR FILTERS

W/O Type: PM W/O Group: UTIL Task Priority: 4
Planner : 170621 SANCHEZ K F
W/O Title: PP 1M TA3-22 VID/VFD/FGR FILTERS
Written To: TA03-0022 VARIABLE FREQUENCY DRIVES VID/
Task Dspln: Due Date: 03/31/2015



3/19

Hazard: MODERATE IWD Reqmt: TASK SPECIFC



Work Order Task

00509977 01

MASTER

Date: 01/14/2015

Page: 1

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 : SM22VID Ops Review Reqd:

Authorization

Start Permission :



Complete Notice :

Start Date:



Complete Date:



NOTE.

* Refer to attached Form 2101 - Non-Tenant Activity Form - or Form 2102-
Tenant Activity Form - for a description of site specific training or
escort and access requirements.

Work Order Task Instructions

CRAFT: UICS ELECTRICIANS

FURTHER INSTRUCTIONS/DETAILS

LOTO OF EACH UNIT TO CLEAN INTERNALLY THE INSIDE OF EACH VFD PANEL.

TASK IS TO BE DONE THE USE OF COMPRESSED AIR AND A VACUUM CLEANER. REMOVE
ALL DUST AND DEBRIS FROM THE ENCLOSURES.

QC Requirements/Comments

Facility: F08 Unit: 030022 Proj:
Task Title: PP 1M TA3-22 VID/VFD/FGR FILTERS

W/O Type: PM W/O Group: UTIL Task Priority: 4
Planner : 170621 SANCHEZ K F
W/O Title: PP 1M TA3-22 VID/VFD/FGR FILTERS
Written To: TA03-0022 VARIABLE FREQUENCY DRIVES VID/
Task Dspln: Due Date: 03/31/2015



Hazard: MODERATE IWD Reqmt: TASK SPECIFIC



Work Order Task

00509977 01

MASTER

Date: 01/14/2015
Page: 2

Rework Reason/Cause

CDSG CUSTOMER DESIGN
IMCW IMPROPER CONSTRUCTION/WORKMANSHIP
IMDN IMPROPER DESIGN
PDMS PARTS/MATERIAL DID NOT MEET SPECIFICATIONS
WR WARRANTY REWORK/REPAIR

(Y/N)

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

Date: Hours: Crew: Shift:

Comments:

Rework/Approval

Deficiency Tag No.: Loc: Tag Removed:
Rework Job : N Comments:

Trouble Found/Work Performed

See work documentation

Continued on Additional Sheets? : *yes*

Work Delay Reason

A ACCESS

Date: Hours: Crew: Shift:

EQPT EQUIPMENT

Date: Hours: Crew: Shift:

MISC MISCELLANEOUS

Date: Hours: Crew: Shift:

OPS OPERATIONS

Date: Hours: Crew: Shift:

P POOR PLANNING

Date: Hours: Crew: Shift:

S SAFETY

Date: Hours: Crew: Shift:

(Y/N)

<input type="checkbox"/>

<input type="checkbox"/>

<input type="checkbox"/>

<input type="checkbox"/>

<input type="checkbox"/>

<input type="checkbox"/>

<input type="checkbox"/>

<input type="checkbox"/>

<input type="checkbox"/>

<input type="checkbox"/>

<input type="checkbox"/>

<input type="checkbox"/>

<input type="checkbox"/>

Facility: F08 Unit: 030022 Proj:
Task Title: PP 1M TA3-22 VID/VFD/FGR FILTERS

W/O Type: PM W/O Group: UTIL Task Priority: 4
Planner : 170621 SANCHEZ K F
W/O Title: PP 1M TA3-22 VID/VFD/FGR FILTERS
Written To: TA03-0022 VARIABLE FREQUENCY DRIVES VID/
Task Dspln: Due Date: 03/31/2015



Work Order Task

00509977 01

MASTER

Date: 01/14/2015

Page: 3

Hazard: MODERATE IWD Reqmt: TASK SPECIFIC

SCH SCHEDULING

Date: Hours: Crew: Shift:

T TRAVEL

Date: Hours: Crew: Shift:

W WEATHER

Date: Hours: Crew: Shift:

Comments:

Major Failure/Action Taken

Major Failure : Action Taken :
Deficiency Tag Loc: Removed (Y/N):
Deficiency Tag No.: Limited Cond Operation:

Work Completion Signatures

Name	Function/Dept.	Date
	UICs Elec	3-25-15
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

Comments:
(rework?)

Equipment List Exceptions

Equip List	Rev	Equip List Description				
SM22VID	000	TA03-0022 VARIABLE FREQUENCY DRIVES VID/VFD/FGR				
Fac	Unit	Op Sys	Division	Area	System	Class
F08	030022	BL1	B1BSWT		U	ML4
Equipment:	FAN	FGR-001				

Name : FAN, FLUE GAS RECIRCULATING

Equip Tag:

Loc Desc : 03-0022

Exception Reason:

Facility: F08 Unit: 030022 Proj:
Task Title: PP 1M TA3-22 VID/VFD/FGR FILTERS

W/O Type: PM W/O Group: UTIL Task Priority: 4
Planner : 170621 SANCHEZ K F
W/O Title: PP 1M TA3-22 VID/VFD/FGR FILTERS
Written To: TA03-0022 VARIABLE FREQUENCY DRIVES VID/
Task Dspln: Due Date: 03/31/2015



Hazard: MODERATE IWD Reqmt: TASK SPECIFIC



Work Order Task

00509977 01

MASTER

Date: 01/14/2015
Page: 4

Fac	Unit	Op Sys	Division	Area	System	Class
F08	030022	BL1	B1MNSO		U	ML4
Equipment:		FAN	VID-001			

Name : VARIABLE FREQUENCY DRIVE

Equip Tag:

Loc Desc : 03-0022 ID FAN #1

Exception Reason:

Fac	Unit	Op Sys	Division	Area	System	Class
F08	030022	BL2	B2BSNO		U	ML4
Equipment:		FAN	FGR-002			

Name : FLUE GAS RECIRCULATING FAN

Equip Tag:

Loc Desc : 03-0022

Exception Reason:

Fac	Unit	Op Sys	Division	Area	System	Class
F08	030022	BL2	B2BSSE		U	ML4
Equipment:		FAN	VFD-002			

Name : VARIABLE FREQUENCY DRIVE

Equip Tag:

Loc Desc : 03-0022 FD FAN #2

Exception Reason:

Fac	Unit	Op Sys	Division	Area	System	Class
F08	030022	BL2	B2MNSO		U	ML4
Equipment:		FAN	VID-002			

Name : VARIABLE FREQUENCY DRIVE

Equip Tag:

Loc Desc : 03-0022 ID FAN #2

Exception Reason:

Facility: F08 Unit: 030022 Proj:
Task Title: PP 1M TA3-22 VID/VFD/FGR FILTERS

W/O Type: PM W/O Group: UTIL Task Priority: 4
Planner : 170621 SANCHEZ K F
W/O Title: PP 1M TA3-22 VID/VFD/FGR FILTERS
Written To: TA03-0022 VARIABLE FREQUENCY DRIVES VID/
Task Dspln: Due Date: 03/31/2015



Hazard: MODERATE IWD Reqmt: TASK SPECIFC



Work Order Task

00509977 01

MASTER

Date: 01/14/2015
Page: 5

Fac	Unit	Op Sys	Division	Area	System	Class
F08	030022	BL3	B3BSNO		U	ML4
Equipment:		FAN	FGR-003			

Name : FLUE GAS RECIRCULATING FAN

Equip Tag:

Loc Desc : 03-0022

Exception Reason:

Fac	Unit	Op Sys	Division	Area	System	Class
F08	030022	BL3	B3MNSO		U	ML4
Equipment:		FAN	VID-003			

Name : VARIABLE FREQUENCY DRIVE

Equip Tag:

Loc Desc : 03-0022 ID FAN #3

Exception Reason:

***** E N D O F R E P O R T *****

Cost Center: P2030A Activity : 640CL000 User Def:
Percentage : 100.000 Acct No : XU5000 7E2P0000



EST. 1943

Integrated Work Document (IWD) Part 2, FOD Requirements and Approval for Entry and Area Hazards and Controls

Non-Tenant
Activity Form

Form 2101

IWD No./Work Request No. 509911-0 Revision #: 0

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	03	22	N/A	Power Plant Bldg - Inside
FOD Designated	Name	Phone	Pager	Email
Facility Point-of-Contact	Pavlo C. de Vaca	699-8226	n/a	pfc@lanl.gov

Entry and Coordination Requirements (Check one or more of the following)

- | | |
|--|--|
| <input type="checkbox"/> No Entry/Coordination Requirements | <input type="checkbox"/> FOD-designated facility Point-of-Contact must sign IWD Part 3 |
| <input checked="" type="checkbox"/> Plan of the Day/Plan of the Week (POTD/POTW) | <input checked="" type="checkbox"/> Check in at Start of Work |
| <input type="checkbox"/> Security Clearance Requirements | <input type="checkbox"/> Work-Area Training Required |
| <input type="checkbox"/> Co-located Hazards/Concerns | <input checked="" type="checkbox"/> Work must be Scheduled |
| <input checked="" type="checkbox"/> Check out at End of Work | <input type="checkbox"/> Other Security Requirements (ex.: Cellphone, No Foreign Nationals, etc.) |
| <input type="checkbox"/> Escort Required | <input checked="" type="checkbox"/> Check out Daily |
| <input type="checkbox"/> Other Bounding Conditions | <input type="checkbox"/> Review under Authorization Basis (AB)/Safety Basis/Unreviewed Safety Question (USQ) |

Additional Comments (refer to Job Hazard Analysis [JHA] Tool Facility Notes)

All work must be approved by the Utilities FOD or OM or OS. POTD/POTW - 2:30pm Mon. thru Friday. 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. 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.

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
<input type="checkbox"/> No Work Area Hazards				

ES/H&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 (if not incorporated into the work conversation)
Ionizing Radiation Work in posted radiological areas, work with radioactive materials or work on or near radiation producing devices. Specify Hazards:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Worker Exposure Working near non-ionizing radiation, beryllium, noise, chemicals, hazardous biological materials, lead, asbestos, temperature/humidity extremes, or high explosives. Specify Hazards: Hot Piping, Potential Hot Water/Steam from pipefitting openings, Boiler Water Treatment Chemicals, Asbestos.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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 pipefitting openings where there is potential for hot water/steam release. Be aware of encapsulated asbestos. Follow L&H Asbestos program/traints 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, H&S Rep during regular working hrs. Over 100 gallons of a chemical spill leave area, and contact access. Call Serf Operators 667-8982 or by Radio Land 2 Unit 5 For mitigation cleanup process. For after-hours contact the UI Duty Officer, 699-7452 to re-assess any abnormal situation	<ul style="list-style-type: none"> P101-13 PPE P101-23 Asbestos P101-31 Hearing Conservation/Noise Program 	<ul style="list-style-type: none"> L&H PPE or equivalent Hearing protection, Site specific training Asbestos awareness
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, hot pressurized water/steam lines.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Stay within established working areas. Observe safety signage alarm lights and horns. Identify explosive hazards and follow task specific IWD if working on plant equipment or containers. Note: All T&S-22 LOTOs require independent verification and written specific procedure. If questions consult with UI system engineer, Operation Mgr. Designee, or Safety rep.	P101-13 Electrical Safety P101-3 LOTO P101-34 Pressure, Vacuum, Cryogenic System	Site Specific Training video. Electrical Safety LOTO if applicable to task.

509977-01

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:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Close-up confined space signs or markings and follow LARL Confined Space Requirements if task requires confined space entry.	P101-27 Confined Space	Confined Space Training
Elevated Work Surface Elevated work when fall protection is not provided by conventional handrail systems or required per P101-20, <u>Fall Protection Program</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Stay within established working areas, stairways and paths. Observe safety signage. Follow LARL Fall Protection Requirements if task or tools or work above 4 feet.	P101-20 v	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. Specify Hazards:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Security Requirements Specify:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Other Hazards Specify: PESTS	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Get pest control for clean up if excessive rat droppings, dead rodents, wasp nest etc in area of task activity.		

I have verified that the hazards identified above adequately identify the area hazards and that the W/M process has been applied appropriately.

FOD or Representative (Signature/Z #/Date) Approval Required

Date Approval Expires 10/30/2017


Facilities Maintenance IWD – (Facility Maintenance Activity Specific Information)

Revision # 0			Activity/Task Title: PP 1M VID/VFD/FGR FILTERS
Work Document #: (WO #/ Task) 509977-01			Planner/Preparer (Name/Z#/Date) Robert Simpson/240725 9/19/2011
TA: 03	Building: 0022	Room: N/A	Additional Location Description: VARIABLE FREQUENCY DRIVES VID/VFD/FGR

Activity Description/Overview UICS ELECTRICIANS
WORK DESCRIPTION:

LOTO OF EACH UNIT TO CLEAN INTERNALLY THE INSIDE OF EACH VFD PANEL. TASK IS TO BE DONE WITH THE USE OF COMPRESSED AIR AND A VACUUM CLEANER. REMOVE ALL DUST AND DEBRIS FROM THE ENCLOSURES.

FOLLOW ALL POSTINGS AND REQUIREMENTS FOR WORK.

POC: JOE BAUGHMAN @ 699-0207

PRECAUTIONS/LIMITATIONS/PREREQUISITES:

1. If steps cannot be completed as described, or if unforeseen situations occur, **STOP WORK**, stabilize the situation, contact your supervisor, and await further instructions before proceeding.
2. The following trainings are required for the General Hazard Section:
 - MSS Maintenance Worker, TP 10968
 - LOTO P101-3.1
 - CPR
 - ELECTRICAL SAFETY PROGRAM P101-13
3. Training to perform zero energy / pressure verification is:
 - LOTO FOR HAZARDOUS ENERGY CONTROL
4. Training to perform work in power plant for cleaning of filters:
 - OJT
 - SITE SPECIFIC
5. Contact shift head and communicate with control room attendant on job status.
 - NOTIFY SHIFT HEAD OPERATOR OF ANY LOTO TO BE PERFORMED.
6. Ensure permits required for the project have been obtained and are in the work package.
 - LOTO ATTACHMENT "B"
7. Contact Safety for any safety concerns:
 - ANTHONY MARTINEZ @ 412-8378
8. ENSURE WORK IS ON PLAN OF THE DAY, CHECK IN WITH AREA WORK CONTROL.
9. ALL FACILITY RELATED WORK DESCRIBED IN THIS WORK ORDER PACKAGE SHALL BE PERFORMED IN ACCORDANCE WITH P200 SAFEGUARDS AND SECURITY.

Los Alamos

Facilities Maintenance IWD – (Facility Maintenance Activity Specific Information)

Revision # 0			Activity/Task Title: PP IM VID/VFD/FGR FILTERS
Work Document #: (WO # / Task) 509977-01			Planner/Preparer (Name/Z#/Date) Robert Simpson/240725 9/19/2011
TA: 03	Building: 0022	Room: N/A	Additional Location Description: VARIABLE FREQUENCY DRIVES VID/VFD/FGR

GENERAL HAZARDS (identify hazards and associated controls)**The following PPE is required:**

- Safety Shoes
- Safety Glasses with side shields
- Hardhat
- Hearing protection when noise levels exceed 85 db.

Potential exposure to insulation materials, asbestos, fiberglass

- If non-encapsulated material is encountered or encapsulated material is disturbed during work activities.
STOP WORK!
- Contact a safety representative.

Uncontrolled release of hazardous energy from energized systems

- Only authorized UICS personnel will perform the work.
- Follow Power Plant LO/TO procedures when de-energizing VFD's.

240V to 600V Zero Voltage check requirements:

- Wear CAL 8+ PPE: Double-Layer switching hood.
- Class 0 Dielectric Gloves.
- FR coveralls (with an arc rating of 8 or more), hardhat, and safety glasses underneath hood.
- 2-man rule applies.
- Use UL approved voltage meter.
- No metallic objects worn.
- Voltage rated test equipment.
- Ensure no un-insulated body part enters prohibited space.
- Voltage rated tools.

Less than 240V Zero Voltage check requirements:

- Use UL approved voltage meter
- Class "0" Dielectric Gloves
- FR clothing, minimum arc-rating of 4 cal for voltage of < 240 V (long sleeve shirt, pants **or** coveralls, face shield)
- FR Protective Equipment (hard hat, safety glasses or safety goggles, hearing protection).
- No metallic objects worn.
- Voltage rated test equipment.
- Ensure no un-insulated body part enters prohibited space.
- Voltage rated tools.

I. BARRICADE the work area.**⚠ CAUTION****CHECK IN WITH POWER PLANT OPERATIONS AND SHIFTHEAD**

Los Alamos <small>PLASMA LABORATORY</small>				Facilities Maintenance IWD – (Facility Maintenance Activity Specific Information)	
Revision # 0			Activity/Task Title: PP 1M VID/VFD/FGR FILTERS		
Work Document #: (WO # / Task) 509977-01			Planner/Preparer (Name/Z#/Date) Robert Simpson/240725 9/19/2011		
TA: 03	Building: 0022	Room: N/A	Additional Location Description: VARIABLE FREQUENCY DRIVES VID/VFD/FGR		

WARNING

Possible contact with energized systems

NOTE:

LO /TO DEVICES SHALL BE APPLIED IN ACCORDANCE WITH THE REQUIREMENTS OF P101-3.1 SECTION 1.1 "LOCKOUT / TAGOUT FOR HAZARDOUS ENERGY CONTROL, RED LOCK LOCKOUT TAGOUT PROCEDURE. ATTACHMENT "B".

2. **LO/TO** circuit for VID-001, VID-002, VID-003, VFD-002, FGR-001, FGR-002 & FGR-003 per the work order checklist.

- Class 1.3b, **Mode "0"**
- Utilize LO/TO attachment "B"
- Nonmelting or Untreated Natural Fiber
- Shirt (long sleeve)
- Pants (long)
- Safety Glasses
- Hearing Protection (ear canal inserts)
- Leather Gloves

3. **VERIFY "zero" voltage** at the Control Panel.

240V to 600V Zero Voltage check requirements:

- Class 1.3b
- **Mode "1"**, establishing an electrically safe work condition.
- Two Man Rule
- Nonmelting or Untreated Natural Fiber
- Shirt (long sleeve)
- Pants (long)
- Safety Glasses
- Hearing Protection (ear canal inserts)
- Leather Gloves
- Class "0" Dielectric Gloves
- Dielectric Glove Expiration Date: _____
- Ensure that voltage meters have been properly tolerance tested prior to use. Expiration Date _____

4. **CLEAN** internals of VID-001, VID-002, VID-003, VFD-002, FGR-001, FGR-002 & FGR-003.

5. **CHECK** all wiring.

Los Alamos NATIONAL LABORATORY				Facilities Maintenance IWD – (Facility Maintenance Activity Specific Information)	
Revision # 0			Activity/Task Title: PP IM VID/VFD/FGR FILTERS		
Work Document #: (WO # / Task) 509977-01			Planner/Preparer (Name/Z#/Date) Robert Simpson/240725 9/19/2011		
TA: 03	Building: 0022	Room: N/A	Additional Location Description: VARIABLE FREQUENCY DRIVES VID/VFD/FGR		

NOTE:

LO/TO DEVICES SHALL BE REMOVED IN ACCORDANCE WITH THE REQUIREMENTS OF P101-3.1 SECTION 1.1 "LOCKOUT / TAGOUT FOR HAZARDOUS ENERGY CONTROL, RED LOCK LOCKOUT / TAGOUT PROCEDURE. ATTACHMENT "B".

6. RELEASE LOTO and RETURN equipment to its normal operational configuration.


- Class 1.3b. **Mode "0"**
- Utilize LO/TO attachment "B"
- Nonmelting or Untreated Natural Fiber
- Shirt (long sleeve)
- Pants (long)
- Safety Glasses
- Hearing Protection (ear canal inserts)

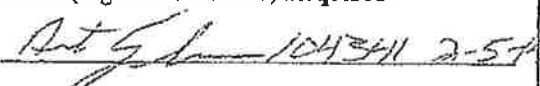
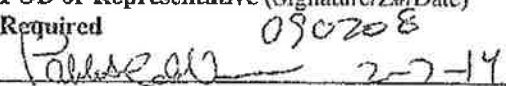

7. NOTIFY OPERATIONS SHIFTHEAD that the work is complete.

8. VERIFY proper operation.

9. CLEAN the work area and dispose of all work generated debris.

10. CONTACT the Superintendent / Supervisor and inform them the work is completed. Complete all the required documentation and return the Master Work Package to the Work Control Center Office.

 Facilities Maintenance IWD - (Facility Maintenance Activity Specific Information)			
Revision # 0		Activity/Task Title: PP 1M VID/VFD/FGR FILTERS	
Work Document #: (WO # / Task) 509977-01		Planner/Preparer (Name/Z#/Date) Robert Simpson/240725 9/19/2011	
TA: 03	Building: 0022	Room: N/A	Additional Location Description: VARIABLE FREQUENCY DRIVES VID/VFD/FGR

Insert Rows above for additional Tasks/Steps or attach pages to clearly communicate ESH&Q/S&S hazards and associated controls.	The RLM and FOD or Representative approve work based upon confidence that this IWD has been properly prepared, that the work will be performed within ESH&Q/S&S requirements, facility requirements and capabilities, and will be performed in accordance with this IWD.	RLM (Signature/Z#/Date) Required  104341 2-5-11
		FOD or Representative (Signature/Z#/Date) Required  090208 2-7-14
		SME Review (Signature/Z#/Date) If Required
		ESO Review (Signature/Z#/Date) If Required  088508 2/11/2014
IWD Type <input checked="" type="checkbox"/> Moderate-Hazard <input type="checkbox"/> High-Hazard/Complex <input type="checkbox"/> Standing IWD	Date when RLM re-approval is required _____ Other Conditions for RE-Approval _____ (Print) Name of Primary PIC <u>Carlos Chacon</u> Name of Alternate PIC _____ Name of Alternate PIC _____	Any required classification review completed, _____ Signature/Date _____

Safety: LR 191891 2/5/14

LOT ID # 30718

W0 509977-01

1 & 2 only 3/2/15

Form 2003

Los Alamos
NATIONAL LABORATORY
EST. 1943

Attachment B
Specific Written Energy Control Procedure
P101-3, Lockout/Tagout for Hazardous Energy Control

Equipment or machinery:		Location of equipment or machinery:			
Description: PP IM VID/VFD/FLR FILTERS		TA 3	Building 22	Room No. A11	Other
Name of Equipment Owner/Operator: Table CE DE VACA		Organization/Contact Information:			
List energy sources (refer to P101-3, Lockout/Tagout for Hazardous Energy Control, Attachment A, Simple Energy Control Procedure Lockout/Tagout Tag, if used):					
1. ELECTRICAL	4. _____				
2. _____	5. _____				
3. _____	6. _____				
Identify associated energy-isolation devices (circuit breakers, disconnects, valves, slide gates, slip blinds, blocks, etc.):					
Energy-Isolation Device Identification	Location	Required Position			
1. POWER CTR #1	Main Floor	OFF			
ID FAN #1 CKT-9					
2. FD FAN CKT-1A	Main Floor	OFF			
FLR FAN CKT-2B					
3. POWER CTR #2	Main Floor	OFF			
ID FAN CKT #9					
4. FD FAN CKT #10	Main Floor	OFF			
FLR FAN CKT #2B					
5. POWER CTR #3	Main Floor	OFF			
ID FAN CKT #9					
6. FD FAN CKT #1A	Main Floor	OFF			
Group Lockout/Tagout? Yes _____ No <input checked="" type="checkbox"/>		Shift or personnel change? Yes _____ No <input checked="" type="checkbox"/>			
If yes, identify lead authorized worker:		If shift or personnel change, identify other lead authorized worker			
Independent verification required (contact Facility Operations Director/designee for determination)? Yes _____ No _____					
List of Authorized Worker(s)	Z-Number	List of Authorized Worker(s)	Z-Number		
1. Samuel R. Dineen	170122	5. Gregory L. Donnelly	179352		
2. _____	_____	6. _____	_____		
3. Garry Cabresula	255412	7. _____	_____		

4.	8.
Facility Operations Director/Designee Approval	
Name <i>Laurence Chavez</i>	Signature <i>Laurence Chavez</i>
Z-Number <i>186190</i>	

Describe in detail, where necessary, how each of the required steps of the lockout/tagout procedure will be accomplished:

1. Evaluate energy sources and identify energy isolation devices for each source. List above.
2. Legibly complete all of the information on the lockout/tagout tag.
3. Who is your employer? (check one box)

☒ LANS (complete Section 1 below)
☐ Subcontractor (complete Section 2 below)

LANS employee, Section 1

Contact owner/operator. Owner/operator will determine who notifies affected worker.
Check one box:

☐ Authorized or lead authorized worker will notify affected workers
 I accept control of this equipment for maintenance and servicing. I will notify the affected workers before starting up and before removing locks at the completion of the work

☐ Owner/operator will notify affected workers
 I accept responsibility for notifying all affected workers before shutdown and start of equipment.

The owner/operator has determined that the affected workers are

Signature of Authorized or Lead Authorized Worker	Z-Number	Date
Signature of Owner/Operator <i>Mark Spauld</i>	<i>094113</i>	<i>3-20-15</i>

The owner/operator must be notified personally before any testing, positioning, or restart of equipment.

The owner/operator must be notified personally before start of equipment.

Yes *MS* Initial

Yes *MS* Initial

No _____ Initial

No _____ Initial

Subcontractor, Section 2

Contact owner/operator. Owner/operator will notify affected workers.

☐ Owner/operator will notify affected workers.

I accept responsibility for notifying all affected workers before shutdown and start of equipment.

The owner/operator has determined that the affected workers are

Signature of Authorized or Lead Authorized Worker	Z-Number	Date
Signature of Owner/Operator	Z-Number	Date

The owner/operator must be notified personally before any testing, positioning, or restart of equipment.

Yes _____ No _____
Initial Initial

The owner/operator must be notified personally before start of equipment.

Yes _____ No _____
Initial Initial

4. Describe the specific steps for shutting down equipment or machinery (unless the equipment is already shut down). Provide the sequential steps for equipment/machinery shut down.

Contact Power Plant operations for
Permission to proceed with PM
& Shut Down Equipment.

5. Describe the method(s) of isolating the equipment from the energy source(s), including any sequencing required:

USE RED LOCIC Procedure
TO ISOLATE Electrical Energy

6. Lock and tag out the energy isolating device(s) using a Laboratory-issued red lock and tag.

7. Describe how to assess for and relieve all potentially hazardous stored or residual energy. Describe the control(s) used if there is a potential for re-accumulation of energy.

AFTER LOCKS ARE PLACED USE REQUIRED
PPE SAFETY GLASSES, CLASS ZERO ONE ELECTRIC
GLOVES HARD HAT, CALIBRATED MULTI-METER
TO ASSESS ZERO ENERGY VERIFICATION

8. Describe how to verify that the equipment has been effectively isolated from the energy source and rendered safe (see requirements in P101-3, *Lockout/Tagout for Hazardous Energy Control*, Section 3.12 *Additional Precautions for Lockout/Tagout Involving Electrical Hazards*). Include any personal protective equipment required during verification.

CALL INDEPENDENT VERIFIER AND TEST
ALL PUSH BUTTON CONTROLS. IF APPLICABLE
ALLOW TIME FOR ENERGY TO DISSIPATE
FROM CAPACITORS IN SYSTEM

9. Describe the work that will be done and any hazards/controls associated with the work. Describe method(s) for testing and/or positioning equipment upon completion of work:

PROCEED TO START PM CLEANING
EQUIPMENT & CHANGING FILTERS
WHERE ALL REQUIRED

10. Describe steps for returning equipment to service (see P101-3, *Lockout/Tagout for Hazardous Energy Control*, Table 2, *Release from Lockout/Tagout*). Provide the sequential steps for testing the equipment/machinery before removing the lockout/tagout. Include sequential steps for removing the lockout/tagout.

USE STEPS 1-6 RETURN
TO SERVICE PROCEDURE

11. Describe interfaces (if multiple crafts or organizations), how independent verification or shift change will be done, justification and actions required for tag only, and/or any other relevant information to ensure safety.

NA

Approval of this specific written procedure:

Signature of Owner/Operator

[Signature]

Date

3-20-15

Independent verification by a second authorized worker who does not perform the work. Upon removal from service, checks that hazardous energy has been rendered safe (if required by Facility Operations Director/designee).

Signature of Independent Verifier

[Signature]

Date

3-20-15

Independent verification by a second authorized worker who does not perform the work. Upon restoration to service, this second worker checks that release from lockout/tagout and reliable operation is achieved (if required by Facility Operations Director/designee).

Signature of Independent Verifier

[Signature]

Date

3-24-15



Integrated Work Document (IWD) Part 3, Validation and Work Release

IWD #: 509977-01 Revision #: _____ Work Release

By signing below, I verify this activity is compatible with current facility configuration and operating conditions.

FOD designated Ops Mgr or other facility point-of-contact for work area

Signature/Z#/Date (If required by FOD): _____

Note: For Standing IWD, release may be given concurrently with signatures on Part 2.

By signing below, I have verified the following:

- I have verified authorization by ensuring approval signatures of the RLM and FOD.
- I have jointly conducted a validation walkdown with workers to confirm the IWD can be performed as written, required initial conditions and other prerequisites are in-place.
- The assigned workers are authorized and are qualified to perform the work in a safe, secure, and environmentally responsible manner.
- I have conducted the pre-job briefing, and all workers have been briefed.
- I have ensured coordination with any required FOD work-area representatives (e.g., area work coordinators).

Primary PIC (Signature/Z#/Date) Required: _____

Alternate PIC Signatures acknowledges PIC authority is assumed for the first time (Note: Alternate PICs are required to sign only once, but formal handoff includes conferring with previous PIC to obtain all required information associated with the handoff).

Alternate PIC (Signature/Z#/Date) Required: _____

Alternate PIC (Signature/Z#/Date) Required: _____

Pre-Job Brief Content

- What are the critical steps or phases of this activity?
- How can we make a mistake at that point?
- What is the worst thing that can go wrong?
- What controls, preventive measures, and bounding conditions are needed?
- What work permits are required and how will we meet their requirements?
- What are the handoffs and coordination requirements among workers and multiple PICs?
- Are there hold-points including those that require sign-offs?
- What are the pause/stop work responsibilities and expectations (e.g. for unanticipated conditions or hazards)?
- How would we respond to alarms and emergencies?
- Are there lessons learned from previous similar work?
- Is other information needed to perform this activity in a safe, secure, and environmentally responsible manner?
- Does everyone agree to the work tasks/steps, hazards, and controls and commit to follow them?

Pre-Job Brief Attendance Roster

By signing below as required, I agree to the following:

- I agree to follow the work steps and implement the controls as written as applicable to my work assignments.
- I agree to pause/stop work when conditions or hazards change or when I encounter unexpected conditions during the execution of work, or when work cannot be performed as written, or instructions become unclear during execution.
- I confirm that I am authorized, qualified, and fit to perform the work.

Worker (Signature/Z#/Date)

Danyel Calleseda 255412 3/20/15

Worker (Signature/Z#/Date)

Paulina Dora 170722 3/20/15

Worker (Signature/Z#/Date)

Worker (Signature/Z#/Date)

Worker (Signature/Z#/Date)

Worker (Signature/Z#/Date)

Worker (Signature/Z#/Date)

Worker (Signature/Z#/Date)

Worker (Signature/Z#/Date)



AP-WORK-002: Attachment 11
Maintenance and Site Services
Work Completion Form

Work Order/Task: 509977-01

Start Date: 3-19-15

Completion Date: 3-25-15

SUMMARIZE THE WORK PERFORMED

Date

3/19/15

I went inside steam plant and talked to operator about PM on VID, VFD, FGR Boilers 1, 2, 3 got some Fantastic from TAB002 then changed and cleaned filters on ID Fans 1 & 2

3/23/15

Cleared internals on ID, FO, & FGR #2. Also cleaned externals on ID & FGR #3.

3/24/15

Completed Internals on #3

FOR CORRECTIVE WORK - WHAT FAILED AND WHAT WAS FIXED

FOR PMs - SUMMARIZE AS FOUND AND AS LEFT CONDITIONS BELOW

As found

Dirty & Functional

As left

Clean & Functional

Parts/Repairs

Read/meas.

Post test info.

Problems Encountered (delays, safety, etc.): NONE

Lessons Learned/Recommendations: NONE

Name: Garry B. Cabeuela
Gregory Donnelly
Rubio P. P. P.

Signature: Garry B. Cabeuela
Gregory Donnelly
Rubio P. P. P.

Date: 3/19/15
3/23/15
3/23/15

PIC/SUPT

☒ PM has been completed in its entirety and ready for closure.

IF A PM COULD NOT BE COMPLETED:

☐ Percentage complete is _____%

☐ Sections that did not work and need to be rescheduled

Reasons why: _____

MAINTENANCE COORDINATOR/AREA WORK COORDINATOR

Work Package is Complete and may be closed out: YES ☒ NO ☐

IF no: State Reason _____

Additional Work Needed? ☐ YES ☒ NO

Document UP/WO/FSR Number: _____

ENGINEERING (FOR MD and CD Work Orders)

IF a configuration baseline has been changed, THEN indicate the changes are to be incorporated into the following documents and/or configuration baseline:

☐ Drawings

☐ FDD/SDD

☐ Procedures

☐ Master Equipment List

☐ Permits *n/a*

☐ Checklists

SE Name: _____

Signature: _____

Date: _____

WORK CONTROL

Moderate/High Hazard – WMC/Planner reviewed for Lessons Learned/Feedback

☒ YES

☐ NO

N/A ☐

☒ Review of the completed work package is complete per AP-WORK-005, and the work package is ready to be set to complete in CMMS.

BHS *Sunder* *RHS* *Seg* *3/25/15*

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 : 170621 SANCHEZ K F
W/O Title: PP 1M TA3-22 FGR BEARINGS, LUBRICATE
Written To: TA03-0022 FAN, FLUE GAS RECIRCULING (FGR
Task Dspln: Due Date: 04/30/2015



4/9

Hazard: LOW IWD Reqmt: N/A LOW HZRD



Work Order Task

00511930 01

MASTER

Date: 02/03/2015

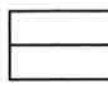

Page: 1

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 :  
Complete Notice :  

Start Date: 2/2/15 
Complete Date: 4/14/15 

NOTE:

* Refer to attached Form 2101 - Non-Tenant Activity Form - or Form 2102-
Tenant Activity Form - for a description of site specific training or
escort and access requirements.

Work Order Task Instructions

FURTHER INSTRUCTIONS/DETAILS
PERFORM UMI AS PER UM 76-39-014

QC Requirements/Comments

Rework Reason/Cause

CDSG CUSTOMER DESIGN
IMCW IMPROPER CONSTRUCTION/WORKMANSHIP
IMDN IMPROPER DESIGN
PDMS PARTS/MATERIAL DID NOT MEET SPECIFICATIONS

(Y/N)

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 : 170621 SANCHEZ K F
W/O Title: PP 1M TA3-22 FGR BEARINGS, LUBRICATE
Written To: TA03-0022 FAN, FLUE GAS RECIRCULING (FGR
Task Dspln: Due Date: 04/30/2015



Hazard: LOW IWD Reqmt: N/A LOW HZRD



Work Order Task

00511930 01

MASTER

Date: 02/03/2015

Page: 2

WR WARRANTY REWORK/REPAIR

Date: Hours: Crew: Shift:

Comments:

Rework/Approval

Deficiency Tag No.: Loc: Tag Removed:
Rework Job : N Comments:

Trouble Found/Work Performed

Continued on Additional Sheets? :

Work Delay Reason

				(Y/N)
A ACCESS	Date: <input type="text"/>	Hours: <input type="text"/>	Crew: <input type="text"/>	<input type="text"/>
EQPT EQUIPMENT	Date: <input type="text"/>	Hours: <input type="text"/>	Crew: <input type="text"/>	<input type="text"/>
MISC MISCELLANEOUS	Date: <input type="text"/>	Hours: <input type="text"/>	Crew: <input type="text"/>	<input type="text"/>
OPS OPERATIONS	Date: <input type="text"/>	Hours: <input type="text"/>	Crew: <input type="text"/>	<input type="text"/>
P POOR PLANNING	Date: <input type="text"/>	Hours: <input type="text"/>	Crew: <input type="text"/>	<input type="text"/>
S SAFETY	Date: <input type="text"/>	Hours: <input type="text"/>	Crew: <input type="text"/>	<input type="text"/>
SCH SCHEDULING	Date: <input type="text"/>	Hours: <input type="text"/>	Crew: <input type="text"/>	<input type="text"/>
T TRAVEL	Date: <input type="text"/>	Hours: <input type="text"/>	Crew: <input type="text"/>	<input type="text"/>

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 : 170621 SANCHEZ K F
W/O Title: PP 1M TA3-22 FGR BEARINGS, LUBRICATE
Written To: TA03-0022 FAN, FLUE GAS RECIRCULING (FGR)
Task Dspln: Due Date: 04/30/2015



Hazard: LOW IWD Reqmt: N/A LOW HZRD



Work Order Task

00511930 01

MASTER

Date: 02/03/2015
Page: 3

W WEATHER ☐
Date: Hours: Crew: Shift:
Comments:

Major Failure/Action Taken

Major Failure : Action Taken :
Deficiency Tag Loc: Removed (Y/N):
Deficiency Tag No.: Limited Cond Operation:

Work Completion Signatures

Name	Function/Dept.	Date
	406-65 / MAINT	4-13-15

Comments:
(rework?)

Equipment List Exceptions

Equip List	Rev	Equip List Description				
SM22 FGR	000	TA03-0022 FAN, FLUE GAS RECIRCULATING				
Fac	Unit	Op Sys	Division	Area	System	Class
F08	030022	BL1	B1BSWT		U	ML4
Equipment:		FAN	FGR-001			
Name : FAN, FLUE GAS RECIRCULATING						
Equip Tag:						
Loc Desc : 03-0022						
Exception Reason: <input type="text"/>						

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 : 170621 SANCHEZ K F
W/O Title: PP 1M TA3-22 FGR BEARINGS, LUBRICATE
Written To: TA03-0022 FAN, FLUE GAS RECIRCULING (FGR
Task Dspln: Due Date: 04/30/2015



Hazard: LOW IWD Reqmt: N/A LOW HZRD



Work Order Task

00511930 01

MASTER

Date: 02/03/2015

Page: 4

Fac	Unit	Op Sys	Division	Area	System	Class
F08	030022	BL2	B2BSNO		U	ML4
Equipment:		FAN	FGR-002			

Name : FLUE GAS RECIRCULATING FAN

Equip Tag:

Loc Desc : 03-0022

Exception Reason:

Fac	Unit	Op Sys	Division	Area	System	Class
F08	030022	BL3	B3BSNO		U	ML4
Equipment:		FAN	FGR-003			

Name : FLUE GAS RECIRCULATING FAN

Equip Tag:

Loc Desc : 03-0022

Exception Reason:

Cost Center: P2030A
Percentage : 100.000

Activity : 640CL000
Acct No : XU5000

User Def:
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 : 170621 SANCHEZ K F
W/O Title: PP 1M TA3-22 FGR BEARINGS, LUBRICATE
Written To: TA03-0022 FAN, FLUE GAS RECIRCULING (FGR
Task Dspln: Due Date: 04/30/2015



Hazard: LOW IWD Reqmt: N/A LOW HZRD



Work Order Task

00511930 01

MASTER

Date: 02/03/2015

Page: 5

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:

Print Request - Work Order Documents

Facility	Type/Subtype	Document Number	Sheet	Image Addr
F08	PROC PMI	76-39-014		
SERVICING INDUCED & FORCED DRAFT & FLUE GAS				

References/Document Information

Type/Subtyp: PROC PMI	Number: 76-39-014	Sheet:
Title/Desc : SERVICING INDUCED & FORCED DRAFT & FLUE GAS		Image: N

***** E N D O F R E P O R T *****

**Integrated Work Document (IWD) Part 2,
FOD Requirements and Approval for Entry and Area Hazards and Controls**

Form 2101
Non-Tenant
Activity Form

IWD No./Work Request No: 51930-01 Revision #: 0

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	Bldg.	22	Room	Other Location
FOD Designated	03	Name	Phone	N/A	Power Plant Bldg - Inside	
Facility Point-of-Contact		Pablo C de Vaca	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-Area Training Required
- ☒ Work must be Scheduled
- ☒ Check in Daily
- ☐ Other Security Requirements (ex.: Cellphone, No Foreign Nationals, etc.)
- ☒ Quality Issues
- ☒ Check out Daily
- ☐ Review under Authorization Basis (AB)/Safety Basis/Unreviewed Safety Question (USQ)

Additional Comments (refer to Job Hazard Analysis [JHA] Tool Facility Notes)

All work must be approved by the Utilities FOD or OM or OS. POD/POTW: 2:30pm Mon. thru Friday. 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. All personnel entering area must view the site specific training video in room 11b (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 (FOD, ESH, S&S, etc.)
<input type="checkbox"/> No Work Area Hazards				

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 (P200, appropriate work authorization, See Appendix 1)
Ionizing Radiation Work in posted radiological areas, work with radioactive materials or work on or near radiation producing devices. Specify Hazards:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Worker Exposure Working near non-ionizing radiation, beryllium, noise, chemicals, hazardous biological materials, lead, asbestos, temperature/humidity extremes, or high explosives. Specify Hazards: Hot Piping, Potential Hot Water/Steam from pipefitting openings, Boiler Water Treatment Chemicals, Asbestos.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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 pipefitting openings where there is potential for hot water/steam release. Be aware of encapsulated asbestos. Follow LANL Asbestos program/rpts 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, H&S Rep during regular working hrs. Over 100 gallons of a chemical spill leave area, and control access. Call Set Operators 667-8982 or by Radio Lanl 2 UHF 6 For mitigation cleanup process. For after-hours contact the UI Duty Officer, 699-7452 to re-assess any abnormal situation	<ul style="list-style-type: none"> P101-6 PPE P101-23 Asbestos P101-31 Hearing Conservations/Noise Program	<ul style="list-style-type: none"> LANL PPE or equivalent Hearing protection Site specific training Asbestos awareness
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, hot pressurized water/steam lines.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Stay within established working areas. Observe safety signage alarm lights and horns. Identify explosive hazards and follow task specific IWD if working on plant equipment or components. <u>Note: All TAG-22 LOTOs require independent verification and written specific procedure. If questions consult with UI system engineer, Operation Mgr. Designee, or Safety rep.</u>	P104-13 Electrical Safety P104-3 LOTO P101-34 Pressure, Vacuum, Cryogenic System	Site Specific Training video. Electrical Safety LOTO if applicable to task.

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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:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Observe confined space signs or markings and follow LAM Confined Space Requirements if task requires confined space entry.	P101-27 Confined 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	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Stay within established walking areas, stairways and paths. Observe safety signage. Follow LAM Fall Protection Requirements if task on roofs or work above 4 feet	P101-20.0	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.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Specify Hazards:				
Security Requirements Specify:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Other Hazards Specify: PESTS	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Call pest control for clean-up if excessive rat droppings, dead rodents, wasp nest, etc in area of task activity.		

I have verified that the hazards identified above adequately identify the area hazards and that the WMM process has been applied appropriately.

FOD or Representative (Signature/Z #/Date) Approval Required

Date Approval Expires 09/30/2017

[Signature] 09/20/17 11-7-17

511930-01

 UTILITY INSTITUTIONAL FACILITIES	 Los Alamos
UI-PROC-76-39-014-R1	

Maintenance Procedure

TA-03 Power Plant – Servicing Flue Gas Recirculating Fan Bearings

Review frequency: 1 yr ☐ 2 yr ☐ 3 yr ☒

Process Owner	Signature	Date
Armond Standley	<i>Armond Standley</i>	5-19-2014
Power Plant Maintenance Engineer		

Reviewed by	Signature	Date
Phil Romero	<i>Phil Romero</i>	6/9/14
ESH Manager		

Approved by	Signature	Date
Scott McBride	<i>[Signature]</i>	6/20/14
Maintenance Manager		

Reviewed by	Signature	Date
<i>Harold Salazar</i>	<i>HS</i>	6/24/14
Derivative Classifier	UNCLASSIFIED	

UNCLASSIFIED

History of Revisions

Document Number	Issue Date	Action
UI-PROC-76-39-014-R1	6/24/14	Review and reissue with changes.
UI-PROC-76-39-014-R0	01/25/11	Convert from KSL to U&I procedure. Minor changes, including title.
76-39-014 Rev. 2	07/20/06	Converted to KSL template. Format change and minor changes to content.

511930-01

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7.1	Lubricate Bearings	6
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**Utilities & Institutional Facilities
Maintenance Procedure**

TA-03 Power Plant – Servicing Flue Gas Recirculating Fan Bearings

1 Purpose

The purpose of this procedure is to provide instructions for lubricating the bearings on the Flue Gas Recirculating (FGR) Fans (FGR-001, -002, -003) located at the TA-03-22 Power Plant.

2 Scope/Applicability

1. This maintenance procedure, UI-PROC-76-39-014-R1, Servicing Flue Gas Recirculating Fan Bearings, may only be worked in conjunction with a work control package that has been processed in accordance with the requirements contained in AP-WORK-002 R10, Work Planning. The procedure may not be used as a stand-alone work control document.
2. Affected Personnel: Power Plant Maintenance Personnel

3 Prerequisites

1. Required training and qualifications:
 - a. Utilities & Institutional Facilities (UI) procedures and work control processes
 - b. The current procedure and equipment
 - c. On-the-job training (OJT)
 - d. P101-3, Lockout/Tagout for Hazardous Energy Control
 - e. P101-18, Procedure for Pause/Stop Work
2. Pre-job briefing

4 Precautions and Limitations

1. Required Personal Protective Equipment (PPE):
 - Hardhat
 - Steel-toe safety shoes
 - Safety glasses with side shields

- Hearing protection
 - Leather gloves
2. *When in operation, the FGR fan bearings should be lubricated on a biweekly basis.*
When the FGR is not in operation, DO NOT lubricate the bearings.

5 Equipment, Supplies, etc.

1. Equipment, tools, instruments
 - Grease gun with Ultralube headphones
 - Strap wrench
2. Supplies, materials, parts
 - Grease – Mobilith SHC 100

6 Responsibilities

1. Persons performing this procedure are responsible for—
 - Complying with its requirements
 - Notifying Foreman or Superintendent 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 Procedural Steps

7.1 Lubricate Bearings

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, per UI-PROC-76-21-500, Lubricating Grease-Lubed Motor Bearings.

There are two bearings on the fan, each with its own zerk plug. See Figure 1.

1. Use grease gun with the Ultralube headphones to insert the correct amount of Mobilith SHC 100 grease into zerk fitting.
 - a. Refer to UI-PROC-76-21-500, Lubricating Grease-Lubed Motor Bearings.
 - b. Apply grease while fan is running and stop when you hear the grease enter the running bearing.

Figure 1. FGR Fan Drive.
Remove the shaft guard located in the middle of the drive. The two zerk plugs are located on each of the two bearings.



Zerk plugs
on each
bearing

Shaft guard

7.2 Follow-on Tasks

1. If problems are found, immediately notify Foreman and Superintendent so corrective action can be taken.

Will corrective action be required?

☐ Yes ☒ No

2. ☒ All tasks in this procedure have been completed.


Signature

JERRY LUJAN
Print name

217001
Z-number

4-13-15
Date

This procedure is complete. Include the procedure number on the Work Documentation Form and attach signed copy of procedure to the Work Package.

8 Records

Not applicable

9 Abbreviations, Acronyms, and Terms

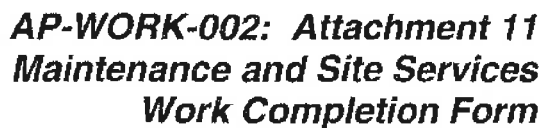
Abbreviation, Acronym, or Term	Definition
ESH	Environment, Safety, and Health
FGR	Flue Gas Recirculating
OJT	On-the-job-training
PPE	Personal Protective Equipment
UI	Utilities & Institutional Facilities

10 References

AP-WORK-002 R10, Work Planning
P101-3, Lockout/Tagout for Hazardous Energy Control
P101-18, Procedure for Pause/Stop Work
Robinson Industries, Inc., Operating & Maintenance Instructions
UI-PROC-76-21-500, Lubricating Grease-Lubed Motor Bearings

11 Appendices and Attachments

None



Start Date: 4-13-15	Completion Date: 4-13-15
SUMMARIZE THE WORK PERFORMED	
Date 4/13/15	HAD OPERATIONS LINE UP #2 + #3 FOR FANS TO LUBRICATE BEARINGS USING SCH 100 GREASE PER UI-PROC-76-39-014-R1
FOR CORRECTIVE WORK - WHAT FAILED AND WHAT WAS FIXED	
FOR PMs - SUMMARIZE AS FOUND AND AS LEFT CONDITIONS BELOW	
As found	#1 FOR FAN BEARINGS WERE GREASED
As left	DURING #1 BOILER ANNUAL MAINT.
Parts/Repairs	
Read/meas.	
Post test info.	
Problems Encountered (delays, safety, etc.):	
NONE	
Lessons Learned/Recommendations:	
NONE	
Name: JERRY LUJAN CHRIS SALAZAR	Signature: Jerry Lujan Chris Salazar
	Date: 4-13-15 4-13-15

BRIAN DEWZ

Rev. 13, Approved: 12/05/2014

Page 1 of 1

PIC/SUPT

☒ PM has been completed in its entirety and ready for closure.

IF A PM COULD NOT BE COMPLETED:

☐ Percentage complete is _____%

☐ Sections that did not work and need to be rescheduled

Reasons why:

MAINTENANCE COORDINATOR/AREA WORK COORDINATOR

Work Package is Complete and may be closed out: YES ☒ NO ☐

IF no: State Reason

Additional Work Needed? ☐ YES ☒ NO

Document UP/WO/FSR Number: _____

ENGINEERING (FOR MD and CD Work Orders)

IF a configuration baseline has been changed, THEN indicate the changes are to be incorporated into the following documents and/or configuration baseline:

☐ Drawings

☐ FDD/SDD

☐ Procedures

☐ Master Equipment List

☐ Permits

☐ Checklists

SE Name:

Signature:

Date:

WORK CONTROL

Moderate/High Hazard – WMC/Planner reviewed for Lessons Learned/Feedback

☒ YES

☐ NO

N/A ☐

☒ Review of the completed work package is complete per AP-WORK-005, and the work package is ready to be set to complete in CMMS.

[Handwritten signatures and date]
4/14/15

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 : 170621 SANCHEZ K F
W/O Title: PP 1M TA3-22 FGR BEARINGS, LUBRICATE
Written To: TA03-0022 FAN, FLUE GAS RECIRCULING (FGR)
Task Dspln: Due Date: 05/31/2015



57-518

Hazard: LOW IWD Reqmt: N/A LOW HZRD



Work Order Task

00514753 01

MASTER

Date: 03/12/2015

Page: 1

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 :  ☐ ☐
Complete Notice : ☐ ☐

Start Date: 4-8-15 ☐
Complete Date: 5/2/15 ☐

NOTE:

* Refer to attached Form 2101 - Non-Tenant Activity Form - or Form 2102-
Tenant Activity Form - for a description of site specific training or
escort and access requirements.

Work Order Task Instructions

FURTHER INSTRUCTIONS/DETAILS
PERFORM UMI AS PER UM 76-39-014

QC Requirements/Comments

Rework Reason/Cause

CDSG CUSTOMER DESIGN
IMCW IMPROPER CONSTRUCTION/WORKMANSHIP
IMDN IMPROPER DESIGN
PDMS PARTS/MATERIAL DID NOT MEET SPECIFICATIONS

(Y/N)

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

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 : 170621 SANCHEZ K F
W/O Title: PP 1M TA3-22 FGR BEARINGS, LUBRICATE
Written To: TA03-0022 FAN, FLUE GAS RECIRCULING (FGR
Task Dspln: Due Date: 05/31/2015



Hazard: LOW

IWD Reqmt: N/A LOW HZRD



Work Order Task

00514753 01

MASTER
DUPLICATE

Date: 03/12/2015

Page: 3

W WEATHER

Date: Hours: Crew: Shift:

Comments:

Major Failure/Action Taken

Major Failure : Action Taken :
Deficiency Tag Loc: Removed (Y/N):
Deficiency Tag No.: Limited Cond Operation:

Work Completion Signatures

Name	Function/Dept.	Date
	LOG-C5/PP Maint	5-11-15
<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>

Comments:
(rework?)

Equipment List Exceptions

Equip List	Rev	Equip List Description				
SM22 FGR	000	TA03-0022 FAN, FLUE GAS RECIRCULATING				
Fac	Unit	Op Sys	Division	Area	System	Class
F08	030022	BL1	B1BSWT		U	ML4
Equipment:	FAN	FGR-001				

Name : FAN, FLUE GAS RECIRCULATING

Equip Tag:

Loc Desc : 03-0022

Exception Reason:

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 : 170621 SANCHEZ K F
W/O Title: PP 1M TA3-22 FGR BEARINGS, LUBRICATE
Written To: TA03-0022 FAN, FLUE GAS RECIRCULING (FGR
Task Dspln: Due Date: 05/31/2015



Hazard: LOW IWD Reqmt: N/A LOW HZRD



Work Order Task

00514753 01

MASTER

Date: 03/11/2015

Page: 5

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:			

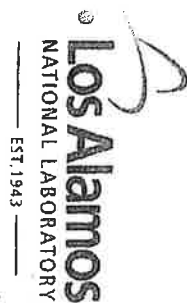
Print Request - Work Order Documents

Facility	Type/Subtype	Document Number	Sheet	Image Addr
F08	PROC PMI	76-39-014		
SERVICING INDUCED & FORCED DRAFT & FLUE GAS				

References/Document Information

Type/Subtyp:	PROC PMI	Number: 76-39-014	Sheet:
Title/Desc :	SERVICING INDUCED & FORCED DRAFT & FLUE GAS		Image: N

***** E N D O F R E P O R T *****



Integrated Work Document (IWD) Part 2,
FOD Requirements and Approval for Entry and Area Hazards and Controls

Non-Tenant
Activity Form

Form 2101

IWD No./Work Request No. 514753-01 Revision #: 0
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	03	22	N/A	Power Plant Bldg - Inside
FOD Designated	Name	Phone	Pager	Email
Facility Point-of-Contact	Pavlo C. de Vaca	699-8226	n/a	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-Area Training Required
- ☒ Work must be Scheduled
- ☐ Check in Daily
- ☐ Other Security Requirements (ex.: Cellphone, No Foreign Nationals, etc.)
- ☐ Quality Issues
- ☒ Check out Daily
- ☐ Review under Authorization Basis (AB)/Safety Basis/Unreviewed Safety Question (USQ)

Additional Comments (refer to Job Hazard Analysis [JHA] Tool Facility Notes)

All work must be approved by the Utilities FOD or OM or OS. POD/POTW - 2:30pm Mon. thru Friday. 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. 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, Integrated Work Management, Section 6.1)
<input type="checkbox"/> No Work Area Hazards				

514753-01

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:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Observe confined space signs or markings and follow LANL Confined Space Requirements if task requires confined space entry.	P101-27 Confined Space	Confined Space Training
Elevated Work Surface Elevated work when fall protection is not provided by conventional hand/rail systems or required per P101-20, <i>Fall Protection Program</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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.	P101-20.0	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. Specify Hazards:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Security Requirements Specify:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Other Hazards Specify: PESTS	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Call pest control for clean-up if excessive rat droppings, dead rodents, wasp nest, etc in area of task activity.		



I have verified that the hazards identified above adequately identify the area hazards and that the IMM process has been applied appropriately.

FOD or Representative (Signature/Z #/Date) Approval Required

John C. Davis 090208 11-7-14

Date Approval Expires 09/30/2017


514753-01

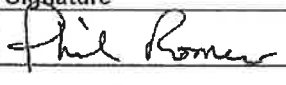
 UTILITIES AND INSTITUTIONAL FACILITIES	 Los Alamos <small>NA-22-1880-0000</small>	UI-PROC-76-39-014-R1
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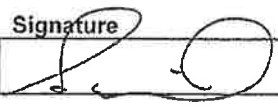
Maintenance Procedure



TA-03 Power Plant – Servicing Flue Gas Recirculating Fan Bearings

Review frequency: 1 yr ☐ 2 yr ☐ 3 yr ☒

Process Owner	Signature	Date
Armond Standley		5-19-2014
Power Plant Maintenance Engineer		

Reviewed by	Signature	Date
Phil Romero		6/9/14
ESH Manager		

Approved by	Signature	Date
Scott McBride		6/20/14
Maintenance Manager		

Reviewed by	Signature	Date
		6/24/14
Derivative Classifier	UNCLASSIFIED	

--

UNCLASSIFIED

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7	Procedural Steps	6
7.1	Lubricate Bearings	6
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**Utilities & Institutional Facilities
Maintenance Procedure**

TA-03 Power Plant – Servicing Flue Gas Recirculating Fan Bearings

1 Purpose

The purpose of this procedure is to provide instructions for lubricating the bearings on the Flue Gas Recirculating (FGR) Fans (FGR-001, -002, -003) located at the TA-03-22 Power Plant.

2 Scope/Applicability

1. This maintenance procedure, UI-PROC-76-39-014-R1, Servicing Flue Gas Recirculating Fan Bearings, may only be worked in conjunction with a work control package that has been processed in accordance with the requirements contained in AP-WORK-002 R10, Work Planning. The procedure may not be used as a stand-alone work control document.
2. Affected Personnel: Power Plant Maintenance Personnel

3 Prerequisites

1. Required training and qualifications:
 - a. Utilities & Institutional Facilities (UI) procedures and work control processes
 - b. The current procedure and equipment
 - c. On-the-job training (OJT)
 - d. P101-3, Lockout/Tagout for Hazardous Energy Control
 - e. P101-18, Procedure for Pause/Stop Work
2. Pre-job briefing

4 Precautions and Limitations

1. Required Personal Protective Equipment (PPE):
 - Hardhat
 - Steel-toe safety shoes
 - Safety glasses with side shields

There are two bearings on the fan, each with its own zerk plug. See Figure 1.

1. Use grease gun with the Ultralube headphones to insert the correct amount of Mobilith SHC 100 grease into zerk fitting.
 - a. Refer to UI-PROC-76-21-500, Lubricating Grease-Lubed Motor Bearings.
 - b. Apply grease while fan is running and stop when you hear the grease enter the running bearing.

Figure 1. FGR Fan Drive.
Remove the shaft guard located in the middle of the drive. The two zerk plugs are located on each of the two bearings.



Zerk plugs
on each
bearing

Shaft guard

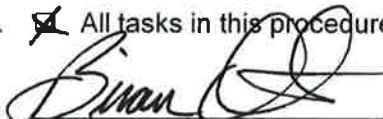
7.2 Follow-on Tasks

1. If problems are found, immediately notify Foreman and Superintendent so corrective action can be taken.

Will corrective action be required?

☐ Yes ☒ No

2. ☒ All tasks in this procedure have been completed.


Signature

195149
Z-number

BRIAN ORTIZ
Print name

5/11/15
Date

This procedure is complete. Include the procedure number on the Work Documentation Form and attach signed copy of procedure to the Work Package.



**AP-WORK-002: Attachment 11
Maintenance and Site Services
Work Completion Form**

Work Order/Task: 514753-01

Start Date: <u>5-11-15</u>	Completion Date: <u>5-11-15</u>
SUMMARIZE THE WORK PERFORMED	
Date <u>5-11-15</u>	<u>Rejob By J. Miller</u>
<u>Informed operations of Work To be done</u>	
<u>Completed Monthly FGR Fan Bearing</u>	
<u>lubrication using LMI # 7639-014</u>	
FOR CORRECTIVE WORK - WHAT FAILED AND WHAT WAS FIXED	
FOR PMs - SUMMARIZE AS FOUND AND AS LEFT CONDITIONS BELOW	
As found	
As left	
Parts/Repairs	
Read/meas.	
Post test info.	
Problems Encountered (delays, safety, etc.):	
<u>NONE</u>	
Lessons Learned/Recommendations:	
<u>NONE</u>	
Name: <u>BRIAN ORTIZ</u> <u>CHRIS SALAZAR</u>	Signature: <u>Brian Ortiz</u> <u>Chris Salazar</u> Date: <u>5-11-15</u> <u>5-11-15</u>

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 : 170621 SANCHEZ K F
W/O Title: PP 1M TA3-22 FGR BEARINGS, LUBRICATE
Written To: TA03-0022 FAN, FLUE GAS RECIRCULING (FGR
Task Dspln: Due Date: 06/30/2015



G-11
G-12

Hazard: LOW IWD Reqmt: N/A LOW HZRD



Work Order Task

00517239 01

MASTER

Date: 04/08/2015


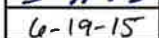
Page: 1

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 :  ☐ ☐
Complete Notice :  ☐ ☐

Start Date:  ☐
Complete Date:  ☐

NOTE:

* Refer to attached Form 2101 - Non-Tenant Activity Form - or Form 2102-
Tenant Activity Form - for a description of site specific training or
escort and access requirements.

Work Order Task Instructions

FURTHER INSTRUCTIONS/DETAILS
PERFORM UMI AS PER UM 76-39-014

QC Requirements/Comments

Rework Reason/Cause

CDSG CUSTOMER DESIGN
IMCW IMPROPER CONSTRUCTION/WORKMANSHIP
IMDN IMPROPER DESIGN
PDMS PARTS/MATERIAL DID NOT MEET SPECIFICATIONS

(Y/N)

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

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 : 170621 SANCHEZ K F
W/O Title: PP 1M TA3-22 FGR BEARINGS, LUBRICATE
Written To: TA03-0022 FAN, FLUE GAS RECIRCULING (FGR
Task Dspln: Due Date: 06/30/2015



Hazard: LOW IWD Reqmt: N/A LOW HZRD



Work Order Task

00517239 01

MASTER

Date: 04/08/2015

Page: 3

W WEATHER

Date: Hours: Crew: Shift:

Comments:

Major Failure/Action Taken

Major Failure : Action Taken :
Deficiency Tag Loc: Removed (Y/N):
Deficiency Tag No.: Limited Cond Operation:

Work Completion Signatures

Name:

Function/Dept.:

Date:

Comments:
(rework?)

Equipment List Exceptions

Equip List	Rev	Equip List Description
SM22 FGR	000	TA03-0022 FAN, FLUE GAS RECIRCULATING
Fac	Unit	Op Sys Division Area System Class
F08	030022	BL1 B1BSWT U ML4
Equipment:	FAN	FGR-001

Name : FAN, FLUE GAS RECIRCULATING

Equip Tag:

Loc Desc : 03-0022

Exception Reason:

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 : 170621 SANCHEZ K F
W/O Title: PP 1M TA3-22 FGR BEARINGS, LUBRICATE
Written To: TA03-0022 FAN, FLUE GAS RECIRCULING (FGR
Task Dspln: Due Date: 06/30/2015



Hazard: LOW IWD Reqmt: N/A LOW HZRD



Work Order Task

00517239 01

MASTER

Date: 04/08/2015

Page: 5

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:

Print Request - Work Order Documents

Facility	Type/Subtype	Document Number	Sheet	Image Addr
F08	PROC PMI	76-39-014		
SERVICING INDUCED & FORCED DRAFT & FLUE GAS				

References/Document Information

Type/Subtyp: PROC PMI	Number: 76-39-014	Sheet:
Title/Desc : SERVICING INDUCED & FORCED DRAFT & FLUE GAS		Image: N

***** END OF REPORT *****



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 (P-300, Integrated Work Management, Section 6.1)
Ionizing Radiation Work in posted radiological areas, work with radioactive materials or work on or near radiation producing devices. Specify Hazards:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Worker Exposure Working near non-ionizing radiation, beryllium, noise, chemicals, hazardous biological materials, lead, asbestos, temperature/humidity extremes, or high explosives. Specify Hazards:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Required PPE: Hard hat, safety shoes, safety glasses, hearing protection (noise > 85 dba). Avoid hot surfaces and piping. <u>Be aware of encapsulated asbestos. Be aware of chemical containers and check labeling.</u>	<ul style="list-style-type: none"> P101-6 PPE P101-23 Asbestos P101-31 Hearing Conservations/Noise Program 	<ul style="list-style-type: none"> LANL PPE or equivalent Hearing protection Site specific training Asbestos awareness
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:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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. <u>Note: All TA3-22 LOTOs require independent verification and written specific procedure.</u>	P101-13 Electrical Safety P101-3 LOTO P101-34 Pressure, Vacuum, 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:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Observe confined space signs or markings and follow LANL Confined Space Requirements if task requires confined space entry.	P101-27 Confined Space	Confined Space Training
Elevated Work Surface Elevated work when fall protection is not provided by conventional handrail systems or required per P101-20, <u>Fall Protection Program</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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.	P101-20.0	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. Specify Hazards:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Security Requirements Specify:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Other Hazards Specify: PESTS	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Call pest control for clean-up if excessive rat droppings, dead rodents, wasp nest, etc in area of task activity.		

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** S. A. C. 090208

Date Approval Expires 09/2020

517239-01

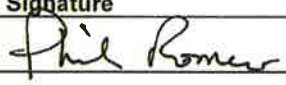
 UTILITIES AND INSTITUTIONAL FACILITIES	 Los Alamos NATIONAL LABORATORY
UI-PROC-76-39-014-R1	

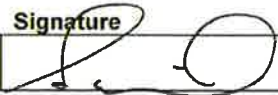
Maintenance Procedure


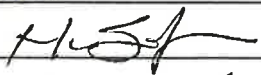
TA-03 Power Plant – Servicing Flue Gas Recirculating Fan Bearings

Review frequency: 1 yr ☐ 2 yr ☐ 3 yr ☒

Process Owner	Signature	Date
Armond Standley		5-19-2014
Power Plant Maintenance Engineer		

Reviewed by	Signature	Date
Phil Romero		6/9/14
ESH Manager		

Approved by	Signature	Date
Scott McBride		6/20/14
Maintenance Manager		

Reviewed by	Signature	Date
		6/24/14
Derivative Classifier	UNCLASSIFIED	

--

UNCLASSIFIED

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7.1	Lubricate Bearings	6
7.2	Follow-on Tasks	7
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**Utilities & Institutional Facilities
Maintenance Procedure**

TA-03 Power Plant – Servicing Flue Gas Recirculating Fan Bearings

1 Purpose

The purpose of this procedure is to provide instructions for lubricating the bearings on the Flue Gas Recirculating (FGR) Fans (FGR-001, -002, -003) located at the TA-03-22 Power Plant.

2 Scope/Applicability

1. This maintenance procedure, UI-PROC-76-39-014-R1, Servicing Flue Gas Recirculating Fan Bearings, may only be worked in conjunction with a work control package that has been processed in accordance with the requirements contained in AP-WORK-002 R10, Work Planning. The procedure may not be used as a stand-alone work control document.
2. Affected Personnel: Power Plant Maintenance Personnel

3 Prerequisites

1. Required training and qualifications:
 - a. Utilities & Institutional Facilities (UI) procedures and work control processes
 - b. The current procedure and equipment
 - c. On-the-job training (OJT)
 - d. P101-3, Lockout/Tagout for Hazardous Energy Control
 - e. P101-18, Procedure for Pause/Stop Work
2. Pre-job briefing

4 Precautions and Limitations

1. Required Personal Protective Equipment (PPE):
 - Hardhat
 - Steel-toe safety shoes
 - Safety glasses with side shields

517239-01

There are two bearings on the fan, each with its own zerk plug. See Figure 1.

1. Use grease gun with the Ultralube headphones to insert the correct amount of Mobilith SHC 100 grease into zerk fitting.
 - a. Refer to UI-PROC-76-21-500, Lubricating Grease-Lubed Motor Bearings.
 - b. Apply grease while fan is running and stop when you hear the grease enter the running bearing.

Figure 1. FGR Fan Drive.
 Remove the shaft guard located in the middle of the drive. The two zerk plugs are located on each of the two bearings.



Zerk plugs on each bearing

Shaft guard

7.2 Follow-on Tasks

1. If problems are found, immediately notify Foreman and Superintendent so corrective action can be taken.

Will corrective action be required?

☐ Yes ☒ No

2. ☒ All tasks in this procedure have been completed.

Signature

Brian O'Neil

Print name

Z-number

195149

Date

6/18/15

This procedure is complete. Include the procedure number on the Work Documentation Form and attach signed copy of procedure to the Work Package.

Mandatory Questions for All Pre-Job Briefs

The purpose of this document is to demonstrate compliance with the Release of Craft requirements directed by MSS-DO on 17 June 15. Until a formal document is institutionalized by the Work Control Group this document will be included in all work control packages (CM, PM, Planned, Unplanned, etc). Each of the questions listed below will be discussed at each Pre Job Brief with all affected personnel. Compliance will be demonstrated by the signature from the person performing the Pre Job Brief on the bottom of this document. This document is a permanent part of all work packages until further notice.

Topic	Completed (X)
Assume we are going to have an accident on this job. How did it happen? How can we prevent it?	X
What is the worst thing that can happen on this job? How can we keep it from happening?	X
What hazards will you encounter in performing this work?	X
Is there a better way to address the hazards you will encounter?	X
Have all safety issues concerning this task been addressed to your satisfaction?	X

 171769

Signature (Person Performing Pre-Job)

6/18/2015

Date

Work Order/Task: 517239-01

Start Date: <u>6-18-2015</u>		Completion Date: <u>6-18-15</u>	
SUMMARIZE THE WORK PERFORMED			
Date <u>6/18/15</u>	HAD PRE-JOB - DISCUSSED WORK TASKS & WORK TASK HAZARDS. Completed MANDATORY QUESTION BRIEF WITH CREW.		
<u>6-18-15</u>	INFORMED OPERATIONS f work to be done. HAD operations line up ALL three FGR FANS Lubricated ALL three Fan Bearings using ultra-sonic HeadPhones using UMI #76-39014 when finished informed ops.		
FOR CORRECTIVE WORK - WHAT FAILED AND WHAT WAS FIXED			
FOR PMs - SUMMARIZE AS FOUND AND AS LEFT CONDITIONS BELOW			
As found			
As left			
Parts/Repairs			
Read/meas.			
Post test info.			
Problems Encountered (delays, safety, etc.):			
<u>NONE</u>			
Lessons Learned/Recommendations:			
<u>NONE</u>			
Name: <u>BRIAN ORTIZ</u>	Signature: <u>Brian Ortiz</u>		Date: <u>6-18-15</u>
<u>CHRIS SALAZAR</u>	<u>Chris Salazar</u>		<u>6-18-15</u>

ATTACHMENT A1307.H.

TA-03 Power Plant

Combustion Turbine Emission Stack Test Report

Attachment A1307.H

TA-3 Power Plant – Combustion Turbine Emission Stack Test Report

The most recent annual emission stack test for the TA-3 Combustion Turbine was conducted on December 16, 2014. An emission stack test is not required during this reporting period (January-June 2015).