

NMED / LANL Technical Summary

May 4, 2015

LANL Technical Update:

- **Location of Nitrate Salt-Bearing Wastes**
 - Remediated nitrate salt-bearing waste containers (55 SWBs and 4 POCs).
 - All containers remain in the 375 Permacon.
- **Monitoring - Daily Temperature**
 - Temperatures remain below 90°F.
 - Previous 3 days' temperature data attached.
- **Monitoring – Visual Inspections**
 - No abnormal conditions were observed.
- **Monitoring – headspace gas (HSG)**
 - Containers (SWBs) 68685 and SB50522.
 - Continue daily head space gas (HSG) sample collection.
 - May 4, 2015 HSG data attached.
 - H₂, CO, CO₂ and N₂O.
 - Other containers:
 - A minimum of once per month HSG sampling will be conducted.
 - To date in May, LANL has conducted HSG sampling on 19 containers.
- **Additional measures currently underway**
 - As a conservative measure, LANL is currently conducting additional monitoring. This additional monitoring includes:
 - Containers (SWB) 68685 and SB50522.
 - LANL continuing *solid phase micro-extraction*.
 - Hourly temperature measurements are currently being performed on SWB 68685 and SB50522.
 - Five other SWB overpacks (containing 55-gallon drums of remediated nitrate salt-bearing waste) and four nitrate salt-bearing waste POCs.
 - Twice-weekly HSG sample collection.
 - May 4, 2015 HSG data attached.
 - H₂, CO, CO₂ and N₂O
- **Anticipated Changes to Nitrate Salt-Bearing Waste Containers (e.g. movement, re-packaging)**
 - Currently, no further movements or re-packaging are occurring.

Other:

- Monitoring of the unremediated nitrate salt-bearing waste containers ceased on May 4, 2015.

Next Call: Tuesday, May 5, 2015

Summary Chart - Requested Information / Pending Issues:

	Requested Information	Actionee	Status	Completion Date
1.	NMED contact / process for LANL to notify NMED under the Revised Isolation Plan (e.g., 24 hour notices).	NMED	---	Complete June 5, 2014
2.	Keep NMED informed on the status of on-going chemistry / analytical work.	LANL	---	Complete June 9, 2014
3.	On upcoming daily call, provide additional discussion on the potential for liquids in the 350 post-1991 cemented containers (including a discussion of the review of RTR tapes).	LANL	---	Complete July 6, 2014 (Discussion on call) July 18, 2014 (Meeting held)
4.	On upcoming call, provide additional discussion on why 231 and 375 Permacon fire suppression systems are not part of the LANL RCRA Hazardous Waste Facility Permit Contingency Plan.	LANL	---	Complete June 5, 2014
5.	Send copy of June 4, 2014 written daily submission to Trais Kliphuis. Also, include her on future daily submissions.	LANL	---	Complete June 5, 2014
6.	Provide LANL procedures and example records associated with post-1991 TA-55 cementation process discussed on June 6.	LANL	---	Complete July 3, 2014
7.	Provide information on numbers of containers in the post-1991 cemented waste streams from the TA-55 process discussed on June 6. This should include numbers regarding RTR status (RTR'd, meet WIPP criteria, requiring remediation).	LANL	---	Complete June 17, 2014 (Supplemental Info provided July 3)
8.	Provide RTR video and pre-screening information associated with those containers requiring remediation from the post-1991 cemented waste streams from the TA-55 process discussed on June 6.	LANL	---	Complete July 3, 2014
9.	Provide copy of CCP/LANL Interface Document.	LANL	---	Complete June 9, 2014
10.	Provide a list of the analytes for which LANL is sampling HSG (CO ₂ and LFL analytes).	LANL	---	Complete June 11, 2014
11.	Discuss potential sampling of HSG for NO _x .	LANL	---	Complete June 16, 2014

	Requested Information	Actionee	Status	Completion Date
12.	Follow-up with Tim Hall regarding LANL Hazardous Waste Facility Permit and procedures that LANL is developing for possible future sampling of empty parent containers and unremediated nitrate salt-bearing containers at LANL.	LANL	---	<p>Complete</p> <p>Empty Parent June 16, 2014</p> <p>Unremediated August 14, 2014 (Supplemental information discussed on sampling of parent containers)</p> <p>August 26, 2014 (Letter on applicability of LANL HWFP for opening waste containers)</p>

	Requested Information	Actionee	Status	Completion Date
13.	<p>Respond to NMED email request for information associated with the nitrate salt-bearing parent and daughter waste containers.</p> <p>WIPP Recovery Daily Meeting Action List item #84 – NMED requested a copy of the LANL remediation records for waste stored in Panel 6 (Trais Kliphuis) – is a subset of the information in item 5 of this action.</p>	LANL	---	<p>Complete</p> <p>July 9, 2014 (Letter sent addressing items 1-4 and 6-9 of the email request)</p> <p>July 17, 2014 (Letter sent with updated spreadsheet)</p> <p>August 7, 2014 (First submittal in response to item 5)</p> <p>August 14, 2014 (Letter addressing items 2 & 8 - Second submittal in response to item 5)</p> <p>August 18, 2014 (Third submittal in response to item 5)</p> <p>August 21, 2014 (Fourth submittal in response to item 5)</p> <p>August 27, 2014 (Fifth submittal in response to item 5)</p> <p>September 4, 2014 (Sixth submittal in response to item 5)</p> <p>September 9, 2014 (Seventh submittal in response to item 5)</p> <p>September 11, 2014 (Eighth submittal in response to item 5)</p> <p>September 22, 2014 (Ninth submittal in response to item 5)</p> <p>September 23, 2014 (Tenth submittal in response to item 5)</p> <p>October 1, 2014 (Eleventh submittal in response to item 5)</p> <p>October 8, 2014 (Twelfth submittal in response to item 5)</p> <p>October 16, 2014 (Thirteenth submittal in response to item 5)</p> <p>October 23, 2014 (Fourteenth submittal in response to item 5)</p> <p>October 27, 2014 (Fifteenth submittal in response to item 5)</p> <p>October 28, 2014 (Sixteenth submittal in response to item 5)</p> <p>November 3, 2014 (Seventeenth submittal in response to item 5)</p>

	Requested Information	Actionee	Status	Completion Date
14.	NMED will review the Round Sheets (provided in June 11 summary) and inform LANL if these should be attachments to the Revised Plan, or if they fall under the provision in Section I of the Revised Isolation Plan and their identification during this technical call is sufficient.	NMED	NMED has reviewed Round Sheets – no comments / direction at this time. NMED will address any comments in their formal response to Revised Container Isolation Plan.	Complete June 23, 2014
15.	NMED has requested ‘copies of any waste processing, treatment, characterization stop orders issued since Feb 14, 2014.’	LANL	---	Complete June 13, 2014 (Included w/ daily summary) June 16, 2014 (Discussed current TA-54 & WCRRF operations)
16.	NMED requested information on the location of drums 68327 and 68328. Request made June 14.	LANL	---	Complete June 14, 2014
17.	Update on LANL efforts – including LANL teams. (On June 20 call, LANL offered to schedule an update meeting).	LANL / NMED	---	Complete July 2, 2014
18.	Neutralizer use in association with container S855793 (parent of 68660 and 68685).	LANL	---	Complete June 25, 2014
19.	List of nitrate salt-bearing waste containers that LANL records indicate contain absorbed liquids with the same neutralizer, as discussed during June 25 technical call.	LANL	---	Complete September 30, 2014 (with August 26, 2014 response)
20.	Schedule follow-on update on LANL efforts – including teams.	LANL / NMED	---	Complete August 14, 2014 (Meeting held)
21.	NMED requested information on document approval / review (as discussed on July 3 call).	LANL	---	Complete July 29, 2014
22.	What analyses will be conducted on samples taken from empty drums that previously contained nitrate salt-bearing waste.	LANL	---	Complete July 7, 2014
23.	NMED requested the following information on cemented waste containers generated from TA-55, that are currently stored above-ground at Area G: container id number; location; form (cans or monoliths); and type of concrete. Additionally, NMED requested information on pH adjustment during waste generation process, and information on anticipated pH of free liquids (and rationale).	LANL	---	Complete July 17, 2014 (Letter sent w/ information) July 18, 2014 (Meeting held)

	Requested Information	Actionee	Status	Completion Date
24.	NMED requested the procedure for sampling empty parent drums that previously contained nitrate salt-bearing waste.	LANL	EP-AREAG-WO-DOP-1245 is included in Enclosure 1 to LANL's July 3, 2014 <i>Response to Request for Information on Management of Waste at LANL.</i>	Complete July 8, 2014
25.	NMED requested an additional discussion on a future technical call regarding CO ₂ , including data.	LANL	---	Complete August 14, 2014 (Meeting held)
26.	NMED requested additional discussion on CIN-01 waste containers and absorbent, including confirmation and extent of use.	LANL	---	Complete July 18, 2014 (Meeting held)
27.	NMED requested historic analytical information on pH of liquids associated with gypsum cemented waste.	LANL	---	Complete August 7, 2014
28.	NMED requested link to pdf of Actinide Quarterly edition (3 rd Q 2008).	LANL	---	Complete July 21, 2014
29.	NMED requested a copy of lessons learned	LANL	---	Complete August 11, 2014
30.	NMED request regarding empty drum sampling presentation.	LANL	Presentation is a pre-decisional draft/working document not for external release	August 25, 2014
31.	Respond to NMED email request dated 8/12/2014 for information associated with the nitrate salt-bearing waste containers.	LANL	---	Complete September 11, 2014
32.	NMED request regarding technical presentation.	LANL	Presentation is a pre-decisional draft/working document not for external release	August 25, 2014
33.	NMED request regarding literature review of catalytic reactions.	LANL	Literature review is a pre-decisional draft/working document not for external release	August 25, 2014
34.	LANL requested to schedule a meeting with NMED on remediation planning and schedules.	LANL / NMED	---	Complete September 29, 2014 (meeting held)
35.	Schedule a third update on LANL efforts – including teams.	LANL / NMED	---	Complete October 20, 2014

	Requested Information	Actionee	Status	Completion Date
36.	NMED request regarding LANL Causal Analysis associated with processing of nitrate salt-bearing waste at WCRRF – when document is Final.	LANL	Document is currently Draft.	
37.	NMED requested a diagram illustrating the current locations within the 375 Permacon of the 55 SWBs that contain the 57 remediated nitrate salt-bearing waste containers. NMED also requested a list of these 55 SWBs and the waste drums within each SWB (including the container numbers and waste stream type).	LANL	---	Complete October 27, 2014 (Diagram submitted) November 3, 2014 (Table submitted) November 20, 2014 (Revised table submitted)

	Requested Information	Actionee	Status	Completion Date
38.	NMED requested documentation regarding CIN01.001 waste containers that are not part of the September 19, 2014 Nitrate Salts-Bearing Waste Container Isolation Plan, Revision 2.	LANL	In Progress LANL will submit this documentation in batches as it is becomes available.	Submitted 100 out of 586 RTRs and documentation on October 3, 2014. Submitted documentation for 101-200 containers on October 10, 2014. Submitted documentation for 201-300 containers on October 16, 2014. Submitted documentation for 301-400 containers on October 23, 2014. Submitted documentation for 401-500 containers on October 27, 2014. Submitted documentation for 501-586 containers on November 12, 2014. Submitted RTR Videos 101-150 on November 12, 2014. Submitted RTR Videos 151-200 on November 20, 2014. Submitted RTR Videos 201-250 on December 1, 2014. Submitted RTR Videos 251-300 on December 19, 2014. Submitted RTR Videos 301-312 on January 15, 2015.
39.	NMED requested a diagram of the location of the thermocouples on 68685 and SB50522.	LANL	---	Complete October 27, 2014
40.	NMED requested a copy of the safety basis document for remediation planning when it is finalized.	LANL	Document is currently in Draft.	
41.	Trending and correlation of temperature and HSG monitoring data.	LANL	In progress	
42.	Schedule a fourth update on LANL efforts – including teams.	LANL/ NMED	---	Complete November 3, 2014

	Requested Information	Actionee	Status	Completion Date
43.	Schedule a fifth update on LANL efforts – including teams.	LANL/ NMED	---	Complete November 20, 2014
44.	Schedule a sixth update on LANL efforts – including teams.	LANL/ NMED	---	Complete December 9, 2014
45.	NMED requested documentation regarding CIN01 drums.	LANL	---	Complete Email- February 3, 2015 Letter- February 19, 2015
46.	NMED requested documentation regarding duplicate drum number.	LANL	In progress	
47.	NMED requested the ESS plan for temperature control and sampling once finalized.	LANL	Document is currently in Draft.	
48.	Schedule a seventh update on LANL efforts – including teams.	LANL/ NMED	---	Complete January 29, 2015
49.	Fire suppression repair plan for Dome 231	LANL	---	This repair plan is no longer necessary because drum movement did not occur during the repair process. Repair is complete.
50.	NMED requested information regarding solution packages 36, 37, 57 and 78.	LANL	---	Complete. Email – February 17, 2015. Letter- March 19, 2015.
51.	NMED requested copies of any procedures regarding cementation in bags.	LANL	---	March 19, 2015 Confirmation that no specific procedure can be located for cementation in bags.
52.	NMED requested information on the percentage of the 55 SWBs that, based on SWB HSG data, appear to have chemical reactions occurring within the waste.	LANL	---	Complete. Discussed during technical meeting on April 16, 2015. Email follow-up on April 20, 2015.
53.	NMED requested the document “TA-55 Cement Fixation Drum Logbook” referenced in the CCP AK document.	LANL	---	Complete. Included with April 24, 2015 Response to Request for Information.
54.	NMED requested summary sheet for HSG data.	LANL	---	Complete April 9, 2015.

	Requested Information	Actionee	Status	Completion Date
55.	NMED requested additional discussion on engineering options for cooling in Summer months.	LANL	---	Complete. Discussed during technical meeting on April 16, 2015.
56.	NMED requested references in Technical Assessment Team report Waste Isolation Pilot Plant (WIPP): Chemical Reactivity and Recommended Remediation Strategy for Los Alamos Remediated Nitrate Salt (RNS) Wastes.	LANL	---	Complete April 9, 2015.
57.	Schedule an eighth LANL update meeting to continue technical discussions associated with remediation options, planning and other topics of interest.	LANL/ NMED	---	Complete April 16, 2015.

Remediated Nitrate Salt Container Headspace Gas Analysis

	68685				69553				69615			
Date	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm
05/02/15	143	349	8606	2024								
05/03/15	135	337	8717	2040								
05/04/15	147	366	9080	2134	193	507	12643	1678	114	328	6537	313

Remediated Nitrate Salt Container Headspace Gas Analysis

	69616				SB50069				SB50452			
Date	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm
05/02/15												
05/03/15												
05/04/15	317	599	13646	2551	373	638	14249	1839	719	668	13213	2270

Remediated Nitrate Salt Container Headspace Gas Analysis

	SB50522				87823				87825			
Date	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm
05/02/15	2729	467	34847	1050								
05/03/15	2625	460	34917	1052								
05/04/15	2737	465	36945	1136	178	207	5633	920	188	252	7969	1357

Remediated Nitrate Salt Container Headspace Gas Analysis

	87826				87827			
Date	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm
05/02/15								
05/03/15								
05/04/15	239	340	12006	1654	55	113	3246	397

Nitrate Salt-Bearing TRU Waste Container Monitoring

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ATTACHMENT 2
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TA-54 AREA G TA-54-231 NITRATE SALT TRU WASTE CONTAINER DAILY TEMPERATURE DATA SHEET

6.[6] Date: From 4-27-2015 to 5-03-2015

	Monday 6.[6] Start Time: <u>0951</u>	Tuesday 6.[6] Start Time: <u>0914</u>	Wednesday 6.[6] Start Time: <u>1010</u>	Thursday 6.[6] Start Time: <u>0931</u>	Friday 6.[6] Start Time: <u>0827</u>	Saturday 6.[6] Start Time: <u>0824</u>	Sunday 6.[6] Start Time: <u>0823</u>
TA-54-231							
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand: <u>FLUKE</u> Model: <u>561</u> Cal. Due Date: <u>7/29/15</u> File Number: <u>101974</u>	Brand: <u>FLUKE</u> Model: <u>561</u> Cal. Due Date: <u>7/29/15</u> File Number: <u>101974</u>	Brand: <u>FLUKE</u> Model: <u>561</u> Cal. Due Date: <u>7/29/15</u> File Number: <u>101974</u>	Brand: <u>FLUKE</u> Model: <u>561</u> Cal. Due Date: <u>7/29/15</u> File Number: <u>101974</u>	Brand: <u>FLUKE</u> Model: <u>561</u> Cal. Due Date: <u>7-29-15</u> File Number: <u>101974</u>	Brand: <u>FLUKE</u> Model: <u>561</u> Cal. Due Date: <u>7-29-15</u> File Number: <u>101974</u>	Brand: <u>FLUKE</u> Model: <u>561</u> Cal. Due Date: <u>7-29-15</u> File Number: <u>101974</u>
Ambient Temperature (6.[7])	<u>57.3</u> °F	<u>51.2</u> °F	<u>57.5</u> °F	<u>57.8</u> °F	<u>57.2</u> °F	<u>59.2</u> °F	<u>57.4</u> °F
Container ID #	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])
S818435	<u>53.0</u>	<u>54.0</u>	<u>57.4</u>	<u>58.4</u>	<u>57.9</u>	<u>59.8</u>	<u>57.9</u>
S802833	<u>54.5</u>	<u>53.3</u>	<u>56.5</u>	<u>57.8</u>	<u>57.2</u>	<u>59.1</u>	<u>56.8</u>
S801676	<u>54.6</u>	<u>53.6</u>	<u>56.3</u>	<u>57.5</u>	<u>56.7</u>	<u>58.9</u>	<u>57.2</u>
S816810	<u>55.5</u>	<u>55.7</u>	<u>56.2</u>	<u>56.6</u>	<u>56.1</u>	<u>57.2</u>	<u>56.2</u>
70069	<u>55.3</u>	<u>55.5</u>	<u>55.8</u>	<u>56.4</u>	<u>55.9</u>	<u>57.1</u>	<u>55.9</u>
S822844	<u>55.7</u>	<u>55.0</u>	<u>56.6</u>	56.4	<u>56.2</u>	<u>57.2</u>	<u>56.1</u>
S825879	<u>55.4</u>	<u>55.5</u>	<u>56.2</u>	<u>56.8</u>	<u>56.5</u>	<u>57.2</u>	<u>56.2</u>
S793724	<u>55.6</u>	<u>55.4</u>	<u>56.4</u>	<u>57.1</u>	<u>56.6</u>	<u>57.7</u>	<u>56.4</u>
S813545	<u>55.5</u>	<u>55.1</u>	<u>56.3</u>	<u>57.0</u>	<u>56.5</u>	<u>58.0</u>	<u>56.8</u>
S822713	<u>55.6</u>	<u>54.6</u>	<u>57.1</u>	<u>58.2</u>	<u>57.3</u>	<u>58.6</u>	<u>57.0</u>
S802739	<u>55.2</u>	<u>54.1</u>	<u>56.5</u>	<u>57.8</u>	<u>57.2</u>	<u>59.0</u>	<u>56.7</u>
69907	<u>54.8</u>	<u>53.9</u>	<u>56.1</u>	<u>57.4</u>	<u>57.5</u>	<u>59.0</u>	<u>57.0</u>
S804995	<u>55.5</u>	<u>54.3</u>	<u>56.9</u>	<u>57.9</u>	<u>58.1</u>	<u>59.6</u>	<u>57.1</u>
S816434	<u>54.7</u>	<u>55.6</u>	<u>57.8</u>	<u>57.0</u>	<u>58.5</u>	<u>59.8</u>	<u>59.0</u>

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6.[6] Date: From 4-27-15 to 5-03-15

6.[2] Comments: _____

6.[18] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Alfredo Aguilar	<i>[Signature]</i>	1293128	AA	4/29/15
THOMAS VIGIL	<i>[Signature]</i>	1236382	TV	4/27/15
Alfredo Aguilar	<i>[Signature]</i>	1293128	AA	4/28/15
THOMAS VIGIL	<i>[Signature]</i>	1236382	TV	4/28/15
THOMAS VIGIL	<i>[Signature]</i>	1236382	TV	4/29/15
Josue Lopez	<i>[Signature]</i>	116598	JL	10/29/15
Alfredo Aguilar	<i>[Signature]</i>	1293128	AA	4/30/15

Operator (print)	Signature	Z#	Initials	Date
THOMAS VIGIL	<i>[Signature]</i>	1236382	TV	4/30/15
Juan Garcia	<i>[Signature]</i>	1169840	JG	5-1-15
Pancho Micra	<i>[Signature]</i>	1235705	PM	5-1-15
Juan Garcia	<i>[Signature]</i>	1169840	JG	5-2-15
Pancho Micra	<i>[Signature]</i>	1235705	PM	5-2-15
Juan Garcia	<i>[Signature]</i>	1169840	JG	5-3-15
Norman Sanchez	<i>[Signature]</i>	187818	NS	5-3-15

9.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date

Nitrate Salt-Bearing TRU Waste Container Monitoring

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TA-54 AREA G TA-54-375 CELL 1 NITRATE SALT TRU WASTE CONTAINER DAILY TEMPERATURE DATA SHEET

6.[6] Date: From 042715 to 050315

	Monday 6.[6] Start Time: <u>1108</u>	Tuesday 6.[6] Start Time: <u>1036</u>	Wednesday 6.[6] Start Time: <u>1110</u>	Thursday 6.[6] Start Time: <u>1100</u>	Friday 6.[6] Start Time: <u>0748</u>	Saturday 6.[6] Start Time: <u>0736</u>	Sunday 6.[6] Start Time: <u>0732</u>
TA-54-375 Cell 1							
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>6-12-15</u> File Number: <u>101915</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>6-12-15</u> File Number: <u>101915</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>6-12-15</u> File Number: <u>101915</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>6-12-15</u> File Number: <u>101915</u>	Brand: <u>FLUKE</u> Model: <u>561</u> Cal. Due Date: <u>6-12-15</u> File Number: <u>101915</u>	Brand: <u>FLUKE</u> Model: <u>561</u> Cal. Due Date: <u>6-12-15</u> File Number: <u>101915</u>	Brand: <u>FLUKE</u> Model: <u>561</u> Cal. Due Date: <u>6-12-15</u> File Number: <u>101915</u>
Ambient Temperature (6.[7])	<u>56.7</u> °F	<u>55.7</u> °F	<u>60.6</u> °F	<u>63.3</u> °F	<u>51.4</u> °F	<u>58.4</u> °F	<u>55.1</u> °F
Container ID #	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])
68685	<u>56.5</u>	<u>56.5</u>	<u>60.3</u>	<u>62.8</u>	<u>57.4</u>	<u>58.8</u>	<u>55.6</u>
LA00000070503	68540 <u>56.6</u>	<u>56.3</u>	<u>60.0</u>	<u>62.5</u>	<u>57.3</u>	<u>58.4</u>	<u>55.1</u>
	68553 <u>56.4</u>	<u>56.4</u>	<u>60.1</u>	<u>62.5</u>	<u>57.3</u>	<u>58.3</u>	<u>55.3</u>
69445	<u>56.5</u>	<u>56.5</u>	<u>60.2</u>	<u>62.7</u>	<u>57.4</u>	<u>58.7</u>	<u>55.6</u>
69618	<u>55.8</u>	<u>57.7</u>	<u>59.1</u>	<u>61.8</u>	<u>57.4</u>	<u>58.7</u>	<u>55.5</u>
69013	<u>56.4</u>	<u>55.7</u>	<u>59.6</u>	<u>62.2</u>	<u>57.5</u>	<u>58.9</u>	<u>56.0</u>
LASB50522	<u>57.1</u>	<u>56.5</u>	<u>60.3</u>	<u>62.5</u>	<u>57.9</u>	<u>59.0</u>	<u>56.6</u>
LASB50452	<u>56.5</u>	<u>57.3</u>	<u>60.3</u>	<u>62.6</u>	<u>57.7</u>	<u>58.9</u>	<u>56.5</u>
LASB50431	<u>57.0</u>	<u>56.8</u>	<u>60.1</u>	<u>62.3</u>	<u>57.8</u>	<u>59.2</u>	<u>56.4</u>
LASB50069	<u>58.2</u>	<u>57.0</u>	<u>60.2</u>	<u>62.1</u>	<u>57.7</u>	<u>58.9</u>	<u>56.2</u>
LASB50073	<u>56.4</u>	<u>56.9</u>	<u>60.0</u>	<u>61.9</u>	<u>58.0</u>	<u>59.1</u>	<u>56.5</u>
69636	<u>57.1</u>	<u>57.0</u>	<u>60.1</u>	<u>62.0</u>	<u>57.9</u>	<u>59.2</u>	<u>56.6</u>
69616	<u>57.3</u>	<u>57.1</u>	<u>60.2</u>	<u>62.5</u>	<u>57.9</u>	<u>59.0</u>	<u>56.6</u>
69417	<u>57.0</u>	<u>57.0</u>	<u>59.9</u>	<u>62.3</u>	<u>58.0</u>	<u>59.1</u>	<u>56.4</u>

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6.[6] Date: From 042714 to 050315

Container ID #	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])
TA-54-375 Cell 1 (continued)							
69620	56.6	56.8	59.9	62.0	58.3	59.4	56.7
69520	57.1	57.0	60.0	62.1	58.1	59.1	56.7
69641	57.4	57.2	59.8	62.3	58.4	59.5	57.0
69298	57.3	57.3	59.8	62.6	58.6	59.3	57.1
LASB02203	57.1	56.9	60.2	62.1	58.1	59.2	56.5
Ambient Temperature (6.[13])	56.4 °F	55.5 °F	60.6 °F	63.7 °F	57.4 °F	58.4 °F	55.6 °F
End Time (6.[14])	1110	1041	042815 1115	1105	0753	0740	0737
6.[14]	Operator: <u>[Signature]</u> Operator: <u>[Signature]</u>	Operator: <u>[Signature]</u> Operator: <u>[Signature]</u>	Operator: <u>[Signature]</u> Operator: <u>[Signature]</u>	Operator: <u>[Signature]</u> Operator: <u>[Signature]</u>	Operator: <u>[Signature]</u> Operator: <u>[Signature]</u>	Operator: <u>[Signature]</u> Operator: <u>[Signature]</u>	Operator: <u>[Signature]</u> Operator: <u>NS</u>

6.[2] Comments:

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6.[6] Date: From 042715 to 050315

6.[18] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Rick Montoya	<i>[Signature]</i>	1163216	RM	042715
Operator (print)	Signature	Z#	Initials	Date
Sammy Barch	<i>[Signature]</i>	114474	SB	04-27-15
Operator (print)	Signature	Z#	Initials	Date
Joshua Lopez	<i>[Signature]</i>	116578	JL	042715
Operator (print)	Signature	Z#	Initials	Date
Rick Montoya	<i>[Signature]</i>	1163216	RM	042815
Operator (print)	Signature	Z#	Initials	Date
Joshua Lopez	<i>[Signature]</i>	116578	JL	042815
Operator (print)	Signature	Z#	Initials	Date
Rick Montoya	<i>[Signature]</i>	1163216	RM	042915
Operator (print)	Signature	Z#	Initials	Date
Joshua Lopez	<i>[Signature]</i>	116578	JL	042915

Operator (print)	Signature	Z#	Initials	Date
Rick Montoya	<i>[Signature]</i>	1163216	RM	043015
Operator (print)	Signature	Z#	Initials	Date
Joshua Lopez	<i>[Signature]</i>	116578	JL	043015
Operator (print)	Signature	Z#	Initials	Date
Juan Garcia	<i>[Signature]</i>	1169840	JG	05-01-15
Operator (print)	Signature	Z#	Initials	Date
Pancho Miera	<i>[Signature]</i>	1235765	PM	15-1-15
Operator (print)	Signature	Z#	Initials	Date
Juan Garcia	<i>[Signature]</i>	1169840	JG	15-2-15
Operator (print)	Signature	Z#	Initials	Date
Pancho Miera	<i>[Signature]</i>	1235765	PM	15-2-15
Operator (print)	Signature	Z#	Initials	Date
JUAN GARCIA	<i>[Signature]</i>	1169840	JG	15-3-15
Operator (print)	Signature	Z#	Initials	Date
Norman Sanchez	<i>[Signature]</i>	187816	NS	5/3/15

9.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date

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TA-54 AREA G TA-54-375 CELL 2 NITRATE SALT TRU WASTE CONTAINER DAILY TEMPERATURE DATA SHEET

6.[6] Date: From 042115 to 050315

	Monday 6.[6] Start Time: <u>1103</u>	Tuesday 6.[6] Start Time: <u>1042</u>	Wednesday 6.[6] Start Time: <u>1117</u>	Thursday 6.[6] Start Time: <u>1110</u>	Friday 6.[6] Start Time: <u>0800</u>	Saturday 6.[6] Start Time: <u>0741</u>	Sunday 6.[6] Start Time: <u>0738</u>
TA-54-375 Cell 2							
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>6-12-15</u> File Number: <u>101912</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>6-12-15</u> File Number: <u>101912</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>6-12-15</u> File Number: <u>101912</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>6-12-15</u> File Number: <u>101912</u>	Brand: <u>FLUKE</u> Model: <u>561</u> Cal. Due Date: <u>6-12-15</u> File Number: <u>101912</u>	Brand: <u>FLUKE</u> Model: <u>561</u> Cal. Due Date: <u>6-12-15</u> File Number: <u>101912</u>	Brand: <u>FLUKE</u> Model: <u>561</u> Cal. Due Date: <u>6-12-15</u> File Number: <u>101912</u>
Ambient Temperature (6.17)	<u>58.4</u> °F	<u>57.7</u> °F	<u>60.4</u> °F	<u>62.5</u> °F	<u>58.4</u> °F	<u>59.0</u> °F	<u>56.9</u> °F
Container ID #	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])
LASB02198	<u>57.2</u>	<u>57.2</u>	<u>60.0</u>	<u>61.5</u>	<u>58.3</u>	<u>59.2</u>	<u>56.9</u>
68638	<u>57.1</u>	<u>57.1</u>	<u>60.2</u>	<u>62.0</u>	<u>58.0</u>	<u>59.1</u>	<u>56.5</u>
69615	<u>57.4</u>	<u>57.4</u>	<u>60.1</u>	<u>62.2</u>	<u>58.1</u>	<u>59.3</u>	<u>56.8</u>
69635	<u>57.8</u>	<u>57.8</u>	<u>60.5</u>	<u>62.5</u>	<u>58.8</u>	<u>59.9</u>	<u>57.2</u>
69642	<u>57.6</u>	<u>57.6</u>	<u>60.3</u>	<u>62.6</u>	<u>58.3</u>	<u>59.2</u>	<u>56.9</u>
69630	<u>57.6</u>	<u>57.6</u>	<u>61.2</u>	<u>62.5</u>	<u>58.4</u>	<u>59.4</u>	<u>56.8</u>
69633	<u>58.1</u>	<u>58.1</u>	<u>60.8</u>	<u>62.2</u>	<u>58.7</u>	<u>59.9</u>	<u>57.2</u>
68430	<u>58.3</u>	<u>58.3</u>	<u>60.6</u>	<u>62.8</u>	<u>58.4</u>	<u>59.4</u>	<u>57.0</u>
68631	<u>57.4</u>	<u>57.4</u>	<u>60.4</u>	<u>62.2</u>	<u>58.0</u>	<u>59.1</u>	<u>56.5</u>
69634	<u>58.4</u>	<u>58.4</u>	<u>60.3</u>	<u>62.5</u>	<u>58.3</u>	<u>59.2</u>	<u>57.1</u>
68567	<u>57.4</u>	<u>57.4</u>	<u>59.6</u>	<u>61.6</u>	<u>58.2</u>	<u>59.4</u>	<u>56.7</u>
94227	<u>57.4</u>	<u>57.4</u>	<u>59.9</u>	<u>62.0</u>	<u>58.2</u>	<u>58.9</u>	<u>56.7</u>
LASB50442	<u>57.8</u>	<u>57.8</u>	<u>60.7</u>	<u>62.3</u>	<u>58.3</u>	<u>59.2</u>	<u>57.1</u>
69644	<u>57.0</u>	<u>58.0</u>	<u>60.4</u>	<u>62.6</u>	<u>58.5</u>	<u>59.7</u>	<u>57.2</u>
LASB50443	<u>57.6</u>	<u>57.6</u>	<u>59.4</u>	<u>61.7</u>	<u>58.3</u>	<u>59.2</u>	<u>57.0</u>
69638	<u>57.8</u>	<u>57.8</u>	<u>60.5</u>	<u>61.7</u>	<u>58.4</u>	<u>59.5</u>	<u>57.0</u>

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6.[6] Date: From 042715 to 050315

Container ID #	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])
TA-54-375 Cell 2. (continued)							
68624	57.9	57.9	60.3	61.8	59.9	60.0	57.4
68507	58.1	58.1	60.3	62.1	58.6	59.8	57.4
69568	57.6	58.6	60.0	62.4	58.6	59.6	57.1
69553	57.4	57.4	59.8	62.1	58.3	59.4	56.9
69598	57.3	57.3	59.6	61.6	58.3	59.5	57.0
LASB50559	57.6	57.6	60.3	62.2	58.6	59.6	57.3
69015	58.0	58.0	60.7	62.1	58.9	59.8	57.4
69639	58.2	58.2	60.4	62.6	59.0	60.0	57.8
69637	57.9	57.9	60.1	62.1	58.6	59.6	57.4
Ambient Temperature (6.[13])	58.0 °F	58.0 °F	60.7 °F	63.3 °F	58.9 °F	59.7 °F	57.0 °F
End Time (6.[14])	1106	1046	1125	1116	0804	0746	0745
6.[14]	Operator: <u>[Signature]</u> Operator: <u>[Signature]</u>	Operator: <u>[Signature]</u> Operator: <u>[Signature]</u>	Operator: <u>[Signature]</u> Operator: <u>[Signature]</u>	Operator: <u>[Signature]</u> Operator: <u>[Signature]</u>	Operator: <u>[Signature]</u> Operator: <u>[Signature]</u>	Operator: <u>[Signature]</u> Operator: <u>[Signature]</u>	Operator: <u>[Signature]</u> Operator: <u>[Signature]</u>

6.[2] Comments:

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6.[6] Date: From 040715 to 050315

6.[18] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Rick Montoya		1163246	RM	104215
Josue Lopez		116578	JL	104215
Rick Montoya		1163246	RM	1042815
Josue Lopez		116578	JL	1042815
Rick Montoya		1163246	RM	1042915
Josue Lopez		116578	JL	1042915
Rick Montoya		1163246	RM	1043015

Operator (print)	Signature	Z#	Initials	Date
Josue Lopez		116578	JL	043015
Juan Garcia		169840	JG	105-01-15
Pancho Mirra		123516	PM	15-1-15
Juan Garcia		169840	JG	105-02-15
Pancho Mirra		123516	PM	15-2-15
JUAN GARCIA		169840	JG	15-3-15
Norman Sanchez		1187818	NS	15-3-15

9.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date

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TA-54 AREA G TA-54-375 CELL 3 NITRATE SALT TRU WASTE CONTAINER DAILY TEMPERATURE DATA SHEET

6.[6] Date: From 042715 to 050315

	Monday 6.[6] Start Time: <u>1058</u>	Tuesday 6.[6] Start Time: <u>1036</u>	Wednesday 6.[6] Start Time: <u>1046</u>	Thursday 6.[6] Start Time: <u>1050</u>	Friday 6.[6] Start Time: <u>0754</u>	Saturday 6.[6] Start Time: <u>0732</u>	Sunday 6.[6] Start Time: <u>0727</u>
TA-54-375 Cell 3							
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>6-12-15</u> File Number: <u>101916</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>6-12-15</u> File Number: <u>101916</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>6-12-15</u> File Number: <u>101916</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>6-12-15</u> File Number: <u>101916</u>	Brand: <u>FLUKE</u> Model: <u>561</u> Cal. Due Date: <u>6-12-15</u> File Number: <u>101916</u>	Brand: <u>FLUKE</u> Model: <u>561</u> Cal. Due Date: <u>6-12-15</u> File Number: <u>101916</u>	Brand: <u>FLUKE</u> Model: <u>561</u> Cal. Due Date: <u>6-12-15</u> File Number: <u>101916</u>
Ambient Temperature (6.[7])	<u>56.4</u> °F	<u>56.6</u> °F	<u>59.2</u> °F	<u>63.3</u> °F	<u>58.7</u> °F	<u>59.0</u> °F	<u>56.8</u> °F
Container ID #	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])
69519	<u>58.2</u>	<u>58.0</u>	<u>59.8</u>	<u>62.7</u>	<u>58.9</u>	<u>59.8</u>	<u>58.0</u>
69645	58.2 <u>58.3</u>	<u>57.7</u>	<u>60.0</u>	<u>62.9</u>	<u>59.3</u>	<u>60.0</u>	<u>57.7</u>
94068	<u>58.0</u>	<u>58.2</u>	<u>59.5</u>	<u>62.8</u>	<u>59.2</u>	<u>60.1</u>	<u>58.0</u>
93605	<u>57.9</u>	<u>57.9</u>	<u>59.8</u>	<u>62.8</u>	<u>59.4</u>	<u>60.6</u>	<u>58.0</u>
69548	<u>57.6</u>	<u>57.6</u>	<u>59.4</u>	<u>62.9</u>	<u>59.1</u>	<u>60.7</u>	<u>57.9</u>
69604	<u>58.0</u>	<u>57.3</u>	<u>60.0</u>	<u>62.7</u>	<u>59.2</u>	<u>60.2</u>	<u>57.9</u>
LASB50529	<u>58.3</u>	<u>57.6</u>	<u>59.7</u>	<u>62.9</u>	<u>59.3</u>	<u>60.2</u>	<u>58.0</u>
LASB50418	<u>58.6</u>	<u>57.8</u>	<u>59.6</u>	<u>62.9</u>	<u>58.9</u>	<u>59.7</u>	<u>57.1</u>
69036	<u>57.5</u>	<u>57.5</u>	<u>59.5</u>	<u>62.5</u>	<u>58.7</u>	<u>59.6</u>	<u>57.4</u>
LASB50451	<u>57.6</u>	<u>57.2</u>	<u>59.2</u>	<u>62.7</u>	<u>58.7</u>	<u>59.6</u>	<u>57.5</u>
69559	<u>57.5</u>	<u>57.4</u>	<u>59.7</u>	<u>62.5</u>	<u>58.8</u>	<u>59.9</u>	<u>57.9</u>
LASB50448	<u>57.3</u>	<u>56.7</u>	<u>59.0</u>	<u>62.4</u>	<u>59.0</u>	<u>60.2</u>	<u>58.0</u>
87823	<u>57.7</u>	<u>57.2</u>	<u>59.2</u>	<u>62.4</u>	<u>58.8</u>	<u>59.5</u>	<u>57.4</u>
87825	<u>57.4</u>	<u>56.7</u>	<u>59.7</u>	<u>63.4</u>	<u>58.6</u>	<u>59.1</u>	<u>56.4</u> 56.7
87826	<u>56.8</u>	<u>56.7</u>	<u>58.5</u>	<u>61.9</u>	<u>59.1</u>	<u>60.0</u>	<u>58.0</u>
87827	<u>56.8</u>	<u>56.6</u>	<u>58.3</u>	<u>62.1</u>	<u>58.9</u>	<u>60.0</u>	<u>57.8</u>

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6.[18] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Rick Martop	<i>[Signature]</i>	1163216	Rm	10/4/2015
Josua Lopez	<i>[Signature]</i>	1165781	JL	10/4/2015
Rick Martop	<i>[Signature]</i>	1163216	Rm	10/4/2015
Josua Lopez	<i>[Signature]</i>	1165781	JL	10/4/2015
Rick Martop	<i>[Signature]</i>	1163216	Rm	10/4/2015
Josua Lopez	<i>[Signature]</i>	1165781	JL	10/4/2015
Rick Martop	<i>[Signature]</i>	1163216	Rm	10/4/2015

Operator (print)	Signature	Z#	Initials	Date
Josua Lopez	<i>[Signature]</i>	1165781	JL	10/4/2015
Juan Garcia	<i>[Signature]</i>	1169840	JG	10/5-01-15
Pancho Miera	<i>[Signature]</i>	1235765	PM	1/5-1-15
JUAN GARCIA	<i>[Signature]</i>	1169840	JG	1/5-2-15
Pancho Miera	<i>[Signature]</i>	1235765	PM	1/5-2-15
JUAN GARCIA	<i>[Signature]</i>	1169840	JG	1/5-3-15
Norman Sanchez	<i>[Signature]</i>	1187818	NS	1/5-3-15

9.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date

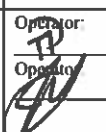
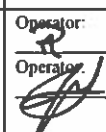
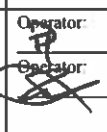
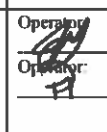
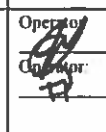
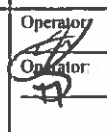
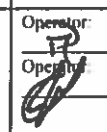
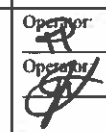
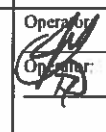
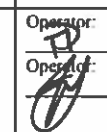
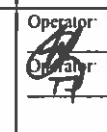
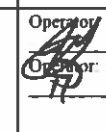
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6.[6] Date: From 5-1-15 to 5-1-15 Location: Dome 375

Container ID # (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])
N/A														
N/A														
Ambient Temperature (6.[13])	56.11 °F	56.27 °F	58.70 °F	60.35 °F	61.69 °F	63.66 °F	65.91 °F	66.86 °F	66.72 °F	65.51 °F	65.88 °F	66.57 °F	_____ °F	_____ °F
End Time (6.[14])	0642	0732	0848	0931	1033	1132	1233	1341	1433	1532	1633	1732	_____	_____
6.[14]	Operator: 	Operator: 	Operator: 	Operator: 	Operator: 	Operator: 	Operator: 	Operator: 	Operator: 	Operator: 	Operator: 	Operator: 	Operator: _____	Operator: _____

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6.[6] Date: From 5-1-15 to 5-1-15 Location: June 375

6.[2] Comments: NC

6.[18] Performed by:

Operator (print)	Signature	Z#	Initials	Date
<u>Juan Garcia</u>	<u>Juan Garcia</u>	<u>169840</u>	<u>JA</u>	<u>5-1-15</u>
Operator (print)	Signature	Z#	Initials	Date
<u>Pancho Mierov</u>	<u>Pancho Mierov</u>	<u>123516</u>	<u>PM</u>	<u>5-1-15</u>
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date

Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date

9.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date
<u>Clayton...</u>	<u>[Signature]</u>	<u>111418</u>	<u>EC</u>	<u>5-1-15</u>

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6.[6] Date: From 5-1-15 to 5-2-15 Location: Dome 375

6.[2] Comments: 1750 Gerald Espinoza assumed NDO watch [Signature] 120976

NA

6.[18] Performed by:

<u>Gerald Espinoza</u>	<u>[Signature]</u>	<u>120976GE</u>	<u>1050115</u>
Operator (print)	Signature	Z#	Initials Date
<u>Sammy Borek</u>	<u>[Signature]</u>	<u>11474</u>	<u>050115</u>
Operator (print)	Signature	Z#	Initials Date
Operator (print)	Signature	Z#	Initials Date
Operator (print)	Signature	Z#	Initials Date
Operator (print)	Signature	Z#	Initials Date
Operator (print)	Signature	Z#	Initials Date
Operator (print)	Signature	Z#	Initials Date

Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date

9.1[2] Reviewed by:

<u>Jackie Romero</u>	<u>[Signature]</u>	<u>11870661</u>	<u>JR</u>	<u>15-2-15</u>
SOM or designee (print)	Signature	Z#	Initials	Date

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TA-54 AREA G NITRATE SALT TRU WASTE CONTAINER HOURLY TEMPERATURE DATA SHEET

6.[6] Date: From 5-2-15 to 5-2-15 Location: 375

	Start Time: 6.[6] 0642	Start Time: 6.[6] 0741	Start Time: 6.[6] 0840	Start Time: 6.[6] 0939	Start Time: 6.[6] 1035	Start Time: 6.[6] 1130	Start Time: 6.[6] 1231	Start Time: 6.[6] 1332	Start Time: 6.[6] 1429	Start Time: 6.[6] 1530	Start Time: 6.[6] 1633	Start Time: 6.[6] 1733	Start Time: 6.[6]	Start Time: 6.[6]
Calibrated Infrared Thermometer (4.2 I[1]B)	Brand Model Cal Due Date File Number	Brand Model Cal Due Date File Number	Brand Model Cal Due Date File Number	Brand Model Cal Due Date File Number	Brand Model Cal Due Date File Number	Brand Model Cal Due Date File Number	Brand Model Cal Due Date File Number	Brand Model Cal Due Date File Number	Brand Model Cal Due Date File Number	Brand Model Cal Due Date File Number	Brand Model Cal Due Date File Number	Brand Model Cal Due Date File Number	Brand Model Cal Due Date File Number	Brand Model Cal Due Date File Number
Ambient Temperature (6.[7])	57.98 °F	58.1 °F	59.89 °F	62.26 °F	62.74 °F	64.98 °F	66.41 °F	67.69 °F	66.71 °F	64.95 °F	63.98 °F	63.68 °F	°F	°F
Container ID # (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])
68685 T1	57.87	57.95	59.74	62.17	63.65	66.2	68.33	69.47	68.6	65.84	64.75	64.41		
68685 T2	57.44	57.60	59.37	61.71	62.52	64.35	66.35	67.56	66.8	65.33	64.32	64.07		
50522 T4	58.04	58	59.26	60.97	61.53	63.06	64.36	65.37	64.8	63.64	62.74	62.53		
50522 T8	57.9	57.9	59.29	61.09	61.57	63.06	64.22	65.26	64.81	63.74	62.9	62.7		

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6.[6] Date: From 5-2-15 to 5-2-15 Location: 375

6.[2] Comments: NC

6.[18] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Juan Garcia	<i>Juan Garcia</i>	1169840	AG	5-2-15
Pancho Miera	<i>Pancho Miera</i>	1235765	PM	5-2-15
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date

Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date

9.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date
Eric J. G. ...	<i>Eric J. G. ...</i>	1141866	EC	5-2-15

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6 [6] Date: From 050215 to 050315 Location: 375

6 [2] Comments:

N/A

6 [18] Performed by:

Operator (print)	Signature	Z#	Initials	Date
<i>Tina Aguirre</i>	<i>Tina Aguirre</i>			<i>050215</i>
Operator (print)	Signature	Z#	Initials	Date
<i>Jose Lopez</i>	<i>Jose Lopez</i>	<i>116578</i>	<i>JL</i>	<i>050315</i>
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date

Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date

9 [12] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date
<i>Elvira...</i>	<i>Elvira...</i>			<i>114188 EC 15-3-15</i>

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TA-54 AREA G NITRATE SALT TRU WASTE CONTAINER HOURLY TEMPERATURE DATA SHEET

6 [6] Date: From 5-3-15 to 5-3-15 Location: 375

	Start Time: 6 [6] <u>0642</u>	Start Time: 6 [6] <u>0738</u>	Start Time: 6 [6] <u>0837</u>	Start Time: 6 [6] <u>0932</u>	Start Time: 6 [6] <u>1031</u>	Start Time: 6 [6] <u>1133</u>	Start Time: 6 [6] <u>1234</u>	Start Time: 6 [6] <u>1329</u>	Start Time: 6 [6] <u>1431</u>	Start Time: 6 [6] <u>1532</u>	Start Time: 6 [6] <u>1630</u>	Start Time: 6 [6] <u>1728</u>	Start Time: 6 [6]	Start Time: 6 [6]
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand Model Cal. Due Date File Number	Brand Model Cal. Due Date File Number	Brand Model Cal. Due Date File Number	Brand Model Cal. Due Date File Number	Brand Model Cal. Due Date File Number	Brand Model Cal. Due Date File Number	Brand Model Cal. Due Date File Number	Brand Model Cal. Due Date File Number	Brand Model Cal. Due Date File Number	Brand Model Cal. Due Date File Number	Brand Model Cal. Due Date File Number	Brand Model Cal. Due Date File Number	Brand Model Cal. Due Date File Number	Brand Model Cal. Due Date File Number
Ambient Temperature (6.7)	<u>53.76</u> °F	<u>54.53</u> °F	<u>56.5</u> °F	<u>58.58</u> °F	<u>60.26</u> °F	<u>62.79</u> °F	<u>65.02</u> °F	<u>64.22</u> °F	<u>62.52</u> °F	<u>60.61</u> °F	<u>61.82</u> °F	<u>62.29</u> °F	°F	°F
Container ID # (6.8[6][9])	Temp (°F) (6.8[6][9])	Temp (°F) (6.8[6][9])	Temp (°F) (6.8[6][9])	Temp (°F) (6.8[6][9])	Temp (°F) (6.8[6][9])	Temp (°F) (6.8[6][9])	Temp (°F) (6.8[6][9])	Temp (°F) (6.8[6][9])	Temp (°F) (6.8[6][9])	Temp (°F) (6.8[6][9])	Temp (°F) (6.8[6][9])	Temp (°F) (6.8[6][9])	Temp (°F) (6.8[6][9])	Temp (°F) (6.8[6][9])
<u>68685 T1</u>	<u>53.95</u>	<u>54.87</u>	<u>56.75</u>	<u>58.58</u>	<u>60.04</u>	<u>63.08</u>	<u>66.22</u>	<u>65.38</u>	<u>63.3</u>	<u>61.08</u>	<u>62.53</u>	<u>62.92</u>		
<u>68685 T2</u>	<u>53.66</u>	<u>54.65</u>	<u>56.48</u>	<u>58.17</u>	<u>59.58</u>	<u>62.48</u>	<u>64.31</u>	<u>64.43</u>	<u>62.93</u>	<u>61.02</u>	<u>62.19</u>	<u>62.56</u>		
<u>50522 T4</u>	<u>55.02</u>	<u>55.55</u>	<u>56.91</u>	<u>58.24</u>	<u>59.44</u>	<u>61.38</u>	<u>62.96</u>	<u>62.87</u>	<u>61.66</u>	<u>60.15</u>	<u>60.84</u>	<u>61.25</u>		
<u>50522 T5</u>	<u>54.89</u>	<u>55.52</u>	<u>56.96</u>	<u>58.35</u>	<u>59.47</u>	<u>61.56</u>	<u>62.94</u>	<u>62.96</u>	<u>61.81</u>	<u>60.34</u>	<u>61.01</u>	<u>61.45</u>		

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6.[6] Date: From 5-3-15 to 5-3-15 Location: 375

Container ID # (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])
N/A														
N/A														
Ambient Temperature (6.[13])	53.73°F	54.54°F	56.53°F	58.62°F	60.3°F	62.79°F	65.0°F	64.22°F	62.57°F	60.62°F	61.85°F	62.24°F	____°F	____°F
End Time (6.[14])	0643	0739	0838	0933	1032	1134	1235 1235 5-3-15	1330	1432	1533	1631	1729	_____	_____
6.[14]	Operator: <u>[Signature]</u> Operator: NS	Operator: <u>[Signature]</u> Operator: NS	Operator: <u>[Signature]</u> Operator: NS	Operator: NS <u>[Signature]</u> Operator: <u>[Signature]</u>	Operator: <u>[Signature]</u> Operator: NS	Operator: NS <u>[Signature]</u> Operator: <u>[Signature]</u>	Operator: <u>[Signature]</u> Operator: NS	Operator: <u>[Signature]</u> Operator: NS	Operator: NS <u>[Signature]</u> Operator: <u>[Signature]</u>	Operator: <u>[Signature]</u> Operator: NS	Operator: <u>[Signature]</u> Operator: NS	Operator: <u>[Signature]</u> Operator: NS	Operator: Operator:	Operator: Operator:

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6.[6] Date: From 5-3-15 to 5-3-15 Location: 375

6.[2] Comments: NC

6.[18] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Juan Garcia	<i>Juan Garcia</i>	169840	JK	5-3-15
Norman Sanchez	<i>Norman Sanchez</i>	18288	NS	5-3-15
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date

Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date

9.[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date
Jackie Romero	<i>Jackie Romero</i>	187066	JK	5-3-15

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6.[6] Date: From 5-3-15 to 5-4-15 Location: Dome 375

Container ID # (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])
n/a														
Ambient Temperature (6.[13])	60.94°F	59.06°F	60.35°F	59.49°F	58.47°F	57.58°F	56.98°F	56.65°F	56.26°F	56.51°F	56.21°F	56.69°F	_____°F	_____°F
End Time (6.[14])	1824	1926	2025	2127	2225	2329	0030	0126	0225	0327	0425	0531	_____	_____
6.[14]	Operator: WJC Operator: GE	Operator: GE Operator: WJC	Operator: WJC Operator: GE	Operator: GE Operator: WJC	Operator: WJC Operator: GE	Operator: GE Operator: WJC	Operator: WJC Operator: GE	Operator: GE Operator: WJC	Operator: WJC Operator: GE	Operator: GE Operator: WJC	Operator: WJC Operator: GE	Operator: GE Operator: WJC	Operator: _____	Operator: _____

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6.[6] Date: From 5-3-15 to 5-4-15 Location: DOME 375

6.[12] Comments:

N/A

6.[18] Performed by:

<i>Wilber...</i>	<i>[Signature]</i>	<i>1129071602</i>	<i>15-215</i>	
Operator (print)	Signature	Z#	Initials	Date
<i>Gerald Espinoza</i>	<i>[Signature]</i>	<i>1050315</i>		
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date

<i>N/A</i>	<i>[Signature]</i>	<i>Z#</i>	<i>Initials</i>	<i>Date</i>
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date

9.[12] Reviewed by:

<i>[Signature]</i>	<i>[Signature]</i>	<i>15-4-15</i>	
SO&I or designee (print)	Signature	Z#	Date