

Handwritten initials "RJ" and a faint stamp.

ESHID-600395

From: Haagenstad, Mark P

Sent: Monday, April 27, 2015 4:44 PM

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Subject: Daily Technical Submission - April 27, 2015

Attached is the written daily technical submission for today. The Permittees are submitting the attached information pursuant to: Section 19 of the May 19, 2014, *Administrative Order*; the July 10, 2014 letter from NMED regarding *Modification to May 19, 2014, Administrative Order*; and Section IX of the September 19, 2014, *LANL Nitrate Salt-Bearing Waste Container Isolation Plan, Revision 2*.

Please contact me if additional information would be helpful.

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NMED / LANL Technical Summary

April 27, 2015

LANL Technical Update:

- **Location of Nitrate Salt-Bearing Wastes**
 - Remediated nitrate salt-bearing waste containers.
 - All containers remain in the 375 Permacon.
 - Unremediated nitrate salt-bearing waste containers.
 - All containers remain in the 231 Permacon.
 - Suspect nitrate salt-bearing waste containers.
 - Containers are located 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.
 - April 25-27, 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 April, LANL has conducted HSG sampling on 59 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 suspect nitrate salt-bearing waste POCs.
 - Twice-weekly HSG sample collection.
 - April 27, 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:

Next Call: Tuesday, April 28, 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 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
04/25/15	145	347	8433	1965								
04/26/15	130	324	7926	1881								
04/27/15	132	289	7465	1741	191	476	11393	1518	45	163	3318	161

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
04/25/15												
04/26/15												
04/27/15	319	549	12031	2239	464	756	15937	2054	659	565	10724	1832

Remediated Nitrate Salt Container Headspace Gas Analysis

	SB50522				87823				87825			
Date	H₂ ppm	CO ppm	CO₂ ppm	N₂O ppm	H₂ ppm	CO ppm	CO₂ ppm	N₂O ppm	H₂ ppm	CO ppm	CO₂ ppm	N₂O ppm
04/25/15	2674	446	33559	992								
04/26/15	2674	452	33769	1009								
04/27/15	2635	415	32219	981	167	186	5213	794	171	224	6961	1192

Remediated Nitrate Salt Container Headspace Gas Analysis

	87826				87827			
Date	H₂ ppm	CO ppm	CO₂ ppm	N₂O ppm	H₂ ppm	CO ppm	CO₂ ppm	N₂O ppm
04/25/15								
04/26/15								
04/27/15	216	302	10795	1422	52	98	2975	348

Nitrate Salt-Bearing TRU Waste Container Monitoring

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

6.[6] Date: From 4-20-15 to 4-26-15

	Monday 6.[6] 1125 Start Time: 0949 # 4/20/15	Tuesday 6.[6] Start Time: 0920	Wednesday 6.[6] Start Time: 0911	Thursday 6.[6] Start Time: 1205	Friday 6.[6] Start Time: 0748	Saturday 6.[6] Start Time: 0752	Sunday 6.[6] Start Time: 0807
TA-54-231							
Calibrated Infrared Thermometer (4.2.11)(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>57.2</u> °F	<u>52.6</u> °F	<u>57.3</u> °F	<u>64.5</u> °F	<u>55.1</u> °F	<u>53.3</u> °F	<u>55.0</u> °F
Container ID #	Temp (°F) (6.[8]/6.[9])						
S818435	<u>57.4</u>	<u>54.9</u>	<u>58.2</u>	<u>65.3</u>	<u>55.1</u>	<u>54.2</u>	<u>55.0</u>
S802833	<u>56.6</u>	<u>54.0</u>	<u>57.4</u>	<u>64.3</u>	<u>54.7</u>	<u>53.7</u>	<u>54.5</u>
S801676	<u>56.3</u>	<u>54.0</u>	<u>57.3</u>	<u>67.9</u>	<u>54.7</u>	<u>53.9</u>	<u>54.6</u>
S816810	<u>56.2</u>	<u>55.1</u>	<u>59.6</u>	<u>67.0</u>	<u>55.0</u>	<u>55.7</u>	<u>55.5</u>
70069	<u>56.2</u>	<u>54.8</u>	<u>56.2</u>	<u>63.0</u>	<u>54.5</u>	<u>55.5</u>	<u>55.3</u>
S822844	<u>56.2</u>	<u>55.1</u>	<u>56.9</u>	<u>63.1</u>	<u>54.8</u>	<u>55.7</u>	<u>55.7</u>
S825879	<u>56.6</u>	<u>55.2</u>	<u>56.8</u>	<u>63.5</u>	<u>54.8</u>	<u>55.3</u>	<u>55.4</u>
S793724	<u>56.4</u>	<u>55.4</u>	<u>56.8</u>	<u>63.1</u>	<u>55.2</u>	<u>55.6</u>	<u>55.6</u>
S813545	<u>56.4</u>	<u>55.0</u>	<u>58.0</u>	<u>64.1</u>	<u>55.2</u>	<u>55.4</u>	<u>55.5</u>
S822713	<u>56.4</u>	<u>54.6</u>	<u>57.6</u>	<u>62.2</u>	<u>54.8</u>	<u>54.1</u>	<u>54.8</u>
S802739	<u>56.8</u>	<u>54.0</u>	<u>57.7</u>	<u>65.0</u>	<u>54.6</u>	<u>53.5</u>	<u>54.5</u>
69907	<u>56.5</u>	<u>53.6</u>	<u>57.0</u>	<u>63.2</u>	<u>54.5</u>	<u>53.3</u>	<u>54.6</u>
S804995	<u>57.2</u>	<u>54.0</u>	<u>58.0</u>	<u>64.8</u>	<u>54.7</u>	<u>53.8</u>	<u>55.0</u>
S816434	<u>58.2</u>	<u>55.8</u>	<u>59.0</u>	<u>65.3</u>	<u>56.0</u>	<u>54.9</u>	<u>56.1</u>

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6.[6] Date: From 4.20.15 to 4.26.15

Container ID #	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	Temp (°F) (6.[8]/6.[9])						
TA-54-231 (continued)							
S805289	58.0	54.7	58.8	65.2	55.4	54.4	55.7
S862888	56.8	54.2	57.8	63.5	55.1	54.2	55.3
70072	56.7	54.1	57.5	63.8	54.9	53.8	54.8
S823184	57.2	54.8	57.7	65.1	54.7	54.2	55.0
S822599	57.2	55.2	57.7	64.4	55.3	54.9	55.4
69904	56.7	55.3	57.0	63.0	55.0	55.3	55.5
S805051	56.4	55.4	56.7	63.1	54.8	55.4	55.3
S864213	56.4	55.6	56.5	63.1	54.9	55.6	55.5
S853714	56.4	55.9	56.6	63.6	54.8	55.4	55.5
S803078	56.5	54.9	56.6	64.4	54.6	55.0	55.1
S825878	56.7	55.6	56.9	63.9	55.0	55.8	55.4
S823124	56.7	55.0	57.0	64.0	55.0 55.0 ^{4.24.15}	55.5	55.4
S804948	57.2	55.2	58.1	64.1	55.1	54.5	55.2
S815385	57.7	55.9	58.3	63.4	55.1	54.4	55.2
S842446	57.8	55.9	59.1	63.6	56.2	55.3	56.1
Ambient Temperature (6.[13])	56.4 °F	53.7 °F	57.2 °F	64.9 °F	56.1 °F	52.9 °F	54.6 °F
End Time (6.[14])	0955	0922	0915	1211	0754	0759	0815
6.[14] Operator:	Operator: <i>JR</i> Operator: <i>JV</i>	Operator: <i>JR</i> Operator: <i>JV</i>	Operator: <i>JR</i> Operator: <i>JV</i>	Operator: <i>JR</i> Operator: <i>JV</i>	Operator: <i>JR</i> Operator: <i>EC</i>	Operator: <i>JR</i> Operator: <i>EC</i>	Operator: <i>JR</i> Operator: <i>EC</i>

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6.[6] Date: From 4.20.15 to 4.26.15

6.[2] Comments: 4/24/15 Dates were plus on pages 1, 2, 3 on 6.[6] step E.C. 114188

6.[18] Performed by: Alfredo Aguilar 293128 AB 4/21/15
~~Thomas Vega~~ ~~123682~~ ~~TV~~ 4/20/15
 Operator (print) Signature Z# Initials Date
~~Thomas Vega~~ ~~TV~~ ~~123682~~ ~~TV~~ 4/20/15
 Operator (print) Signature Z# Initials Date
Alfredo Aguilar Alfredo Aguilar 293128 AB 4/21/15
 Operator (print) Signature Z# Initials Date
~~Thomas Vega~~ ~~TV~~ ~~123682~~ ~~TV~~ 4/21/15
 Operator (print) Signature Z# Initials Date
Alfredo Aguilar Alfredo Aguilar 293128 AB 4/22/15
 Operator (print) Signature Z# Initials Date
~~Thomas Vega~~ ~~TV~~ ~~123682~~ ~~TV~~ 4/22/15
 Operator (print) Signature Z# Initials Date
~~Thomas Vega~~ ~~TV~~ ~~123682~~ ~~TV~~ 4/23/15
 Operator (print) Signature Z# Initials Date

Alfredo Aguilar Alfredo Aguilar 293128 AB 4/23/15
 Operator (print) Signature Z# Initials Date
Jackie Romero Jackie Romero 1187066 JR 4/24/15
 Operator (print) Signature Z# Initials Date
Elvira Cordova EC 114188 EC 4/24/15
 Operator (print) Signature Z# Initials Date
Jackie Romero Jackie Romero 1187066 JR 4-25-15
 Operator (print) Signature Z# Initials Date
Elvira Cordova EC 114188 EC 4-25-15
 Operator (print) Signature Z# Initials Date
Jackie Romero Jackie Romero 1187066 JR 4-26-15
 Operator (print) Signature Z# Initials Date
Elvira Cordova EC 114188 EC 4-26-15
 Operator (print) Signature Z# Initials Date

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 1 NITRATE SALT TRU WASTE CONTAINER DAILY TEMPERATURE DATA SHEET

6.[6] Date: From 04/20/15 to 04/26/15

		Monday 6.[6] Start Time: <u>09:40</u> <u>04/20/15</u>	Tuesday 6.[6] Start Time: <u>10:08</u>	Wednesday 6.[6] Start Time: <u>10:06</u>	Thursday <u>12:06</u> Start Time: <u>04/22/15</u>	Friday 6.[6] Start Time: <u>07:02</u>	Saturday 6.[6] Start Time: <u>07:19</u>	Sunday 6.[6] Start Time: <u>07:24</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>06/12/15</u> File Number: <u>101915</u>	Brand <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>06/12/15</u> File Number: <u>101915</u>	Brand <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>06/12/15</u> File Number: <u>101915</u>	Brand <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>06/12/15</u> File Number: <u>101915</u>	Brand <u>FLUKE</u> Model: <u>561</u> Cal. Due Date: <u>06-12-15</u> File Number: <u>101915</u>	Brand <u>FLUKE</u> Model: <u>561</u> Cal. Due Date: <u>06-12-15</u> File Number: <u>101915</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>06-12-15</u> File Number: <u>101915</u>
Ambient Temperature (6.[7])		<u>53.7</u> °F	<u>56.7</u> °F	<u>60.5</u> °F	<u>64.2</u> °F	<u>53.3</u> °F	<u>54.1</u> °F	<u>52.5</u> °F
Container ID #		Temp (°F) (6.[8]/6.[9])						
68685		<u>54.5</u>	<u>56.3</u>	<u>60.5</u>	<u>63.9</u>	<u>55.0</u>	<u>54.7</u>	<u>54.1</u>
LA0000070503	68540	<u>54.5</u>	<u>56.3</u>	<u>60.5</u>	<u>63.9</u>	<u>54.5</u>	<u>54.5</u>	<u>53.8</u>
	68553	<u>54.3</u>	<u>56.2</u>	<u>60.7</u>	<u>64.7</u>	<u>54.2</u>	<u>53.5</u>	<u>52.5</u>
69445		<u>54.7</u>	<u>56.3</u>	<u>60.8</u>	<u>64.1</u>	<u>54.5</u>	<u>54.7</u>	<u>52.9</u>
69618		<u>54.2</u>	<u>55.9</u>	<u>60.0</u>	<u>63.6</u>	<u>54.5</u>	<u>54.3</u>	<u>53.1</u>
69013		<u>54.6</u>	<u>56.4</u>	<u>60.0</u>	<u>63.2</u>	<u>55.0</u>	<u>54.5</u>	<u>54.2</u>
LASB50522		<u>55.6</u>	<u>57.0</u>	<u>60.6</u>	<u>63.3</u>	<u>55.2</u>	<u>55.2</u>	<u>54.7</u>
LASB50452		<u>55.6</u>	<u>57.0</u>	<u>60.5</u>	<u>63.5</u>	<u>55.0</u>	<u>55.0</u>	<u>54.5</u>
LASB50431		<u>55.5</u>	<u>56.9</u>	<u>60.3</u>	<u>63.2</u>	<u>54.9</u>	<u>55.1</u>	<u>54.7</u>
LASB50069		<u>54.9</u>	<u>56.8</u>	<u>60.0</u>	<u>63.2</u>	<u>54.8</u>	<u>55.2</u>	<u>54.4</u>
LASB50073		<u>54.3</u>	<u>56.8</u>	<u>60.1</u>	<u>62.5</u>	<u>55.2</u>	<u>55.4</u>	<u>54.7</u>
69636		<u>55.5</u>	<u>56.7</u>	<u>59.9</u>	<u>63.5</u>	<u>55.5</u>	<u>56.5</u>	<u>54.7</u>
69616		<u>55.5</u>	<u>57.0</u>	<u>60.3</u>	<u>63.0</u>	<u>55.3</u>	<u>55.5</u>	<u>54.9</u>
69417		<u>55.5</u>	<u>56.9</u>	<u>60.6</u>	<u>62.9</u>	<u>55.3</u>	<u>55.6</u>	<u>54.9</u>

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6.[6] Date: From 04/20/15 to 04/26/15

Container ID #	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	Temp (°F) (6.[8]/6.[9])						
TA-54-375 Cell 1 (continued)							
69620	55.3	56.5	59.9	62.9	55.6	55.5	55.1
69520	55.1	56.9	60.1	62.6	55.4	55.4	55.0
69641	56.6	57.1	60.4	63.0	55.9	56.1	55.4
69298	55.3	57.2	60.8	63.5	55.9	56.2	55.2
LASB02203	55.7	56.9	60.4	62.6	55.4	56.0	54.9
Ambient Temperature (6.[13])	54.3 °F	56.2 °F	60.3 °F	63.7 °F	53.5 °F	54.3 °F	53.1 °F
End Time (6.[14])	0955	1013	1012	1230	0706	0724	0728
6.[14]	Operator: <u>CA</u> Operator: <u>SRV</u>	Operator: <u>EP</u> Operator: <u>SRV</u>					

6.[2] Comments:

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6.[6] Date: From 042015 to 042615

6.[18] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Tina Aguirre	<i>Tina Aguirre</i>	116578	TA	04-20-15
Joshea Lopez	<i>Joshea Lopez</i>	116578	JL	04-20-15
Tina Aguirre	<i>Tina Aguirre</i>	116578	TA	04-21-15
Joshea Lopez	<i>Joshea Lopez</i>	116578	JL	04-21-15
Tina Aguirre	<i>Tina Aguirre</i>	116578	TA	04-21-15
Joshea Lopez	<i>Joshea Lopez</i>	116578	JL	04-21-15
Tina Aguirre	<i>Tina Aguirre</i>	116578	TA	04-23-15

Operator (print)	Signature	Z#	Initials	Date
Joshea Lopez	<i>Joshea Lopez</i>	116578	JL	04-23-15
Juan Garcia	<i>Juan Garcia</i>	116840	JG	04-24-15
Pancho Miera	<i>Pancho Miera</i>	123576	PM	04-24-15
Juan Garcia	<i>Juan Garcia</i>	116840	JG	04-25-15
Pancho Miera	<i>Pancho Miera</i>	123576	PM	04-25-15
Edward Prohira	<i>Edward Prohira</i>	110497	EP	04-26-15
Pancho Miera	<i>Pancho Miera</i>	123576	PM	04-26-15

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 4-20-15 to 4-26-15

	Monday 6.[6] Start Time: <u>0956</u>	Tuesday 6.[6] Start Time: <u>1014</u>	Wednesday 6.[6] Start Time: <u>1013</u>	Thursday 6.[6] Start Time: <u>1231</u>	Friday 6.[6] Start Time: <u>0707</u>	Saturday 6.[6] Start Time: <u>0725</u>	Sunday 6.[6] Start Time: <u>0729</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.[7])	<u>55.7</u> °F	<u>57.0</u> °F	<u>60.0</u> °F	<u>61.6</u> °F	<u>55.6</u> °F	<u>55.1</u> °F	<u>55.3</u> °F
Container ID #	Temp (°F) (6.[8]/6.[9])						
LASB02198	<u>56.1</u>	<u>57.1</u>	<u>59.4</u>	<u>62.0</u>	<u>55.9</u>	<u>54.4</u>	<u>55.2</u>
68638	<u>56.6</u>	<u>56.6</u>	<u>59.7</u>	<u>62.3</u>	<u>55.4</u>	<u>54.7</u>	<u>55.3</u>
69615	<u>55.4</u>	<u>56.7</u>	<u>59.9</u>	<u>62.8</u>	<u>55.5</u>	<u>55.2</u>	<u>54.8</u>
69635	<u>56.0</u>	<u>57.1</u>	<u>60.0</u>	<u>63.2</u>	<u>56.3</u>	<u>55.9</u>	<u>55.8</u>
69642	<u>55.8</u>	<u>56.9</u>	<u>60.0</u>	<u>62.9</u>	<u>55.7</u>	<u>55.8</u>	<u>55.3</u>
69630	<u>56.4</u>	<u>57.0</u>	<u>60.0</u>	<u>62.8</u>	<u>55.9</u>	<u>55.5</u>	<u>55.4</u>
69633	<u>56.3</u>	<u>58.1</u>	<u>60.0</u>	<u>62.5</u>	<u>56.5</u>	<u>56.0</u>	<u>56.1</u>
68430	<u>56.4</u>	<u>57.7</u>	<u>60.2</u>	<u>62.7</u>	<u>56.0</u>	<u>55.3</u>	<u>55.3</u>
68631	<u>55.7</u>	<u>56.8</u>	<u>59.8</u>	<u>62.6</u>	<u>55.3</u>	<u>55.1</u>	<u>55.3</u>
69634	<u>55.7</u>	<u>57.7</u>	<u>60.6</u>	<u>62.0</u>	<u>55.8</u>	<u>55.3</u>	<u>55.5</u>
68567	<u>55.9</u>	<u>57.4</u>	<u>59.4</u>	<u>62.9</u>	<u>55.6</u>	<u>55.1</u>	<u>55.4</u>
94227	<u>55.7</u>	<u>57.4</u>	<u>59.7</u>	<u>62.1</u>	<u>55.6</u>	<u>55.3</u>	<u>55.3</u>
LASB50442	<u>56.5</u>	<u>57.1</u>	<u>60.1</u>	<u>62.8</u>	<u>55.7</u>	<u>55.3</u>	<u>55.5</u>
69644	<u>56.5</u>	<u>58.2</u> <u>56.8</u>	<u>59.9</u>	<u>62.7</u>	<u>56.6</u>	<u>55.8</u>	<u>55.9</u>
LASB50443	<u>56.1</u>	<u>57.1</u>	<u>59.4</u>	<u>62.9</u>	<u>56.1</u>	<u>55.6</u>	<u>55.6</u>
69638	<u>56.9</u>	<u>57.5</u>	<u>59.6</u>	<u>62.7</u>	<u>56.1</u>	<u>55.4</u>	<u>55.3</u>

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6.[6] Date: From 042015 to 042615

Container ID #	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	Temp (°F) (6.[8]/6.[9])						
TA-54-375 Cell 2 (continued)							
68624	56.6	58.7	60.0	63.1	56.7	56.2	58.4
68507	56.6	57.5	60.3	62.5	56.6	55.4	56.3
69568	56.8	57.0	59.9	62.0	56.2	55.2	55.9
69553	56.4	56.9	59.5	61.7	56.0	55.5	55.7
69598	56.1	56.8	59.4	61.5	55.8	55.1	55.8
LASB50559	56.1	57.3	59.7	61.9	56.2	55.3	55.9
69015	56.8	58.0	59.9	62.5	56.4	55.6	56.0
69639	57.3	58.2	60.0	62.8	57.0	56.4	56.8
69637	56.9	57.8	59.6	62.8	56.4	56.3	56.2
Ambient Temperature (6.[13])	55.4 °F	57.2 °F	60.2 °F	61.5 °F	55.8 °F	55.6 °F	55.4 °F
End Time (6.[14])	1002	1019	1019	1235	0713	0731	0732
6.[14]	Operator: [Signature]						

6.[2] Comments:

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6.[6] Date: From 042015 to 042615

6.[18] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Lina Aguirre		116598	LA	4-20-15
Josue Lopez		116598	JL	042015
Lina Aguirre		116598	LA	042115
Josue Lopez		116598	JL	042115
Lina Aguirre		116598	LA	042215
Josue Lopez		116598	JL	042015
Lina Aguirre		116598	LA	042315

Operator (print)	Signature	Z#	Initials	Date
Josue Lopez		116598	JL	042315
JUAN GARCIA		116840	JG	04-24-15
Pancho Miera		235765	PM	4-24-15
Juan Garcia		116840	JG	4-25-15
Pancho Miera		235765	PM	4-25-15
Edward Padron		110407	EP	4-26-15
Pancho Miera		235765	PM	4-26-15

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 04/20/15 to 04/26/15

	Monday 6.[6] Start Time: <u>0941</u>	Tuesday 6.[6] Start Time: <u>1003</u>	Wednesday 6.[6] Start Time: <u>1000</u>	Thursday 6.[6] Start Time: <u>1221</u>	Friday 6.[6] Start Time: <u>0657</u>	Saturday 6.[6] Start Time: <u>0713</u>	Sunday 6.[6] Start Time: <u>0719</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>06-12-15</u> File Number <u>101916</u>	Brand <u>Fluke</u> Model <u>561</u> Cal Due Date <u>06-12-15</u> File Number <u>101916</u>	Brand <u>Fluke</u> Model <u>561</u> Cal Due Date <u>06-12-15</u> File Number <u>101916</u>	Brand <u>Fluke</u> Model <u>561</u> Cal Due Date <u>06-12-15</u> File Number <u>101916</u>	Brand <u>FLUKE</u> Model <u>561</u> Cal Due Date <u>06-12-15</u> File Number <u>101916</u>	Brand <u>FLUKE</u> Model <u>561</u> Cal Due Date <u>06-12-15</u> File Number <u>101916</u>	Brand <u>Fluke</u> Model <u>561</u> Cal Due Date <u>06-12-15</u> File Number <u>101916</u>
Ambient Temperature (6.7D)	<u>54.4</u> °F	<u>56.8</u> °F	<u>60.3</u> °F	<u>63.0</u> °F	<u>56.1</u> °F	<u>54.0</u> °F	<u>55.8</u> °F
Container ID #	Temp (°F) (6.[8]6.[9])						
69519	<u>56.2</u>	<u>57.6</u>	<u>60.7</u>	<u>62.7</u>	<u>56.8</u>	<u>55.0</u>	<u>56.7</u>
69645	<u>56.3</u>	<u>57.7</u>	<u>60.7</u>	<u>62.7</u>	<u>57.0</u>	<u>55.2</u>	<u>57.0</u>
94068	<u>56.4</u>	<u>57.5</u>	<u>60.4</u>	<u>62.9</u>	<u>57.2</u>	<u>55.3</u>	<u>57.3</u>
93605	<u>56.1</u>	<u>57.3</u>	<u>61.0</u>	<u>63.5</u>	<u>57.2</u>	<u>54.9</u>	<u>57.0</u>
69548	<u>56.1</u>	<u>57.1</u>	<u>60.5</u>	<u>63.1</u>	<u>56.7</u>	<u>54.6</u>	<u>56.7</u>
69604	<u>56.3</u>	<u>57.6</u>	<u>60.4</u>	<u>63.0</u>	<u>57.1</u>	<u>55.0</u>	<u>57.0</u>
LASB50529	<u>55.9</u>	<u>57.9</u>	<u>60.5</u>	<u>63.0</u>	<u>56.3</u>	<u>55.2</u>	<u>57.0</u>
LASB50418	<u>55.9</u> <u>56.6</u>	<u>58.2</u>	<u>61.0</u>	<u>63.3</u>	<u>56.8</u>	<u>54.7</u>	<u>56.3</u>
69036	<u>56.1</u> <u>55.15</u>	<u>57.2</u>	<u>60.7</u>	<u>63.2</u>	<u>56.4</u>	<u>54.1</u>	<u>56.4</u>
LASB50451	<u>55.9</u>	<u>57.8</u>	<u>60.3</u>	<u>63.3</u>	<u>56.5</u>	<u>54.5</u>	<u>56.3</u>
69559	<u>55.9</u>	<u>57.1</u>	<u>60.5</u>	<u>61.3</u>	<u>56.5</u>	<u>54.4</u>	<u>56.5</u>
LASB50448	<u>55.9</u>	<u>56.9</u>	<u>60.6</u>	<u>62.8</u>	<u>56.8</u>	<u>54.6</u>	<u>56.6</u>
87823	<u>55.9</u>	<u>56.8</u>	<u>61.2</u>	<u>61.8</u>	<u>56.2</u>	<u>53.9</u>	<u>55.9</u>
87825	<u>55.7</u>	<u>56.7</u>	<u>61.2</u>	<u>63.5</u>	<u>55.9</u>	<u>53.4</u>	<u>53.7</u>
87826	<u>55.4</u>	<u>56.6</u>	<u>61.3</u>	<u>61.6</u>	<u>56.7</u>	<u>54.4</u>	<u>56.4</u>
87827	<u>55.4</u>	<u>56.7</u>	<u>61.3</u>	<u>61.2</u>	<u>56.7</u>	<u>54.4</u>	<u>56.4</u>

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6.1[18] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Tina Aguirre	<i>Tina Aguirre</i>	1165781	JA	04-20-15
Josue Lopez	<i>Josue Lopez</i>	1165781	JL	04-20-15
Tina Aguirre	<i>Tina Aguirre</i>	1165781	JA	04-21-15
Josue Lopez	<i>Josue Lopez</i>	1165781	JL	04-21-15
Tina Aguirre	<i>Tina Aguirre</i>	1165781	JA	04-22-15
Josue Lopez	<i>Josue Lopez</i>	1165781	JL	04-22-15
Tina Aguirre	<i>Tina Aguirre</i>	1165781	JA	04-23-15
Josue Lopez	<i>Josue Lopez</i>	1165781	JL	04-23-15
Tina Aguirre	<i>Tina Aguirre</i>	1165781	JA	04-23-15
Josue Lopez	<i>Josue Lopez</i>	1165781	JL	04-23-15

Operator (print)	Signature	Z#	Initials	Date
Josue Lopez	<i>Josue Lopez</i>	1165781	JL	04-23-15
Juan Garcia	<i>Juan Garcia</i>	116840	JG	04-24-15
Pancho Miera	<i>Pancho Miera</i>	1235765	PM	04-24-15
Juan Garcia	<i>Juan Garcia</i>	116840	JG	04-25-15
Pancho Miera	<i>Pancho Miera</i>	1235765	PM	04-25-15
Edmond Rocha	<i>Edmond Rocha</i>	1100417	ER	04-26-15
Pancho Miera	<i>Pancho Miera</i>	1235765	PM	04-26-15

9.1[2] Reviewed by:

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 4-24-15 to 4-24-15 Location Dome 375

	Start Time 6 [6]													
Calibrated Infrared Thermometer (4.2.1 [1] [8])	0641	0732	0854	0928	1031	1135	1236	1331	1434	1530	1625	1723		
Brand														
Model														
Cal. Due Date														
File Number														
Ambient Temperature (8 [7])	53.70°F	53.64°F	53.88°F	54.11°F	54.56°F	55.73°F	57.60°F	58.77°F	60.09°F	59.61°F	60.07°F	60.09°F		
Container ID # (6 [8] [6] [9])														
Temp (°F) (6 [8] [6] [9])														
68685 T1	53.83	53.81	54.04	54.28	54.72	55.9	57.71	58.71	59.96	59.48	59.9	59.84		
68685 T2	53.45	53.40	53.65	53.87	54.32	55.45	57.26	58.12	59.29	58.78	59.16	59.17		
50522 T1	54.48	54.39	54.58	54.69	55	55.82	57.26	58.02	59.11	58.81	59.12	59.1		
50522 T5	54.38	54.33	54.68	54.65	54.96	55.88	57.35	58.05	59.07	58.68	59.06	59.04		

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6.1 Date: From 4-24-15 to 4-24-15 Location: Dome 373

6.2 Comments: NC

6.1.1 Performed by:
 Operator (print) Juan Garcia 169840 4-24-15
 Signature [Signature] Z# 169840 Initials JG Date 4-24-15
 Operator (print) Vancho Miera 135165 4-24-15
 Signature [Signature] Z# 135165 Initials VM Date 4-24-15
~~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

9.1.2 Reviewed by:
 SORM or designee (print) [Signature] 114186 4-24-15
 Signature [Signature] Z# 114186 Initials EC Date 4-24-15

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6 [6] Date: From 4/24/15 to 4/25/15 Location: Dome 375 Cell 4

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])			
NA															
Ambient Temperature (6 [13])	59.59°F	58.58°F	57.55°F	55.07°F	53.82°F	52.87°F	51.94°F	51.02°F	50.53°F	50.29°F	51.84°F	52.58°F			
End Time (6 [14])	1832	1930	2027	2128	2230	2327	0028	0133	0226	0324	0427	0524			
6 [14]	Operator MV WJK	Operator: MV WJK	Operator: MV WJK	Operator: WJK Operator: MV	Operator: WJK Operator: MV	Operator: WJK Operator: MV	Operator: MV Operator: WJK	Operator: MV Operator: WJK	Operator: WJK Operator: MV	Operator: WJK Operator: MV	Operator: WJK Operator: MV	Operator: WJK Operator: MV	Operator: Operator:	Operator: Operator:	

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6 [6] Date: From 4-24-15 to 4-25-15 Location: Dome 375 Cell 1

6 [2] Comments:

~~no data for 4/24-15 and 4/25-15~~

6 [18] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Michael Vigil	<i>Michael Vigil</i>	1215207	mv	4/24/15
William S. Bank	<i>William S. Bank</i>	112807	WB	4-24-15
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
Floris, Linda A	<i>Floris, Linda A</i>	1124186	FLA	4-25-15

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6.1.1 Date: From 4-25-15 to 4-25-15 Location: Zone 375 Cell 1

6.1.2 Comments: NC

6.1.3 Performed by:

Operator (print)	Signature	Z#	Initials	Date
Juan Garcia	<i>Juan Garcia</i>	108840	JG	4-25-15
Operator (print)	Signature	Z#	Initials	Date
Pancho Miera	<i>Pancho Miera</i>	235765	PM	4-25-15
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

9.1.2 Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date
Shirley Cordova	<i>Shirley Cordova</i>	114168	SC	4-25-15

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

6 [6] Date: From 4-25-15 to 4-26-15 Location: 375

	Start Time 6 [6]													
Calibrated Infrared Thermometer (4.2.11)(B)	1926	1932	2232	2131	2229	2325	0026	0128	0226	0326	0426	0526		
Brand	A													
Model	A													
Cal. Due Date	NA													
File Number	NA													
Ambient Temperature (6 [7])	61.36F	60.18	57.86	56.10	55.94	55.74	55.43	55.09	54.24	53.99	53.53	53.37		
Container ID # (6 [8] 6 [9])														
Temp (°F) (6 [8] 6 [9])														
69685 T1	61.07	59.75	57.42	55.84	55.81	55.7	55.39	55.14	54.77	54.05	53.65	53.54		
68685 T2	60.26	59.02	56.83	55.35	55.41	55.31	55.02	54.69	54.40	53.62	53.24	53.13		
50522 T4	60.21	59.26	57.53	56.22	56.14	56.03	55.81	55.56	55.29	54.77	54.38	54.24		
50522 T5	60.04	59.04	57.21	55.98	56.0	55.89	55.67	55.46	55.18	54.57	54.25	54.15		

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6.1[6] Date: From 4-25-15 to 4-26-15 Location: 375

6.1[2] Comments:

[Handwritten mark resembling 'H' or 'A' with a diagonal slash]

6.1[8] Performed by:

Operator (print)	Signature	Z#	Initials	Date
<i>Joseph...</i>	<i>[Signature]</i>			<i>04/26/15</i>
<i>Joseph...</i>	<i>[Signature]</i>			<i>04/26/15</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

9.1[2] Reviewed by:

[Signature] *[Signature]* *11/18/15* *04/26/15*
 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 4-26-15 to 4-26-15 Location Dome 375

	Start Time 6 [6]													
Calibrated Infrared Thermometer (4.2.11[B])	0842	0734	0832	0930	1030	1125	1230	1329	1430	1529	1630	1729		
Brand														
Model														
Cal. Due Date														
File Number														
Ambient Temperature (6.7)	53.42 F	52.23 F	52.78 F	52.05 F	52.91 F	52.44 F	51.62 F	52.71 F	53.84 F	54.62 F	55.20 F	55.16 F		
Container ID # (6.18.6 [9])	Temp (°F)													
6868571	53.58	53.38	52.99	52.3	53.75	53.34	52.54	53.05	54.14	54.87	55.36	55.26		
6868572	53.19	52.99	52.58	51.85	53.35	53.03	52.93	52.63	53.69	54.41	54.87	54.72		
5052274	54.22	54.06	53.78	53.29	54.06	53.74	53.36	53.64	54.44	55.01	55.39	55.36		
5052275	54.13	54	53.6	53.08	54	53.62	53.12	53.6	54.5	55.05	55.42	55.33		

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6.16 Date: From 4-26-15 to 4-26-15 Location: Dome 375

6.17 Comments: NC

6.18 Performed by:

Operator (print)	Signature	Z#	Initials	Date
<u>Pancho Miera</u>	<u>[Signature]</u>	<u>285716</u>	<u>PM</u>	<u>4-26-15</u>
Operator (print)	Signature	Z#	Initials	Date
<u>Edward Pabon</u>	<u>[Signature]</u>	<u>100497</u>	<u>EP</u>	<u>4-26-15</u>
Operator (print)	Signature	Z#	Initials	Date
<u>Elroy Wilson</u>	<u>[Signature]</u>	<u>114188</u>	<u>EC</u>	<u>4-26-15</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
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Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date

9.12 Reviewed by:

SQM or designee (print)	Signature	Z#	Initials	Date
<u>Jackie Romero</u>	<u>[Signature]</u>	<u>118706</u>	<u>JR</u>	<u>4-26-15</u>

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

6 [6] Date: From 4-26-15 to 4-27-15 Location: Dome 375

	Start Time 6 [6] 1830	Start Time 6 [6] 1929	Start Time 6 [6] 2033	Start Time 6 [6] 2126	Start Time 6 [6] 2226	Start Time 6 [6] 2326	Start Time 6 [6] 0030	Start Time 6 [6] 0135	Start Time 6 [6] 0229	Start Time 6 [6] 0327	Start Time 6 [6] 0426	Start Time 6 [6] 0521	Start Time 6 [6]	Start Time 6 [6]
Calibrated Infrared Thermometers (4.2.1 [1] [B])	Brand Model Cal. Due Date File Number													
Ambient Temperature (6.7)	53.57F	54.52F	53.09F	52.75F	53.54F	52.71F	53.02F	52.18F	52.88F	52.69F	52.84F	52.32F		
Container ID # (6.18) (6.19)	Temp (°F) (6.18) (6.19)	Temp (°F) (6.18) (6.19)	Temp (°F) (6.18) (6.19)	Temp (°F) (6.18) (6.19)	Temp (°F) (6.18) (6.19)	Temp (°F) (6.18) (6.19)	Temp (°F) (6.18) (6.19)	Temp (°F) (6.18) (6.19)	Temp (°F) (6.18) (6.19)	Temp (°F) (6.18) (6.19)	Temp (°F) (6.18) (6.19)	Temp (°F) (6.18) (6.19)	Temp (°F) (6.18) (6.19)	Temp (°F) (6.18) (6.19)
702 68685	53.65	54.61	53.07	52.0	54.65	52.23	53.80	52.95	53.77	52.48	52.81	52.0		
703 68685	53.07	54.64	52.65	51.46	53.55	51.72	53.52	52.29	53.42	51.84	53.35	51.48		N/A
704 58522	53.66	55.01	53.92	52.66	54.37	53.06	53.83	53.56	53.85	53.20	53.97	52.78		
705 58522	53.63	54.96	53.73	52.93	54.28	52.86	53.82	53.36	53.79	52.77	53.89	52.62		
							N/A							

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6.[6] Date: From 4-26-15 to 4-27-15 Location: Dome 375

Container ID # (6.18)(6.19)	Temp (°F) (6.18)(6.19)	Temp (°F) (6.18)(6.19)	Temp (°F) (6.18)(6.19)											
N/A														
Ambient Temperature (6.12)	55.57°F	54.52°F	53.08°F	57.75°F	53.26°F	51.71°F	53.02°F	52.16°F	52.91°F	52.69°F	52.84°F	51.32°F	_____°F	_____°F
End Time (6.14)	1830	1929	2033	2126	2227	2327	0030	0126	0229	0327	0426	0521	_____	_____
6.14	Operator <i>WJK</i> Operator <i>JR</i>	Operator <i>WJK</i> Operator <i>JR</i>	Operator <i>JR</i> Operator <i>WJK</i>	Operator <i>WJK</i> Operator <i>JR</i>	Operator <i>JR</i> Operator <i>WJK</i>	Operator <i>JR</i> Operator <i>WJK</i>	Operator <i>WJK</i> Operator <i>JR</i>	Operator <i>JR</i> Operator <i>WJK</i>	Operator <i>JR</i> Operator <i>WJK</i>	Operator <i>WJK</i> Operator <i>JR</i>	Operator <i>WJK</i> Operator <i>JR</i>	Operator <i>WJK</i> Operator <i>JR</i>	Operator Operator	Operator Operator

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6 [6] Date: From 4-26-15 to 4-27-15 Location: Dema 375

6 [12] Comments:

N/A

6 [18] Performed by:

Operator (print)	Signature	Z#	Initials	Date
<i>John O'Quinn</i>	<i>[Signature]</i>	<i>119638</i>	<i>JO</i>	<i>4-26-15</i>
<i>William C. Baker</i>	<i>[Signature]</i>	<i>111007</i>	<i>WB</i>	<i>4-26-15</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
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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
<i>John O'Quinn</i>	<i>[Signature]</i>	<i>119638</i>	<i>JO</i>	<i>4-27-15</i>