

From: Haagenstad, Mark P

Sent: Friday, March 27, 2015 3:18 PM

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Cc: Pete Maggiore; Silas DeRoma; Cummings, Lisa K; Nickless, David J; Bishop, M. Lee; Turner, Gene E; Armijo, Karen (CONTR); Wallace, Terry C; Torres, Enrique; Woitte, Deborah Kay; Clemmons, Steve; Allen, Don; Brandt, Michael Thomas; Sharp-Geiger, Raeanna Racine; Dorries, Alison Marie; Grieggs, Tony; Bacigalupa, Gian A; Vigil-Holterman, Luciana R; Alexander, Rick A; Baumer, Andy; Martinez, Sandra; Sauer, Selena Z; Schreiber, Arleen Thorn; Maestas, Pamela Therese; Hargis, Kenneth Marshall; Cabbil, Cheryl Denise; Young, Steven L; Erickson, Randy; Funk, David John; Alexander, Rick A; Frederici, Dave; Robinson, Bruce Alan; Lansing, Michael Alan; Tymkowych, John M; Diaz, Tammy; Branch, Yvette S; Guffee, Debi; Juarez, Catherine L; Armijo, Karen (CONTR); Haagenstad, Mark P

Subject: Daily Technical Submission - March 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

March 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.
 - Newly suspect nitrate salt-bearing waste containers.
 - Two containers are located in Dome 232 and two containers are located Dome 153.
 - All entry into the domes is currently restricted.
 - Planning is underway to move the containers into the 375 Permacon.
- **Monitoring - Daily Temperature**
 - Temperatures remain below 90°F.
 - Previous day's 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.
 - March 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 March, LANL has conducted HSG sampling on 55 SWBs.
- **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 (5) other SWB overpacks (containing 55-gallon drums of remediated nitrate salt-bearing waste).
 - Continue twice-weekly HSG sample collection.
 - March 26, 2015 HSG data attached.

- H₂, CO, CO₂ and N₂O
 - Newly suspect nitrate salt-bearing waste containers located in Domes 232 and 153
 - HSG sample collection began on March 26, 2015
 - March 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:

- At approximately 12:00 PM today (March 27, 2015), the four newly identified suspect nitrate salt-bearing waste containers were moved from Domes 153 and 232 into Dome 375 Permacon Cell 3 and are currently under isolation. LANL will be providing to NMED-HWB a revision to the Revised LANL Nitrate Salt-Bearing Waste Container Isolation Plan that incorporates proposed changes for the four newly identified suspect nitrate salt-bearing waste containers currently in isolation in the Dome 375 Permacon.

Next Call: Tuesday, March 31, 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	In progress	
53.	NMED requested the document “TA-55 Cement Fixation Drum Logbook” referenced in the CCP AK document.	LANL	In progress	

Remediated Nitrate Salt Container Headspace Gas Analysis

	68685				SB50522				87823			
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
03/27/15	122	414	8906	2206	2361	504	36100	1061	187	164	4431	506

Remediated Nitrate Salt Container Headspace Gas Analysis

	87825				87826				87827			
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
03/27/15	209	219	7182	892	218	271	9460	920	46	0	2686	242

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 3-23-15 to 3-29-15

	Monday 6.[6] Start Time: <u>0815</u>	Tuesday 6.[6] Start Time: <u>1133</u>	Wednesday 6.[6] Start Time: <u>0857</u>	Thursday 6.[6] Start Time: <u>0907</u>	Friday 6.[6] Start Time: _____	Saturday 6.[6] Start Time: _____	Sunday 6.[6] Start Time: _____
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>07/29/15</u> File Number <u>101974</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>07/29/15</u> File Number <u>101974</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>07/29/15</u> File Number <u>101974</u>	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>52.4</u> °F	<u>59.8</u> °F	<u>52.1</u> °F	<u>52.6</u> °F	_____ °F	_____ °F	_____ °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>53.4</u>	<u>59.5</u>	<u>54.0</u>	<u>53.3</u>			
S802833	<u>52.7</u>	<u>58.3</u>	<u>52.7</u>	<u>53.2</u>			
S801676	<u>52.6</u>	<u>58.4</u>	<u>53.2</u>	<u>53.4</u>			
S816810	<u>55.2</u>	<u>58.5</u>	<u>54.7</u>	<u>57.7</u>			
70069	<u>55.2</u>	<u>57.9</u>	<u>54.4</u>	<u>57.1</u>			
S822844	<u>55.3</u>	<u>58.3</u>	<u>55.0</u>	<u>58.7</u>			
S825879	<u>55.1</u>	<u>58.9</u>	<u>54.5</u>	<u>58.4</u>			
S793724	<u>55.4</u>	<u>58.7</u>	<u>54.6</u>	<u>58.0</u>			
S813545	<u>55.0</u>	<u>58.7</u>	<u>54.7</u>	<u>57.4</u>			
S822713	<u>53.6</u>	<u>59.5</u>	<u>53.8</u>	<u>56.5</u>			
S802739	<u>53.0</u>	<u>59.2</u>	<u>53.2</u>	<u>54.4</u>			
69907	<u>53.0</u>	<u>59.1</u>	<u>52.9</u>	<u>53.6</u>			
S804995	<u>53.4</u>	<u>60.0</u>	<u>53.5</u>	<u>55.1</u> <u>55.1</u>			
S816434	<u>54.4</u>	<u>60.1</u>	<u>55.0</u>	<u>55.4</u>			

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6.[6] Date: From 3-23-15 to 3-29-15

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-54-231 (continued)								
S805289	53.8	60.0	54.2	55.1	/			
S862888	53.7	59.6	53.6	54.8				
70072	53.3	59.4	53.6	53.9				
S823184	53.4	59.9	53.6	56.9				
S822599	54.1	59.3	54.3	57.2				
69904	54.7	58.6	54.5	57.7				
S805051	54.9	58.5	54.5	57.9				
S864213	55.1	58.6	53.2	56.6				
S853714	55.0	58.5	55.2	57.1				
S803078	54.8	59.0	54.4	57.1				
S825878	55.1	58.7	55.0	57.1				
S823124	54.9	59.2	55.0	55.1				
S804948	53.7	59.7	54.4	54.1				
S813385	53.7	60.6	53.8	54.1				
S842446	54.3	59.9	55.4	55.1				
Ambient Temperature (6.[12])	53.3 °F	59.9 °F	52.2 °F	53.8 °F		_____ °F	_____ °F	_____ °F
End Time (6.[13])	0820	1145	0907	0917		_____	_____	_____
6.[13]	Operator: <u>JR</u> Operator: <u>EC</u>	Operator: <u>AL</u> Operator: <u>AL</u>	Operator: <u>AL</u> Operator: <u>FE</u>	Operator: <u>AL</u> Operator: <u>JV</u>		Operator: _____ Operator: _____	Operator: _____ Operator: _____	Operator: _____ Operator: _____

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6.[6] Date: From 3-23-15 to 3-29-15

6.[2] Comments: Rev 5 Completed 3-26-15, Rev 6 started on 3-27-15

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Jackie Romero	<i>Jackie Romero</i>	1187064	JR	13-23-15
Elo D. Cordova	<i>Elo D. Cordova</i>	1114188	SC	13-23-15
Joseph Duran	<i>Joseph Duran</i>	1151971	JD	13/24/15
Thomas Vigil	<i>Thomas Vigil</i>	1236382	TV	13/24/15
Josua Lopez	<i>Josua Lopez</i>	1165781	JL	03/24/15
Joseph Duran	<i>Joseph Duran</i>	1151971	JD	03/25/15
Thomas Vigil	<i>Thomas Vigil</i>	1236382	TV	13/25/15

Operator (print)	Signature	Z#	Initials	Date
Thomas Vigil	<i>Thomas Vigil</i>	1236382	TV	3/24/15
Joseph Duran	<i>Joseph Duran</i>	1151971	JD	13/26/15
Operator (print)	/	/	/	/
Operator (print)	/	/	/	/
Operator (print)	/	/	/	/
Operator (print)	/	/	/	/
Operator (print)	/	/	/	/
Operator (print)	/	/	/	/
Operator (print)	/	/	/	/
Operator (print)	/	/	/	/

8.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date
<i>Mark L. ...</i>	<i>Mark L. ...</i>	1224934	ML	3-26-15

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 3-23-15 to 3-29-15

		Monday 6.[6] Start Time: <u>1150</u>	Tuesday 6.[6] Start Time: <u>1502</u>	Wednesday 6.[6] Start Time: <u>0955</u>	Thursday 6.[6] Start Time: <u>1117</u>	Friday 6.[6] Start Time: _____	Saturday 6.[6] Start Time: _____	Sunday 6.[6] Start Time: _____
TA-54-375 Cell 1								
Calibrated Infrared Thermometer (4.2.1[1][B])		Brand: <u>Fluke</u> Model: <u>361</u> Cal. Due Date: <u>6/2/15</u> File Number <u>101915</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>6/2/15</u> File Number <u>101915</u>	Brand: <u>Fluke</u> Model: <u>361</u> Cal. Due Date: <u>6/2/15</u> File Number <u>101915</u>	Brand: <u>Fluke</u> Model: <u>361</u> Cal. Due Date: <u>6/2/15</u> File Number <u>101916</u>	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>58.6</u> °F	<u>68.2</u> °F	<u>53.2</u> °F	<u>55.2</u> °F	_____ °F	_____ °F	_____ °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])	Temp (°F) (6.[8]/6.[9])
68685	<u>58.0</u>	<u>66.2</u>	<u>55.1</u>	<u>55.8</u>				
LA00000070503	68540	<u>57.8</u>	<u>66.2</u>	<u>54.8</u>	<u>56.4</u>			
	68553	<u>57.9</u>	<u>66.5</u>	<u>55.5</u>	<u>55.8</u>			
69445	<u>58.7</u>	<u>66.2</u>	<u>54.1</u>	<u>56.4</u>				
69618	<u>57.4</u>	<u>65.5</u>	<u>54.5</u>	<u>56.2</u>				
69013	<u>58.2</u>	<u>66.0</u>	<u>55.2</u>	<u>56.8</u>				
LASB50522	<u>58.5</u>	<u>65.7</u>	<u>56.0</u>	<u>56.6</u>				
LASB50452	<u>58.3</u>	<u>65.8</u>	<u>56.1</u>	<u>56.6</u>				
LASB50431	<u>58.3</u>	<u>65.9</u>	<u>55.7</u>	<u>56.6</u>				
LASB50069	<u>58.3</u>	<u>66.2</u>	<u>56.1</u>	<u>56.5</u>				
LASB50073	<u>58.0</u>	<u>65.8</u>	<u>55.5</u>	<u>56.5</u>				
69636	<u>58.3</u>	<u>65.7</u>	<u>55.1</u>	<u>57.0</u>				
69616	<u>58.3</u>	<u>65.4</u>	<u>55.2</u>	<u>57.0</u>				
69417	<u>58.2</u>	<u>66.0</u>	<u>55.6</u>	<u>57.2</u>				

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6.[6] Date: From 3-23-15 to 3-29-15

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	58.2	65.7	55.7	57.7	/			
69520	58.4	65.9	55.9	57.7				
69641	58.6	66.0	56.0	57.2				
69298	58.6	65.8	55.9	57.4				
LASB02203	58.3	64.9	55.7	57.1				
Ambient Temperature (6.[12])	58.1 °F	67.4 °F	54.2 °F	55.9 °F		_____ °F	_____ °F	_____ °F
End Time (6.[13])	1154	1507	0958	1122				
6.[13]	Operator: <i>[Signature]</i> Operator: <i>[Signature]</i>	Operator: <i>[Signature]</i> Operator: <i>[Signature]</i>	Operator: <i>[Signature]</i> Operator: <i>[Signature]</i>	Operator: <i>[Signature]</i> Operator: <i>[Signature]</i>	Operator: _____ Operator: _____	Operator: _____ Operator: _____	Operator: _____ Operator: _____	

6.[2] Comments: Rev 5 completed at 3-26-15 Rev 6 started
3-27-15 M/V

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6.[6] Date: From 3-23-15 to 3-29-15

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Thomas Vireo		123382	TV	3/23/15
Joshua Lopez		116578	JL	0323/15
Thomas Vireo		123382	TV	3/24/15
Joshua Lopez		116578	JL	0324/15
Thomas Vireo		123382	TV	3/25/15
Joshua Lopez		116578	JL	0325/15
Thomas Vireo		123382	TV	3/26/15

Operator (print)	Signature	Z#	Initials	Date
Tony Sena		1237392	TS	3/24/15
/	/	/	/	/
/	/	/	/	/
/	/	/	/	/
/	/	/	/	/
/	/	/	/	/
/	/	/	/	/
/	/	/	/	/

8.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date
Robert L. Ward		122493	RW	3-26-15

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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 3-23-15 to 3-29-15

	Monday 6.[6] Start Time: <u>1155</u>	Tuesday 6.[6] <u>1508</u> Start Time: <u>1155</u>	Wednesday 6.[6] Start Time: <u>0959</u>	Thursday 6.[6] Start Time: <u>1123</u>	Friday 6.[6] Start Time: _____	Saturday 6.[6] Start Time: _____	Sunday 6.[6] Start Time: _____
TA-54-375 Cell 2							
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand: <u>Fluke</u> Model: <u>S61</u> Cal. Due Date: <u>6/12/15</u> File Number: <u>101912</u>	Brand: <u>Fluka</u> Model: <u>S61</u> Cal. Due Date: <u>6/12/15</u> File Number: <u>101912</u>	Brand: <u>Fluke</u> Model: <u>S61</u> Cal. Due Date: <u>6/12/15</u> File Number: <u>101912</u>	Brand: <u>Fluke</u> Model: <u>S61</u> Cal. Due Date: <u>6/12/15</u> File Number: <u>101912</u>	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>88.1</u> °F	<u>64.8</u> °F	<u>55.6</u> °F	<u>56.8</u> °F	_____ °F	_____ °F	_____ °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>57.4</u>	<u>64.3</u>	<u>55.8</u>	<u>56.7</u>			
68638	<u>58.0</u>	<u>65.4</u>	<u>56.2</u>	<u>56.9</u>			
69615	<u>58.0</u>	<u>65.5</u>	<u>56.0</u>	<u>57.8</u>			
69635	<u>58.6</u>	<u>65.7</u>	<u>56.5</u>	<u>57.5</u>			
69642	<u>58.2</u>	<u>65.8</u>	<u>55.9</u>	<u>57.4</u>			
69630	<u>58.7</u>	<u>65.7</u>	<u>55.9</u>	<u>57.6</u>			
69633	<u>58.4</u>	<u>65.5</u>	<u>56.4</u>	<u>57.5</u>			
68430	<u>58.0</u>	<u>65.7</u>	<u>56.1</u>	<u>57.0</u>			
68631	<u>57.9</u>	<u>65.7</u>	<u>56.1</u>	<u>57.2</u>			
69634	<u>58.0</u>	<u>65.0</u>	<u>56.5</u>	<u>56.8</u>			
68567	<u>57.9</u>	<u>64.1</u>	<u>55.7</u>	<u>56.7</u>			
94227	<u>58.3</u>	<u>64.6</u>	<u>55.8</u>	<u>57.0</u>			
LASB50442	<u>57.4</u>	<u>65.7</u>	<u>56.8</u>	<u>57.5</u>			
69644	<u>57.3</u>	<u>65.3</u>	<u>56.8</u>	<u>57.6</u>			
LASB50443	<u>57.4</u>	<u>64.9</u>	<u>56.8</u>	<u>57.4</u>			
69638	<u>57.7</u>	<u>65.2</u>	<u>56.6</u>	<u>58.4</u>			

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6.[6] Date: From 3-23-15 to 3-29-15

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	57.8	65.8	56.4	56.0	/			
68507	57.7	64.8	56.3	57.8				
69568	56.9	64.5	56.0	57.4				
69553	56.8	63.9	55.8	56.3				
69598	57.7	63.8	55.8	56.4				
LASB50559	57.6	64.9	55.9	57.3				
69015	58.0	64.8	56.6	57.9				
69639	58.1	65.2	57.0	58.2				
69637	58.0	65.3	56.6	58.0				
Ambient Temperature (6.[12])	57.7 °F	64.4 °F	55.5 °F	57.0 °F		°F	°F	°F
End Time (6.[13])	1702	1515	1004	1130				
6.[13]	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: _____ Operator: _____	Operator: _____ Operator: _____	Operator: _____ Operator: _____

6.[2] Comments: Rev 5 Completed 3-26-15, Rev 6 started on 3-27-15

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6.[6] Date: From 3-23-15 to 3-29-15

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Thomas Vigil		1236382	TV	3/23/15
Operator (print)	Signature	Z#	Initials	Date
Josea Lopez		1165781	JL	03/25/15
Operator (print)	Signature	Z#	Initials	Date
Thomas Vigil		1236382	TV	3/24/15
Operator (print)	Signature	Z#	Initials	Date
Josea Lopez		1165781	JL	03/24/15
Operator (print)	Signature	Z#	Initials	Date
Thomas Vigil		1236382	TV	3/25/15
Operator (print)	Signature	Z#	Initials	Date
Josea Lopez		1165781	JL	03/25/15
Operator (print)	Signature	Z#	Initials	Date
Thomas Vigil		1236382	TV	3/26/15

Operator (print)	Signature	Z#	Initials	Date
Tony Serra		237392	TS	13/26/15
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
/	/	/	/	/

8.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date
Sam Mally		226221	SM	3/26/15

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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 3-23-15 to 3-29-15

	Monday 6.[6] Start Time: <u>1143</u>	Tuesday 6.[6] Start Time: <u>1452</u>	Wednesday 6.[6] Start Time: <u>0948</u>	Thursday 6.[6] Start Time: <u>1108</u>	Friday 6.[6] Start Time: _____	Saturday 6.[6] Start Time: _____	Sunday 6.[6] Start Time: _____
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: _____ 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>58.5</u> °F	<u>66.7</u> °F	<u>55.0</u> °F	<u>56.3</u> °F	_____ °F	_____ °F	_____ °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>58.1</u>	<u>65.8</u>	<u>55.4</u>	<u>57.2</u>			
69645	<u>58.6</u>	<u>66.0</u>	<u>56.5</u>	<u>57.3</u>			
94068	<u>58.5</u>	<u>66.0</u>	<u>55.6</u>	<u>57.4</u>			
93605	<u>58.9</u>	<u>66.2</u>	<u>55.9</u>	<u>56.9</u>			
69548	<u>59.0</u>	<u>66.1</u>	<u>56.8</u>	<u>56.8</u>			
69604	<u>58.5</u>	<u>66.4</u>	<u>56.6</u>	<u>56.9</u>			
LASB50529	<u>58.7</u>	<u>66.2</u>	<u>56.1</u>	<u>57.6</u>			
LASB50418	<u>58.9</u>	<u>65.8</u>	<u>55.9</u>	<u>57.9</u>			
69036	<u>58.9</u>	<u>65.0</u>	<u>56.3</u>	<u>57.4</u>			
LASB50451	<u>58.7</u>	<u>66.1</u>	<u>56.4</u>	<u>57.0</u>			
69559	<u>59.6</u>	<u>66.0</u>	<u>56.3</u>	<u>56.9</u>			
LASB50448	<u>59.4</u>	<u>65.3</u>	<u>56.4</u>	<u>57.1</u>			
Ambient Temperature (6.[12])	<u>59.0</u> °F	<u>67.6</u> °F	<u>54.6</u> °F	<u>57.0</u> °F	_____ °F	_____ °F	_____ °F
End Time (6.[13])	<u>1149</u>	<u>1457</u>	<u>0952</u>	<u>1112</u>			
6.[13]	Operator: <u>JL</u> Operator: <u>JL</u>	Operator: <u>JL</u> Operator: <u>JL</u>	Operator: <u>JL</u> Operator: <u>JL</u>	Operator: <u>JL</u> Operator: <u>JL</u>	Operator: _____ Operator: _____	Operator: _____ Operator: _____	Operator: _____ Operator: _____

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6.[6] Date: From 3-23-15 to 3-29-15

6.[2] Comments: Rev 5 Completed 3-25-15 Rev 6 started
3-26-15 NCV

6.[17] Performed by:

Thomas Kiser	[Signature]	12358	TK	3/23/15	Tony Sena	[Signature]	237392	TS	3/26/15
Operator (print)	Signature	Z#	Initials	Date	Operator (print)	Signature	Z#	Initials	Date
Joshua Lopez	[Signature]	116578	JL	3/23/15	/	/	/	/	/
Operator (print)	Signature	Z#	Initials	Date	Operator (print)	Signature	Z#	Initials	Date
Thomas Kiser	[Signature]	12358	TK	3/24/15	/	/	/	/	/
Operator (print)	Signature	Z#	Initials	Date	Operator (print)	Signature	Z#	Initials	Date
Joshua Lopez	[Signature]	116578	JL	3/24/15	/	/	/	/	/
Operator (print)	Signature	Z#	Initials	Date	Operator (print)	Signature	Z#	Initials	Date
Thomas Kiser	[Signature]	12358	TK	3/25/15	/	/	/	/	/
Operator (print)	Signature	Z#	Initials	Date	Operator (print)	Signature	Z#	Initials	Date
Joshua Lopez	[Signature]	116578	JL	3/25/15	/	/	/	/	/
Operator (print)	Signature	Z#	Initials	Date	Operator (print)	Signature	Z#	Initials	Date
Thomas Kiser	[Signature]	12358	TK	3/26/15	/	/	/	/	/
Operator (print)	Signature	Z#	Initials	Date	Operator (print)	Signature	Z#	Initials	Date

8.1[2] Reviewed by:

Michael L Wanda [Signature] 124934 MLW 3-26-15

SOM or designee (print) Signature Z# Initials Date

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ATTACHMENT 6

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

6.[6] Date: From 3-26-15 to 3-26-15 Location: 375

	Start Time: 6.[6] <u>0629</u>	Start Time: 6.[6] <u>0730</u>	Start Time: 6.[6] <u>0828</u>	Start Time: 6.[6] <u>0927</u>	Start Time: 6.[6] <u>1027</u>	Start Time: 6.[6]	Start Time: 6.[6]	Start Time: 6.[6]	Start Time: 6.[6]	Start Time: 6.[6]	Start Time: 6.[6]	Start Time: 6.[6]	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: _____	Brand: _____ Model: _____ Cal. Due Date: _____ File Number: _____
Ambient Temperature (6.[7])	<u>51.13</u> °F	<u>51.08</u> °F	<u>53.22</u> °F	<u>51.38</u> °F	<u>54.04</u> °F	_____ °F	_____ °F	_____ °F	_____ °F	_____ °F	_____ °F	_____ °F	_____ °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])	Temp (°F) (6.[8]/6.[9])
<u>68685 T1</u>	<u>52.71</u>	<u>52.74</u>	<u>52.73</u>	<u>52.44</u>	<u>54.86</u>										
<u>68685 T2</u>	<u>52.10</u>	<u>52.19</u>	<u>52.76</u>	<u>51.98</u>	<u>54.20</u>										
<u>50522 T4</u>	<u>53.03</u>	<u>53.03</u>	<u>53.42</u>	<u>53.07</u>	<u>54.90</u>										
<u>50522 T5</u>	<u>52.91</u>	<u>52.93</u>	<u>53.23</u>	<u>52.84</u>	<u>54.73</u>										
<u>N/A</u>															

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6.[6] Date: From 3-26-15 to 3-26-15 Location: 375

6.[2] Comments: Rev 5 ^{with} ended with 1028 check, Rev 6 begins with 1130 check with 3-26-15

N/A

6.[17] Performed by:

William Suarez / [Signature] / 2014581 / WS / 3-26-15

Operator (print) Signature Z# Initials Date

Sesse Chavez / [Signature] / 2014581 / SC / 3-26-15

Operator (print) Signature Z# Initials Date

Cammy / [Signature] / 2014581 / CA / 3-26-15

Operator (print) Signature Z# Initials Date

Lina Aguirre / [Signature] / 2014581 / LA / 3-26-15

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

8.1[2] Reviewed by:

Robert V. Harder / [Signature] / 224931 / RV / 3-26-15

SOM or designee (print) Signature Z# Initials Date

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

6 [a] Date From 3-26-15 to 3-26-15 Location 375

Calibrated Infrared Thermometer (4.2 [1] [B])	Start Time 6 [6]	Start Time 6 [6]	Start Time 6 [6]	Start Time 6 [6]	Start Time 6 [6]	Start Time 6 [6]	Start Time 6 [6]	Start Time 6 [6]	Start Time 6 [6]	Start Time 6 [6]	Start Time 6 [6]	Start Time 6 [6]	Start Time 6 [6]	Start Time 6 [6]	Start Time 6 [6]	
	Brand	Brand	Brand	Brand	Brand	Brand	Brand	Brand	Brand	Brand	Brand	Brand	Brand	Brand	Brand	
Model	Model	Model	Model	Model	Model	Model	Model	Model	Model	Model	Model	Model	Model	Model	Model	
Cal Due Date	Cal Due Date	Cal Due Date	Cal Due Date	Cal Due Date	Cal Due Date	Cal Due Date	Cal Due Date	Cal Due Date	Cal Due Date	Cal Due Date	Cal Due Date	Cal Due Date	Cal Due Date	Cal Due Date	Cal Due Date	
File Number	File Number	File Number	File Number	File Number	File Number	File Number	File Number	File Number	File Number	File Number	File Number	File Number	File Number	File Number	File Number	
Ambient Temperature	54.96	56.69	58.67	60.63	61.44	61.6	61.07									
Unit 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]	Temp (°F) 6 [8] 6 [9]	Temp (°F) 6 [8] 6 [9]
468571	55.20	56.83	58.78	60.39	61.1	61.35	60.76									
686852	55.51	56.13	57.99	59.46	60.20	60.37	59.85									
5092278	55.13	56.28	57.82	59.45	59.82	60.04	59.79									
5092275	55.08	56.84	57.89	59.13	59.79	59.99	59.69									
N/A																

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6. [9] Date, From 3-26-15 to 3-26-15 Location 375

6. [2] Comments Rev 5 Ended at 1028. Rev 6 will
 begin with 1130 check MIV

N/A

6. [18] Performed by:

Operator (print)	Signature	Z	Initials	Date	Operator (print)	Signature	Z	Initials	Date
Isma Aguirre	[Signature]	Z	[Initials]	3-26-15	Operator (print)	Signature	Z	Initials	Date
Operator (print)	Signature	Z	Initials	Date	Operator (print)	Signature	Z	Initials	Date
William Torres	[Signature]	Z	[Initials]	3-26-15	Operator (print)	Signature	Z	Initials	Date
Operator (print)	Signature	Z	Initials	Date	Operator (print)	Signature	Z	Initials	Date
Jose Chavez	[Signature]	Z	[Initials]	3-26-15	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	Operator (print)	Signature	Z	Initials	Date

9. [2] Reviewed by: Ruben V. Garcia
 Signature: [Signature] Z: [Initials] Date: 3-26-15

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

6.[6] Date: From 3-26-15 to 3-27-15 Location: 375

	Start Time: 6.[6] <u>1839</u>	Start Time: 6.[6] <u>1928</u>	Start Time: 6.[6] <u>2030</u>	Start Time: 6.[6] <u>2128</u>	Start Time: 6.[6] <u>2231</u>	Start Time: 6.[6] <u>2330</u>	Start Time: 6.[6] <u>0031</u>	Start Time: 6.[6] <u>0127</u>	Start Time: 6.[6] <u>0250</u>	Start Time: 6.[6] <u>0329</u>	Start Time: 6.[6] <u>0427</u>	Start Time: 6.[6] <u>0527</u>	Start Time: 6.[6]	Start Time: 6.[6]
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand: <u>h</u> Model: <u>h</u> Cal. Due Date: <u>h</u> File Number	Brand: <u>NA</u> Model: <u>NA</u> Cal. Due Date: File Number	Brand: <u>h</u> Model: <u>h</u> Cal. Due Date: File Number	Brand: <u>2128</u> Model: <u>NA</u> Cal. Due Date: File Number	Brand: <u>h</u> Model: <u>h</u> Cal. Due Date: File Number	Brand: <u>NA</u> Model: <u>h</u> Cal. Due Date: File Number	Brand: <u>h</u> Model: <u>h</u> Cal. Due Date: File Number	Brand: <u>NA</u> Model: <u>h</u> Cal. Due Date: File Number	Brand: <u>h</u> Model: <u>h</u> Cal. Due Date: File Number	Brand: <u>NA</u> Model: <u>NA</u> Cal. Due Date: File Number	Brand: <u>NA</u> Model: <u>NA</u> Cal. Due Date: File Number	Brand: <u>h</u> Model: <u>h</u> Cal. Due Date: File Number	Brand: <u>h</u> Model: <u>h</u> Cal. Due Date: File Number	Brand: <u>h</u> Model: <u>h</u> Cal. Due Date: File Number
Ambient Temperature (6.[7])	<u>59.95</u> °F	<u>58.11</u> °F	<u>55.4</u> °F	<u>54.36</u> °F	<u>53.47</u> °F	<u>52.30</u> °F	<u>52.26</u> °F	<u>52.70</u> °F	<u>52.84</u> °F	<u>51.70</u> °F	<u>52.99</u> °F	<u>52.64</u> °F	°F	°F
Container ID # (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9]) <u>65645 21</u>	Temp (°F) (6.[8]/6.[9]) <u>65685 22</u>	Temp (°F) (6.[8]/6.[9]) <u>50522 T4</u>	Temp (°F) (6.[8]/6.[9]) <u>50522 55</u>	Temp (°F) (6.[8]/6.[9]) <u>NA</u>	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>59.72</u>	<u>57.79</u>	<u>55.27</u>	<u>54.16</u>	<u>53.39</u>	<u>52.28</u>	<u>52.42</u>	<u>53.18</u>	<u>53.29</u>	<u>52.32</u>	<u>53.63</u>	<u>53.34</u>		
	<u>59.88</u>	<u>57.01</u>	<u>54.63</u>	<u>53.66</u>	<u>52.91</u>	<u>51.83</u>	<u>52.11</u>	<u>52.63</u>	<u>52.98</u>	<u>51.66</u>	<u>53.15</u>	<u>52.97</u>		
	<u>59.07</u>	<u>57.68</u>	<u>55.72</u>	<u>54.85</u>	<u>54.2</u>	<u>53.30</u>	<u>53.21</u>	<u>53.90</u>	<u>53.44</u>	<u>53.21</u>	<u>53.25</u>	<u>53.44</u>		
	<u>58.97</u>	<u>57.43</u>	<u>55.45</u>	<u>54.65</u>	<u>54.00</u>	<u>53.12</u>	<u>53.11</u>	<u>53.71</u>	<u>53.6</u>	<u>52.98</u>	<u>53.20</u>	<u>53.58</u>		

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6.[6] Date: From 3-26-15 to 3-27-15 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														
Ambient Temperature (6.[13])	57.91 °F	58.08 °F	55.6 °F	54.38 °F	53.47 °F	52.28 °F	52.33 °F	52.70 °F	52.87 °F	51.70 °F	52.99 °F	52.71 °F	°F	°F
End Time (6.[14])	1830	1929	2031	2129	2232	2331	0052	0127	0231	0329	0427	0528		
6.[14]	Operator: <u>AE</u> Operator: <u>WJC</u>	Operator: <u>WJC</u> Operator: <u>AE</u>	Operator: <u>AE</u> Operator: <u>WJC</u>	Operator: <u>WJC</u> Operator: <u>AE</u>	Operator: <u>AE</u> Operator: <u>WJC</u>	Operator: <u>WJC</u> Operator: <u>AE</u>	Operator: <u>AE</u> Operator: <u>WJC</u>	Operator: <u>WJC</u> Operator: <u>AE</u>	Operator: <u>AE</u> Operator: <u>WJC</u>	Operator: <u>WJC</u> Operator: <u>AE</u>	Operator: <u>WJC</u> Operator: <u>AE</u>	Operator: <u>AE</u> Operator: <u>WJC</u>	Operator:	Operator:

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6.[6] Date: From 3-26-15 to 3-27-15 Location: 375

6.[2] Comments: Did not enter dome 375 Permacon Per Standing Order 1247 Rev 2 Temperatures taken from dome 375 Central Room using data logger.

NA

6.[18] Performed by:

Operator (print)	Signature	Z#	Initials	Date
<u>Willie S. Cook</u>	<u>[Signature]</u>	<u>110917</u>	<u>WC</u>	<u>03-26-15</u>
Operator (print)	Signature	Z#	Initials	Date
<u>Gerald Espinoza</u>	<u>[Signature]</u>	<u>10574</u>	<u>GE</u>	<u>03-26-15</u>
Operator (print)	Signature	Z#	Initials	Date
	<u>NA</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
	<u>NA</u>			
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date

9.1[2] Reviewed by: Russell Warden [Signature] 22498 RW 3-27-15

SOM or designee (print)	Signature	Z#	Initials	Date
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