

From: Juarez, Catherine L

Sent: Thursday, August 13, 2015 6:39 PM

To: Ryan.Flynn@state.nm.us; Jeff.Kendall@state.nm.us; Kieling, John, NMENV (john.kieling@state.nm.us); <john.kieling@state.nm.us>; steve.pullen@state.nm.us; siona.briley@state.nm.us; ricardo.maestas@state.nm.us; Gregory.Lauer@state.nm.us; steve.holmes@state.nm.us; coleman.smith@state.nm.us; butch.tongate@state.nm.us; Cobrain, Dave, NMENV (dave.cobrain@state.nm.us) <dave.cobrain@state.nm.us>; kathryn.roberts@state.nm.us; Dhawan, Neelam, NMENV <neelam.dhawan@state.nm.us>

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Subject: RE: Weekly Technical Submission - August 7 to August 13, 2015

My apologies,

The attached weekly written technical submission is for August 7, 2015- August 13, 2015 and NOT July 31, 2015-August 6, 2015.

Attached is the written weekly technical submission for **August 7, 2015- August 13, 2015**. The Permittees are submitting the attached information pursuant to: Section 19 of the May 19, 2014, *Administrative Order*; the July 10, 2014, April 27, 2015 and May 8, 2015 letters from NMED regarding *Modification to May 19, 2014, Administrative Order*; and Section IX of the April 21, 2015, *LANL Nitrate Salt-Bearing Waste Container Isolation Plan, Revision 3*.

Please contact me if additional information would be helpful.

Cathy

From: Juarez, Catherine L

Sent: Thursday, August 13, 2015 6:32 PM

To: Ryan.Flynn@state.nm.us; Jeff.Kendall@state.nm.us; Kieling, John, NMENV (john.kieling@state.nm.us)<john.kieling@state.nm.us>; steve.pullen@state.nm.us; siona.briley@state.nm.us; ricardo.maestas@state.nm.us; Gregory.Lauer@state.nm.us; steve.holmes@state.nm.us; coleman.smith@state.nm.us; butch.tongate@state.nm.us; Cobrain, Dave, NMENV (dave.cobrain@state.nm.us) <dave.cobrain@state.nm.us>; kathryn.roberts@state.nm.us; Dhawan, Neelam, NMENV <neelam.dhawan@state.nm.us>

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Subject: Weekly Technical Submission - August 7 to August 13, 2015

Attached is the written weekly technical submission for July 31, 2015 – August 6, 2015. The Permittees are submitting the attached information pursuant to: Section 19 of the May 19, 2014, *Administrative Order*; the July 10, 2014, April 27, 2015 and May 8, 2015 letters from NMED regarding *Modification to May 19, 2014, Administrative Order*; and Section IX of the April 21, 2015, *LANL Nitrate Salt-Bearing Waste Container Isolation Plan, Revision 3*.

Please contact me if additional information would be helpful.

Cathy Juarez for

Mark Haagenstad
Environmental Protection Division
Compliance and Permitting Group
Los Alamos National Laboratory
Office: (505) 665-2014

NMED / LANL Technical Summary

August 7, 2015 – August 13, 2015

LANL Technical Update:

- **Location of Nitrate Salt-Bearing Wastes**
 - Remediated nitrate salt-bearing waste containers (55 SWBs and 4 POCs).
 - All containers remain in the 375 Permacon.
- **Monitoring - Daily Temperature**
 - Temperatures are currently below 90°F.
 - Previous 7 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.
 - August 7-13, 2015 HSG data (H_2 , CO, CO_2 and N_2O) attached.
 - Other containers:
 - A minimum of once per month HSG sampling will be conducted.
 - To date in August, LANL has conducted HSG sampling on 51 containers.
 - August 7, 11, & 12, 2015 HSG data (H_2 , CO, CO_2 and N_2O) attached.
- **Additional measures currently underway**
 - As a conservative measure, LANL is currently conducting additional monitoring. This additional monitoring includes:
 - Containers (SWBs) 68685 and SB50522.
 - LANL continuing *solid phase micro-extraction*.
 - Hourly temperature measurements are currently being performed on SWB 68685 and SB50522.
 - Five other SWB overpacks (containing 55-gallon drums of remediated nitrate salt-bearing waste) and four nitrate salt-bearing waste POCs.
 - Twice-weekly HSG sample collection.
 - August 10 & 13, 2015 HSG data (H_2 , CO, CO_2 and N_2O) attached.
- **Anticipated Changes to Nitrate Salt-Bearing Waste Containers (e.g. movement, re-packaging)**
 - Currently, no further movements or re-packaging are occurring.

Other:

- TA-54, Area G, Dome 375 Permacon supplemental cooling has concluded testing and is operational.

- Four POCs located within the Dome 375 Permacon were double packed into 85-gallon containers on August 13, 2015. This change will be reflected in all following updates.
- In accordance with NMED's August 12, 2015 letter, written submittals will occur monthly beginning August 19, 2015.
 - This submittal includes updates from August 7, 2015 – August 13, 2015.
 - The August 19, 2015 submittal will include updates from August 14, 2015 –August 19, 2015.
 - After the August 19, 2015, submittals will occur on the third Wednesday of every month.

Next Call: Wednesday, August 19, 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 ongoing 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	---	Complete Empty Parent June 16, 2014 Unremediated August 14, 2014 (Supplemental information discussed on sampling of parent containers) August 26, 2014 (Letter on applicability of LANL HWFP for opening waste containers)

	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	---	Complete May 6, 2015
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
08/07/15	160	483	12840	2785								
08/08/15	175	543	14982	3236								
08/09/15	147	392	11149	2395								
08/10/15	150	518	14358	3144	126	361	9110	1229	109	347	6796	393
08/11/15	168	503	14494	3169								
08/12/15	208	512	14747	3186								
08/13/15	148	500	13980	3050	168	552	13173	1915	107	331	6429	349

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
08/07/15												
08/08/15												
08/09/15												
08/10/15	293	597	14567	2637	539	1006	23849	3522	697	811	16005	2706
08/11/15												
08/12/15												
08/13/15	328	750	17294	3137	412	901	21927	3234	656	814	16189	2714

Remediated Nitrate Salt Container Headspace Gas Analysis

	SB50522				68430				68507				
	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
08/07/15		3357	465	39160	1366								
08/08/15		3617	514	43508	1533								
08/09/15		3565	500	40778	1436								
08/10/15		3622	513	42942	1511								
08/11/15		3400	497	41178	1430	181	225	3903	781	82	62	1140	50
08/12/15		3465	524	43274	1485								
08/13/15		3490	505	42956	1504								

Remediated Nitrate Salt Container Headspace Gas Analysis

	68567				68624				68631				
	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
08/07/15						40	102	1420	166				
08/08/15													
08/09/15													
08/10/15													
08/11/15										14	0	590	51
08/12/15	26	0	1045	113									
08/13/15													

Remediated Nitrate Salt Container Headspace Gas Analysis

	68638				69015				69519				
	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
08/07/15						61	49	985	87				
08/08/15													
08/09/15													
08/10/15													
08/11/15		13	0	332	17								
08/12/15										291	341	5950	2034
08/13/15													

Remediated Nitrate Salt Container Headspace Gas Analysis

Date	69568				69598				69633			
	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
08/07/15									385	425	6396	905
08/08/15												
08/09/15												
08/10/15												
08/11/15	91	137	387	472								
08/12/15					30	0	1049	61				
08/13/15												

Remediated Nitrate Salt Container Headspace Gas Analysis

Date	69634				69635				69637			
	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
08/07/15					168	222	3597	180	96	249	2951	700
08/08/15												
08/09/15												
08/10/15												
08/11/15												
08/12/15	82	0	1353	379								
08/13/15												

Remediated Nitrate Salt Container Headspace Gas Analysis

Date	69638				69639				69644			
	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
08/07/15	441	465	5715	637	128	178	4318	203	175	283	3758	991
08/08/15												
08/09/15												
08/10/15												
08/11/15												
08/12/15												
08/13/15												

Remediated Nitrate Salt Container Headspace Gas Analysis

	69645				93605				94068				
	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
08/07/15													
08/08/15													
08/09/15													
08/10/15													
08/11/15													
08/12/15		241	476	8748	1515	243	571	7953	2430	447	996	16208	4114
08/13/15													

Remediated Nitrate Salt Container Headspace Gas Analysis

	94227				SB02198				SB50442				
	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
08/07/15													
08/08/15													
08/09/15													
08/10/15													
08/11/15		28	60	184	351					234	362	4474	1005
08/12/15						1189	202	1233	389				
08/13/15													

Remediated Nitrate Salt Container Headspace Gas Analysis

Date	SB50559				87823				87825			
	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
08/07/15												
08/08/15												
08/09/15												
08/10/15					187	221	5539	1086	169	226	6339	1254
08/11/15	812	188	3233	190								
08/12/15												
08/13/15					198	227	5450	1062	183	238	6836	1358

Remediated Nitrate Salt Container Headspace Gas Analysis

Date	87826				87827			
	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm
08/07/15								
08/08/15								
08/09/15								
08/10/15	238	338	10802	1876	52	141	3572	468
08/11/15								
08/12/15								
08/13/15	249	376	11070	1924	56	154	4040	529

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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 8/3/15 to 8/9/15

	Monday 6.[6] Start Time: <u>0950</u>	Tuesday 6.[6] Start Time: <u>0746</u>	Wednesday 6.[6] Start Time: <u>0806</u>	Thursday 6.[6] Start Time: <u>0756</u>	Friday 6.[6] Start Time: <u>0718</u>	Saturday 6.[6] Start Time: <u>0646</u>	Sunday 6.[6] Start Time: <u>0638</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>7-5-16</u> File Number <u>101974</u>	Brand: <u>FLUKE</u> Model: <u>561</u> Cal. Due Date: <u>7-5-16</u> File Number <u>101974</u>	Brand: <u>FLUKE</u> Model: <u>561</u> Cal. Due Date: <u>7-5-16</u> File Number <u>101974</u>	Brand: <u>FLUKE</u> Model: <u>561</u> Cal. Due Date: <u>7-5-16</u> File Number <u>101974</u>	Brand: <u>FLUKE</u> Model: <u>561</u> Cal. Due Date: <u>7-5-16</u> File Number <u>101974</u>	Brand: <u>FLUKE</u> Model: <u>561</u> Cal. Due Date: <u>7-5-16</u> File Number <u>101974</u>	Brand: <u>FLUKE</u> Model: <u>561</u> Cal. Due Date: <u>7-5-16</u> File Number <u>101974</u>
Ambient Temperature (6.[7])	<u>62.6</u> °F	<u>61.3</u> °F	<u>63.8</u> °F	<u>63.0</u> °F	<u>56.8</u> °F	<u>57.1</u> °F	<u>58.0</u> °F
Container ID #	Temp (°F) (6.[8]/6.[9])						
68685	<u>61.6</u>	<u>60.7</u>	<u>62.0</u>	<u>61.4</u>	<u>56.7</u>	<u>56.5</u>	<u>57.3</u>
LA000000070503	68540	<u>62.0</u>	<u>60.5</u>	<u>61.3</u>	<u>55.3</u>	<u>57.2</u>	<u>57.4</u>
	68553	<u>62.0</u>	<u>60.7</u>	<u>63.8</u>	<u>62.1</u>	<u>55.9</u>	<u>57.6</u>
69445		<u>62.5</u>	<u>61.0</u>	<u>62.2</u>	<u>61.6</u>	<u>57.1</u>	<u>57.4</u>
69618		<u>62.3</u>	<u>60.8</u>	<u>62.8</u>	<u>61.7</u>	<u>56.9</u>	<u>56.8</u>
69013		<u>61.9</u>	<u>60.5</u>	<u>61.0</u>	<u>60.7</u>	<u>56.7</u>	<u>57.1</u>
LASB50522		<u>62.1</u>	<u>60.5</u>	<u>61.9</u>	<u>60.9</u>	<u>56.2</u>	<u>57.6</u>
LASB50452		<u>61.9</u>	<u>60.3</u>	<u>61.0</u>	<u>60.5</u>	<u>55.4</u>	<u>57.0</u>
LASB50431		<u>61.6</u>	<u>60.1</u>	<u>60.8</u>	<u>61.1</u>	<u>54.4</u>	<u>57.1</u>
LASB50069		<u>62.2</u>	<u>60.8</u>	<u>62.3</u>	<u>60.2</u>	<u>55.5</u>	<u>57.3</u>
LASB50073		<u>62.3</u>	<u>60.8</u>	<u>60.9</u>	<u>61.4</u>	<u>56.3</u>	<u>57.7</u>
69636		<u>61.6</u>	<u>59.8</u>	<u>60.7</u>	<u>59.9</u>	<u>55.1</u>	<u>57.5</u>
69616		<u>61.3</u>	<u>59.6</u>	<u>60.6</u>	<u>60.6</u>	<u>54.7</u>	<u>56.7</u>
69417		<u>61.5</u>	<u>59.7</u>	<u>60.4</u>	<u>60.5</u>	<u>55.7</u>	<u>57.1</u>

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6.[6] Date: From 8/3/15 to 8/9/15

Container ID #	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	Temp (°F) (6.[8]/6.[9])						
TA-54-375 Cell 1 (continued)							
69620	61.7	60.2	60.6	60.5	56.5	57.3	57.5
69520	61.5	60.2	61.1	60.4	56.0	56.9	57.0
69641	61.6	60.2	60.4	60.1	56.0	56.8	57.4
69298	61.7	60.1	61.1	60.8	55.5	56.7	57.2
LASB02203	61.5	60.0	61.2	60.7	54.3	56.6	57.0
Ambient Temperature (6.[13])	63.4 °F	61.8 °F	63.2 °F	62.3 °F	57.8 °F	57.7 °F	57.5 °F
End Time (6.[14])	0854	0752	0811	0802	0722	0650	0642
6.[14]	Operator: <u>CS</u> Operator: <u>NS</u>	Operator: <u>AM</u> Operator: <u>NS</u>	Operator: <u>HS</u> Operator: <u>AM</u>	Operator: <u>JS</u> Operator: <u>GM</u>	Operator: <u>RA</u> Operator: <u>RA</u>	Operator: <u>JA</u> Operator: <u>RA</u>	Operator: <u>JA</u> Operator: <u>RA</u>

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6.[6] Date: From 8/3/15 to 8/9/15

6.[18] Performed by:

<u>Lorenzo Montoya</u>	<u>/</u>	<u>11715261</u>	<u>C</u>	<u>18/3/15</u>
Operator (print)	Signature	Z#	Initials	Date
<u>Norman Sanchez</u>	<u>Norman Sanchez</u>	<u>11878181</u>	<u>NS</u>	<u>18-3-15</u>
Operator (print)	Signature	Z#	Initials	Date
<u>Gilbert Martinez</u>	<u>Gilbert M.</u>	<u>1492351</u>	<u>GM</u>	<u>18-4-15</u>
Operator (print)	Signature	Z#	Initials	Date
<u>Norman Sanchez</u>	<u>Norman Sanchez</u>	<u>11878181</u>	<u>NS</u>	<u>18-4-15</u>
Operator (print)	Signature	Z#	Initials	Date
<u>Norman Sanchez</u>	<u>Norman Sanchez</u>	<u>11878181</u>	<u>NS</u>	<u>18-5-15</u>
Operator (print)	Signature	Z#	Initials	Date
<u>Gilbert Martinez</u>	<u>Gilbert M.</u>	<u>1492351</u>	<u>GM</u>	<u>18-5-15</u>
Operator (print)	Signature	Z#	Initials	Date
<u>Norman Sanchez</u>	<u>Norman Sanchez</u>	<u>11878181</u>	<u>NS</u>	<u>18-6-15</u>
Operator (print)	Signature	Z#	Initials	Date

<u>Gilbert Martinez</u>	<u>Gilbert M.</u>	<u>1492351</u>	<u>GM</u>	<u>18-6-15</u>
Operator (print)	Signature	Z#	Initials	Date
<u>Tina Aguirre</u>	<u>Tina Aguirre</u>	<u>1249271</u>	<u>AT</u>	<u>18-7-15</u>
Operator (print)	Signature	Z#	Initials	Date
<u>Richard Atencio</u>	<u>Richard Atencio</u>	<u>1217395</u>	<u>RA</u>	<u>18-7-15</u>
Operator (print)	Signature	Z#	Initials	Date
<u>Tina Aguirre</u>	<u>Tina Aguirre</u>	<u>1249271</u>	<u>AT</u>	<u>18-8-15</u>
Operator (print)	Signature	Z#	Initials	Date
<u>Richard Atencio</u>	<u>Richard Atencio</u>	<u>1217395</u>	<u>RA</u>	<u>18-8-15</u>
Operator (print)	Signature	Z#	Initials	Date
<u>Tina Aguirre</u>	<u>Tina Aguirre</u>	<u>1249271</u>	<u>AT</u>	<u>18-9-15</u>
Operator (print)	Signature	Z#	Initials	Date
<u>Richard Atencio</u>	<u>Richard Atencio</u>	<u>1217395</u>	<u>RA</u>	<u>18-9-15</u>
Operator (print)	Signature	Z#	Initials	Date

9.1[2] Reviewed by:

<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>
SOM or designee (print)	Signature	Z#	Initials

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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 8/3/15 to 8/9/15

	Monday 6.[6] Start Time: <u>0855</u>	Tuesday 6.[6] Start Time: <u>0753</u>	Wednesday 6.[6] Start Time: <u>0813</u>	Thursday 6.[6] Start Time: <u>0803</u>	Friday 6.[6] Start Time: <u>0783</u>	Saturday 6.[6] Start Time: <u>0651</u>	Sunday 6.[6] Start Time: <u>0643</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>7-4-16</u> File Number <u>101916</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-8-16</u> File Number <u>101916</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-8-16</u> File Number <u>101916</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-8-16</u> File Number <u>101916</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-8-16</u> File Number <u>101916</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-8-16</u> File Number <u>101916</u>
Ambient Temperature (6.[7])	<u>60.7</u> °F	<u>60.6</u> °F	<u>59.9</u> °F	<u>59.2</u> °F	<u>56.4</u> °F	<u>55.7</u> °F	<u>56.3</u> °F
Container ID #	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])
LASB02198	<u>60.2</u>	<u>59.6</u>	<u>59.1</u>	<u>59.7</u>	<u>56.1</u>	<u>56.1</u>	<u>57.3</u>
68638	<u>60.3</u>	<u>59.5</u>	<u>58.4</u>	<u>59.1</u>	<u>56.5</u>	<u>55.5</u>	<u>56.6</u>
69615	<u>60.8</u>	<u>59.6</u>	<u>60.7</u>	<u>58.8</u>	<u>55.7</u>	<u>56.6</u>	<u>56.3</u>
69635	<u>61.0</u>	<u>60.0</u>	<u>60.2</u>	<u>60.4</u>	<u>56.3</u>	<u>57.0</u>	<u>56.9</u>
69642	<u>60.9</u>	<u>59.9</u>	<u>60.7</u>	<u>59.8</u>	<u>56.5</u>	<u>56.9</u>	<u>57.1</u>
69630	<u>61.3</u>	<u>60.0</u>	<u>59.8</u>	<u>59.1</u>	<u>56.4</u>	<u>56.9</u>	<u>57.7</u>
69633	<u>60.5</u>	<u>59.8</u>	<u>58.6</u>	<u>58.5</u>	<u>56.6</u>	<u>57.0</u>	<u>57.4</u>
68430	<u>60.2</u>	<u>60.1</u>	<u>58.7</u>	<u>57.8</u>	<u>56.4</u>	<u>56.7</u>	<u>57.3</u>
68631	<u>59.9</u>	<u>59.3</u>	<u>57.5</u>	<u>59.1</u>	<u>56.8</u>	<u>56.2</u>	<u>57.6</u>
69634	<u>60.2</u>	<u>59.6</u>	<u>57.9</u>	<u>57.7</u>	<u>55.8</u>	<u>55.9</u>	<u>57.0</u>
68567	<u>60.4</u>	<u>59.5</u>	<u>57.5</u>	<u>56.9</u>	<u>55.5</u>	<u>56.5</u>	<u>56.8</u>
94227	<u>60.2</u>	<u>59.4</u>	<u>57.8</u>	<u>57.2</u>	<u>56.1</u>	<u>56.4</u>	<u>56.7</u>
LASB50442	<u>60.4</u>	<u>59.6</u>	<u>60.7</u>	<u>59.7</u>	<u>56.3</u>	<u>56.4</u>	<u>56.8</u>
69644	<u>60.1</u>	<u>59.9</u>	<u>58.2</u>	<u>58.0</u>	<u>56.2</u>	<u>56.5</u>	<u>56.8</u>
LASB50443	<u>60.7</u>	<u>60.0</u>	<u>57.8</u>	<u>59.0</u>	<u>56.9</u>	<u>57.1</u>	<u>56.8</u>
69638	<u>60.3</u>	<u>59.6</u>	<u>58.1</u>	<u>58.2</u>	<u>56.0</u>	<u>56.6</u>	<u>56.8</u>

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6.[6] Date: From 8/3/15 to 8/9/15

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	60.2	59.6	58.1	57.6	56.6	56.5	57.0
68507	60.1	59.7	57.6	57.6	56.2	56.7	57.6
69568	60.1	59.5	58.0	57.5	55.5	55.8	57.1
69553	60.2	56.5	56.6	57.6	55.4	55.7	57.4
69598	60.5	60.3	57.7	57.3	56.8	56.3	57.0
LASB50559	60.0	59.4	56.9	56.8	55.5	55.9	56.8
69015	60.2	59.6	57.2	57.0	55.7	56.1	57.2
69639	60.5	59.8	58.9	57.5	56.1	57.5	57.4
69637	60.2	59.7	58.4	57.6	56.4	56.4	57.3
Ambient Temperature (6.[13])	61.0 60.0m °F 07/31/15	60.5 °F	60.2 °F	58.5 °F	55.5 °F	55.8	56.8 °F
End Time (6.[14])	0902	0759	0818	0809	0727	0654	0647
6.[14]	Operator: <u>C</u> Operator: <u>NS</u>	Operator: <u>Mu</u> Operator: <u>NS</u>	Operator: <u>NS</u> Operator: <u>AM</u>	Operator: <u>NS</u> Operator: <u>GM</u>	Operator: <u>RA</u> Operator: <u>RR</u>	Operator: <u>RA</u> Operator: <u>RA</u>	Operator: <u>RA</u> Operator: <u>RA</u>

6.[2] Comments:

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6.[6] Date: From 8/3/15 to 8/9/15

6.[18] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Norman Sanchez / Norman Sanchez		1187818	NS	8-3-15
Gilbert Martinez / G.M.f		1149235	GM	8-4-15
Norman Sanchez / Norman Sanchez		1187818	NS	8-4-15
Norman Sanchez / Norman Sanchez		1187818	NS	8-5-15
Gilbert Martinez / G.M.f		1149235	GM	8-5-15
Norman Sanchez / Norman Sanchez		1187818	NS	8-6-15

Operator (print)	Signature	Z#	Initials	Date
Tina Aguirre / Tina Aguirre		1217395	TA	8-7-15
Richard Atencio / Richard Atencio		1217395	RA	8-7-15
Tina Aguirre / Tina Aguirre		1217395	TA	8-8-15
Richard Atencio / Richard Atencio		1217395	RA	8-8-15
Tina Aguirre / Tina Aguirre		1217395	TA	8-9-15
Richard Atencio / Richard Atencio		1217395	RA	8-9-15

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 8/3/15 to 8/9/15

	Monday 6.[6] Start Time: <u>0845</u>	Tuesday 6.[6] Start Time: <u>0739</u>	Wednesday 6.[6] Start Time: <u>0800</u>	Thursday 6.[6] Start Time: <u>0750</u>	Friday 6.[6] Start Time: <u>0715</u>	Saturday 6.[6] Start Time: <u>0642</u>	Sunday 6.[6] Start Time: <u>0634</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>7-7-16</u> File Number <u>040986</u>	Brand: <u>FLUKE</u> Model: <u>561</u> Cal. Due Date <u>7-7-16</u> File Number <u>040986</u>	Brand: <u>FLUKE</u> Model: <u>561</u> Cal. Due Date <u>7-7-16</u> File Number <u>040986</u>	Brand: <u>FLUKE</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number <u>040986</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number <u>040986</u>	Brand: <u>FLUKE</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number <u>040986</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number <u>040986</u>
Ambient Temperature (6.[7])	<u>59.2</u> °F	<u>58.6</u> °F	<u>54.6</u> °F	<u>57.3</u> °F	<u>54.4</u> °F	<u>55.6</u> °F	<u>55.9</u> °F
Container ID #	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])
69519	<u>58.8</u>	<u>57.9</u>	<u>54.3</u>	<u>52.6</u>	<u>52.4</u>	<u>54.4</u>	<u>55.0</u>
69645	<u>58.2</u>	<u>57.7</u>	<u>52.1</u>	<u>51.6</u>	<u>52.3</u>	<u>54.2</u>	<u>54.8</u>
94068	<u>58.2</u>	<u>57.6</u>	<u>53.8</u>	<u>52.1</u>	<u>52.5</u>	<u>54.7</u>	<u>54.2</u>
93605	<u>58.8</u>	<u>58.0</u>	<u>53.4</u>	<u>53.2</u>	<u>51.2</u>	<u>55.0</u>	<u>55.5</u>
69548	<u>58.4</u>	<u>57.8</u>	<u>52.8</u>	<u>52.4</u>	<u>52.6</u>	<u>54.9</u>	<u>55.4</u>
69604	<u>58.5</u>	<u>57.9</u>	<u>54.2</u>	<u>52.5</u>	<u>52.4</u>	<u>55.0</u>	<u>55.5</u>
LASB50529	<u>58.7</u>	<u>58.0</u>	<u>53.0</u>	<u>52.5</u>	<u>52.0</u>	<u>54.8</u>	<u>55.6</u>
LASB50418	<u>58.9</u>	<u>58.1</u>	<u>53.1</u>	<u>53.3</u>	<u>52.2</u>	<u>55.1</u>	<u>55.2</u>
69036	<u>58.5</u>	<u>57.9</u>	<u>54.4</u>	<u>54.4</u>	<u>52.1</u>	<u>54.8</u>	<u>55.5</u>
LASB50451	<u>58.4</u>	<u>57.8</u>	<u>53.6</u>	<u>52.9</u>	<u>52.2</u>	<u>54.9</u>	<u>56.0</u>
69559	<u>58.9</u>	<u>58.0</u>	<u>52.9</u>	<u>53.2</u>	<u>53.0</u>	<u>55.1</u>	<u>55.6</u>
LASB50448	<u>58.9</u>	<u>58.4</u>	<u>55.0</u>	<u>55.1</u>	<u>52.8</u>	<u>55.3</u>	<u>55.8</u>
87823	<u>58.4</u>	<u>58.3</u>	<u>54.8</u>	<u>53.3</u>	<u>52.6</u>	<u>55.2</u>	<u>55.6</u>
87825	<u>58.7</u>	<u>58.4</u>	<u>55.4</u>	<u>54.4</u>	<u>52.5</u>	<u>55.4</u>	<u>55.4</u>
87826	<u>58.1</u>	<u>58.0</u>	<u>53.7</u>	<u>53.6</u>	<u>53.9</u>	<u>54.9</u>	<u>55.2</u>
87827	<u>58.2</u>	<u>58.3</u>	<u>55.0</u>	<u>53.1</u>	<u>52.8</u>	<u>55.1</u>	<u>55.4</u>

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6.[6] Date: From 8/3/15 to 8/9/15

Container ID #	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	Temp (°F) (6.[8]/6.[9])						
TA-54-375 Cell 3 (continued)							
Ambient Temperature (6.[13])	53.2 °F	54.4 °F	55.2 °F	54.1 °F	53.9 °F	55.2 °F	55.1 °F
End Time (6.[14])	0849	0745	0805	0755	0717	0645	0637
6.[14]	Operator: LM Operator: NS	Operator: MM Operator: NS	Operator: NS Operator: MM	Operator: NS Operator: GM	Operator: QA Operator: RA	Operator: QA Operator: RA	Operator: QA Operator: RA

6.[2] Comments:

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6.[18] Performed by:

<u>Leon Montoya</u>	/	<u>11915261</u>	<u>C</u>	<u>18/3/15</u>
Operator (print)	Signature	Z#	Initials	Date

<u>Norman Sanchez/Norman Sanc</u>	/	<u>11818141</u>	<u>NS</u>	<u>18-3-15</u>
Operator (print)	Signature	Z#	Initials	Date

<u>Gilbert Martinez/Lth M.j.</u>	/	<u>1452351</u>	<u>GM</u>	<u>18-4-15</u>
Operator (print)	Signature	Z#	Initials	Date

<u>Norman Sanchez/Norman Sanc</u>	/	<u>11818141</u>	<u>NS</u>	<u>18-4-15</u>
Operator (print)	Signature	Z#	Initials	Date

<u>Norman Sanchez/Norman Sanc</u>	/	<u>11818141</u>	<u>NS</u>	<u>18-5-15</u>
Operator (print)	Signature	Z#	Initials	Date

<u>Gilbert Martinez/Lth M.j.</u>	/	<u>1452351</u>	<u>GM</u>	<u>18-5-15</u>
Operator (print)	Signature	Z#	Initials	Date

<u>Norman Sanchez/Norman Sanc</u>	/	<u>11818141</u>	<u>NS</u>	<u>18-6-15</u>
Operator (print)	Signature	Z#	Initials	Date

9.1[2] Reviewed by:

/	/	/	/	/
SOM or designee (print)	Signature	Z#	Initials	Date

<u>Gilbert Martinez/Lth M.j.</u>	/	<u>1452351</u>	<u>GM</u>	<u>18-6-15</u>
Operator (print)	Signature	Z#	Initials	Date

<u>Tina Aguirre/Dia Aguirre</u>	/	<u>1149771</u>	<u>DT</u>	<u>18-7-15</u>
Operator (print)	Signature	Z#	Initials	Date

<u>Richard ATENCIO/Richard Atencio</u>	/	<u>12173951</u>	<u>RA</u>	<u>18-7-15</u>
Operator (print)	Signature	Z#	Initials	Date

<u>Tina Aguirre/Dia Aguirre</u>	/	<u>1149771</u>	<u>DT</u>	<u>18-8-15</u>
Operator (print)	Signature	Z#	Initials	Date

<u>Richard ATENCIO/Richard Atencio</u>	/	<u>12173951</u>	<u>RA</u>	<u>18-8-15</u>
Operator (print)	Signature	Z#	Initials	Date

<u>Tina Aguirre/Dia Aguirre</u>	/	<u>1149771</u>	<u>DT</u>	<u>18-9-15</u>
Operator (print)	Signature	Z#	Initials	Date

<u>Richard ATENCIO/Richard Atencio</u>	/	<u>12173951</u>	<u>RA</u>	<u>18-9-15</u>
Operator (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 8-10-15 to 8-16-15

	Monday 6.[6] Start Time: <u>0635</u>	Tuesday 6.[6] Start Time: <u>0633</u>	Wednesday 6.[6] Start Time: <u>0628</u>	Thursday 6.[6] Start Time:	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>561</u> Cal. Due Date <u>7-5-16</u> File Number <u>101974</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date <u>7-5-16</u> File Number <u>101974</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date <u>7-5-16</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: _____	Brand: _____ Model: _____ Cal. Due Date: _____ File Number: _____
Ambient Temperature (6.[7])	<u>56.6</u> °F	<u>61.2</u> °F	<u>58.8</u> °F	_____ °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])
68685	<u>55.9</u>	<u>60.4</u>	<u>58.3</u>				
LA00000070503	68540	<u>55.7</u>	<u>60.7</u>	<u>58.2</u>			
	68553	<u>56.2</u>	<u>60.9</u>	<u>58.7</u>			
69445		<u>57.1</u>	<u>60.9</u>	<u>58.8</u>			
69618		<u>56.8</u>	<u>60.9</u>	<u>58.6</u>			
69013		<u>56.0</u>	<u>60.6</u>	<u>57.9</u>			
LASB50522		<u>55.8</u>	<u>60.6</u>	<u>57.9</u>			
LASB50452		<u>54.8</u>	<u>60.4</u>	<u>57.6</u>			
LASB50431		<u>54.4</u>	<u>60.1</u>	<u>56.9</u>			
LASB50069		<u>57.7</u>	<u>60.7</u>	<u>58.1</u>			
LASB50073		<u>56.1</u>	<u>60.7</u>	<u>57.8</u>			
69636		<u>53.6</u>	<u>60.1</u>	<u>56.8</u>			
69616		<u>53.9</u>	<u>59.9</u>	<u>57.0</u>			
69417		<u>55.2</u>	<u>60.3</u>	<u>57.2</u>			

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6.[6] Date: From 8-10-15 to 8-16-15

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	56.2	60.5	57.9				
69520	55.6	60.4	57.6				
69641	55.4	60.4	57.6				
69298	54.9	60.4	57.4				
LASB02203	54.3	60.3	57.0				
Ambient Temperature (6.[13])	57.0 °F	62.0 °F	59.1 °F	_____ °F	_____ °F	_____ °F	_____ °F
End Time (6.[14])	0639	0637	0632				
6.[14]	Operator: EP Operator: LM	Operator: EP Operator: LM	Operator: EP Operator: LM	Operator: _____ Operator: _____	Operator: _____ Operator: _____	Operator: _____ Operator: _____	Operator: _____ Operator: _____

6.[2] Comments:



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6.[6] Date: From 8-10-15 to 8-16-15

6.[18] Performed by:

Operator (print)	Signature	Z#	Initials	Date
<u>Leon Montoya</u>	<u>[Signature]</u>	<u>1004971</u>	<u>EP</u>	<u>8-10-15</u>
Operator (print)	Signature	Z#	Initials	Date
<u>Edward Prohac</u>	<u>[Signature]</u>	<u>1004971</u>	<u>EP</u>	<u>8-11-15</u>
Operator (print)	Signature	Z#	Initials	Date
<u>Leon Montoya</u>	<u>[Signature]</u>	<u>1004971</u>	<u>EP</u>	<u>8-11-15</u>
Operator (print)	Signature	Z#	Initials	Date
<u>Edward Prohac</u>	<u>[Signature]</u>	<u>1004971</u>	<u>EP</u>	<u>8-12-15</u>
Operator (print)	Signature	Z#	Initials	Date
<u>Leon Montoya</u>	<u>[Signature]</u>	<u>1004971</u>	<u>EP</u>	<u>8-12-15</u>
Operator (print)	Signature	Z#	Initials	Date
/	/	/	/	/
Operator (print)	Signature	Z#	Initials	Date

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

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 8-10-15 to 8-16-15

	Monday 6.[6] Start Time: <u>0640</u>	Tuesday 6.[6] Start Time: <u>0638</u>	Wednesday 6.[6] Start Time: <u>0633</u>	Thursday 6.[6] Start Time: _____	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>561</u> Cal Due Date <u>7-8-16</u> File Number <u>101916</u>	Brand <u>Fluke</u> Model <u>561</u> Cal. Due Date <u>7-8-16</u> File Number <u>101916</u>	Brand <u>Fluke</u> Model <u>561</u> Cal. Due Date <u>7-8-16</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 _____	Brand _____ Model _____ Cal Due Date _____ File Number _____
Ambient Temperature (6.[7])	<u>53.3</u> °F	<u>60.2</u> °F	<u>56.0</u> °F	_____ °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>52.7</u>	<u>59.9</u>	<u>56.4</u>				
68638	<u>52.7</u>	<u>60.0</u>	<u>56.0</u>				
69615	<u>54.0</u>	<u>59.9</u>	<u>56.7</u>				
69635	<u>54.7</u>	<u>60.4</u>	<u>57.1</u>				
69642	<u>54.5</u>	<u>59.8</u>	<u>57.0</u>				
69630	<u>54.6</u>	<u>59.8</u>	<u>56.9</u>				
69633	<u>54.0</u>	<u>59.7</u>	<u>56.7</u>				
68430	<u>53.3</u>	<u>59.5</u>	<u>56.4</u>				
68631	<u>52.4</u>	<u>59.2</u>	<u>54.9</u>				
69634	<u>50.9</u>	<u>59.2</u>	<u>55.5</u>				
68567	<u>52.4</u>	<u>59.6</u>	<u>56.6</u>				
94227	<u>52.2</u>	<u>59.3</u>	<u>55.3</u>				
LASB50442	<u>53.2</u>	<u>59.4</u>	<u>56.8</u>				
69644	<u>53.4</u>	<u>59.4</u>	<u>56.7</u>				
LASB50443	<u>54.1</u>	<u>59.7</u>	<u>57.1</u>				
69638	<u>53.6</u>	<u>59.5</u>	<u>56.5</u>				

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6.[6] Date: From 8-10-15 to 8-16-15

6.[2] Comments:

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6.[6] Date: From 8-10-15 to 8-16-15

6.[18] Performed by:

<u>Edward Pacheco</u>	<u>Edward Pacheco</u>	11004971 EP	18-10-15	
Operator (print)	Signature	Z#	Initials	Date
<u>Leon Montoya</u>	<u>Leon Montoya</u>	1915261	CAN	18-10-15
Operator (print)	Signature	Z#	Initials	Date
<u>Edward Pacheco</u>	<u>Edward Pacheco</u>	11004971	EP	18-11-15
Operator (print)	Signature	Z#	Initials	Date
<u>Leon Montoya</u>	<u>Leon Montoya</u>	1915261	CAN	18-11-15
Operator (print)	Signature	Z#	Initials	Date
<u>Edward Pacheco</u>	<u>Edward Pacheco</u>	11004971 EP	18-12-15	
Operator (print)	Signature	Z#	Initials	Date
<u>Leon Montoya</u>	<u>Leon Montoya</u>	1915261	CAN	18-12-15
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
/	/	/	/	/

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 8-10-15 to 8-16-15

	Monday 6.[6] Start Time: <u>0630</u>	Tuesday 6.[6] Start Time: <u>0629</u>	Wednesday 6.[6] Start Time: <u>0624</u>	Thursday 6.[6] Start Time: _____	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>7-7-16</u> File Number <u>040986</u>	Brand <u>Fluke</u> Model <u>561</u> Cal Due Date <u>7-7-16</u> File Number <u>040986</u>	Brand <u>Fluke</u> Model <u>561</u> Cal Due Date <u>7-7-16</u> File Number <u>040986</u>	Brand _____ Model _____ Cal Due Date _____ File Number _____	Brand _____ Model _____ Cal Due Date _____ File Number _____	Brand _____ Model _____ Cal Due Date _____ File Number _____	Brand _____ Model _____ Cal Due Date _____ File Number _____
Ambient Temperature (6.[7])	<u>53.4</u> °F	<u>58.8</u> °F	<u>57.3</u> °F	_____ °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>51.8</u>	<u>57.5</u>	<u>55.5</u>				
69645	<u>51.0</u>	<u>57.1</u>	<u>55.3</u>				
94068	<u>51.6</u>	<u>57.4</u>	<u>55.6</u>				
93605	<u>52.1</u>	<u>57.9</u>	<u>56.1</u>				
69548	<u>51.8</u>	<u>58.0</u>	<u>56.3</u>				
69604	<u>51.9</u>	<u>57.8</u>	<u>56.0</u>				
LASB50529	<u>51.3</u>	<u>57.3</u>	<u>55.7</u>				
LASB50418	<u>51.9</u>	<u>57.6</u>	<u>56.1</u>				
69036	<u>52.0</u>	<u>57.7</u>	<u>56.1</u>				
LASB50451	<u>52.2</u>	<u>58.0</u>	<u>56.1</u>				
69559	<u>52.3</u>	<u>57.8</u>	<u>56.3</u>				
LASB50448	<u>52.7</u>	<u>58.2</u>	<u>56.5</u>				
87823	<u>53.3</u>	<u>58.3</u>	<u>56.6</u>				
87825	<u>53.9</u>	<u>58.4</u>	<u>56.9</u>				
87826	<u>52.8</u>	<u>58.3</u>	<u>56.7</u>				
87827	<u>53.0</u>	<u>58.3</u>	<u>56.6</u>				

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6.[6] Date: From 8-10-15 to 8-16-15

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 3 (continued)							
Ambient Temperature (6.[13])	53.7 °F	58.9 °F	56.6 °F	— °F	— °F	— °F	— °F
End Time (6.[14])	0634	0632	0627	—	—	—	—
6.[14]	Operator: EP Operator: LM	Operator: EP Operator: LM	Operator: PP Operator: LM	Operator: _____ Operator: _____	Operator: _____ Operator: _____	Operator: _____ Operator: _____	Operator: _____ Operator: _____

6.[2] Comments:

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6.[18] Performed by:

<u>Edward Pacheco</u>	<u>Robert Ruhn</u>	<u>1004971 EP 1 8-10-15</u>
Operator (print)	Signature	Z# Initials Date
<u>Leon Montoya</u>	<u>/</u>	<u>191526 / LMM 18-10-15</u>
Operator (print)	Signature	Z# Initials Date
<u>Edward Pacheco</u>	<u>Robert Ruhn</u>	<u>1004971 EP 1 8-11-15</u>
Operator (print)	Signature	Z# Initials Date
<u>Leon Montoya</u>	<u>/</u>	<u>191526 / LMM 18-11-15</u>
Operator (print)	Signature	Z# Initials Date
<u>Edward Pacheco</u>	<u>Robert Ruhn</u>	<u>1004971 EP 1 8-12-15</u>
Operator (print)	Signature	Z# Initials Date
<u>Leon Montoya</u>	<u>/</u>	<u>191526 / LMM 18-12-15</u>
Operator (print)	Signature	Z# Initials Date
Operator (print)	Signature	Z# Initials Date

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

9.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date
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ATTACHMENT 6

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

6[6] Date: From 8.6.15 to 8.6.15 Location: 375

UET

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6.[6] Date: From 8.6.15 to 8.6.15 Location: 375

Container ID # (6[8]6[9])	Temp (°F) (6[8]6[9])													
Ambient Temperature (6[13])	59.28°F	59.94°F	60.26°F	59.36°F	60.99°F	63.37°F	65.70	67.16°F	68.73	69.34	69.24	68.12		
End Time (6[14])	0644	0745	0832	0933	1032	1131	1226	1325	1431	1527	1624	1724		
6[14]	Operator: JM	Operator: NS	Operator: HS	Operator: NS	Operator: JM	Operator: NS	Operator: DA	Operator: RN	Operator: CA	Operator: RA	Operator: CA	Operator: RA	Operator: CA	Operator: RN
	Operator: NS	Operator: JM	Operator: JM	Operator: JM	Operator: NS	Operator: NS	Operator: RN	Operator: CA	Operator: RA	Operator: CA	Operator: RA	Operator: CA	Operator: RN	Operator: CA

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6 [6] Date: From 8-6-15 to 8-6-15 Location: 375

6 [2] Comments:

N/A

6 [18] Performed by:

Gilbert Martinez, 14523/GN / 8-6-15
Operator (print) Signature Z# Initials Date

Norman Sanchez, Norman S/S 187814/NS / 8-6-15
Operator (print) Signature Z# Initials Date

Lina Aguirre, Lina A 1745204 / 8-6-15
Operator (print) Signature Z# Initials Date

Richard Atencio, Richard Atencio 217395 RA / 8-6-15
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

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 8-6-15 to 8-7-15 Location: 375

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Z# 215267

INITIAL

DATE 8/6/14

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6.[6] Date: From 8/6/15 to 8/7/15 Location: 375

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6 [6] Date: From 8-6-15 to 8-7-15 Location: 375

6 [2] Comments:

6 [18] Performed by:

Chris Vigil CV / 8-6-15

Operator (print) Signature Z# Initials Date
Michael Vigil MV / 8/6/15

Operator (print) Signature Z# Initials Date

Operator (print) Signature Z# Initials Date

Operator (print) Signature Z# Initials Date

Operator (print) Signature N A Z# Initials Date

Operator (print) Signature Z# Initials Date
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Operator (print) Signature Z# Initials Date
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Operator (print) Signature Z# Initials Date
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Operator (print) Signature Z# Initials Date
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Operator (print) Signature Z# Initials Date
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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 8-02-15 to 8-02-15 Location: 375

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Z# 217395

INITIAL RP

DATE 8-17-15

UET

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6 [6] Date: From 8-07-15 to 8-07-15 Location: 375

Container ID # (6 [8]/6 [9])	Temp (°F) (6 [8]/6 [9])														
Ambient Temperature (6 [13])	54.75	54.73	54.78	55.91°F	58.48	59.83	61.03	63.88	65.64	66.96	69.35°F	68.18	°F	°F	
End Time (6 [14])	0647	0722	0825	0924	1025	1124	1223	1329	1421	1526	1624	1722			
6 [14]	Operator: QA	Operator: RA	Operator: RA	Operator: RA	Operator: QA	Operator: QA	Operator: QA	Operator: RA	Operator: RA	Operator: RA	Operator: QA	Operator: QA	Operator: QA	Operator: RA	Operator: RA
	Operator: RA	Operator: QA	Operator: QA	Operator: QA	Operator: QA	Operator: QA	Operator: QA	Operator: RA	Operator: RA						

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6.[6] Date: From 8-07-15 to 8-17-15 Location: 375

6. [2] Comments:

6. [18] Performed by

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 8-8-15 to 8-8-15 Location: 375

WORKING COPY

Z# 215267

INITIAL MV DATE 8/2/05

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UET

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8-7-15
 6 [6] Date: From 8-8-15 to 8-8-15

Location: 375

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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])
Ambient Temperature (6 [13])	66.49°F	64.37°F	63.50°F	62.53	60.97 °F	59.22°F	58.95°F	58.11°F	58.21 °F	58.17 °F	58.20 °F	57.41 °F	— °F	— °F
End Time (6 [14])	1832	1929	2029	2128	2234	2330	0030	0133	0227	0329	0423	0525	—	—
6 [14]	Operator: <u>MV</u> Operator: <u>CV</u>	Operator: <u>MV</u> Operator: <u>CV</u>	Operator: <u>MV</u> Operator: <u>CV</u>	Operator: <u>CV</u> Operator: <u>MV</u>	Operator: <u>CV</u> Operator: <u>MV</u>	Operator: <u>CV</u> Operator: <u>MV</u>	Operator: <u>CV</u> Operator: <u>MV</u>	Operator: <u>MV</u> Operator: <u>MV</u>	Operator: <u>MV</u> Operator: <u>CV</u>	Operator: <u>MV</u> Operator: <u>CV</u>	Operator: <u>MV</u> Operator: <u>CV</u>	Operator: <u>MV</u> Operator: <u>CV</u>	Operator: <u>CV</u> Operator: <u>CV</u>	Operator: <u>CV</u> Operator: <u>CV</u>

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6.[6] Date: From 8-8-15 to 8-8-15 RA 8-8-15

Location: 375

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6.[2] Comments:

6.[18] Performed by:

Michael Vigil / Michael Vigil 215081 MV 8/7/15
Operator (print) Signature Z# Initials Date
Chris Vigil / Chris Vigil 169082 CV 8/7/15
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

9.1[2] Reviewed by:

SOM or designee (print) Signature Z# Initials Date

Nitrate Salt-Bearing TRU Waste Container Monitoring

ATTACHMENT 6

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

6.[6] Date: From 8-8-15 to 8-8-15 Location: 375

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Z# 174927

INITIAL

DATE 8-8-15

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Page 2 of 36 [6] Date: From 8-8-15 to 8-8-15Location: 375

Container ID # (6 [8]/6 [9])	Temp ("F) (6 [8]/6 [9])														
Ambient Temperature (6 [13])	<u>56.84</u>	<u>57.26</u>	<u>58.56</u>	<u>61.06</u>	<u>63.77</u>	<u>65.54</u>	<u>66.88</u>	<u>67.54</u>	<u>67.36</u>	<u>67.26</u>	<u>64.37</u>	<u>63.16</u>	<u>5</u>	<u>5</u>	<u>5</u>
End Time (6 [14])	<u>0648</u>	<u>0727</u>	<u>0827</u>	<u>0925</u>	<u>1028</u>	<u>1124</u>	<u>1224</u>	<u>1321</u>	<u>1422</u>	<u>1523</u>	<u>1625</u>	<u>1724</u>			
6 [14]	Operator: <u>CA</u>	Operator: <u>CA</u>	Operator: <u>CA</u>	Operator: <u>CA</u>	Operator: <u>RA</u>	Operator: <u>CA</u>	Operator: <u>CA</u>	Operator: <u>CA</u>							
	Operator: <u>RA</u>	Operator: <u>RA</u>	Operator: <u>RA</u>	Operator: <u>RA</u>	Operator: <u>X</u>	Operator: <u>CA</u>	Operator: <u>CA</u>	Operator: <u>CA</u>	Operator: <u>CA</u>	Operator: <u>RA</u>	Operator: <u>RA</u>	Operator: <u>RA</u>	Operator: <u>CA</u>	Operator: <u>CA</u>	Operator: <u>CA</u>

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6.[6] Date: From 8-8-15 to 8-8-15 Location: 325

6.[2] Comments:

AIA

6.[18] Performed by:

Tina Aguirre Aguilar / 8-8-15
Operator (print) Signature Z# Initials Date
Richard Atencio / 217395 / RH / 8-8-15
Operator (print) Signature Z# Initials Date
Operator (print) Signature Z# Initials Date

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

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

6 [6] Date: From 8-8-15 to 8-9-15 Location: 375

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Z# 217395

~~INITIAL RA~~

DATE 8-8-15

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6 [6] Date: From 8-8-15 to 8-9-15 Location: 375

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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])
Ambient Temperature (6 [13])	62.97°F	62.14°F	62.53°F	62.48°F	62.30°F	61.72°F	61.04°F	60.34°F	59.41°F	59.08°F	58.81°F	58.19°F		
End Time (6 [14])	1831	1933	2031	2126	2227	2329	0031	0128	0230	0324	0426	0527		
6 [14]	Operator: <u>CV</u> Operator: <u>MV</u>	Operator: <u>CV</u> Operator: <u>MV</u>	Operator: <u>CV</u> Operator: <u>MV</u>	Operator: <u>MV</u> Operator: <u>CV</u>	Operator: <u>MV</u> Operator: <u>CV</u>	Operator: <u>CV</u> Operator: <u>MV</u>	Operator: <u>CV</u> Operator: <u>MV</u>	Operator: <u>MV</u> Operator: <u>CV</u>	Operator: <u>MV</u> Operator: <u>CV</u>	Operator: <u>MV</u> Operator: <u>CV</u>	Operator: <u>MV</u> Operator: <u>CV</u>	Operator: <u>MV</u> Operator: <u>CV</u>	Operator: <u>CV</u>	Operator: <u>CV</u>

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6 [6] Date: From 8-8-15 to 8-9-15 Location: 375

6 [2] Comments:

6 [18] Performed by:

Chris Vigil CJG K3082 CY 8/8/15
Operator (print) Signature Z# Initials Date
Michael Vg MV Z35267 MV 8/8/15
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

9.1 [2] Reviewed by:

SOM or designee (print) Signature Z# Initials Date

Nitrate Salt-Bearing TRU Waste Container Monitoring

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ATTACHMENT G

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

6.[6] Date: From B-9-15 to B-9-15 Location: 375

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6 [6] Date: From 8-9-15 to 8-9-15

Location: 375

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6 [6] Date: From 8-9-15 to 8-9-15 Location: 375

6. [2] Comments:

9.1[2] Reviewed by

SOM or designee (print) Signature Z# Initials Date

Nitrate Salt-Bearing TRU Waste Container Monitoring

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

6 [6] Date: From 8-9-15 to 8-10-15 Location: 375

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Z# 217395

INITIAL RA DATE B-9-15

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6 [6] Date: From 8-9-15 to 8-10-15 Location: 375

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6 [6] Date From 8-9-15 to 8-10-15 Location 375

6 [2] Comments

6 [18] Performed by:

<u>Operator (print)</u>	<u>Signature</u>	Z#	Initials	Date
<u>Michael Vigil</u>	<u>Michael Vigil</u>	<u>25267</u>	<u>MV</u>	<u>8-9-15</u>
<u>Operator (print)</u>	<u>Signature</u>	Z#	Initials	Date
<u>Operator (print)</u>	<u>Signature</u>	/	/	/
<u>Operator (print)</u>	<u>Signature</u>	Z#	Initials	Date
<u>Operator (print)</u>	<u>Signature</u>	/	/	/
<u>Operator (print)</u>	<u>Signature</u>	Z#	Initials	Date
<u>Operator (print)</u>	<u>Signature</u>	/	/	/
<u>Operator (print)</u>	<u>Signature</u>	Z#	Initials	Date
<u>Operator (print)</u>	<u>Signature</u>	/	/	/
<u>Operator (print)</u>	<u>Signature</u>	Z#	Initials	Date
<u>Operator (print)</u>	<u>Signature</u>	/	/	/

9.1[2] Reviewed by

SOM or designee (print) Signature # Initials Date

Nitrate Salt-Bearing TRU Waste Container Monitoring

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ATTACHMENT G

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

6.[6] Date: From 8-10-15 to 8-10-15 Location: 375

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Z# 191526

INITIAL R DATE 8/19/15

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6 [6] Date From 8-10-15 to 8-10-15 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])	Temp (°F) (6 [8]/6 [9])
Ambient Temperature (6 [13])	54.96 °F	54.80 °F	56.00 °F	58.07 °F	60.39	63.03 °F	65.04 °F	67.23 °F	68.12 °F	68.58 °F	68.44 °F	67.03 °F	— °F	— °F	— °F
End Time (6 [14])	0624	0728	0830	0934	1022	1125	1223	1339	1431	1524	1632	1733	—	—	—
6. [14]	Operator: <u>EP</u> Operator: <u>LM</u>	Operator: <u>EP</u> Operator: <u>LM</u>	Operator: <u>EP</u> Operator: <u>LM</u>	Operator: <u>EP</u> Operator: <u>LM</u>	Operator: <u>LM</u> Operator: <u>EP</u>	Operator: <u>LM</u> Operator: <u>EP</u>	Operator: <u>EP</u> Operator: <u>LM</u>	Operator: <u>EP</u> Operator: <u>LM</u>	Operator: <u>LM</u> Operator: <u>EP</u>	Operator: <u>EP</u> Operator: <u>LM</u>	Operator: <u>LM</u> Operator: <u>EP</u>	Operator: <u>EP</u> Operator: <u>LM</u>	Operator: <u>EP</u> Operator: <u>LM</u>	Operator: <u>EP</u> Operator: <u>LM</u>	Operator: <u>EP</u> Operator: <u>LM</u>

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6 [6] Date From 8-10-15 to 8-10-15 Location: 375

6 [2] Comments:

6 [18] Performed by:

Edward Prokocik / John Balmer 100497 EP 1 8-10-15
Operator (print) Signature Z# Initials Date
Leonard Stoga / *1915361* *18-10-15*
Operator (print) Signature Z# Initials Date
Operator (print) Signature Z# Initials Date

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

9 [2] Reviewed by:

SOM or designee (print) Signature Z# Initials Date

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

6 [6] Date: From 8/10/15 to 8/11/15 Location: 375

	Start Time: 6 [6] <u>1830</u>	Start Time: 6 [6] <u>1930</u>	Start Time: 6 [6] <u>2030</u>	Start Time: 6 [6] <u>2129</u>	Start Time: 6 [6] <u>2227</u>	Start Time: 6 [6] <u>2328</u>	Start Time: 6 [6] <u>0029</u>	Start Time: 6 [6] <u>0125</u>	Start Time: 6 [6] <u>0230</u>	Start Time: 6 [6] <u>0328</u>	Start Time: 6 [6] <u>0425</u>	Start Time: 6 [6] <u>0530</u>	Start Time: 6 [6]	Start Time: 6 [6]
Calibrated Infrared Thermometer (4.2.11)(B))	Brand: N/A	Brand:	Brand:											
	Model: N/A	Model:	Model:											
	Cal Due Date: Cal. Due Date.	Cal Due Date:	Cal Due Date:											
	File Number: File Number	File Number:	File Number:											
Ambient Temperature (6.7)	64.58 °F	62.66 °F	60.12 °F	60.56 °F	61.26 °F	61.74 °F	61.51 °F	61.48 °F	61.17 °F	60.91 °F	60.64 °F	60.55 °F	60 °F	60 °F
Container ID # (6 [8] 6 [9])	Temp (°F) (6 [8] 6 [9])	Temp (°F) (6 [8] 6 [9])												
1 68685	65.91	63.81	62.3	61.87	62.02	62.21	61.91	61.73	61.54	61.38	60.95	60.83		
2 68685	64.61	62.97	61.56	61.27	62.03	62.40	62.17	61.98	61.83	61.34	61.18	60.04		N/A
3 50522	63.28	61.73	60.45	59.87	60.49	61.28	61.11	60.93	60.87	60.74	60.73	60.59		
4 50522	63.84	62.41	61.26	60.64	61.07	61.53	61.4	61.18	61.11	60.98	60.95	60.85		

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6 [6] Date: From 8/10/15 to 8/11/15 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])
Ambient Temperature (6 [13])	64.58°F	62.66°F	61.14 °F	60.57 °F	61.24 °F	61.76 °F	61.50 °F	61.48 °F	61.17 °F	60.90°F	60.67 °F	60.53 °F	— °F	— °F
End Time (6 [14])	1831	1931	2031	2130	2228	2329	0030	0126	0231	0329	0426	0531	—	—
6 [14]	Operator: <u>CV</u> Operator: <u>MV</u>	Operator: <u>CV</u> Operator: <u>MV</u>	Operator: <u>CV</u> Operator: <u>MV</u>	Operator: <u>MV</u> Operator: <u>CV</u>	Operator: <u>MV</u> Operator: <u>CV</u>	Operator: <u>CV</u> Operator: <u>MV</u>	Operator: <u>CV</u> Operator: <u>MV</u>	Operator: <u>CV</u> Operator: <u>MV</u>	Operator: <u>CV</u> Operator: <u>MV</u>	Operator: <u>MV</u> Operator: <u>CV</u>	Operator: <u>CV</u> Operator: <u>MV</u>	Operator: <u>CV</u> Operator: <u>MV</u>	Operator: <u>CV</u> Operator: <u>MV</u>	Operator: <u>CV</u> Operator: <u>MV</u>

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Page 3 of 36 [6] Date: From 8/10/15 to 8/14/15 Location: 375

6.[2] Comments:

6.[18] Performed by:

Chris Vigil Chris Vigil 16308LCV 18-10-15
Operator (print) Signature Z# Initials Date
Michael V. S. Michael V. S. 21587 1AV 18-10-15

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 NITRATE SALT TRU WASTE CONTAINER HOURLY TEMPERATURE DATA SHEET

6 [6] Date: From 8/14/15 to 8/19/15 Location: 375

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6 [6] Date: From 8/11/15 to 8/11/15, Location: 375

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Container ID # (6 [8] 6 [9])	Temp (°F) (6 [8] 6 [9])													
Ambient Temperature (6 [13])	60.15 °F	59.95 °F	60.32 °F	61.93 °F	63.95 °F	64.79 °F	65.65 °F	65.91 °F	66.25 °F	66.90 °F	66.71 °F 8/11/15	66.33 °F 8/11/15	64.58 °F	— °F
End Time (6 [14])	0624	0731	0825	0927	1031	1126	1229	1329	1429	1529	1623	1729	—	—
6 [14]	Operator: <u>EP</u>	Operator: <u>EP</u>	Operator: <u>EP</u>	Operator: <u>LM</u>	Operator: <u>EP</u>	Operator: <u>LM</u>	Operator: <u>LM</u>	Operator: <u>LM</u>	Operator: <u>LM</u>	Operator: <u>LM</u>	Operator: <u>JB</u>	Operator: <u>JB</u>	Operator: <u>EP</u>	Operator: <u>LM</u>
	Operator: <u>LM</u>	Operator: <u>LM</u>	Operator: <u>LM</u>	Operator: <u>EP</u>	Operator: <u>LM</u>	Operator: <u>LM</u>	Operator: <u>LM</u>	Operator: <u>LM</u>	Operator: <u>LM</u>	Operator: <u>LM</u>	Operator: <u>JB</u>	Operator: <u>JB</u>	Operator: <u>EP</u>	Operator: <u>LM</u>

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6 [6] Date: From 8/11/15 to 8/11/15 Location: 375

6. [2] Comments:

6 [18] Performed by

Bilbert Martin M-111 Vn. #143281GA 8-11-15
Operator (print) Signature Z# Injuries Date
Larry Brito L Brito 1116105 193 8-11-15

Operator (print) Signature Z# Initials Date

operator (print) Signature Z# Initials Date

Edward Mackay | Edward Mackay 100497 ED | 8-11-15
Operator (print) Signature Z# Initials Date

Operator (print) _____ **Signature** _____ **Date** _____

Operator (print)	Signature	Z#	Initials	Date

Operator (print)	Signature	Z#	Initials	Date
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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 NITRATE SALT TRU WASTE CONTAINER HOURLY TEMPERATURE DATA SHEET

6 [6] Date: From 8/11/15 to 8/12/15 Location: 375

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6 [6] Date: From 8/11/15 to 8/12/15 Location: 375

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6 [6] Date: From 8/1/15 to 8/1/15 Location: 375

6.2 Comments

6.[18] Performed by:

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 8/12/15 to 8/12/15 Location: 375

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6.[6] Date: From 8/12/15 to 8/12/15 Location: 375

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6.[6] Date: From 8/12/15 to 8/12/15 Location: 375

6.[2] Comments:

6.[18] Performed by:

Edmund Parka | Edmund Parka 10047A EPI 8-12-15
Operator (print) Signature Z# Initials Date
Performed monitoring | 10047A | 8-12-15
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

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

6.[6] Date: From 8/12/15 to 8/13/15 Location: 375

	Start Time: 6[6] <u>1830</u>	Start Time: 6[6] <u>1928</u>	Start Time: 6[6] <u>2033</u>	Start Time: 6[6] <u>2129</u>	Start Time: 6[6] <u>2226</u>	Start Time: 6[6] <u>2327</u>	Start Time: 6[6] <u>0031</u>	Start Time: 6[6] <u>0130</u>	Start Time: 6[6] <u>0227</u>	Start Time: 6[6] <u>0332</u>	Start Time: 6[6] <u>0424</u>	Start Time: 6[6] <u>0530</u>	Start Time: 6[6]	Start Time: 6[6]
Calibrated Infrared Thermometer (4.2.1.1)(B)	Brand: N/A													
	Model: N/A													
	Cal Due Date: Cal. Due Date.													
	File Number: File Number													
Ambient Temperature (6[7])	<u>68.14</u> °F	<u>66.43</u> °F	<u>63.98</u> °F	<u>62.60</u> °F	<u>61.03</u> °F	<u>59.90</u> °F	<u>58.82</u> °F	<u>57.96</u> °F	<u>56.87</u> °F	<u>56.37</u> °F	<u>55.68</u> °F	<u>55.39</u> °F	<u>55.62</u> °F	<u>55.39</u> °F
Container ID # (6[8]6[9])	Temp (°F) (6[8]6[9])													
1 68685	<u>70.29</u>	<u>67.95</u>	<u>64.97</u>	<u>63.83</u>	<u>62.1</u>	<u>61.08</u>	<u>60.26</u>	<u>59.59</u>	<u>59.13</u>	<u>58.07</u>	<u>57.26</u>	<u>56.86</u>	<u>56.86</u>	<u>N/A</u>
2 68685	<u>67.46</u>	<u>66.16</u>	<u>63.87</u>	<u>62.66</u>	<u>61.31</u>	<u>60.29</u>	<u>59.45</u>	<u>58.90</u>	<u>58.27</u>	<u>57.55</u>	<u>56.88</u>	<u>56.60</u>	<u>56.60</u>	<u>N/A</u>
3 50522	<u>65.79</u>	<u>64.67</u>	<u>62.66</u>	<u>61.5</u>	<u>60.18</u>	<u>59.24</u>	<u>58.43</u>	<u>57.85</u>	<u>57.34</u>	<u>56.53</u>	<u>55.84</u>	<u>55.54</u>	<u>55.54</u>	<u>N/A</u>
4 50522	<u>60.27</u>	<u>65.22</u>	<u>63.26</u>	<u>62.15</u>	<u>60.88</u>	<u>60.1</u>	<u>59.26</u>	<u>58.76</u>	<u>58.17</u>	<u>57.51</u>	<u>56.81</u>	<u>56.53</u>	<u>56.53</u>	<u>N/A</u>

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INITIALS MV DATE 8/12/11

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6 [6] Date: From 8/12/15 to 8/13/15 Location: 375

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6 [6] Date: From 8/12/15 to 8/13/15 Location: 375

6 [2] Comments

6.118 | Performed by

6 [18] Performed by:		<i>Michael Vigil</i>	<i>Mark Vigil</i>	215267 MV	8/12/15
Operator (print)	Signature	Z#	Initials	Date	
<i>Chris Vigil</i>	<i>CV</i>	143082 CV		8/12/15	
Operator (print)	Signature	Z#	Initials	Date	

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