From: Haagenstad, Mark P

Sent: Tuesday, October 14, 2014 4:44 PM

To: Ryan.Flynn@state.nm.us; Jeff.Kendall@state.nm.us; tom.blaine@state.nm.us; John Kieling; steve.pullen@state.nm.us; Kliphuis, Trais, NMENV; Timothy.Hall@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

Cc: Pete Maggiore; Silas DeRoma; Cummings, Lisa K; Nickless, David J; Bishop, M. Lee; Turner, Gene E; Armijo, Karen
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Margaret; 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, Saundra; Sauer, Selena Z; Wood, Yvonne
Barbara; Schreiber, Arleen Thorn; Maestas, Pamela Therese; Hargis, Kenneth Marshall; Diaz, Tammy; Juarez, Catherine L;
Beard, Carl Allen; Cabbil, Cheryl Denise; Young, Steven L; Erickson, Randy; Funk, David John; Alexander, Rick A; Frederici,
Dave

Subject: Daily Technical Submission - October 14, 2014

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. Thank you.

Mark Haagenstad Environmental Protection Division Compliance and Permitting Group Los Alamos National Laboratory

Office: (505) 665-2014 Mobile: (505) 699-1733

### NMED / LANL Technical Summary

### October 14, 2014

#### **LANL Technical Update:**

- Location of Nitrate Salt-Bearing Wastes
  - o Remediated nitrate salt-bearing waste containers.
    - All containers remain in the 375 Permacon.
  - o Unremediated nitrate salt-bearing waste containers.
    - All containers remain in the 231 Permacon.
- Monitoring Daily Temperature
  - o Temperatures remain below 90°F.
    - Previous 4 days' daily temperature data attached.
- Monitoring Visual Inspections
  - o No abnormal conditions were observed.
- Monitoring headspace gas (HSG)
  - o Containers (SWBs) 68685 and SB50522.
    - Continue daily head space gas (HSG) sample collection.
      - October 14, 2014 HSG data attached
        - o H<sub>2</sub>, CO, CO<sub>2</sub> and N<sub>2</sub>O
  - Other containers
    - A minimum of once per month HSG sampling will be conducted.
      - To date in October, LANL has conducted HSG sampling on 37 SWBs.
      - Note: LANL previously conducted HSG sampling on each of the 55 SWBs that contain 55-gallon drums of remediated nitrate salt-bearing waste (under Section I of the Isolation Plan).

#### • 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.
      - October 13, 2014 HSG data attached.

- Anticipated Changes to Nitrate Salt-Bearing Waste Containers (e.g. movement, repackaging).
  - o Currently, no further movements or re-packaging are planned.

#### • Other:

o The technical call for Tuesday, October 14, 2014 was canceled due to a scheduled meeting with the NMED. The next call is scheduled for Thursday October, 16, 2014.

## **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 <sub>2</sub> and LFL analytes).	LANL		Complete June 11, 2014
11.	Discuss potential sampling of HSG for NO <sub>x</sub> .	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 saltbearing 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.	Respond to NMED email request for information associated with the nitrate saltbearing parent and daughter waste containers.  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.	LANL	In progress – remaining are portions of item 5	Partially Complete July 9, 2014 (Letter sent addressing items 1-4 and 6-9 of the email request) July 17, 2014 (Letter sent with updated spreadsheet) August 7, 2014 (First submittal in response to item 5) August 14, 2014 (Letter addressing items 2 & 8 - Second submittal in response to item 5) August 18, 2014 (Third submittal in response to item 5) August 21, 2014 (Tourth submittal in response to item 5) August 27, 2014 (Fourth submittal in response to item 5) September 4, 2014 (Sixth submittal in response to item 5) September 9, 2014 (Sixth submittal in response to item 5) September 9, 2014 (Seventh submittal in response to item 5) September 11, 2014 (Eighth submittal in response to item 5) September 22, 2014 (Ninth submittal in response to item 5) September 23, 2014 (Tenth submittal in response to item 5) September 23, 2014 (Tenth submittal in response to item 5) October 1, 2014 (Eleventh submittal in response to item 5) October 8, 2014 (Twelfth submittal in response to item 5)
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

	Requested Information	Actionee	Status	Completion Date
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 Response to Request for Information on Management of Waste at LANL.	Complete July 8, 2014
25.	NMED requested an additional discussion on a future technical call regarding CO <sub>2</sub> , 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 <sup>rd</sup> 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	In Progress Meeting scheduled for Monday September 29th	Complete September 29, 2014 (meeting held)
35.	Schedule a third update on LANL efforts – including teams.	LANL / NMED	In progress. Currently scheduled for 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	In progress	
38.	NMED requested documentation regarding CIN01.001 waste containers that are not part of the September 19, 2014 Nitrate Salts-Bearing Waste Container Isolation Plan, Revision 2.	LANL	In Progress LANL will submit this documentation in batches as it is becomes available.	Submitted 100 out of 586 RTRs and documentation on October 3, 2014. Submitted Documentation for 101-200 containers October 10, 2014.
39.	NMED requested a diagram of the location of the thermocouples on 68685 and SB50522	LANL	In progress	
40.	NMED requested a copy of the safety basis document for remediation planning when it is finalized.	LANL	Document is currently in Draft.	

Next Call: Thursday, October 16, 2014

	68685			69553				69615				
Date	H <sub>2</sub> ppm	CO ppm	CO <sub>2</sub> ppm	N <sub>2</sub> O ppm	H <sub>2</sub> ppm	CO ppm	CO <sub>2</sub> ppm	N <sub>2</sub> O ppm	H <sub>2</sub> ppm	CO ppm	CO <sub>2</sub> ppm	N₂O ppm
10/11/14	120	855	18808	5782								
10/12/14	153	854	19076	5769								
10/13/14	129	914	19498	5956	154	594	20524	2991	98	327	7977	402
10/14/14	141	864	21220	6544								

	69616			SB50069				SB50452				
Date	H <sub>2</sub> ppm	CO ppm	CO <sub>2</sub> ppm	N <sub>2</sub> O ppm	H <sub>2</sub> ppm	CO ppm	CO <sub>2</sub> ppm	N₂O ppm	H <sub>2</sub> ppm	CO ppm	CO <sub>2</sub> ppm	N₂O ppm
10/11/14												
10/12/14												
10/13/14	230	918	25254	5484	384	1027	24998	4022	633	996	24868	4966
10/14/14												

	SB50522			69417				69445				
Date	H <sub>2</sub> ppm	CO ppm	CO <sub>2</sub> ppm	N <sub>2</sub> O ppm	H <sub>2</sub> ppm	CO ppm	CO <sub>2</sub> ppm	N <sub>2</sub> O ppm	H <sub>2</sub> ppm	CO ppm	CO <sub>2</sub> ppm	N <sub>2</sub> O ppm
10/11/14	4642	324	43829	795								
10/12/14	5046	456	52880	990								
10/13/14	5436	438	54038	1003								
10/14/14	5413	508	54714	1043	3	0	61	0	236	380	5682	392

	69520			69620				69641				
Date	H <sub>2</sub> ppm	CO ppm	CO <sub>2</sub> ppm	N <sub>2</sub> O ppm	H <sub>2</sub> ppm	CO ppm	CO <sub>2</sub> ppm	N₂O ppm	H <sub>2</sub> ppm	CO ppm	CO <sub>2</sub> ppm	N <sub>2</sub> O ppm
10/11/14												
10/12/14												
10/13/14												
10/14/14	91	126	1249	409	331	387	4048	912	436	712	5483	1367

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#### **ATTACHMENT 2**

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

6.[6] Date: From 1000/14 to 10/12/14

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	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	6.[6]	6.[6]	6.[6]	6.[6]	6.[6]	6.[6]	6.[6] 0948
	Start Time: <u>1002</u>	Start Time: <u>0905</u>	Start Time: <u>M74</u>	Start Time: 0918	Start Time: <u>0845</u>	Start Time: <u>0957</u>	Start Time: 6904
TA-54-231							\$6.10.12.14
Calibrated Infrared	Brand: Fluke 1016	Brand: My	Brand: Fluck	Brand: Fluke	Brand: Fluke	Brand: Fluke	Brand: Fluke
Thermometer	Model: 50 Cal. Due Date: 1/29/15	Model: 561	Model: 50 Cal. Due Date: 795	Model: 50	Model: 561	Model: 561	Model:
(6.[7])	Cal. Due Date: 1/29/15	Cal. Due Date: 7/19/15	Cal. Due Date: 795	Cal. Due Date: 7/19/15			Cal. Due Date: 672715 File Number 1019 34
	File Number <u>101974</u>	File Number 101974	File Number 16974	File Number 101914	File Number 101974	File Number <u>101974</u>	File Number 101974
Ambient Temperature (6.[9])	58.0°F	55.5°F	58.1 °F	100.7 °F	56.0°F	55.8 °F	57.3 54./ °F
(0.[2])							EL 1012-14
Container ID#	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F)	Temp (°F)	Temp (°F)	Temp (°F)	Temp (°F)
C010425			(6.[10]/6.[11])	(6.[10]/6.[11])	(6.[10]/6.[11])	(6.[10]/6.[11])	(6.[10]/6.[11])
S818435	58.5	54.3	59.3	40.0	56.3	55.4	55.7
S802833	58.4	55.8	58.5	59.6	56.4	55.6	54.8
S801676	57.7	55.5	51.1	59.7	56.2	_55.]	55.0
S816810	51.5	54.6	57.1	58.4	54.8	54.3	53.8
70069	54.7	54.3	510	582	54.8	53.8	53,2
S822844	57.5	54.5	515	58.1	54.9	54.3	53.7
S825879	57.4	54.4	51.3	58.1 58.2 58.5	54.6	54.1	5-3.9
S793724	57.4	54.7	57.6	58.5	54.9	54.1	54.0
S813545	57.1	75.5	575	58.6	55.0	54.1	54.0
S822713	585	55.7	584	11158-595	56.1	55.8	55.0
S802739	58.	55.4	585	57.6	56.1	55.1	54.8
69907	58.0	55.3	58.6	59.4	56.5	55.6	54,6
S804995	58.6	55.9	59.1	59.6	56.6	55.5	55.2
S816434	589	56.6	595	60.6	57.2	56.2	56.2

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6.[6] Date: From 10/04/14 to 10/12/14

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Container ID#	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])
A-54-231 (continued)							
S805289	59.0	56.6	59.4	100.1	57.0	56.3	55.7
S862888	58.6	55.9	59.1	100.0	56.8	55.9	55.1
70072	58.2	55.8	58.5	59.4	56.4	55.7.	55.4
S823184	58.8	55.7	58.9	59.6	56.2	55.4	55.3
S822599	58,7	55.6	58.8	59.2	65.9	55.7	55.0
69904	1.57.3	54.9	57.6	585	55.1	54.3	54,0
S805051	57.251.Z		51.4	58.2	55.1	54.1	53.4
S864213	57.3	54.5	57.8	58.	55.0	54.2	54.4
S853714	57.4	55.0	57.3	58.5	54.6	54.2	53.8
S803078	58.3	55.1	58.1	58.6	54.7	54.2	54,1
S825878	58.2	55.0	57.8	58.7	55.0	54.4	54.3
S823124	58.0	55.2	58.1	58.8	55.0	54.5	54,4
S804948	59.Z	56.1	59.0	59.1	56.3	55.9	55.2
S813385	58.4	56.7	59.3	59.9	56.7	55.7	55.5
S842446	59.8	57.5	60.1	101.5	57.8	56.9	56.7
mbient Temperature .[14])	58.4°F	56.0°F	58.9 °F	59.7 °F	55.8°F	56.4 °F	57.7 °F
nd Time (6.[15])	1015	0935	0934	0928	0901	1004	0953
6.[15]	Operator: Operator:	Operator:	Operator:	Operator: Operator:	Operator: 75	Operator:	Operator: EC

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SOM or designee (print)

Signature

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6.[2] Comments:						
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			9			
6.[19] Performed by:				- +	144	1,
Josephine Dur		115197/ 10/10/01/14	Operator (print)	Signature	/ 13 × 2 / // Z# Initials I	10 8 1
Operator (print)	Signature	Z# Initials Date	Pancho Micra	Je MS	/- 2<75 </td <td>In line</td>	In line
Operator (print)	Signature	/236382 / 10/3/14 Z# Initials Date	Operator (print)	Signature /	/ <b>z</b> 35765/ 17 // Z# Initials I	Date
Alfredo Aguilar	Signature 1	1293178 AL 10 7/14	Horman Sanchez	Worum Sant	11878161 /5/	Mola
Operator (print)	Signature	Z# Initials Date	Operator (print)	Signature	Z# Initials I	
THOMASU 8035		123638/1 / 107/14	Pancho Micra	Dems	1235765/77 11	
Operator (print)	Signature	Z# Initrals Date	Operator (print)	Signature	Z# Initials I	
bsephine Duran	22	11519711 01 110/8/14	been mostopa	Me	1191566 1-1	10/1//01
Operator (print)	Signature /	Z# Initials Date	Operator (print)	Signature	Z# Initials I	Date
Homa York	1 1 - 4	1233821 AV 110 8 M	EloT Dr GIDUSA	18800	1114/88/50 11	
Operator (print)	Signature	Z# Initials Date	Operator (print)	Signature	Z#1526 Initials I	
Beephue Dura	1 745	11597100 110/2/14	Leen Montola		18m 1- (1)	
Operator (print)	Signature	Z# Initials Date	Operator (print)	Signature	Z# 10/14/9 Initials I	Date

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### **ATTACHMENT 3**

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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 10-6-14 to 10-12-14

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	6.[6]	6.[6]	6.[6]	6.[6]	6.[6]	6.[6]	6.[6]
	Start Time: <u>1634</u>	Start Time: 1012	Start Time: 16\0	Start Time: <u>0958</u>	Start Time: <u>09/5</u>	Start Time: <u>090%</u>	Start Time: 0904
TA-54-375 Cell 1							
Calibrated Infrared	Brand: FLUKE	Brand: Fike	Brand: FUKE	Brand: Fluke	Brand: Fluke	Brand: Flule	Brand: Fluke
Thermometer	Model: 561	Model: 56	Model: S6)	Model: 501		Model: 561.	Model: 561
(6.[7])	Cal. Due Date: 6-12-15	Cal. Due Date: 6/2/18	Cal. Due Date: 6 12	Cal. Due Date: 10/12/15	Cal. Due Date: 6/12/15	Cal. Due Date: 6 17 15	Cal. Due Date: 6/2/5
	File Number 101915	File Number 161915	File Number 101915	File Number 101915	File Number 101915	File Number 10 1915	File Number 101915
Ambient Temperature	69.2 °F	66.7 of	62.8 °F	59.7°F	56.3°F	54.8°F	54.1 °F
(6.[9])	01.6		00.0		30.5	<u> </u>	<u>59.1</u> °F
Container ID #	Temp (°F)	Temp (°F)	Temp (°F)	Temp (°F)	Temp (°F)	Temp (°F)	Temp (°F)
	(6.[10]/6.[11])	(6.[10]/6.[11])	(6.[10]/6.[11])	(6.[10]/6.[11])	(6.[10]/6.[11])	(6.[10]/6.[11])	(6.[10]/6.[11])
68685	69.9	61.2	61.6	60.1	56.6	55.4	54.9
68540	69.7	59.9	61.9	59.4	56.5	.55.4	55./
68553	189.4	59.9	61.2	59.6	57.1	22.3	54.9
69445	70.1	60.3	61.5	10.8	57.	55.2	55.0
69618	69.1	60.0	61.4	59.9	57.0	55.2	55.1
69013	68.7	60.1	61.4	100.0	57.7	56.0	55.7
LASB50522	68.3	60.5	4.50	59.8	58.0	57.0	56.5
LASB50452	68.1	60.4	61.4	60.2	57.3	56.3	56.2
LASB50431	67.9	60.1	61.6	100.2	57.5	56.2	55.9
LASB50069	68.7	60.2	61.6	60.3	57.6	56.2	560
LASB50073	68.3	60.1	61.6	60.2	58.1	56.3	56.0
69636	68.8	60.1	61.4	10.0.2	58.0	56.0	55.7
69616	68.4	60.3	61.7	59.9	58.7	57.1	55.9
69417	69.1	GO . 1	61.6	60.0	58.0	56.4	56.0

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6.[6] Date: From 10-6-14 to 10-12-14

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday			
Container ID#	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])							
TA-54-375 Cell 1 (continued)										
69620	68.9	GO.4	6).6	60.4	57.6	56.4	56.3			
69520	69.4	60.4	61.5	100.5	58.1	56.4	56-3			
69641	68.6	60.3	67.0	60.4	58.7	56.7	56.6			
69298	68.4	60.5	61.6	60.5	58.0	56.8	56.5			
LASB02203	68.5	60.5	62.0	60.4	57.8	56.5	56.3			
Ambient Temperature (6.[14])	<b>69.</b> 0 °F	G .4 °F	63.Z of	606 °F	56.7°F	55.0°F	55.3 °F			
End Time (6.[15])	1643	1020	1021	1007	2260	0915	0910			
6.[15]	Operator:	Operator:	Operator:		Operator: NS	Operator: Operator:	Operator: & C			

6.[2] Comments: 68685 Thermocouple 70.0 Top; 68.1 Bottom Al/ 169840 10-6-14	
68685 Thermal Top: 60.2 Bittom 59.9	
68685 Thermal capte Top: GZ.1" Bottom: 61.4 / 67618 couple nest: 60 9' East: 61.2"	-
68685 Thermal carde Top: 59.5° Botton: 59.5° / 50527 could wed: 59.8° East: 59.6	
68685 Thermal coude T, 56.47 Tz S6.27/50522 couple To S6.95 Ty S6.95 12735765 10/10/1	Y
68685 Thermal couple TI 55.04 TZ 54.71/50522 couple T3 55.62 T4 55.62 TP 235765 10/11/1	4



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6.[6] Date: From 10-6-14 to 10-12-14

Operator (print)  Operator (print)	169840   69   10-6-14     Z# Ginals Date   100514     Z# Initials Date   100514     Z# Initials Date   100514     Z# Initials Date   100514	Operator (print)  Pancho Miera  Operator (print)  Norwan Sanche  Operator (print)  Operator (print)	Signature Signature Signature Signature Signature	Z# Initials   Z\$5765  P   Z# Initials   1878    S   Z# Initials   1878    S	// Date // O/ O/ // Date // O/ O/ // Date // O/ O/ // Date
Operator (print)  Operator (print)  Operator (print)  Operator (print)  Operator (print)  Signature  Operator (print)	13382/ 4/10714	Norman Sanchez	slopman Sand	18/18/8/ 15   Z# Initials   19/50/   E   Z# Initials   19/50/   E   Z# Initials   Init	16/10/10/14
Operator (print)  Signature  Signature  Signature  Signature  8 1121 Reviewed by:	Z# Initials Date //3971/ 0 / 10/9/14 Z# Initials Date	Operator (print)  Operator (print)	Signature	Z# Initials V9/576  - Z# Initials	Date   / 0 / 12 / 1

#### 8.1[2] Reviewed by:

	/	/	1	/
SOM or designee (print)	Signature	Z#	Initials	Date



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#### **ATTACHMENT 4**

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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 10-6-14 to 10-12-14

UET

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	6.[6]	6.[6]	6.[6]	6.[6]	6.[6]	6.[6]	6.[6]
	Start Time: 1644	Start Time: 100つ	Start Time: 1622	Start Time: 1000	Start Time: <b>0933</b>	Start Time: 0916	Start Time: 0911
TA-54-375 Cell 2							
Calibrated Infrared	Brand: Fluke	Brand: TIKE	Brand: Fluice	Brand: Full	Brand: Fluke	Brand: Flule	Brand: Fluke
Thermometer	Model: 5761	Model: 56)	Model: S6 \ Cal. Due Date: 4 \	Model: 5(a)	Model: 561	1111 -11	Model: 56
(6.[7])	Cal. Due Date: 6-12-15	Cal. Due Date: 6 12 1	Cal. Due Date: (17)		Cal. Due Date: 6/12/5	Cal. Due Date: 6/7/5	Cal. Due Date: 6 1215
	File Number 101912	File Number 10/9/2	File Number 10/917	File Number 101912	File Number 101912	File Number 101912	File Number 101912
Ambient Temperature (6.[9])	(do-7 °F	60.0°F	61.8 °F	<u>(60.8</u> °F	<b>58.9</b> °F	57.4°F	56.4 °F
Container ID #	Temp (°F)	Temp (°F)	Temp (°F)	Temp (°F)	Temp (°F)	Temp (°F)	Temp (°F)
Container 15 #	(6.[10]/6.[11])	(6.[10]/6.[11])	(6.[10]/6.[11])	(6.[10]/6.[11])	(6.[10]/6.[11])	(6.[10]/6.[11])	(6.[10]/6.[11])
LASB02198	66.3	58.9	61.0	60.6	58.8	57.6	#52.1 57.1
68638	66.9	59.0	61.0	60.5	58.9	57.2	56.0
69615	67.7	58.9	61.2	100.3	58.8	57.8	56.6
69635	67.9	59.5	61.6	60.9	59.1	57.7	57.0
69642	68.2	57.3	61.6	40.5	58.8	56.9	56.7
69630	67.5	39.6	61.8	100.5	≤8.7	57.3	56.9
69633	67.6	59.5	61.7	(00.7		57.5	57-1
68430	66.9	59.3	61,4	60.4	58.9 58.8	57.1	56.5
68631	67.4	59.0	G1.5	60,2	58.3	57.1	56.8
69634	65.7	59.2	61.4	100.4	58.9	57.4	56.9
68567	65.9	58.9	61.0	100.1	58.5	57.7	57.0
94227	66.5	59 2	61.5	100.3	58.4	57.7	571
LASB50442	67.0	60.0	61.6	60.5	58.7	57.6	57.2
69644	66.8	50:6	61.7	[0].4	58.9	57.7	57.2
LASB50443	66.8	59.4	61.5	40.0	59.1	57.9	57.3
69638	67.3	59.4	61.4	100,2	59.0	57.6	57.0

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6.[6] Date: From 10-6-14 to 10-12-14

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Container ID#	Temp (°F) (6.[10]/6.[11])						
A-54-375 Cell 2 (cor	itinued)						
68624	67.2	59.5	61.6	(00.1	59.2	57.4	57.1
68507	106.9	59.5	61.8	61.5	59.8	58.1	57.4
69568	66.3	59.4	11 5	60.4	58.8	58.0	57.0
69553	66.4	59.4	61.4	10.0.1	58.8	<76	56.8
69598	65.9	59.3	61,2	100.1	58.8	57.4	57.1
LASB50559	66.3	59.8	67 G	60.5	59.1	58,0	57.4
69015	67.6	66.0	61.9	60.7	59.4	58.1	57.5
69639	67.2	52.7	61.7	40.6	59.4	58.3	58.0
69637	67.5	59.7	61.7	100.3	59.0	57.9	57.4
mbient Temperature 5.[14])	66.1 °F	60.4°F	68.4°F	40.7°F	<u>58.6</u> °F	57.9 °F	569 °F
nd Time (6.[15])	1649	_1011	1031	1014 -	0942	0924	0917
6.[15]	Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: DOPERATOR: NS	Operator: Operator:	Operator: &C

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6.[6] Date: From 10-6-14 to 10-12-14

SOM or designee (print)

Signature

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6.[19] Performed by:				
Juan Crarcia Lyman resia	11698401 Ad 10-6-14	1 Shalar	1 show	11(1598 18141009
Operator (print) Signature	Z# (Nithals Date	Operator (print)	Signature	Z# Initials Date
	116578 100614	Pancho Miera	Y Lems	1235765/17 100/0/1
Operator (print) Signature	Z# Imijals Date	Operator (print)	Signature	Z# Initials Date
THOWAS VIOTE LY	1236382/ 4/10/14	Horman Sancher	1-06 Ruan Jan V	1181818/ 15 110/10/11
Operator (print) Signature	7# Initials Date	Operator (print)	Signature	Z# Initials Date
Joshual Lehen 17	1165%/ 10/16014	Pancho Mera	11-ems	1235761 17 110/11/1
	Z# Inilials Date	Operator (print)	Signature	Z# Initials Date
THOMAS VIETE / TENTO	1236382/ Az/10/8/14	bear montos		11915061-E VOL1/
Operator (print) Signature	Z# Initials Date	Operator (print)	Signature	Z# Initials Date
Tosterahar Volerators	1165981/2/100314	E107 D. Gordung	198n_	1114188 18 ( 110.151
Operator (print) Signature	Z# Initials Date	Operator (print)	Signature	Z# Initials Date
Bosephine Duran Ass	151971 NO 10/09/14	from montoth	1- in	119/526/ 10/12/
Operator (print) Signature	Z# Initials Date	Operator (print)	Signature	Z# Initials Date
8.1[2] Reviewed by:				

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 10-6-14 to 10-12-14

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	10-60-11						
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	6.[6]	6.[6]	6.[6]	6.[6]	6.[6]	6.[6]	6.[6]
	Start Time: 1628	Start Time: <u>(AS3</u>	Start Time: 0959	Start Time: <u>1952</u>	Start Time: <u>6923</u>	Start Time: 090Z	Start Time: <u>0959</u>
TA-54-375 Cell 3							4
Calibrated Infrared Thermometer (6.[7])	Model Support of Cal. Due Date: 6-12-15 File Number 101916	Model: 56 Cal. Due Date: 612 15	Brand: FUKL Model: 56 Cal. Due Date: 6/12/15 File Number 10/19/16	Brand: Flute Model: Stol Cal. Due Date: 6/17/15 File Number / OPILO	Brand: Puke  Model: S(e)  Cal. Due Date: 6 07 5  File Number 10 9 6	Brand: Mulle Model: Stol Cal. Due Date: 6/12/15 File Number: 0/0/6	Brand: Flow  Model: 56  Cal. Due Date: 6/2/ File Number / 0/9/6
Ambient Temperature (6.[9])	<b>6</b> 7.5 °F	60.2°F	61.7°F	(d.0 °F	59.0 °F	58.2 °F	57.6 °F
Container ID#	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])
69519	67.1	66.1	6/6	60.8	54.7	58.2	57.6
69645	67.1	60.3	61.7	61.7	60.3	58.8	57.8
94068	67.5	G0. Z	0.50	614	40.3	59.1	58.4
93605	67.5	60.8	5.5		60.8	59.2	58.0
69548	67.8	GO .4	67.0	61.7	60.7	59.1	58.4
69604	67.6	60.4	62.1	(01.7	59.8	59.0	57.8
LASB50529	67.3	G. 2	61.7	61.3	59.6	59.3	57.5
LASB50418	67.4	60.1	61.5	(0.1.2	59.4	58.4	58.0
69036	67.8	60,1	61.5	61.1	59.9	58.3	56.8
LASB50451	67.8	5.00	61.8	61.3		1458.8	57.6
69559	68.0	60.3	62.0	61.3	60.7 30	50.4 58.9	58.8
LASB50448	68.6	60.7	62.1	61.4	40.6	59.1	58.0
Ambient Temperature (6.[14])	67.6 °F	60,8°F	67.8 °F	61.3°F	59.7 °F	<u>≤8.1</u> °F	57.4°F
End Time (6.[15])	1633	1000	_1007	0958	093	0907	0903
6.[15]	Operator:	Operator:	Operator:	Operator: Operator:	Operator: Operator: NS	Operator: Operator:	Operator: 5 c

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6.[6] Date: From <u>10-6</u>	-14 to 10-12-14					
6.[2] Comments:						
6.[19] Performed by:	1 01					
Operator (print) Operator (print) THOMAS V261	Signature Signature		1 1	Operator (print)  Operator (print)  Operator (print)	Signature Signature Signature	1   1   1   1   1   1   1   1   1   1
Operator (print) Operator (print) Harvas Vacil	Signature Signature	Z# Initials /\65% /\L65\text{/\l65\text{/\L65\text{/\l65\text{/\text{/\l65\text{/\l65\text{/\l65\text{/\l65\text{/\l65\text{/\l65\text{/\l65\text{/\l65\text{/\l65\text{/\l65\text{/\l65\text{/\text{/\l65\text{/\l65\text{/\l65\text{/\l65\text{/\l65\text{/\l65\text{/\l65\text{/\l65\text{/\l65\text{/\l65\text{/\l65\text{/\text{/\l65\text{/\l65\text{/\l65\text{/\l65\text{/\l65\text{/\l65\text{/\l65\text{/\l65\text{/\l65\text{/\l65\text{/\l65\text{/\text{/\l65\text{/\l65\text{/\l65\text{/\l65\text{/\l65\text{/\l65\text{/\text{/\text{/\text{/\text{/\text{/\text{/\text{/\text{/\	Date	Operator (print) Pancho Micra Operator (print)	Signature Signature	
Operator (print) Operator (print)	Signature Signature	/ 23.382 / +/ Z# Initials /	/ Date -/ 100814 Date	Operator (print)  Eloy D. Lovens Operator (print)	Signature / Signature	191526   &   10/10/19   Z# Initials Date   114188   EC   10-12-10   Z# Initials Date
Operator (print)	Signature	/151771 AU Z# Initials	110/9/14 Date	Operator (print)	Signature	<u>/1/57/  -   /0/ 2//9</u> Z# Initials Date
8.1[2] Reviewed by:						
SOM or designee (print)	/ Signature	/ / / Initials	/ Date			



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

6.[6] Date: From 10-13-14 to 10-19-14

	Monday 6.[6] Start Time: 0824	Tuesday 6.[6] Start Time:	Wednesday 6.[6] Start Time:	Thursday 6.[6] · Start Time:	Friday 6.[6] Start Time:	Saturday 6.[6] Start Time:	Sunday 6.[6]
TA-54-231					Otter Time.	Start Time.	Start Time:
Calibrated Infrared Thermometer (6.[7])	Brand: Fluke Model: 561 Cal. Due Date: 7-29-15 File Number 101974	Brand:  Model: Cal. Due Date: File Number	Brand: Model:	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.[9])	46.8 °F	°F	°F	°F	°F	oF	°F
Container ID #	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])
S818435	47.2						(======================================
S802833	46.5						
S801676	46.7						
S816810	44.5						
70069	43.8						
S822844	44.2						
S825879	44.0						
\$793724	44.4						
S813545	44.9						
S822713	46.3				-		
S802739	46.2						
69907	46.3						
S804995	47.1						
S816434	48.4						

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6.[6] Date: From 10.13.19 to 10.19.19

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Container ID #	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])				
TA-54-231 (continue	d)					(0,[10]/0,[11])	(0.[10]/0.[11])
S805289	48.4					The part of the second	
S862888	47.7						
70072	47.1						
S823184	46.9						
S822599	46.1						
69904	45.1						
S805051	44.8						
S864213	45.0						
S853714	44.5						
S803078	44.2						
S825878	44.8						
S823124	45.4						
S804948	47.2						
S813385	47.7						
S842446	49.7						
mbient Temperature (i.[14])	47./ °F	oF	°F	oF	oF	°F	°F
nd Time (6.[15])	0829						
6.[15]	Operator: JR	Operator:	Operator:	Operator:	Operator:	Operator:	Operator:
	Operator:	Operator:	Operator:	Operator:	Operator:	Operator:	Operator:



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# ATTACHMENT 2 Page 3 of 3

5.[2] Comments:									
[10] Doufound law									
5.[19] Performed by:						,			
Jackie Romeno Operator (print)	Igaskie Romeno	<u>/18706</u> Z#		110-13-14	Operator (print)	/ Signature	/ Z#	/	/
E1.70.612.4	/ S& 1)		Initials		oportion (print)	/	Z# /	Initials	Date
Operator (print)	Signature	7/19/3 Z#	Initials	1/0-13-14 Date	Operator (print)	Signature	/ Z#	/ Initials	/ Date
1 (1 )	/	/	/	/		/	/	/	/
Operator (print)	Signature	Z#	Initials	Date	Operator (print)	Signature	Z#	Initials	Date 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
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Operator (print)	Signature	Z#	Initials	Date	Operator (print)	Signature	Z#	Initials	Date
Operator (print)	/ Signature	/	1=iti=1=	<u>/</u>	Operator (print)	/ Signature	/_ Z#	/ Initials	/ D-4-
oporator (print)	Signature	Z#	Initials	Date	operator (print)	orgnature	Z.#	minais	Date
1507 D									
1[2] Reviewed by:									
001/	/	/	/	/					
SOM or designee (print)	Signature	Z#	Initials	Date					



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

6.[6] Date: From 10.13.14 to 10.19.14

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	Monday 6.[6] Start Time: <b>0955</b>	Tuesday 6.[6] Start Time:	Wednesday 6.[6] Start Time:	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						Start Time.	Start Time
Calibrated Infrared Thermometer (6.[7])	Brand: FLUKE  Model: 576   Cal. Due Date: (e-12-15)  File Number 101915	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.[9])	_54.3 °F	°F	°F	oF.	°F	°F	°F
Container ID#	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])
68685	53.8						
68540	54.0						
68553	54.0						
69445	54.1						
69618	54.1						
69013	54.5						
LASB50522	55.2						
LASB50452	54.8						
LASB50431	54.6						
LASB50069	54.9						
LASB50073	55.1						
69636	55.4						
69616	55.1						
69417	55.4						

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6.[6] Date: From 10.13.14 to 10.19.14

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F)	Temp (°F) (6.[10]/6.[11])
tinued)						
55.7						
55.9						
56.2						
56.6						
56.2						
55.4°F	°F	oF.	or	°F	°F	°F
1004						
Operator: Operator:	Operator: Operator:	Operator:	Operator:	Operator:	Operator:	Operator:
	Temp (°F) (6.[10]/6.[11])  tinued)  55. 7 55. 9 56. 2 56. 2 56. 2 55. 4 °F  1004  Operator: 56./	Temp (°F) (6.[10]/6.[11])  tinued)  555. 7  555. 9  56. 2  56. 2  56. 4  Operator: Operator:	Temp (°F)	Temp (°F)	Temp (°F)	Temp (°F)

-	2,00,00							
-	2,00,00			 		 		
-				 		 		
-	2,00,00			 		 		
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Signature



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[19] Performed by:	1 Swan Pascia	16984	10/11	/ 10-13-14		/	/	/	/
Operator (print)	Signature	Z#	<i>I</i> phials	Date	Operator (print)	Signature	Z#	Initials	D
Joshualop2	Jules to	11165	18/-12/	1101314		/	/	/	/
Operator (print)	Signature	Z#	Mitials	Date	Operator (print)	Signature	Z#	Initials	D
		/	/	/		/	/	/	/
Operator (print)	Signature	Z#	Initials	Date	Operator (print)	Signature	Z#	Initials	D
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Operator (print)	Signature	Z#	Initials	Date	Operator (print)	Signature	Z#	Initials	D:
	/	/	/	/			/	/	/
Operator (print)	Signature	Z#	Initials	Date	Operator (print)	Signature	Z#	Initials	D:
	/	/	/	/		/	/	/	/
Operator (print)	Signature	Z#	Initials	Date	Operator (print)	Signature	Z#	Initials	Da
	/	/	1	/		/	/	/	/
Operator (print)	Signature	Z#	Initials	Date	Operator (print)	Signature	Z#	Initials	Da



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#### **ATTACHMENT 4**

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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 10.13.19 to 10.15.19

	Monday 6.[6]	Tuesday 6.[6]	Wednesday 6.[6]	Thursday 6.[6]	Friday 6.[6]	Saturday	Sunday
	Start Time: 1006	Start Time:	Start Time:	Start Time:	Start Time:	6.[6] Start Time:	6.[6] Start Time:
TA-54-375 Cell 2					Danie Time.	Start Time.	_ Start Time
Calibrated Infrared Thermometer (6.[7])	Brand: FLUKE  Model: 5761  Cal. Due Date: 6-12-15  File Number 101912	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.[9])	56.3 °F	°F	°F	°F	°F	oF	°F
Container ID#	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])
LASB02198	54.3	-					(0.[.0],0.[.1])
68638	56.0						
69615	576.3						
69635	56.6						
69642	56.0						
69630	57.4						
69633	56.7						
68430	57.0						
68631	DINIS 6. \$ 55.7						
69634	576.4						
68567	56.2						
94227	55.9						
LASB50442	56.6						
69644	56.6						-
LASB50443	56.4						
69638	56.7						

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6.[6] Date: From 10.13.14 to 10.19.14

	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F)	Temp (°F)	Temp (°F)
entinued)				(*([*],*([*])	(0.[10]/0.[11])	(6.[10]/6.[11])
56.9						
					,	
57.5						
57.1						
56.3 °F	oF.	°F	°F	oF	°F	°F
1014						
Operator:	Operator:Operator:	Operator:	Operator: Operator:	Operator:Operator:	Operator:Operator:	Operator:
	(6.[10]/6.[11])  ntinued)  56.9  58.8  58.3  56.1  56.4  57.4  57.5  57.1  56.3 °F  1014  Operator:	(6.[10]/6.[11]) (6.[10]/6.[11])  ntinued)  56.9  56.8  57.3  56.1  56.4  57.1  57.5  57.1  56.3 °F	(6.[10]/6.[11]) (6.[10]/6.[11]) (6.[10]/6.[11])  ntinued)  56.9  50.8  50.1  50.4  50.4  57.1  57.5  57.1  50.3 °F	(6.[10]/6.[11]) (6.[10]/6.[11]) (6.[10]/6.[11])  ntinued)  56.9  50.8  50.1  50.4  57.1  57.5  57.1  50.3 °F	(6.[10]/6.[11]) (6.[10]/6.[11]) (6.[10]/6.[11]) (6.[10]/6.[11])  ntinued)  56.9  56.8  57.3  56.1  57.4  57.5  57.1  96.3 °F	Temp (°F) (6.[10]/6.[11]) (6.[

#### Nitrate Salt-Bearing TRU Waste Container Mo.

Z#

Initials Date



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### **ATTACHMENT 4**

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6.[6] Date: From 10.1	3./4 to 10.19.14	_
6.[19] Performed by:	Sunashicia	169840,10-13-14

operator (print) where Sperator (print) Signature Operator (print) Signature Z# Initials Date Operator (print) Signature **Z**# Initials Date Operator (print) Signature Z# Initials Date Operator (print) Signature Z# Initials Date

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

#### 8.1[2] Reviewed by:

Operator (print)

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

Signature



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#### **ATTACHMENT 5**

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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 10.13.14 to 10.19.14

	Monday 6.[6] Start Time: <b>0948</b>	Tuesday 6.[6] Start Time:	Wednesday 6.[6] Start Time:	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 (6.[7])	Brand: FLUKE  Model: 56/ Cal. Due Date: 6-12-15  File Number 101916	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.[9])	56.0 °F	°F	°F	°F	°F	°F	°F
Container ID#	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11]
69519	56.2					( <u>-</u> <u>-</u> <u>-</u> <u>-</u> <u>-</u> <u>-</u> <u>-</u> <u></u>	(0.[10],0.[11]
69645	56.4						
94068	56.8						
93605	56.5						
69548	570.4						
69604	56.4						
LASB50529	56.6						
LASB50418	56.4						
69036	56.3						
LASB50451	56-1						56
69559	56.3						
LASB50448	56.3						
Ambient Temperature 6.[14])	56.2°F	°F	°F	°F	°F	°F	°F
End Time (6.[15])	0954						
6.[15]	L AV7 A	Operator:	Operator:	Operator:	Operator:	Operator:	Operator:
	Operator:	Operator:	Operator:	Operator:	Operator:	Operator:	Operator:

Z# 114188

INITIAL &C DATE 10:13:19



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SOM or designee (print)

Signature

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Initials Date

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#### **ATTACHMENT 5** Page 2 of 2

6.[6] Date: From _/	0.13.14 to 10.19.1	4							
		<del></del>							
6.[2] Comments:									
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									<u> </u>
6.[19] Performed by:									
Juan Czarvia	A. M.	1100	10 /11			1	,		
Operator (print)	Signature	/ <b>/6984</b> Z#	britials	/10-13-14 Date	Operator (print)	/ Signature	/ Z#	/ Initials	/ Date
Oslera Lopz				101314	, ,	/	/	/	/
Operator (print)	Signature	7/165	Initials	Date	Operator (print)	Signature	Z#	Initials	Date
		/	/	/			/	/	/
Operator (print)	Signature	Z#	Initials	Date	Operator (print)	Signature	Z#	Initials	Date
On another (mains)	/	/	/	/	On another (animt)	/	/		/
Operator (print)	Signature	Z#	Initials	Date	Operator (print)	Signature	Z#	Initials	Date
Operator (print)	/ Signature	/_ Z#	/ Initials	/ Date	Operator (print)	/ Signature	/	/ Initials	/ Date
openior (print)	/	/_tt	/	Date	- p(p)	/	Z# /	/	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:									
	/	,	,	,					

#### Nitrate Salt-Bearing TRU Waste Container Monitoring

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## ATTACHMENT 6 Page 1 of 3

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

6.[6] Date:	From ( <b>5-10</b> -	14 10 60-	10-14	Location.	325									
	Start Time: 6.[6] <b>06 28</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: [429	Start Time: 6.[6] 1520	Start Time; 6.[6]	Start Time: 6.[6]	Start Time:	Start Time:
Calibrated Infrared Thermometer (6.[7])	Brand: Model:	Brand: Model:	Brand: Model:	Brand Model	Brand: Mollel:	Brand: Model:	Brand:	Brand Model	Brand: Motel:	Brand: Model.	Brand: Model:	Brand: Model:	Brand: Model	Brand: Model:
(0.17)	Cal Wue Date File Number	Cal Rue Date: File Number	Calopue Date: File Number	Calathe Date File Number	Cal Liux li ate: File Number	Ca Du Date:	Carlue Date:	Ca true Pate File Number	CUDuc Date: File Number	Celt Dua Date: File Number	Car Due Date:	Cal. Due Date File Number	Cal Dua Date: File Number	Cal. Due Une:
Ambient Temperature (6.[9])	56.64 °F	ઽ6.4ન	56.42	56.71°F	57.34	58.37 ·F	58.6F	59.44	60.93	59.72	59,34	58.83	o.t.	°F
Container ID # (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6,[10]/6,[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])
68685 TI	56.50	56.23	56.3	56.47	57.17	58.12	58.37	5911	59,77	59,29	58.89	58,45		
68685 12	56.23	56.00	559	56.27	56,92	57.91	58.00		59.36		58.5	28.07		
50522 54	57.0	56.87	56.31	56.95	57.45	58.17 58.21	58.36		59,53		58.89	58.54		X
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JAITINI **BTAQ** 

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DATE 10-10-14

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6.[6] Date: From 15-15-14 to 10-10-14 Location: 325

Container ID # (6,[10]/6,[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])_	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11				
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Ambient Femperature 6.[14])	56.64°F	56.47	56.4F	56.13	57.34		58.60	59.48	66.23	59.7F	59,3 br	58.583	°F	
	0630	0132	0831	0927	1027	1130	1229	1328	1429	1528	1627	1798		
6 [15]	2773r: C	Орегатог:		Operator:	Operator:	Op <b>ogr</b> or:	Operator:	Operators	Operator:	Operator:	Operator:	Operator	Operator:	Operator:
	Operator:	Operator:	Operator: Operator:	23	Operator:	Operator:	Operator: Operator:	Operator:	Operator:	Operator:	Operator:	Operator:	Operator:	Operator:
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Nitrate	Salt	-Bearing	TRU	Waste	Container	Monitoring
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Revision: 4

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ATTACHMENT	6
Page 3 of 3	_

6.[6] Date: From 6-10-14 to 10-1	10-14 Location 375					
6.[2] Comments: No entre	indo per com	per sta	ding order	Area G	50-1280 F	2.0, hour
		A				
			on the second se			
Operator (print) Signature Operator (print) Operator (print) Signature Operator (print) Signature Operator (print) Signature	Z# Initials Date  Z# Initials Date	Operator (print)	Signature / Signature / Signature / Signature / Signature / Signature / Signature	Z# Initials Da  Z# Initials Da  Z# Initials Da  /  Z# Initials Da	te te	
8.1[2] Reviewed by:  SOM or designee (print) Signature	/ / / Z# Initials Date			00PV		
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### TA-54 AREA G NITRATE SALT TRU WASTE CONTAINER HOURLY TEMPERATURE DATA SHEET

6.[6] Date From 13/014 to 10/1/14 Location 375 Start Time: Start Time Start Time Start Time: Start Time: Start Time: Start Time: Start Time: 6.[6] 6.[6] 6.[6] 6.[6] 0856 6.[6] 6,[6] 6.[6] 6.[6] 6.[6] 6.[6] 3226 1825 1928 2029 2126 0429 0529 8510 Calibrated Brand Brand Brand Brand Brand Infrared Model: Model Thermometer Model Model Model Model Model Model Model: Model Model Model (6.[7])Cal. Due Date Cal Due Date. Cal Due Date File Number File Numb File Numb File Number Ambient 56.85°F 56.55°F 56-37°E 57.28 of 55.74°F Temperature 58,27 °F 57.78 °F 56.22°F oF (6.[9])Container ID# Temp (°F) (6.[10]/6.[11]) (6.[10]/6.[11]) (6.[10]/6.[11])(6.[10]/6.[11]) (6.[10]/6.[11]) (6.[10]/6.[11]) (6.[10]/6.[11]) (6.[10]/6.[11]) (6.[10]/6.[11])(6,[10]/6,[11]) (6.[10]/6.[11]) (6,[10]/6,[11]) (6.[10]/6.[11]) (6.[10]/6.[11]) (6.[10]/6.[11]) 57.95 57.48 56.06 57.02 56.44 55.56 57.15 54.72 55.86 55.29 57.81 57.42 56.24 55.6765.27 56.63 68.08 57.71 57.06 57.37 56.26 N

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6.[6] Date: From 101014 to 101114 Location: 575

Container 1D # (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F1 (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6,[10]/6,[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6,[10]/6,[11])	Temp (°F) (6.[10]/6.[11
							1/							
							A							
							,							
	58.6°E	57.8 °F	<u>57.3</u> °F	56.85°F	5657 <sub>F</sub>	5637°F	5634 - 2-101114	56.21°F	55.74 <sub>°F</sub>	55.16 <sub>°F</sub>	54.4 <sub>°F</sub>	54.51		°F
6.[14]) End Time 6.[15])	1256	1979	20 30	2128	2558	2378	20028	1	0230	0330	0430	0530		
	Operator:	Operator:	Operator:	Operator:	Operator:	Operator:	Operator:	Operator:	Operator: Operator:	Opp HOE	Obrotor:	One or: (Gerator:	Operator: Operator:	Operator:
	Operator:	Operator:	Operator:	Operator:	Operator:	GET STATE OF	GE .	Organior:	Operator.	CE	SE	G-C	Operator.	Орегани

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				ATTACHN Page 3							
6.[6] Date: From <u>10</u>	1014 to 101114	Location: 37	75/231		<i></i>						
1		vruco pe			114188. W Avea G-5	50-17	80 (r	2,0	hour	ly four	<i>PS</i>
6.[19] Performed by:	/	7 7 7			1		v i	7			
Operator (print) Operator (print)	Signature Signature	116578 JW	10114	Operator (print) Operator (print)	Signature / Signature	Z# / Z#	Initials / Initials	/			
Gereld Esping:	Signature	//20976/ AE/	10 11 14 Date	Operator (print)	Signature 2 A	Z# /	/ / /	Date			
Operator (print)	Signature A	Z# Initials E	Date	Operator (print)	Signature / ·	Z#	Initials	Date			
Operator (print)	Signature /	Z# Initials D	Date	Operator (print)	Signature /	Z#	Initials	Date			
Operator (print)	Signature	Z# Initials D	Date	Operator (print)	Signature	Z# /	Initials	Date			
Operator (print)	Signature	Z# Initials D	Date	Operator (print)	Signature	Z#	Initials	Date			
8.1[2] Reviewed by:	· F										
SOM or designee (print)	Signature	Z# Initials D	ate								

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

6.[6] Date: From 10/11/14 to 10/11/14 Location: 54-375/54-23/

		Start Time: 6.[6]	Start Time: 0729	Start Time:	Start Time: 6.[6]	Start Time: 6.[6] /030	Start Time: 6.[6]	Start Time: 6.[6]	Start Time: 6.[6]	Start Time: 6.[6]	Start Time: 6.[6]	Start Time: 6.[6] /626	Start Time: 6,[6]	Start Time: 6.[6]	Start Time: 6.[6]
	Calibrated Infrared	Brand:	Brand:	Brand:	Brand:	Brand:	Brand.	Brand.	Brand.	Brand:	Brand:	Brand:	1728 Brand:	Brand	Brand.
	Thermometer (6.[7])	Cal. Due Date	Model: Model: Cal. Due Date:	Model:	Model:	Model:	Model:	Model Cal Dre date	Cal Die Date:	Modal  Cal. Due Date	Model:	Model: Cal. Dut Date:	Model:	Model Cal Data	Model:  Cal. Due Date
		Fue Number	File Number	File Number	File Number	File Number	Fyle Number	Fue Number	File Number	Frie Number	File Number	File Number	File Number	Cal. Due Date:	File Number
	Ambient Temperature (6.[9])	54,87°F	54.65°F	54.74°F	53.15°F	56.12°F	57.45°F	<b>66.63</b> °F	63.67°F	62.76°F	61.77	60.48	61.06F	ole	olt.
	Container ID # (6,[10]/6,[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Teinp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])				
TI	68685	54.58	5457	54.71	56.06	56.12			63.15	63.38	62.37	61.1	60.99	\	
12		54.31	54.24	54.47	54.82	55.81			62.38	62.7	61.98	60.92	60.43		\
14	50522	55.37	55.33	55.44	55.65	56.42		59.38	61.56	61.31	60.81	6021	60.35		
12	50522	55.4	55.39	55.48	55.74	56.44	57.49	59.45	61./	61.43	60.94	60.31	60.35		
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6.[6] Date: From 10/11/14 to 10/11/14 Location: 54-375/54/23/

Container ID # (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6 [10]/6 [11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11]
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	81													
										,				
Ambient	-11/2	6111	e2(-)	55./5°F		- 10	1013	1267	1		1	10/0/18/m		
Temperature (6,[14])	54.67F				56./2°F	57.49°F	<b>60.63</b> °F	63.67 <sub>°F</sub>	62.85°F	61.77	60.48	61.04	°F	oF
End Time (6.[15])	0635	0731	0832	0931	1033	1130_	1235	1333	1430	1529	1628	1730		
6,[15]		September:	Opensor:	Operator:	Operator:	Operator:	Operator:	Open 19:	Operator:	Operator:	Operator:	Operator	Operator:	Operator:
	Operator	Operator:	Оретог:	Operator:	Operator:	Орфау	P213	Operator:	Openia:	Operator:	Ородья:	ОрузуЯ:	Operator:	Operator:

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6.[6] Date: From 10/	11/14 10 10/11/14	Location: <u>375/23/</u>	ATTACHME Page 3 of					
6.[2] Comments: No	Entir Allowed into	o fermen per Stund	my order Area	6 50 1240 8.6	0 42 Col	D, howly	temps are	- teken
						,		
			···					
6[19] Performed by:	XBnx	116-65, 43, 10-11-14		/	/	/ /		
Operator (print)  Oanche Miera	Signature	Z# Initials Date  235765/ 77   10-1/- 14	Operator (print)	Signature /	Z#	Initials Date		
Operator (print)	Signature /	Z# 150 Initials Date  Z# Initials Date  Z# Initials Date	Operator (print)	Signature /	Z#	Initials Date		
Operator (print)	Signature / S.J. 1	Z# Initials Date	Operator (print)	Signature /	Z# /	Initials Date		
Operator (print)	Signature	Z# Initials Date	Operator (print)	Signature /	Z#	Initials Date		
Operator (print)	Signature A	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:	1							
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: 1	From <u>/o-//-/</u> 4	to <u>/o·/</u>	2-14	Location:	375									
	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]
Calibrated Infrared Thermometer	Brand:	Brand: Model:	Model:	Brand: Model:	Brand: Model:	Brand: Model:	Rrand: Model:	Brand: Model:	Brand:	Brand: Model:	Brand: Model:	Brand: Model:	Brand: Model:	Brand: Model:
(6.[7])	Cal Due Date	Cal Due Date	Cal Due Date	Cal Due Date.	Cal Due Date	Cal. Due Date:	Cal. Due Dafe	Cal. Due Date:	Cal, Due Diff:	Cal, Due Date	Cal. Due Dail	Cal Due Date	Cal. Due Date:	Cal. Due Date:
Ambient	File Number	File Number	File Number	File Number	File Number	File Number	File Number	File Number	File Number					
Temperature (6.[9])		60.88F	59.89	58.4E	57.47	56.64	56. LFF	55,6R	55-21€	54.71F	54,4º2	54,33		°F
Container ID # (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])					
68685 T,	60.27	6037	59134	54.02	5216	56.35	55.87	55.46	55.04	54.54	54.29	54.24		
68685 Te	60.35	59.9	58.9	57169			55.55	55.15	54.74	54,27	54.02	53.96		
50522 74	60.36		59.29	58,73		56.89	56.52	56.2	55.88	55,48	55.25	55.15		111
50522 75	60.35	59,98	59116	58.06	52.39	56.83	56,46	56.16	55.85	55.5	55.27	55.13	10	$\overline{}$
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6.[6] Date: From 10-11-14 to 10-12-14 Location: 375

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Container 1D # (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[11])	Temp (°F) (6.[10]/6.[11])
145.0						0, 0								-
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													1	11
Ambient														\ ,
Temperature (6.[14])	61.3°F	60.9°F	59,87	58.43	57.46	56.64	56,11°F	55.69	55.2±	54.7 ps	54,40	5433	-F	°F
End Time (6.[15])	1829		2627			2332	0529	0128		0328	0427	0526		
0.[13.0	Operator:	Operator:	Operator: Operator	Operator:	Operator:	Operator:	Operator:	Operator:	Operator:	Operator: Operator:	Operator Operator	Operator: Operator	Operator:	Operator:
			.5.		¥ 1 -		V -			020001112		0"		

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## ATTACHMENT 6 Page 3 of 3

		1 age 5 01 .	•		
6.[6] Date: From 10-11-14 to 10-12-14	Location: 375	<del></del>			
6.[2] Comments: O & Entry into	permon punda ba	Per stand	/ A	Avea G5	0-1280 R.O, lear)
		4 /			
Operator (print) Signature Z#	Initials Date  / Initials Date / Initials Date / Initials Date / Initials Date / Initials Date / / Initials Date / / Initials Date	Operator (print)	Signature /		
	/ /				
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

	Start Time: 6.[6]	Start Time: 1306.[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] 1428	Start Time:	Start Time:	Start Time: 6.[6]	Start Time: 6,[6]	Start Time: 6.[6]
Calibrated		Politaly	Brand:	Brand:	Brand	Brand:	1230 Brand:	Brand	Brand.	1529 Brand	163'   Brand	1731 Brand:	Brand:	Brand
Infrared Thermometer	Model:	Model:	Model:	Model:	Model:	Model:	Model:	Model A	Model	Nodel:	Model	Model:	Model:	Model
(6.[7])	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
Ambient Temperature (6.[9])	53.84°F	53.45 <sub>F</sub>	53.99 °F	55.26F	57.74°F	61.58°F	62.11°F	61.16 °F	60.34°F	6084°F	62.04°F	61.73°F	ot.	olt
Container ID # (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F)	Temp (°F) (6.[10]/6.[11])	Temp (°F)	Temp (°F) (6.[10]/6.[11])	Temp (°F)	Temp (°F)
68685Ti	53.78	53.45	53.94	55.13	57.54	61.01	61.91	60.75	59.89	10.31	61.33	61.23	(0.10,10.11)	(C. to / C. (II)
68685 TZ	.53.53	53.19		54.96	57.24		61.25	60.16	59.29		60.76	60.60	1	
SOSZZT4		54.47	54.92	55.69			60.99	60.16	5954	59.93	60.73	60.76		
STSSCE	54.78	54.44	54.84	55.82	57.62	60.16	60.93	60.08	59.47	59.93	60.73	60.73		
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6.[6] Date: From 10-12-14 to 15-12-14 Location: 375

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6.[6] Date: From 10-12-14 to 10-12-14

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Location: 375

Container ID # (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6 [10]/6 [11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11]				
							A.							
						N								
Ambient Temperature (6.[14])	53.80F	53.4°	53.99°F	55.Z6F	<b>57.77</b> ∘ <sub>F</sub>	61.58°F	67.11°F	61.19 °F	60.38F	60.87°F	62.01°F	61.73°F	°F	oF.
End Time (6.[15])	0630	86317	0836	0930	1030	1/32	1231	133)	1429	530	1632	1732		
6.[15]	Operator;	Operatorio	Operator	Operator:	Operator:	Operator:	Operator:	Operator:	- 1	2013:			Operator:	Operator:
	Operator:	Operator:	Operator:	Operator:	Ороганот	Opensor:	Operator:	Operator:	Operator:	Operator:	Operator:	Operator: Operator:	Operator:	Operator:
										7	7	0		

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	ATTACHMEN Page 3 of 3					
6.[6] Date: From 10-12-14 to 10-12-14 Location: 37.5						
6.[2] Comments: No Endis into perman per 51-nding ord	er Area 6 = 50-17	to to and food h	will ten	ps are -	tuku using data	
6-[19] Performed by:  Cancho Miera   Signature   Signa	Operator (print)	/ Signature	/ / Z# In	/		
Operator (print) Signature Z# Initials Date    Description   Description	Operator (print) Operator (print)	Signature / Signature	1 1	itials Date		
Operator (print)  Signature  Z# Initials Date  1/4/86/5c 1/0/12/19  Operator (print)  Signature  Z# Initials Date  1/4/86/5c 1/0/12/19  Z# Initials Date	Operator (print)	Signature /	1 1	itials Date		
Operator (print)  Signature  A  Z# Initials Date  / / /  Operator (print)  Signature  Z# Initials Date	Operator (print)	Signature / Signature	/	itials Date		
Operator (print)  Signature  Z# Initials Date	Operator (print)	/ Signature	Z# In	itials Date		
8.1[2] Reviewed by:  / / / /  SOM or designee (print) Suprature 7# Initials Date						

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

6.[6] Date:	From 10-12	·14 to 10.	13.14	Location: _	375									
	Start Time: 6.[6] /8.33	Start Time: 6.[6] 1927	Start Time: 6.[6]	Start Time: 6.[6]	Start Time: 6.[6]	Start Time: 6.[6] 2328	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 (6.[7])	Brand:  Model:  Cal. Due Date:  File Number	Brand:  Model:  CA Due Date:  File Number	Brand:  Model: A Cal. Due Date:  File Number	Brand:  Model: Cal. Due Date:  File Number	Brand:  Model: Cal. Due Oate: File Number	Brand:  Movel: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand:  Mpdel: A  Cal. Due Date:  File Number	Brand:  Mond: A  Cal. Due Date:  File Number	Brand: Model: A Cal. Due Date: File Number	Brand: Mgdel: Cal. Due Date: File Number	Brand:  Model: A  Cal. Due Date:  File Number	Brand: Madel: Cal. Due Date: File Number	Brand: Model: A Cal. Due Date File Number
Ambient Temperature (6.[9])	59,99°F	57.85°F	<i>53,48</i> °F	53.87°F	57.15°F	52,65°F	52.21°F	51.69	51.97 <sub>F</sub>	57.49°F	52.59 <sub>°F</sub>	51.92°F	°F	0
Container ID # (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F)	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F)	Temp (°F) (6)[10]/6.[11])	Temp (°F)
68685 T.		57.49	58.33		53,15	52.68	52,35	51.89	52.44	52.03	53.40	52.50	(6) 10 / 6.(11))	(6[10]/6.[11
5052274		57.02	54.85		54.40	53,90	52.12	51,66	52.15	57.61 53.30	52.04	52.27		
5052275	59.35	_	55.99		54.31	53.89	53.62	53.21	53.64		54.24	53.50	AA	NA
				NA										+
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6.[6] Date: From 10-12-14 to 10-13-14 Location:

Container ID # (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°I²)		p (°F) ]/6.[11])	Tem (6.[10	np (°F) ]/6.[11])					
							JA									
													١٨٢	A		A
													/0	re	70	1
Ambient																-
Temperature 6.[14])		57.84°F	55.48°F	53.88°F	<i>53,15</i> ∘ <sub>F</sub>	52.65°F	5224°F	57.69°F	51.92F	57.42°F	52.58	51.9Z				F
End Time 6.[15])	1834	1928	2030	2131	2230	2329	0030	0/28	0229	0329	0429	0531				
6.[15]	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operato	\	Operato	\

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				1 115-0 01						
6.[6] Date: From 10-	12.14 to 10.13.14	_ Lo	cation: 3 75	<del></del>						
6.[2] Comments:	10 Entry in	to p	ermacon per	- Standing	order area	L G	-50	-1280	BO	 
7106410	1 emps and	raicen	using Data	logger comp	uter.					 
	- 5									
					J					 
6.[19] Performed by:	1									 
Garn Maus	inh Mell	1 2262	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		/	/	/	I:		
Operator (print)	Signature	7.11 7.11	Initials Date	Operator (print)	Signature	Z#	Initials	Date		
J. Mmy Rond	6/1-1/2	213425	31-TR 10-13-14		/	/	/	7.		
Operator (print)	Signature	Z#	Initials Date	Operator (print)	Signature	Z#	Initials	Date		
		/	. /		_1		/	/		
Operator (print)	Signature	Z#	Initials Date	Operator (print)	Signature 4	Z#	Initials	Date		
O===4= (=: a)		/	/	O	1 N		/	//		
Operator (print)	Signature	Z#	Initials Date	Operator (print)	Signature	Z#	Initials	Date		
Operator (print)	Signature	7#	Initials Date	Operator (print)	Signature	Z#	/ Initials	Data		
φ	/	, , ,	initials Date	openior (print)	/	1	Illitais	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		
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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 10-13	to 10.	13.14	Location:	375	-								
	Start Time: 6.[6]	Start Time: 0 73 2	Start Time: 6.[6]	Start Time: 0930	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]
Calibrated Infrared	Brand;	Brand:	Brand:	Brand:	Brand:	Brand:	Brand:	Brand:	Brand:	Brand:	Brand:	Brand:	Brand;	Brand:
Thermometer	Model:	Model:	Model:	Model:	Model.	Model:	Model.	Model: A	Model A	Model:	Model:	Model	Model:	Model:
(6.[7])	Call Due Date:	Cal Due Date:	Cal. Due Date:	Cal. Due Cate:	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:	Ca. Due Defe
	File Number	File Number	File Number	File Number	File Number	File Number	File Number	File Number	File Number	File Number	File Number	File Number	Number	Cat. Due Date: File Number
Ambient Temperature (6.[9])	51.08 or	51.96°F	51-23°F	52.40°F	54.61 of	57,12F	59:MF	6178	62, 61 or	63.07	62.93	61.87°F		oF.
Container ID # (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6,[10]/6,[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10\forall 6.[11])
68685 T,	52.06	53.01	51.79	52.63	54.55	52,02	59.41	601.21	62.88	62.53	62,41	61.46	(3,10,3,17)	(0.[10] 0.[11])
68685 Tz	51.43	52.49	51.37	32-28	54.20	56.56	28.72	60.38	6).23	61.64	61.52	60.62		
5052274			53.00	53.57	54.94	56,78	58.69	60.00	60.93	61.39	61.40	60,81		-
5052275	53-18	53.82	52.97	53.61	55.08	56,93	58.81		60.49	61,34		60.71		
\	\		\											
					_	_								
\	\	1/1	- 1/4	ALU	1.10	1 / 11			4		100			
NA	1	NA	1/L	NI	NA	NA	4/0	A/U	N/H	UA	A/U	NI		
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6.[6] Date: From 10.13.14 to 10.13.14 375 Location:

Container ID # (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11]								
NA	NA	NA	D/A	NA	NA	NA	NA	NA	NA	WA	NA	NA	NA	PA
5.[14]) ind Time 5.[15])	51.03 °F  8632  Operator: Operator:	Operator	OB32	Operator:	1031	1128	59.86F	1326	1430 Operator:	1526	1627 w	61.85F 1728 Operator:		Operator:

Revision:

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			Page 3	of 3				
6.[6] Date: From /	0.13.14 to 10.13	Location: 37.	5					
6.[2] Comments: A	or entry	formacon for Standing of	des area G-Sc	,.,280 R.O Ho	UN Temps a	re to	Ken song Data 1	ugger Cempter
				y t				
				1				
6.[10] Rerformed by:	<b>\</b>							
Jos wald		by 116578 St 101314	Operator (print)	/	/	1		
Jesse Chaus		Initials   Date		Signature /	Z#I /	Initials 1	Date	
Operator (print)	Sprature	Z# Initials Date	Operator (print)	Signature /	Z#	Initials [	Date	
Operator (print)	Signature,	201458 Initials Date 13-14	Operator (print)	Signature	Z#	Initials E	Date	
Operator (print)	Signature	Z# Initials Date	Operator (print)	Signature	ZII	Initials E	Date	
Operator (print)	Signature	Z# Initials Date	Operator (print)	Signature	X	Initials D	Date	
Operator (print)	Signature	Initials Date	Operator (print)	Signature	Z#	Initials D	Date	
Operator (print)	Signature	Z# Initials Date	Operator (print)	Signature	Z# /	Initials D	Date	
8 1f31. Paviausal from	0 - 0							
8.1[2], Reviewed by:	ctas 1./w/l/M	And 12 And 1 mm 12 11 1	(1					

SOM or designee (print) Signature 77 9908 WW 10-19-19

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

6.[6] Date: From 10-13-14 to 10-14-14 Location: 375

UET

	Start Time:	E4 Ti	G 27'	0				1						
	6.[6]	6.[6]	6.[6]	6 [6]	6,[6]	6.[6]	Start Time: 6.[6]	Start Time: 6.[6] 0/28	Start Time: 6.[6] 02.2.9	Start Time: 6.[6]	Start Time: 6,[6]	Start Time: 6.[6]	Start Time: 6.[6]	Start Time: 6.[6]
0.17	1833	1932		2130	2229	2331	0029	0128	0229	0328	0428	0529		5,[0]
Calibrated Infrared	Brand:	Brand	Brand:	Brand:	Brand:	Brand:	Brand:	Brand:						
Thermometer (6.[7])	Model:	Model:	Model:	Model:	Model:	Model:								
(0.[7])	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								
Ambient Temperature (6.[9])	59.71°F	57.52°F	55.95°F	54.69°F	53.42°F	52,50°F	52.02°F	52.0 °F	31.58°F	52.23 °F	52,89 °F	<i>31.13</i> °F	CE	°F
Container ID # (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[1])	Temp (°F) (6.[10]/6.[11])								
68685 +1	59.28	57.10	55.61	54.50	53.34	52.53	57.15	52,21	51.93	52,77	53,42	51,92	\	(0, 10,0, 11)
68685 T2	58.66	56.57	55.11	54.15	53.04	52.30	51,94	51.97	51.64	52.46	53.25	51,32		
50572 14	59.23	57.46	56.28	55.38	54.51	-3.83	53.43	53.29	53.26	53.75	5-4,00	53.12		
32522-15	59.08	57.26	56.11	55.76	54.35	53.74	53.33	53.29	53.14	53.75	54.03	52,99		
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INITIAL APPLICATION DATE 10-13-14

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Revision:

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6.[6] Date: From 10-13-14 to 16-14-14 Location: 375

Container ID # (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11]												
									1					
						110								
													E	5
										<u> </u>				
Ambient	6010-	42	12-0			100								
Temperature (6.[14])	<i>59,68</i> °F		55.92°F		53.42°F	53.73 °F	52.00°F	52.04 °F	51,55°F	<i>52.2</i> °F	52.89°F	51.07°F	°F	—— °F
End Time (6.[15])	1834	1933		2131	2230	2332	0030	0128	0230	0329	0429	0530		
6.[15]	Operator:	Operator: Operator:	Operator:	Operator:	Operator:	Operator:	Operator:	Operator:	Operator:	Operator:	Operator:	Operator:	Operator:	Operator:
	Operator:	Operator:	Operator:	Operators	Operator:	Operator:	Operator:	Operator	Operator:	Operator:	Operator:	Operator:	Operator:	Operator:

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				ATTACHM Page 3 o						
6.[6] Date: From <u>/</u> (	2-13-14 to 10-14-	Location: _	375							
6.[2] Comments: N	U ENTRY INTO	PERMSCON	PER STAI	NOING ORDER	AREA G:50 - 1280	OR,OH	OURLY T	BMPS TA	RENUSING	DATA LOGGE COMPUTAZ
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									<u> </u>	
			<u> </u>				_			
			_							
6.[19] Performed by:	- D 22 1	1 1 -								
Operator (print)	5 Okn Muli Signature	7 \$262357855 Z# Initials		Operator (print)	/ Signature	/ 	/ Initials	Date Date		
J. MMy Rome		= 2342531-TR		_ "	/	/	/	/		
Operator (print)	Signature	Z# Initials		Operator (print)	Signature	Z#	Initials	Date		
			/			/				
Operator (print)	Signature	Z# Initials	Date	Operator (print)	Signature	Z#	Initials	Date		
On and an (a vint)	N	/ /	/	Operator (print)	Signature	/	1-242-1-	D-t-		
Operator (print)	Signature	Z# Initials	Date	Operator (print)	Signature /	Z#	Initials	Date		
Operator (print)	Signature	Z# Initials	Data	Operator (print)	Signature	Z#	/ Initials	Date		
operator (print)	/	Intials	Date /	-1 (	/	/		Date		
Operator (print)	Signature	Z# Initials	Date	Operator (print)	Signature	/ 	Initials	Date		
	/	/ /			/	/	/			
Operator (print)	Signature	Z# Initials	Date	Operator (print)	Signature	Z#	Initials	Date		

/21 908 WM/ 10.14.14 Z# Initials Date