### ESHID-600040

From: Haagenstad, Mark P

Sent: Monday, November 24, 2014 4:05 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 (CONTR); Wallace, Terry C; Torres, Enrique; Woitte, Deborah Kay; Clemmons, Steve; Allen, Don; Roberts, Kathryn 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; Diaz, Tammy; Juarez, Catherine L; Haagenstad, Mark P Subject: Daily Technical Submission - November 24, 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.

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

## November 24, 2014

### LANL Technical Update:

- Location of Nitrate Salt-Bearing Wastes
  - Remediated nitrate salt-bearing waste containers.
    - All containers remain in the 375 Permacon.
  - Unremediated nitrate salt-bearing waste containers.
    - All containers remain in the 231 Permacon.
- Monitoring Daily Temperature
  - Temperatures remain below 90°F.
    - Previous 3 days' daily 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.
    - November 22-24, 2014 HSG data attached.
      - o H<sub>2</sub>, CO, CO<sub>2</sub> and N<sub>2</sub>O
- o Other containers
  - A minimum of once per month HSG sampling will be conducted.
    - To date in November, LANL has conducted HSG sampling on 55 SWBs.

### Additional measures currently underway

- As a conservative measure, LANL is currently conducting additional monitoring. This additional monitoring includes:
  - Containers (SWB) 68685 and SB50522.
    - LANL continuing solid phase micro-extraction.
    - Hourly temperature measurements are currently being performed on SWB 68685 and SB50522.
  - Five (5) other SWB overpacks (containing 55-gallon drums of remediated nitrate salt-bearing waste).
    - Continue twice-weekly HSG sample collection.
    - November 24, 2014 HSG date attached.

Anticipated Changes to Nitrate Salt-Bearing Waste Containers (e.g. movement, repackaging).

- Currently, no further movements or re-packaging are planned.
- Other:

Next Call: Tuesday, November 25, 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.,	NMED		Complete
	24 hour notices).			June 5, 2014
2.	Keep NMED informed on the status of on- going chemistry / analytical work.	LANL		Complete
2		T A NT		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	LANL		Complete June 5, 2014
6	her on future daily submissions.	LANL		
6.	Provide LANL procedures and example records associated with post-1991 TA-55	LANL		Complete
7	cementation process discussed on June 6.	T ANT		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

	<b>Requested Information</b>	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.	Respond to NMED email request for information associated with the nitrate salt- bearing parent and daughter waste containers.	LANL		Complete July 9, 2014 (Letter sent addressing items 1-4 and 6-9 of the email request)
	WIPP Recovery Daily Meeting Action List item #84 – NMED requested a copy of the			July 17, 2014 (Letter sent with updated spreadsheet)
	LANL remediation records for waste stored in Panel 6 (Trais Kliphuis) – is a subset of the information in item 5 of this action.			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 (Fourth submittal in response to item 5)
				August 27, 2014 (Fifth submittal in response to item 5)
				September 4, 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)
				October 1, 2014 (Eleventh submittal in response to item 5)
				October 8, 2014 (Twelfth submittal in response to item 5)
				October 16, 2014 (Thirteenth submittal in response to item 5)
				October 23, 2014 (Fourteenth submittal in response to item 5)
				October 27, 2014
				(Fifteenth submittal in response to item 5)
				October 28, 2014 (Sixteenth submittal in response to item 5)
				November 3, 2014 (Seventeenth submittal in response to item 5)

	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 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		
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)
38.	NMED requested documentation regarding CIN01.001 waste containers that are not part of the September 19, 2014 Nitrate Salts- Bearing Waste Container Isolation Plan, Revision 2.	LANL	In Progress LANL will submit this documentation in batches as it is becomes available.	Submitted 100 out of 586 RTRs and documentation on October 3, 2014. Submitted documentation for 101-200 containers on October 10, 2014. Submitted documentation for 201-300 containers on October 16, 2014. Submitted documentation for 301-400 containers on October 23, 2014. Submitted documentation for 401-500 containers on October 27, 2014. Submitted documentation for 501-586 containers on November 12, 2014. Submitted RTR Videos 101-150 on November 12, 2014. Submitted RTR Videos 151-200 on November 20, 2014.
39.	NMED requested a diagram of the location of the thermocouples on 68685 and SB50522.	LANL		Complete October 27, 2014

	Requested Information	Actionee	Status	Completion Date
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
43.	Schedule a fifth update on LANL efforts – including teams.	LANL/N MED	In progress: Site visit scheduled for November 17, 2014 - postponed; Follow-up meeting scheduled for November 20, 2014 in Santa Fe.	

		68	685			69!	553			69	615	
Date	H <sub>2</sub> ppm	CO ppm	CO <sub>2</sub> ppm	N₂O ppm	H <sub>2</sub> ppm	CO ppm	CO₂ ppm	N₂O ppm	H <sub>2</sub> ppm	CO ppm	CO <sub>2</sub> ppm	N <sub>2</sub> O ppm
11/22/14	141	540	15112	4274								
11/23/14	131	610	14298	4189								
11/24/14	138	562	15133	4365	185	602	18614	2806	108	294	7038	373

69616			SB50069			SB50452						
Date	H <sub>2</sub> ppm	CO ppm	CO <sub>2</sub> ppm	N₂O ppm	H <sub>2</sub> ppm	CO ppm	CO₂ ppm	N₂O ppm	H <sub>2</sub> ppm	CO ppm	CO <sub>2</sub> ppm	N <sub>2</sub> O ppm
11/22/14												
11/23/14												
11/24/14	345	1020	27069	5789	498	939	23719	3425	690	923	21923	4186

### Remediated Nitrate Salt Container Headspace Gas Analysis

		SB50522					
Date	H <sub>2</sub> ppm	CO ppm	CO <sub>2</sub> ppm	N <sub>2</sub> O ppm			
11/22/14	2957	409	44308	937			
11/23/14	2359	410	40768	948			
11/24/14	2251	369	35824	775			



### **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 <u>11-17-14</u> to <u>11-23-14</u>

				1			
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	6.[6]	6.[6]	6.[6]	6.[6]	6.[6]	6.[6]	6.[6]
	Start Time: 0802	Start Time: <u>0910</u>	Start Time: <u>1263</u>	Start Time: 0920	Start Time: 0909	Start Time: <u>0833</u>	Start Time:
TA-54-231							
Calibrated Infrared	Brand: Fluke	Brand: FILL	Brand: Fluil	Brand: FIUK-C	Brand: Fluke	Brand: Fluke	Brand:
Thermometer	Model: 56	Model: 56	Model: 561 Cal. Due Date: 1215	Model: <u>56</u>	Model: <u>56</u> ]	Model: 561	Model:
(4.2.1[1][B])	Cal. Due Date: 7/29/15	Cal. Due Date: 7/29/15	Cal. Due Date: 7/2/15	Cal. Due Date: 7/1/15	Cal. Due Date: 7-29.15	Cal. Due Date7/29/15	Brand: Model: Cal. Due Date:
	File Number 101914	File Number 101974	File Number 18914	File Number 181914	File Number <u>101974</u>	File Number 101974	File Number
Ambient Temperature (6.[7])	30.3 °F	<u>29.0</u> °F	<u>41.0</u> °F	<u>34.7</u> °F	43,2 °F	34.0 °F	۰F
Container ID #	Temp (°F)	Temp (°F)	Temp (°F)	Temp (°F)	Temp (°F)	Temp (°F)	Temp (°F)
Container ID #	(6.[8]/6.[9])	(6.[8]/6.[9])	(6.[8]/6.[9])	(6.[8]/6.[9])	(6.[8]/6.[9])	(6.[8]/6.[9])	(6.[8]/6.[9])
S818435	31.7	30.6	42.6	36.3	36.8	34.9	
S802833	31.3	29.5	40.4	331	36.1	33.6	
S801676	31.0	29.8	39.8	34.7	35.7	33.2	
S816810	28.1	27.7	39.5	34.0	34.1	31.9	
70069	28.2	27.6	39.0	33.3	34.0	31.3	
S822844	28.7	28.1	39.6	33.9	34.2	31.5	
S825879	27.9	28.0	39.7	34.2	34.7	31.7	
S793724	28.2	28.0	40.0	34.2	34.3	32.3	
S813545	28.9	28.1	39.1	36.2	36.5	31.9	
S822713	30.5	29.9	41.2	35.8	36.1	33.5	
S802739	30.3	29.8	40.9	35.8	36.3	33.8	
69907	30.6	29.9	40.7	363	36.5	34.0	
S804995-	31.5	30.3	41.2	3(0.5	36.6	34.1	
S816434	32.4	32.2	43.1	378	37.5	35.4	

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# ATTACHMENT 2 Page 2 of 3

6.[6] Date: From <u>//-17-14</u> to <u>//-23-14</u>

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
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])
TA-54-231 (continued	<u>])</u>						
S805289	33.4	31.4	42.0	37.6	37.4	35.7	
S862888	32.2	30.7	40.7	36.7	37.6	35.0	
70072	31.7	30.4	41.1	36.2	36.4	34.2	
S823184	31.0	30.6	0111191042-242.1	36.8	36.5	33.9	
S822599	30.4	30.2	41.9	36.3	35.9	33.5	
69904	29.8	29.1	39.9	35.1	34.5	32.3	
S805051	28.9	28.5	40.1	34.8	34.3	32.0	
S864213	29.1	28.7	39.9	35.7,	34.2	32.1	
S853714	28.4	28.8	40.5	35.5	34.5	31.8	
S803078	28.5	28.3	41.3	36.0	34.3	32.2	
S825878	29.5	29.8	40.5	35.8	34.7	32.5	
S823124	29.9	29.7	41.4	36.0	34.8	32.5	
S804948	31.7	30.7	42.0	.37.2	36.4	34.2	
S813385	32.2	31.7	42.7	37.6	37.2	34.3	
S842446	34.1	33.0	43.3	38.8	38.3	36.2	
Ambient Temperature (6.[12])	<u>30.9</u> °F	<u>30.5</u> °F	<u>42.4</u> °F	<u>37./</u> °F	<u>38,8</u> °F	<u>34.4</u> °F	oF
End Time (6.[13])	0809	0917	1209	0426	0915	0839	
6.[13]	Operator: <u>TR</u> Operator: <u>E</u>	Operator: Operator:	Operator: Operator:	Operator:	Operator: <u>5c</u> Operator: <u>Lm</u>	Operator: $\underline{JR}$ Operator: $\underline{Sc}$	Operator: Operator:

Q	Nitrate Salt-Bearing TRU Waste Container Monitoring	Document No.: Revision:	EWMO-AREAG-FO
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6.[6] Date: From <u>11-17-14</u> to <u>11-23-14</u>

6.[2] Comments: \_\_\_\_\_\_

	6.[17] Performed by:	0	
	Jackie Romero	Gachie Romen	11870641 JR 111/17/14
	Operator (print)	Signature	Z# Initials Date
	Eloy D. Colduns	1280 4-	11141881 86 111.17.14
	Operator (print)	Signature	Z# Initials Date
	Josephine Dura	ntan	1151911 0 11/18/14
	Operator (print)	Signature	Z# Initials Date
	THOMOS KIGT	NAT	123(382/ t/ / N/18/14
	Operator (print)	Signature	Z# Initials Date
	Josephine Broan	NAC)	1151911 10 11/19/14
-	Operator (print)	Signature)	Z# Initials Date
	Homas Vien		123652 / t/ / 11 MIY
	Operator (print)	Signature	Z# Initials Date
	Altredo Aquilar	1 Allato lantal	1293128 1 1 1 1 189/14
	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
Jackie Romer	2 1 Jackie Komer	1/8700	61 TR 11/22/14
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Eloy D. Lorda . A	1582	11/4/8	81EC 111-22.14
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:

SOM or designee (print) Signature Z# Initials Date

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ORKING COPY - 187066 ITIAL74	TA-54	TE 11-17-14 AREA G TA-54-375 (	TELL 1 NITDATE	ATTACHM Page 1 o	f 3	VAIL V TEMDED A	THE DATA SHI	יחיים ק
6.[6] Date: F		1	3/14					
		Monday 6.[6] Start Time:5	Tuesday 6.[6] Start Time: _1037	Wednesday 6.[6] Start Time: 1453	Thursday 6.[6] Start Time:	Friday 6.[6] Start Time:	Saturday 6.[6] Start Time: <b>0749</b>	Sunday 6.[6] Start Time
TA-54-375 Cell 1							000	10.00
Calibrated Infrared Thermometer (4.2.1[1][B])	3	Brand: $Fluke$ Model: $561$ Cal. Due Date: $Chulls$ File Number $101915$	Brand: Fluke Model: 56) Cal. Due Date: CIRUS File Number	Brand: Pluke Model: 56 Cal. Due Date: 61215 File Number	Brand: FUK Model: SG Cal. Due Date: G12 File Number JUS9)5		Brand: <u>- <b>140</b></u> Model: <u>561</u> Cal. Due Date: <u>612</u> 5 File Number <u>101915</u>	Brand: Model: Cal. Due Date: File Number
Ambient Temperat (6.[7])	ture	<u>52.3</u> °F	<b></b> \$0.9°F	50.4 °F	<b>52.9</b> °F	<u>49.0 °F</u>	48.1 °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		53.0	Sil.c	52.9	54.4	52.1	50.4	
68540		53.3	51.3	52.7	54.6	51.4	49.8	
LA00000070503	68553	52.0	51.2	52.6	54:7	51.6	49.5	
	69445	52.9	51.9	52.3	54-8	51.4	49.6	
69618		52.4	50.8	52.0	54.0	50.1	48.2	
69013		53.6	51.6	53.3	54.5	53.2	51.4	
LASB50522	2	53.8	53.6	53.8	55.7	52.8	51.5	
LASB50452	2	54.0	52.8	53.3	55.8	53.0	51.4	
LASB5043		53.6	52.7	33.8	53.6	53.8	52.6	
LASB50069		54.0	52.1	53.0	54.6	52.8	51.8	
LASB50073	3	55.1	<u>53</u> .0	53.4	55.5	53.3	51.9	
69636		54.4	53.)	53.8	53.4	54.2	52.6	
69616		54.6	52.8	53.7	55.7	54.0	52.3	
69417		53.8	53.9	54.0	55.6	54.0	52.0	

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	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Container ID #	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])				
TA-54-375 Cell 1 (cor	atinued)						
69620	54.0	53.8	54.3	55.3	53.1	52.1	
69520	53.7	52.5	54.5	55.9	53.3	51.8	
69641	54.5	53.1	5.42	36.)	53.7	52.3	
69298	54.5	53.3	S4.3	55.8	54.2	52.8	
LASB02203	54.8	54.3	54.0	55.6	54.0	52.6	
Ambient Temperature 6.[12])	<u>57.9</u> °F	<u>\$1.3</u> ∘F	<u>50.5</u> °F	53.2 °F	49.7 °F	48.1 °F	°F
End Time (6.[13])	1143	104%	1458	_1155	0808	07.52	
6.[13]	Operator: Operator:	Operator:	Operator:	Operator:	Operator: LS Operator: NS	Operator: 023 Operator: NS	Operator: Operator:

6.[2] Comments:

UET	Nitrate Salt-Bearing TI	RU Waste Container Monitorin	ng	Document No.: Revision: Effective Date: Page:	EWMO-AREA 5 11/03/14 30 of 38	AG-FO1246
		ATTACHM Page 3 of				
6.[6] Date: From _ 6.[17] Performed by Operator (print) Operator (print) Operator (print) Operator (print) Operator (print) Operator (print) Operator (print) Operator (print)	Signature Signature Signature Signature Signature Signature Jours Signature Jours Signature	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Operator (print) <u>Arry Brito</u> Operator (print) <u>Norman Sanch</u> Operator (print) <u>Arry Brito</u> Operator (print) <u>Norman Sanch</u> Operator (print) Operator (print) Operator (print)	Signature Signature	2# 2 /1[[ Sane 1 4 2# 6 /1[6 7 2#	$\frac{6465}{1} + \frac{11}{1} + \frac{11}{1$

8.1[2] Reviewed by:

SOM or designee (print) Signature Z#

Initials Date

$\bigcirc$	Nitrate Salt-Bearing TRU Waste Container Monitoring	Revision:	EWMO-AREAG-FO- )-1246
		Effective Date:	11/03/14
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DATE 11-17-14

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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 <u>//-/7-/4</u> to <u>//-23-/4</u>

6.[6] Date: From	<u>11-17-14</u> to <u>11-</u>	-23-14				21-14	
	Monday 6.[6]	Tuesday 6.[6]	Wednesday 6.[6]	Thursday 6.[6]	Friday <b>35</b> 6.[6] <b>6</b> [0	Saturday 6.[6]	Sunday 6.[6]
	Start Time: <u>1144</u>	Start Time: 1047	Start Time: 1459	Start Time: 1156	Start Time:	Start Time: 0753	Start Time:
TA-54-375 Cell 2							
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand: $\underline{11_{11}}$ Model: $\underline{56}$ Cal. Due Date: $\underline{6}$ $\underline{12}$ $\underline{13}$ File Number $\underline{5912}$	Brand: Fluke Model: So Cal. Due Date: Clubs File Number 10 912	Brand: Fluke Model: Sco Cal. Due Date: Gli2		Brand: Fluke Model: S61 Cal. Due Date: 6 RIS File Number 101912	Brand: <b>Fluct</b> Model: <b>56</b> Cal. Due Date: <b>6</b> /12/15 File Number 10/9/2	Brand: Model: Cal. Due Date: File Number
Ambient Temperature (6.[7])	<u>51.7</u> °F	<u>54.6</u> °F	<u>55.1</u> °F	<u>57.7</u> °F	11-21-14 50.988 11-21-14 50.988	57.3 °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)	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])
LASB02198	49.5	51.0	56.0	57.5	36.52.7 50.5	51.5	
68638	51.0	53.0	56 8	58.3	165tg 51.8	52.4	
69615	51.6	\$3.7	56.3	58.4	2051-6 527	52.9	
69635	52.2		57.1	58.7	10 51.9 53.2	54.4	
69642	54.4	54.0 54.8	55,7	58.0	3350-T 525	52.6	
69630	52.2	55.2	53.9	57.6	15 52.2 52.1	52.4	
69633	50.8	54.0	56.7	58.2	527 527	52.9	
68430	50.8	52.7	55.9	57.7	500 525	52.1	
68631	50.3	51.6	55.7	57.5	15.55.8 51.4	51.2	
69634	49.3	52.8	55,3	57.4	13 52-1 50.6	50.7	
68567	49.3	51.0	56.0	57.0	1 57.3 51.0	57.4	
94227	50.2	52.3	56.)	566	15 4.2 51.7	51.7	
LASB50442	49.0	57.4	56.0	56.9	1554.0 528	53.5	
69644	49.7	55.5	56.3	57.0	25-5- 52.7	53.0	
LASB50443	51.6		56.0	57.6	52-1	52.3	
69638	50.2	53.2	57.)	28.9	52.0	52.1	



ATTACHMENT 4 Page 2 of 3

6.[6] Date: From //-17-14 to //-23-14

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Container ID #	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])				
TA-54-375 Cell 2 (cor	ntinued)						
68624	50.5	54.6	51.3	58.2	527	57.2	
68507	48.6	53.4	56.2	58.5	52.9	53.6	
69568	48.8	54.2	56.6	56.8	51-9	51.4	
69553	49.0	50.9	54.6	55.8	50.8	50.6	
69598	48.7	50.9	55.0	58.9	51.5	51.1	
LASB50559	48.8	52.7	55.7	58.9	52.5	52.5	
69015	49.4	54.4	57.0	58.9	53.2	52.9	
69639	50.9	55.1	57.5	57.6	53.2	53.2	
69637	<u> </u>	53.6	58.6	55.8	52.7	52.6	
Ambient Temperature 6.[12])	<u>57.5</u> °F	<u>53.5</u> °F	<u>54.7</u> °F	<b>56.3</b> F	<u>57.0</u> °F	<u>49.8</u> °F	eF
End Time (6.[13])	1151	1053	1564	1202	0814	_0805	
6.[13]	Operator:	Operator: Operator:	Operator:	Operator:	Operator: <u>2</u> B Operator: <u>NS</u>	Operator:	Operator: Operator:

6.[2] Comments:

<u>Uet</u>	Nitrate Salt-Bearing TRU Waste Container Monnori	ng	Document No.: Revision: Effective Date: Page:	EWMO-AREAG-FO- 2-1246 5 11/03/14 33 of 38	
	ATTACHM Page 3 o				-
6.[6] Date: From //-	-17-14 to 11-23-14				
6.[17] Performed by: perator (print)		Operator (print) Larry Brito	Signature	- Z# Initials Date ////////////////////////////////////	

Date

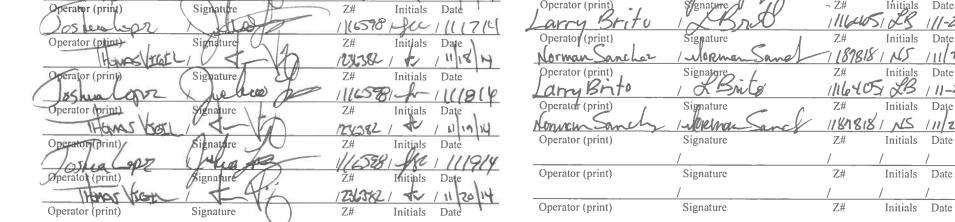
Date

11/27

Date

11/21/14

11-22-14



8.1[2] Reviewed by:

SOM or designee (print) Signature

Z#

Initials Date

	Nitrate Salt	t-Bearing TRU Was	te Container Monn	oring	Document N Revision:	5	AG-FO- )-1246
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Z# 187066				IMENT 5			
	PATE 11-17-14		Page	1 of 2			
INITIAL JR TA-	54 AREA G TA-54-	375 CELL 3 NITRA	TE SALT TRU W.	ASTE CONTAINEI	R DAILY TEMPER	RATURE DATA SH	IEIET
6.[6] Date: From	<u>11-17-14</u> to <u>11-</u>	23-14					
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	6.[6]	6.[6] Start Time: 1036	6.[6] Start Time: 1448	6.[6]	6.[6]	6.[6]	6.[6]
	Start Time: 1128	Start Time: 1000	Start Time: 1448	Start Time: <u>#45</u>	Start Time: 0758	Start Time: 0743	Start Time:
TA-54-375 Cell 3					a d Ki	- ak	
Calibrated Infrared Thermometer	Brand: <u>Fluke</u> Model: <u>561</u>	Brand: Fluike. Model: 56)	Brand: Fluke Model: 56)	Brand: Fluke Model: SG	Brand: Fuce Model: 561	Brand: Sulle Model: Sel	Brand:
(4.2.1[1][B])	Cal. Due Date: 61215	Cal. Due Date: GIZIS	Cal. Due Date: 61215	Cal. Due Date: 61215		Cal. Due Date: 6/2/5	Cal. Due Date:
	File Number 101916	File Number 10916	File Number 101916	File Number 101916	File Number 101916	File Number 101916	File Number
Ambient Temperature (6.[7])	42.6 °F	5.9 °F	<u>53. 8</u> • F	<u>527</u> °F	<u>51.4</u> °F	<u>50.7</u> °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	44.4	51,9	55.5	57.0	53.6	52.6	
69645	44.4	571	55.5	57.1	53.6	52.7	
94068	. 44.7	520	56.0	56.7	53.2	52.3	
93605	44.7	51,)	53.1	56.2	52,5	57.2	
69548	44.5	51.1	54.8	56.2	52.2	57.5	
69604	44.5	51.3	54.4	56.0	53.4 53.5	52.2	
LASB50529	44.7	51.7	55.5	56.7	53.5	52.9	
LASB50418	-12.5	52.3	55.]	566	53.3	52.4	
69036	42.7	52.3	54.9	56.4	52.1	52.0	
LASB50451	42.8	56,6	54.2	56.2	51.9	51.8	
69559	44.6	50.9	54.5	35.7	52.6	51.6	
LASB50448	44.8	50.8	54.0	55.3	51.7	51.0	
Ambient Temperature (6.[12])	<u>42.8</u> °F	50.2 °F	<u>53.3</u> °F	_ <b></b> °F	52.0_°F	<u>51.2</u> °F	oĿ
End Time (6.[13])		1040	1452	1149	0862	0747	
6.[13]	Operator:	Operator:	Operator:	Operator:	Operator: <u>LB</u>	Operator:	Operator:
	Operator:	Operator:	Operator:	Operator:	Operator: NS	Operator: 145	Operator:

	Nitrate Salt-Bearing TRU Waste Container Monitoring	Revision:	EWMO-AREAG-FO- )-1246 5 11/03/14
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6.[6] Date: From <u>//-17-14</u> to <u>//-23-14</u>

6.[2] Comments:

Hows Lot       ////////////////////////////////////
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8.1[2] Reviewed by:





Nitrate Salt-Bearing TRU Waste Container Monitoring

### ATTACHMENT 2 Page 1 of 3

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

6.[6] Date: From <u>11.23.14</u> to <u>11.23.14</u>

	Monday 6.[6]	Tuesday 6.[6]	Wednesday 6.[6]	Thursday 6.[6]	Friday 6.[6]	Saturday 6.[6]	Sunday
	Start Time	Start Time:	Start Time:	Start Time:	Start Time:	_ Start Time:	6.[6] Start Time: <b>0900</b>
TA-54-231				and a state of the second			
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand: Model: Cal. Due Date: File Number	Model:	Model: <u>56</u> Cal. Due Date <b>7/29</b>				
Ambient Temperature (6.[7])	oF	NA	oĿ	°F	eF	oF	41.8 °F
Container ID #	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])				
S818435						to be all to de	42.7
S802833							41.4
S801676							40.6
S816810							39.5
70069							38.9
S822844							39.1
S825879			·····				39.4
S793724							39.8
S813545							39.5
S822713							41.3
S802739						×	41.1
69907				2			41.0
S804995				· · · · · · · · · · · · · · · · · · ·			41.8
S816434							43.8

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### ATTACHMENT 2 Page 2 of 3

6.[6] Date: From 11.23.14 to 11.23.14

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Container ID #	Temp (°F) (6.[8]/6.[9])						
TA-54-281 (continued	1)						
S805289							42.7
S862888							41.5
70072							42.4
S823184							41.5
S822599							40.7
69904							39.8
S805051							39.4
S864213							39.4
S853714							39.6
S803078							39.8
S825878			Na				39.9
S823124							39.9
S804948							42.9
S813385							41.8
S842446							42.6
Ambient Temperature (6.[12])	or	oF	ol:	o£	°F	٦°٣	<b>41.9</b> °F
End Time (6.[13])							0908
6.[13]	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: <u>JR</u> Operator: <u>5</u>

		Document No.:	EWMO-AREAG-FO
	Nitrate Salt-Bearing TRU Waste Container Monitoring	Revision:	5
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6.[6] Date: From <u>11.23.14</u> to <u>11.23.14</u>

6.[2] Comments: Sticked New Attachant on 11-23-14 Due to Ipe-1 for Ewmo-AREAG-FO-Dop-1246 R. 5 E.C.

6.[17] Performed by:

o.[17] Performed by:								
Jackie Romero	Jackin Romero	118706	61 JR 111-23-14	<u> </u>	/	/	_ /	/
Operator (print)	Signature	Z#	Initials Date	Operator (print)	Signature	Z#	Initials	Date
Elor. J. Coldon A	12/24	111418	818C 111.23.14			_/	/	/
Operator (print)	Signature	Z#	Initials Date	Operator (print)	Signature	Z#	Initials	Date
	/	/	/ /			/	/	/
Operator (print)	Signature	Z#	Initials Date	Operator (print)	Signature	Z#	Initials	Date
		/	/ /		1 NM	/	1	/
Operator (print)	Signature	Z#	Initials Date	Operator (print)	Signature	Z#	Initials	Date
	1 NA	/	/ /	·····	/		/	/
Operator (print)	Signature	Z#	Initials Date	Operator (print)	Signature	Z#	Initials	Date
	/		+ 1		/	_/		/
Operator (print)	Signature	Z#	Initials Date	Operator (print)	Signature	Z#	Initials	Date
	/	/		1-11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	_ /	/	_/ _/	$\sim$
Operator (print)	Signature	Z#	Initials Date	Operator (print)	Signature	Z#	Initials	Date

### 8.1[2] Reviewed by:

SOM or designee (print) Signature Z# Initials Date



IPC-1

Document No .:	EWMO-AREAG-FO-	1246
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Effective Date:	11/03/14	
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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 <u>11.23.14</u> to <u>11.23.14</u>

		Monday 6.[6] Start Time:	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								
Calibrated Infrared Thermometer (4.2.1[1][B])		Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal, Due Date: File Number	Brand: Model: Cal, Due Date: File Number	Brand: <u>Fluke</u> Model: <u>SG</u> Cal. Due Date: <u>G</u> [2]/15 File Number <u>J0[9]5</u>			
Ambient Temperatu (6.[7])	ire	a£	<u> </u>	Not	°F	oĿ	°17	<u>51.4</u> °F
Container ID #	¥	Temp (°F) (6.[8]/6.[9])						
68685								52.5
	68540							52.8
LA0000070503	68553							52.2
69445								54.3
69618								52.1
69013								54.5
LASB50522								54.5
LASB50452								54.4
LASB50431								53.7
LASB50069	7							53.9
LASB50073								54.4
69636								55.0
69616								54.2
69417								54.3

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### ATTACHMENT 3

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6.[6] Date: From <u>11.23.14</u> to <u>11.23.14</u>

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Container ID #	Temp (°F) (6.[8]/6.[9])						
TA-54-375 Cell 1 (cor	ntinued)						
69620							53.8
69520							54.2
6964 I							54.7
69298			NA				55.0
LASB02203							54.8
Ambient Temperature (6.[12])	°F	oF	°F	-10	°F	°F	51.9 °F
End Time (6.[13])							0755
6.[13]	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: NS Operator: -
6.[2] Comments:	Sterled New A	1-lahrent onll-2	23-17 Due to	IRC-1 fus	Ewmo-AREAG	-FO-DOZ-12-16R	. 5, ε.c.

	Nitrate Salt-Bearing TRU Waste Container Monnaring				Document No.: Revision: Effective Date:	EWMO-AREAG- 5 11/03/14	FO1246
UET					Page:	30 of 38	
			ATTACHM Page 3 o				
5.[6] Date: From <u>11/2</u>	3/14 to 11/23/14						
6.[17] Performed by: Norman Sancher	Moleman Same	(-1187818)	1 NS /11/23/14		//	/	
Operator (print)	Signature	Z#	Initials Date	Operator (print)	Signature	Z# /	Initials Date
Operator (print)	Signature	I <b>/9/576</b> Z#	l <i>Lim      23/14</i> Initials Date	Operator (print)	Signature	Z#	Initials Date
Operator (print)	/ Signature	/ 	/ / Initials Date	Operator (print)	Signature	/Z#	Initials Date
Operator (print)	Signature A	/ Z#	/ / Initials Date	Operator (print)	Signature		/ / / Initials Date
Operator (print)	/ N Signature	/ 	/ / Initials Date	Operator (print)	/ Signature	Z#	Initials Date
Operator (print)	/ Signature	/ Z#	Initials Date	Operator (print)	/ Signature	/ Z#	Initials Date
Operator (print)	/ Signature	/ Z#	/ / Initials Date	Operator (print)	/ Signature	/ Z#	/ / Initials Date

8.1[2] Reviewed by:

 /
 /
 /

 SOM or designee (print)
 Signature
 Z#

 Initials
 Date



### **ATTACHMENT 4**

### Page 1 of 3

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

6.[6] Date: From <u>11-23.14</u> to <u>11.23.14</u>

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	Start Time:	6:[6] Start Time:	6.[6]	6.[6]	6.[6]	6.[6]	6.[6]
The second of the	Start Time.		Start Time:	Start Time:	Start Time:	Start Time:	Start Time: <u>0757</u>
TA-54-375 Cell 2							
Calibrated Infrared Thermometer	Brand:	Brand:	Brand:	Brand:	Brand:	Brand:	Brand Fluke
	Model: Cal. Due Date:	Model:	Model:	Model:	Model:	Model:	Model: 56(
(4.2.1[1][B])	File Number	Cal. Due Date:	Cal. Due Date: Eile Number	Cal. Due Date: File Number	Cal. Due Date: File Number	Cal. Due Date:	Cal. Due Date: 6/12/1
Ambient Temperature (6.[7])	°F	oĿ	NA °F	°F	••F	File Number	File Number <u>101917</u>
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> </u>	55.2
68638							55.4
69615		-					56.0
69635							56.6
69642							55.9
69630							55.8
69633					$\overline{}$		56.2
68430							56.1
68631							55.9
69634							55.1
68567							
94227						<u></u>	55.9
LASB50442						<u> </u>	55.5
69644							55.9
LASB50443							55.2
69638							56.4

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DATE 11.23.14

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### 6.[6] Date: From <u>11.23.14</u> to <u>11.23.14</u>

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Container ID #	Temp (°F) (6.[8]/6.[9])						
TA-54-375 Cell 2 (con	tinued)		Solution of any other				
68624							56.0
68507							56.5
69568							56.1
69553							54.6
69598							56.6
LASB50559			NA				57.3
69015							57.2
69639							56.4
69637							56.4
Ambient Temperature (6.[12])	0F	ol:	°F	°F	٥F	٦°	54.9 °F
End Time (6.[13])							0803
6.[13]	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: <u>NS</u> Operator: <u>C</u>

		Document No .:	EWMO-AREAG-FO- P-1246
$\sim$	Nitrate Salt-Bearing TRU Waste Container Monitoring	Revision:	5
		Effective Date:	11/03/14
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## 6.[6] Date: From <u>//. 23.14</u> to <u>//. 23.14</u>

17] Performed by: Norman Sanch	- Jopennon Sam	L 118718	INT NOS /11/2	23/14		/	/	/	/
Operator (print)	Signature	 Z#	Initials Date	· · · · · ·	Operator (print)	Signature	Z#	Initials	Dat
Lem MMTor	a la contra c	- 119/50	261 Los 111	123/14		1	/	_ /	/
Operator (print)	Signature	Z#	Initials Date		Operator (print)	Signature	Z#	Initials	Dat
	/	/	/ /			/	/	/	/
Operator (print)	Signature	Z#	Initials Date		Operator (print)	Signature	Z#	Initials	Dat
		/	/ /			/ NA	/	_/	/
Operator (print)	Signature	Z#	Initials Date		Operator (print)	Signature	Z#	Initials	Dat
			/ /			/		/	/
Operator (print)	Signature	Z#	Initials Date		Operator (print)	Signature	Z#	Initials	Dat
	/					/	/		/
Operator (print)	Signature	Z#	Initials Date		Operator (print)	Signature	Z#	Initials	Date
	/	/	/ /		785 . 127	/	/	/	/
Operator (print)	Signature	Z#	Initials Date		Operator (print)	Signature	Z#	Initials	Date

### 8.1[2] Reviewed by:

SOM or designee (print) Signature Z# Initials Date



### ATTACHMENT 5

### Page 1 of 2

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

6.[6] Date: From <u>11.23.14</u> to <u>11.23.14</u>

	Monday	Tuesday	Wednesday	Thursday	Friday 6.[6]	Saturday 6.[6]	Sunday 6.[6]
	6.[6] Start Time:	6.[6] Start Time:	6.[6] Start Time:	6.[6] Start Time:	Start Time:	Start Time:	Start Time: <b><u>D74</u>4</b>
TA-54-375 Cell 3					en subractoves assemblish		
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand: Model: Cal. Due Date: File Number	Brand Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number		Brand: <b>Fluice</b> Model: <b>Sel</b> Cal. Due Date: <u>612115</u> File Number <u>101916</u>
Ambient Temperature (6.[7])	°F	°F	N A °F	°F	°F	°F	53.2 °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							52.1
69645							52.2
94068							52.2
93605							54.1
69548							54.1
69604							54.3
LASB50529							55.1
LASB50418							54.8
69036							54.6
LASB50451							54.2
69559							54.2
LASB50448							53.9
Ambient Temperature (6.[12])	oĿ		°F	ol:	or	°F	53.7 °F
End Time (6.[13])							0749
6.[13]	Operator:	Operator:	Operator:	Operator:	Operator:	Operator:	Operator: NS
	Operator:	Operator:	Operator:	Operator:	Operator:	Operator:	Operator: Les

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5.[6] Date: From <u>11-</u> 2	23.19 to 11-23.10	4				
.[2] Comments: 54.	sted new Att	Achat on 11-23-14 Du	e to IPC-1	for Ewmon	AREAG-FO-i	)cp-1246 R.5 8
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Norman Sanches Operator (print) Lum montaya	Signature	Z# Initials Date 191526   111   11/23/14				/
Norman Sanches Operator (print) Operator (print) Operator (print)	Signature / Signature / Signature / Signature	Z#         Initials         Date           V91526         11/23/14           Z#         Initials         Date           /         /         /           Z#         Initials         Date           /         /         /           Z#         Initials         Date           /         /         /	Operator (print)	/ Signature /	/Ż#	/ / Initials Date / /
Norman Sancher Operator (print) Decrator (print) Operator (print) Operator (print)	Signature / Signature / Signature /	Z#         Initials         Date           V91526         11/23/14           Z#         Initials         Date           /         /         /           Z#         Initials         Date           /         /         /           Z#         Initials         Date           /         /         /	Operator (print) Operator (print)	/ Signature / Signature /	/ Z#  Z# /	/ / Initials Date / / Initials Date / /
Norman Sancher Operator (print) Leen materia Operator (print) Operator (print) Operator (print)	Signature / Signature / Signature / Signature / Signature /	Z#     Initials     Date       191526     11/23/14       Z#     Initials       Z#     Initials       Z#     Initials       Z#     Initials       Z#     Initials       Date     /       /     /       S#     Initials       Date     /       /     /       S#     Initials       Date     /	Operator (print) Operator (print) Operator (print) Operator (print)	/ Signature / Signature / Signature /	/ Ż# / Z# / / Z# /	/ / Initials Date / / Initials Date / / Initials Date / / Initials Date / /
Norman Sancher Operator (print) Lean materia Operator (print) Operator (print)	Signature / Signature / Signature / Signature /	Z#     Initials     Date       191526     11/23/14       Z#     Initials     Date       1     1     1       2#     Initials     Date       1     1     1	Operator (print) Operator (print) Operator (print)	/ Signature / Signature / Signature /	/ Ż# / Z# / / / / / /	/ / Initials Date / / Initials Date / / Initials Date / /
Norman Sanche Operator (print) Coperator (print) Operator (print) Operator (print) Operator (print)	Signature / Signature / Signature / Signature / Signature /	Z#     Initials     Date       191526     11/23/14       Z#     Initials       Z#     Initials       Z#     Initials       Z#     Initials       Z#     Initials       Date     /       /     /       S#     Initials       Date     /       /     /       S#     Initials       Date     /	Operator (print) Operator (print) Operator (print) Operator (print)	/ Signature / Signature / Signature /	/ Ż# / Z# / / Z# /	/ / Initials Date / / Initials Date / / Initials Date / / Initials Date / /
Norman Sancher Operator (print) Leen matrix (A Operator (print) Operator (print) Operator (print) Operator (print) Operator (print) Operator (print)	Signature / Signature / Signature / Signature / Signature / Signature /	Z#       Initials       Date         197526       11/23/14         Z#       Initials       Date         /       /       /         X#       Initials       Date         /       /       /         Z#       Initials       Date         /       /       /	Operator (print) Operator (print) Operator (print) Operator (print) Operator (print)	/ Signature / Signature / Signature / Signature /	/ Ż# / Z# / Z# / Z# / Z#	/ / Initials Date / / Initials Date / / Initials Date / / Initials Date / Initials Date /
Operator (print) Operator (print) Operator (print) Operator (print) Operator (print) Operator (print)	Signature / Signature / Signature / Signature / Signature / Signature /	Z#       Initials       Date         197526       11/23/14         Z#       Initials       Date         /       /       /         X#       Initials       Date         /       /       /         Z#       Initials       Date         /       /       /	Operator (print) Operator (print) Operator (print) Operator (print) Operator (print)	/ Signature / Signature / Signature / Signature /	/ Ż# / Z# / Z# / Z# / Z#	/ / Initials Date / / Initials Date / / Initials Date / / Initials Date / Initials Date /

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	Nitrate	Salt-Bearing TRU Waste Container Monitoring	Document No.: Revision: Effective Date: Page:	EWMO-AREAG-FO-DOP-1246 5 11/03/14 36 of 38
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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 <u>11-21-14</u> to <u>11-21-14</u> Location: <u>Dome375 Coll 1</u>

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	Start Time: 6.[6] <b>0630</b>	Start Time: 6.[6]	Start Time:	Start Time:	Start Time: 6 [6]	Start Time: 6 [6]	Start Time: 6.[6] 1231	Start Time: 6.[6] 1330	Start Time: 6[6]	Start Time: 6.[6] <b>\53</b> 0	Start Time 6.[6]	Start Time: 6.[6]	Start Time 6 [6]	Start Time: 6,[6]
Calibrated Infrared Thermometer	Brand: Model:	Brand	Brand Model:	Brand Motiel	Brand Model	Brand Model	Brand: Model	Deand Mode	Brand	Brand: Model	Mode	Rrand Mode	Brand: Model:	Brand Model
(4.2.1[1][B])	Cal. Due Date:	Cal Due Date: File Number	Cal. Due Date File Number	Cal. Due Date File Number	Cal. Due Nate	Cal Du Date File Number	Cal_Due Date File Number	Cal Due Date A	Cal. Due Pate File Number	Cal Due Date	Cal. Due Dite File Number	Cal. Due Date File Number	Cal Due Date	Call Due Date
Ambient Temperature (6.[7]) <b>T 3</b>	49.41 oF	49.53 PF	50,85 m	50.76F	52.05°F	51,53 °F	<u>53.72</u> •F	53.09 m	52.79°F	5228F	52,35°F	<u>51.89</u> .F	°F	-NA.
Container 1D # (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) (6.8/0[9])	Temp (°F) (6.[8]/6.[9])
68685 TI	51.24	51.39	52,55	52.44	53.36	52,17	53.86	53,26	52.92	52.35	52,31	52,46		
68685 TE	50.40		51.93	51.66	52.51	51.37	53.18	52.59	52.22	51.76	52.29	52.02		
50522 TY	51.20	51.32	52.16	52,27	53.03	52.22		53,15	52.90	52.51		52.40		
50522 TS	50.89	50.93	51,75	51.95	52.69	51.98	53,36	53.03	52.70	52.37	52.61	52.23		
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Nitrate Salt-Bearing TRU Waste Container Monitoring	Document No. Revision: Effective Date Page:	EWMO-AREAG-FO-DOP-1246 5 11/03/14 37 of 38

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6.[6] Date: From 11.21.14 to 11.21.14 Location: Done 375 all 1

Container ID # (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])													
														-
		_												
							P							-
								-						
										2				
Ambient Femperature	4 9. 39 °F	49.50 · F	50,35°F	50.76 °F	52.05.F	<u>51,53</u> .,	53.72F	53.10 ·F	52.78°F	52.28 °F	52.35 F	<u>51.89</u> • F	•F	°F
6.[12]) <b>15</b> End Time	0630	0732	083/	0931	1032	1130	1231	1330	1432	1531	1631	1731		
0[10])	Operator:	Operator:	Operator:	Operator	Operator:	Operator:	Operator:	Operator:	Operator	Operator:	Operator:	Operator	Operator:	Operator:
	Operator:	Operates	Operator:	Operator:		Operator:	Oper <u>ator:</u>	Operator	Operator:	Operator:	Operator:	Operator:	Operator:	Operator:
	Operator:	au	in	fun	Operator:	20	ui	-th	-Ma	Operator:	cut	-Jun.		

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			ATTACHM Page 3 c			······································	
6] Date: From _/	1.21.14 to 11.21.14	Location: Dome 375 coll					
2] Comments: L terre 325	pid not es	uter Permaco aten from P		Standin ger con	0 .	12m.	Area G rol Koom
7 Performed by:	- full-fra-	Dail 458 27 11-21-14		/	/ / .	/	
Derator (print)	Signature toto	201458 57 11-21-14 Z# Initials Date 1632161 112114 Z# Initials Date	Operator (print)	Signature / Signature	//	als Date / als Date	
operator (print) <u> Ste Chaver</u> perator (print)	Signiture	$Z_{H}$ Initials Date $1214578$ $S_{C}/1/21-14$ $Z_{H}$ Initials Date	Operator (print)	Signature	/ /	/als Date	
perator (print)	/ Signature	/ / / Z# Initials Date	Operator (print)	/ Signature	Z# Initia	/ als Date	
perator (print)	Signature DA	/ / / Z# Initials Date	Operator (print)	/ Signature /	/ / / / / / / / / / / / / / / / /	/ nls Date	
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8.1[2] Reviewed by:

Operator (print)

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Initials Date

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Signature

Nitrate Salt-Bearing TRU Waste Container Monitoring	Document No. Revision: Effective Date:	-
	Pagei	36.of38

# ATTACHMENT 6 Page 1 of 3

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

6.[6] Date: From 11.21.14 to 11.22.14 Location: Down 375 411 1

	Start Time: 6.[6] 1827	Start Time 	Start Time. 6 [6] 2033	Start Time: 6.[6] <b>Z   3 3</b>	Start Time 6 [6] <b>2230</b>	Start Time: 6.[6] <b>23.3</b>	Start Time: 6 [6]	Start Time 6.16] 01.29	Start Time 6 [6] 0228	Start Time 6 [6] <b>331</b>	Start Tune 6 [6] 042<	Start Time 6 [6] 0520	Start Time: 6 [6]	Start Time:
Calibrated	Brand	licand	Brand	Brand	Brand	Brand	Brand	Brand	Brand	Brand	Brand	Brand	Brand	Brand
Infrared Thermometer	Model	Model	Model	Model	Rivelet	Model	Model	Model	Model	Model	Model	Model	Model	Model
(4.2.1[1][B])	Cal Due Date	Cal Due Date	Cal Due Date	Cal Due Date	Cal. Due Date	Cal Due Date	Cal Due Date	Cal Dire nam	Cal. Dije Date	Cal Dua 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	Freetimber	File Number	File Number	The Manhae	File Number	File Number
Ambient Temperature (6.[7])	51.39	51.17 °F	50.61 F	5077	50.87	50,9/01	50.68	50.16	49.93	49.20	4870 m	48.48		
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 (°l <sup>*</sup> ) (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.[ <b>8]</b> /6.[9])	Temp (°F) (6.[SV6.[9])	Temp (°F) (6.[8]/6.[9])
14)68685	52.24	5216	52.03	52.08	52.27	52.45	52.37	51.97	51.74	50.3	50.10	50.41		
(2) 686.85		51.55	51.19	51.32	51.57	5172	51.52	51.15	50.9	50.76		49.54		
19/ 50522	1	52.13	52.03	52.02	52.11	52.21	52.1	51.84	51.65	50.42		50.56		
(s) 50572	52.03	51.87	51.82	51.8	51.88	51.95	51.87	51.56	51.35	50.15	50.87	50.3	N	A
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						nA			-					<u> </u>
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Container ID # (6.[8]/6 [9])		Temp (°F)	Temp (°F)	Temp (°F)	Temp (°F) . (6.[8]/6.[9])	Temp (°F)	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.[S]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])
										A	· · · · · · · · · · · · · · · · · · ·			A
								/						
Ambient Temperature 6.[12]) End Time	51.45 °F	51.17 °F		5073 2134	50.86 or	50,93 <b>Z3</b> 38	5067 0133	5 <u>0.16</u>	49,91_°F	49.67	48.11 T	48.4 <del>8</del> 0521	₀Ŀ	°F
5.[13]) 6.[13]	Operator Operator MV	Operator: Operator:	Operator: Operator: -67C	Operator	Operator Operator Operator	Operator:	Operator:	Operator	Operator Operator Operator	Operator.	Operator:	Operator:	114	Operator:

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5] Date: From <u>11-3</u>	21-14 to 11-22-14	Lo	cation: Dome 3	75 cull 1					
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Orlies. Color	Signature	1 "	Initials Date	operator (print)	Signature	) Z#	initials D:		
ALUES, Colo Michael Vigit	Stepende Man	2.15267	Initials Date	Operator (print)	/	1	1 1		
Delacs, Color perfor (print) lichael / /g, gerator (print)	Signature	215267 711	Initials Date MV / III Initials Date	operator (print)	Signature Signature Signature	Z# Z# Z#	/ / Initials Da		
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Collect Collection	Stepande Signature	711 711 163-8.	Initials Date	Operator (print)	Signature	24	/ / Initials Da	ite	
Dettes, Col appror (print) merator (print) perator (print) sector (print)	Signature Signature	711 711 163-8.	Initials Date	Operator (print)	Signature	24	/ / Initials Da	te	
Dettes, Col appror (print) merator (print) perator (print) sector (print)	Stepande Signature	2# <b>AISEEF</b> 7# <b>16338</b> 7.# 1	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Operator (print) Operator (print) Operator (print)	Signature Signature	74	/ / Initials Da / / Initials Da / /	te	
Definer (print)	Signature Signature	2# <b>AISEEF</b> 7# <b>16338</b> 7.# 1	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	Operator (print) Operator (print) Operator (print)	Signature Signature	74	/ / Initials Da / / Initials Da / /		
Definer (print)	Signature Signature	2.4 <b>2.15267</b> 7.11 <b>1.6338</b> 7.44 1. 2.31 1.	Initials Date I MAX   III BAL Initials Date I MITIALS Date I III Date I III Date I III Date I III III Date I III III Date I III III III III III III IIII III II	Operator (print) Operator (print) Operator (print) Operator (print)	Signature Signature / Signature	74	//////////////////////////////////////		
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SOM or designee (print) Signature Z# Initials Date

Nitrate Salt-Bearing TRU Waste Container Monitoring	Document No. Revision: Effective Date; Page;	EWMO-AREAG-FO-DOP-1246 5 11/03/14 36 of 38

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

6 [6] Date: From <u>11-22-14</u> to <u>11-22-14</u> Location: <u>D375 Cull 1</u>

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	Start Time: 6.[6]	Start Time: 6,[6]	Start Time: 6.[6]	Start Time: 6 [6]	Start Time:	Start Time: 6.[6]	Start Time: 6.[6]	Start Time: 6.[6]	Start Time: 6.[6]	Start Time 6.[6]				
	0631	0730	0830	0930	1029	1129	1230	1328	1429	1528	1629	1728		
Calibrated Infrared	Brand.	Brand:	Brand:	Brand:	drand	Rrand	Brand:	Rrand	Brand.	Brand	Brand:	Brand	Brind:	Brand:
Thermometer	Model	Model. A	Molel	Model	Model	Model	Model	Model	Midel	Model A	Model	Model:	Model:	Model
4.2.1[1][B])	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. Du Date:	Cal. Due Date:	Ca The Late:	Cal. Dre Date:	Cal. Due Date
	File Number	File Number												
Ambient Femperature	48.03°F	48.06°F	49.8 or	57.92 F	57.82 or	53.12 ·F	54.72°F	55.95 ·F	56.13 F	55.39F	53.95°F	<b>57.68</b> · F	et:	
(6,[7])														
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]										
68685	49.94	49.97	51.57	53.48	52.38	53.15	54.51	55.58	55.77	55.04	53.72	51.81	N	17
68685	49.13	49.20	51.11	52.85	51.6	52.48	53.81	54.82	54.97	54.28	53.02	57.44		
50522	50.18	50.18	51.53	52.81	52.33	\$2.88	53.96	54.82	55.1	54.65	53.7	52.3		
50522		49.86	51.01	52.5	52.12	52.83	53.95	54.82	55.06	54.57	53.57	52.4		
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UET	Nitrate Salt-Bearing TRU Waste Container Monitoring											Document No.:EWMO-AREAG-FO-DOP-1246Revision:5Effective Date:11/03/14Page:37 of 38			
6 [6] Data:	From 11-22	-14.011-2	17 - 14	Looption	D375		TTACHMEN Page 2 of 3	<u>T 6</u>							
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)	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])	
(0.[3]0.[5])	10.[0]0.[9]	(0.18/0.19)		(0.[0]/0.[9])		(0.[6]/0.[9])	(0.1670.19])					(0.[6]/0.[7]/			
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	· · · · · · · · · · · · · · · · · · ·							-		-					
Ambient Temperature (6.[12])	48.03 ·F	48.04	<b>49.91</b> •F	<u>51.97</u> .F	51.82 F	<u>53.15</u> .F	54.75°F	5.95-F	56.12 ·F	<u>55.39</u>	<u>53.9</u> •F	51.66	eĿ	*F	
End Time (6.[13])	0633	0730	0831	0930	1030	1130	1231	1329	1430	1530	1630	1730			
6.[13]	Operator: Operator:	Operator: <u>E C</u> Operator: <u>TR</u>	Operator: Operator:	Operator: Operator:	Operator:	Operator: Operator: NS	Operator: Operator:	Operator: Operator:	Orferser: Operfilter	Operator Operator	Operator: Operator: Operator: Operator:	Operator Constant	Operator:	Operator: Operator:	

Nitrate Salt-Bearing TRU Waste Container Monitoring	Document No.: EWMO-AREAG-FO-DOP-1246 Revision: 5 Effective Date: 11/03/14 Page: 38 of 38
ATTACHMENT 6 Page 3 of 3 6.[6] Date: From <u>11-22-14</u> to <u>11-22-14</u> Location: <u>D375 (c111</u> 6.[2] Comments: Did not a for Jermann for Standing or Las 12472.5 Temps -	sc 11-22-14 nere taken using compture Data \$ logger
6.[17] Performeday. Larry & to, & Brits 11665, BB, 11-22-14	

į	Larry Brito	1 & Bruto	116-65	AB	111-22-14	
	Operator (print)	Signature	Z#	Initials	Date	Operator (print)
	Juan Garcia	/mattaicia	16984	0 Las	111-22-14	
	Operator (print)	Sumptupe	Z#	Inteals	Date	Operator (print)
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	Operator (print)	Sign/iture	ZII	Initials	Date 1	Operator (print)
	Norman Sanche	4 Deeman Janel	-118184	TNS	11/22/14	
	Operator (print)	Signature	Z#	Initials	Date	Operator (print)
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						<u>A</u>	FTACHMEN Page 1 of 3	<u>T 6</u>						
			TA-54	AREA G NIT	RATE SALT	TRU WAST	E CONTAIN	ER HOURLY	TEMPERAT	<b>URE DATA</b>	SHEET			
6.[6] Date: F	rom <u>[[-2</u> 2	1-14 to 11-2	23-14	Location:	375									
	Start Time: 6.[6]	Start Time: 6.[6]	Start Time: 6.[6] 2026	Start Time: 6.[6]	Start Time: 6.[6]	Start Time: 6.[6] 2325	Start Time: 6.[6]	Start Time: 6.[6]	Start Time: 6.[6]	Start Time: 6.[6] 0327	Start Time: 6.[6]	Start Time: 6.[6]	Start Time: 6.[6]	Start Time: G.[6]
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand: Model: A GallDueDate: File Number	Brand: Model: A CN. BueDate: File Number	Brand: Model: A Gal. Due Date: File Number	Brand: Model: Al. Due Date: File Number	Modul: Modul: Gal. Due Date: File Number	Brand: Model: Gal. Due Date: File Number	Brand: Model: Gal. Due Date: File Number	Brand: Model: Cal Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Al. Due Date: File Number	Brand:	Brand: Modal: Gal Due Date: File Number	Brand: Model: Cal.Due Date: File Number	Brand: Model: Cal. Due Date: File Number
Ambient Temperature (6.[7])	51.89	52.7F	50.9¢	51-87F	52.05	5458	50,45	50.84	51.76	50.96	51.02	50.84	°F	°F
Container ID # (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9]	Temp (°F)
6868572	52.5	53.58	51.74	52-83 52.18	53.09		51.63	52.12	53.04		52.56	52.27 51.65		
5052274	52.2	53:23	52.12 51.85	52.85	52.87	52.4 52.14	52.01 57.64	52.27	52,19 52,46	52.24	52.33 51.97	52,2 51.85	- 1	
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6.[6] Date:	From <u>  -22</u>	-14 to [[-;	23-14	Location:	375	<u>A1</u>	TACHMEN Page 2 of 3	<u>T 6</u>						
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])										
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Ambient														
Temperature (6.[12])	51,8%	52,7°F	51.06	51.68	52.05	51.58	50.42	50.84	51.765	50.9%	51.05	50.84	•E	•F
End Time (6.[13])	1827	1928	2021	2126	2227	2326	0027	0125	0226	0325	0426	0526		
6.[13]	Operator:	Operator:	Operator:	Operator:	Operator:	Operator: Operator:	Cator	operato:	Operator:	Operator:	Operator:	Operator:	Operator:	Operator:
	Operator:	Operator:	Operator:	Operator:	Operator:	Operator:	Oper nor:	Operator:	Operation	Operator:	Operator	Operator:	Operator:	Operator:

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ATTACHMENT 6 Page 3 of 3		
6.[6] Date: From <u>11-22-14</u> to <u>11-23-14</u> Location: <u>375</u>		
6.[2] Comments: Did Not Ender Permacon due to Standing Dr	der 1247	-Area G
all Temps were taken Data logger Computer Din	Donne 37:	
6.[17]_Performed by		
ling Aguirre Ang Acu Mari Ot, 11-23-14	/ /	
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						A	TTACHMEN Page 1 of 3	<u>T 6</u>						
			TA-54	AREA G NIT	FRATE SALT	TRU WAST	E CONTAIN	ER HOURLY	TEMPERA	TURE DATA	SHEET			
6.[6] Date:	From <u>1+2</u>	3-14 to 11-7	23-14	Location:	375									
	Start Time: 6.[6] 0630	Start Time: 6.[6] 0729	Start Time: 6.[6] 0828	Start Time: 6.[6] 092.8	Start Time: 6.[6]	Start Time: 6.[6] // <b>2.6</b>	Start Time: 6.[6] 1227	Start Time: 6.[6] 1325	Start Time: 6.[6]	Start Time: 6.[6] <b>1527</b>	Start Time: 6.[6] <b>162 7</b>	Start Time: 6.[6] <b>1728</b>	Start Time: 6.[6]	Start Time: 6.[6]
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand: Model: C:Athur Date: File Number	Brand: Model. Car Due Date: File Number	Brand: Model: A Call Bue Prate: File Number	Brand: Model IA Ca Due Date File Number	Brand: Model: Call Das Date: File Number	Brand: Motel Calpue Date: File Number	Brand: Modul: A Cal. Due Date File Number	Nrand: Model Cal. Dec Date File Number	Brand: Moliel: Cal Du Date: File Number	Brand: Model Cal. Inter Date: File Number	Brand: Model. Call Die Dute: File Numer	Brand: Mode Cill Due Date: File Number	Brand: Model: Cal Due Date: File Number	Brand: Model: Cal. Due Date:
Ambient Temperature (6.[7])	50.81 °F	50.53.F	51.9 °F	52.86°F	53.61 °F	<u>93.5</u> %F	54.05.F	<u>54.58</u> °F	53.34	52-86	53.16 °F	<b>51.38</b> °F	/	•F
Container ID # (6.[8]/6.[9]) 68685 68685 50522 50522	Temp (°F) (6.[8]/6.[9]) 52.17 51.53 52.17 51.85	Temp (°F) (6.[8]/6.[9]) 51.88 51.13 52.01 51.71	Temp (°F) (6.[8]/6.[9]) 53,15 52.48 53.02 52.65	Temp (°F) (6.[8]/6.[9]) 53.65 53.18 53.1 52.98	Temp (°F) (6.[8]/6.[9]) 53.86 53.12 53.68 53.53	Temp (°F) (6.[8]/6.[9]) 53-46 52-68 53-34 53-24	Temp (°F) (6.[8]/6.[9]) 53.61 52.91 53.47 53.48	Temp (°F) (6.[8]/6.[9]) F4-04 53-33 53-82 53-88	Temp (°F) (6.[8]/6.[9]) 53.83 53.08 53.75 53.75	Temp (°F) (6.[8]/6.[9]) 52.52 51.84 52.83 52.8	Temp (°F) (6.[8]/6.[9]) <b>53.35</b> 52.86 53.19 53.18	Temp (°F) (6.[8]/6.[9]) 52 57.36 51.37 52.2	Temp (°Y) (6.[8]/6/9])	Temp (°F) (6.[8]/6.[9])
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		-14_ to []-;	23.14	Location:	375	<u>^</u>	TTACHMEN Page 2 of 3							
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])										
					_									
							KA							
							-							
Ambient Temperature	50.8/F	50.53.F	57.9 °F	52.94°F	53.61 °F	53.5.5	54.05 F	57.58	<b>5</b> 4.34 · F	52.86°F	53.19 °F	51.41 •F	٥F	
(6.[12]) End Time (6.[13])	063	0730	0829	0929	1031	11:26	1228	1327	1428	1528	1628	1729		°F
6.[13]	Operator	Onemies:	Operator	Op <b>B</b> ST:	Operage:	Operator:	Op <b>O</b> gr:	Operator:	Op <b>oppo</b> r:	Operator:	Operator	Operator:	Operator:	porator:
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				ATTACH	VENT 6				
				Page 3	of 3				
6] Date: From	23-14 10 11-23-14	Loca	ation: <u>325</u>						
2						~			
2] Comments:	d not enter Per	macon	due to sta	nding Order	1247-Area (	7			
Il Temps w	ere taken Da	ter 109	gar composter	in Pone	375				
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	A								
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perator (print) arry Brito perator (print) Dean Garan perator (print)	Forde	2# <b>16405</b> 2#	Initials Date 1/23/14 Initial Date	Operator (print)	/	/ Z#/	/ / Initials	Date	
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perator (print) perator (print) perator (print) perator (print) com mm70 perator (print)	Signature Signature	2# 16984 2# 199586 2# 2# 2#	Initials Date Initial Date Initial Date Initial Date Initials Date Initials Date Initials Date	Operator (print) Operator (print) Operator (print)	/ Signature Signature / M Signature /	/ Z# /	/ / Initials / / / Initials / / / Initials / /	Date Date	
berum Sanci perator (print) Sean Guran perator (print) ferm mm70 perator (print)	/ J Sr. Ag Signature Signature	2.# <b>16984</b> 2.# 1 <b>16984</b> 2.# 1 <b>/9/526</b>	Initiate Date 11/23/14 Initian Date 0 47 / 11/23/14 Initian Date 11/23/14	Operator (print) Operator (print)	/ Signature Signature	/ Z# /	/ / Initials / / Initials / /	Date Date	
7] Performed by: bperator (print) bperator (print) bperator (print) bperator (print) bperator (print) bperator (print) bperator (print) bperator (print)	Signature Signature	2# 16984 2# 199586 2# 2# 2#	Initials Date Initial Date Initial Date Initial Date Initials Date Initials Date Initials Date	Operator (print) Operator (print) Operator (print)	/ Signature Signature / M Signature /	/ Z# /	/ / Initials / / / Initials / / / Initials / /	Date Date Date Date	

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	Nitrate Salt-Bearing TRU Waste Container Monitoring	Document No.: EWMO-AREAG-FO-DOP-1240 Revision: 5 Effective Date: 11/03/14	6
UET		Page: 36 of 38	

# ATTACHMENT 6 Page 1 of 3

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

6.[6] Date: From 11.23.14 to 11.24.14 Location: Dome 375 Call 1

		Start Time: 6.[6] /827	Start Time: 6.[6] <b>/928</b>	Start Time: 6.[6]	Start Time: 6.[6] 2/30	Start Time: 6.[6] <b>2229</b>	Start Time: 6.[6] <b>2.32.8</b>	Start Time: 6.[6] 0030	Start Time: 6.[6] <b>01.3/</b>	Start Time: 6.[6] 0227	Start Time: 6.[6]	Start Time: 6.[6] 0429	Start Time: 6.[6]	Start Time: 6.[6]	Start Time: 6.[6]
	Calibrated Infrared Thermometer (4.2.1[1][B])	Brand: Model: Cal. Due Date: File Number	Brand:	Brand: Movel: MA Cal. Die Date: File Number	Brand: Mood: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: A Cal. Due Date: File Number	Brand: Model: Cal. Dhe Date: File Number	Brand: Modul: AA Cal. Due Date: File Number	Brand: Molel: A Cal. Dua Date: File Number	Brand: Molel: / Cal. Dur Date: File Number	Brand: Morel: A Cal. Due Date: File Number	Brand: Molel: Cal. Du Date: File Number	Erand: Model: Cal Due Date: FileNumber	File Number
	Ambient Temperature (6.[7])	50.86°F	<u>51.11</u> • F	50.58°F	50.73.F	5 <u>0.27</u> •F	49,69 °F	<u> 48.43</u> °F	47.83 °F	47.06F	<b>4604</b> °F	45.15 °F	<u>4469</u> .F	°F	°F
	Container ID # (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])
(TU	68685	52.03	52.53	52.04	5238	52.02	51.59	50.47	49.92	49,19	48.26	47.42	4698	\A	A
(72)	68685	51.35	51.8	51.35	51.6	51.24	50.72	49.59	49.07	48.33	4238	46.59	44.12	MA	NI
(TY)	50522	52.1	52.35	52.1	52.27	52.0	51.62	50.73	47.83	49.66	48.92	48.2	47.84	1-1-	
(Ts)	50522	51.91	52.13	51.86	-5-2-0	51.73	51,33	50.49	50.27	49.46	48.71	48.04	47.62		
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#### Document No.: EWMO-AREAG-FO-DOP-1246 Revision: 5 Effective Date: 11/03/14 Page: 37 of 38

# ATTACHMENT 6 Page 2 of 3

Container 1D # (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])													
							<u> </u>							
													NA	NA
											11-21-H			
Ambient Temperature	50.86°F	<b>51.11</b> °F	<b>50.59</b> • F	50.73	50.26 F	49,70°F	48.43°F	47.79F	47.01°F	46.04 °F	145.1 °F	44.69°F	0	
(6.[12]) End Time		11-23-14												<u> </u>
(6.[13])		028.1929	2019	2/3/	2230_	2328	_0030	0/32	0228	_0329_	0435	_0529_		
6.[13]	Operator:													
	Operator:	Operator:	Operator;	Operator:	Operator	Operator:	Operator:	Operator:	Oper or:	Operator:	Operator:	Operator	Operator:	Operator:
		50												-

6.[6] Date: From <u>11.2314</u> to <u>11.24.14</u> Location: Dome 375 coll 1

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5.[2] comments: Did Not Enter permacon per Standing order 1247 R.5. All temps taken from data logger in control room in Dome 575	Page 3 of 3 6] Date: From <u>11.23+4</u> to <u>11.24+14</u> Location: <u>Jone 375 C.111</u> 22] Comments: <u>Did Not Enter permacon per Standiny order 12.447 R5</u> , <u>All temps a</u> <u>taken from data logger in control room in Dome 575</u> 17] Performed by: <u>Difference form</u> <u>Signature</u> <u>Page 1012</u> <u>111111111111111111111111111111111111</u>	IET		Nitrate Salt-Bea	aring TRU Waste	Container Monit	oring		Document No Revision: Effective Dat Page:	<ul> <li>EWMO-AREAG-FO-DOP-1</li> <li>5</li> <li>11/03/14</li> <li>38 of 38</li> </ul>
5.[17] Performed by: 5.[17] Performed by: 6.[17] Performed by: 7.[17] Performed by:	21 Comments: Did Not Enter permacon per Standing order 1247 R.5. All temps a taken from data logger in control room in Dome 575 17] Performed by: 17] Performed by									
6.[17] Performed by: 6.[17] Performed by: 6.[17] Performed by: 1	17] Performed by:       1       1       1       1       1         17] Performed by:       1       1       1       1       1       1         17] Performed by:       1       1       1       1       1       1       1         17] Performed by:       1       1       1       1       1       1       1       1         17] Performed by:       1	.[6] Date: From //-23/	4 to 11.24.14	Location: a	Done 375 GI	1				
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