From: Haagenstad, Mark P
Sent: Monday, December 01, 2014 5:13 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; Robinson, Bruce Alan; Haagenstad, Mark P
Subject: Daily Technical Submission - December 1, 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

December 1, 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 4 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 27, 2014 – December 1, 2014 HSG data attached.
        - H_2, CO, CO_2 and N_2O
  - Other containers
    - A minimum of once per month HSG sampling will be conducted.

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.
    - December 1, 2014 HSG sample data attached.

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

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

- **Other:**

Next Call: Tuesday, December 2, 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 on-going chemistry / analytical work.	LANL	---	Complete June 9, 2014
3.	On upcoming daily call, provide additional discussion on the potential for liquids in the 350 post-1991 cemented containers (including a discussion of the review of RTR tapes).	LANL	---	Complete July 6, 2014 (Discussion on call) July 18, 2014 (Meeting held)
4.	On upcoming call, provide additional discussion on why 231 and 375 Permacon fire suppression systems are not part of the LANL RCRA Hazardous Waste Facility Permit Contingency Plan.	LANL	---	Complete June 5, 2014
5.	Send copy of June 4, 2014 written daily submission to Trais Kliphuis. Also, include her on future daily submissions.	LANL	---	Complete June 5, 2014
6.	Provide LANL procedures and example records associated with post-1991 TA-55 cementation process discussed on June 6.	LANL	---	Complete July 3, 2014
7.	Provide information on numbers of containers in the post-1991 cemented waste streams from the TA-55 process discussed on June 6. This should include numbers regarding RTR status (RTR'd, meet WIPP criteria, requiring remediation).	LANL	---	Complete June 17, 2014 (Supplemental Info provided July 3)
8.	Provide RTR video and pre-screening information associated with those containers requiring remediation from the post-1991 cemented waste streams from the TA-55 process discussed on June 6.	LANL	---	Complete July 3, 2014
9.	Provide copy of CCP/LANL Interface Document.	LANL	---	Complete June 9, 2014
10.	Provide a list of the analytes for which LANL is sampling HSG (CO_2 and LFL analytes).	LANL	---	Complete June 11, 2014
11.	Discuss potential sampling of HSG for NO_x.	LANL	---	Complete June 16, 2014

	Requested Information	Actionee	Status	Completion Date
12.	Follow-up with Tim Hall regarding LANL Hazardous Waste Facility Permit and procedures that LANL is developing for possible future sampling of empty parent containers and unremediated nitrate salt-bearing containers at LANL.	LANL	---	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. 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	---	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 (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_2, including data.	LANL	---	Complete August 14, 2014 (Meeting held)
26.	NMED requested additional discussion on CIN-01 waste containers and absorbent, including confirmation and extent of use.	LANL	---	Complete July 18, 2014 (Meeting held)
27.	NMED requested historic analytical information on pH of liquids associated with gypsum cemented waste.	LANL	---	Complete August 7, 2014
28.	NMED requested link to pdf of Actinide Quarterly edition (3rd 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	---	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/ NMED	---	Complete November 20, 2014
44.	Schedule a fifth update on LANL efforts – including teams.	LANL/ NMED	In progress: Site visit to be scheduled for week of December 8, 2014.	

Remediated Nitrate Salt Container Headspace Gas Analysis

	68685				69553				69615			
Date	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**
11/27/14	126	608	14022	4054								
11/28/14	127	598	13335	3807								
11/29/14	125	563	12897	3637								
11/30/14	129	476	11598	3330								
12/01/14	118	404	10983	3111	1885	564	17517	2488	103	245	6440	342

Remediated Nitrate Salt Container Headspace Gas Analysis

	69616				SB50069				SB50452			
Date	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**
11/27/14												
11/28/14												
11/29/14												
11/30/14												
12/01/14	305	718	20903	4529	492	870	20893	2918	603	696	15668	2990

Remediated Nitrate Salt Container Headspace Gas Analysis

	SB50522			
Date	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**
11/27/14	2608	460	43059	1020
11/28/14	2353	403	39888	890
11/29/14	2157	411	38811	835
11/30/14	2087	361	36126	766
12/01/14	2440	433	40385	902

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 11-24-14 to 11-30-14

	Monday 6.[6] Start Time: 0925	Tuesday 6.[6] Start Time: 0937	Wednesday 6.[6] Start Time: 0813	Thursday 6.[6] Start Time: 0702	Friday 6.[6] Start Time: ~~0816~~ 0919	Saturday 6.[6] Start Time: 0859	Sunday 6.[6] Start Time: 0813
TA-54-231							
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand: Fluke Model: 561 Cal. Due Date: 07/29/15 File Number: 101974	Brand: Fluke Model: 561 Cal. Due Date: 07/29/15 File Number: 101974	Brand: Fluke Model: 561 Cal. Due Date: 07/29/15 File Number: 101974	Brand: Fluke Model: 561 Cal. Due Date: 07/29/15 File Number: 101974	Brand: Fluke Model: 561 Cal. Due Date: 07/29/15 File Number: 101974	Brand: Fluke Model: 561 Cal. Due Date: 7/29/15 File Number: 101974	Brand: Fluke Model: 561 Cal. Due Date: 7/29/15 File Number: 101974
Ambient Temperature (6.[7])	31.5 °F	28.4 °F	29.6 °F	31.3 °F	11-28-14 ~~52.8~~ 37.1 °F	38.6 °F	40.7 °F
Container ID #	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])
S818435	32.8	30.9	32.4	33.8	11-28-14 ~~53.3~~ 38.2	39.1	41.6
S802833	31.8	29.0	31.2	33.1	11-28-14 ~~54.3~~ 37.5	37.6	40.9
S801676	31.3	28.8	30.7	32.8	11-28-14 ~~53.8~~ 37.1	37.4	40.8
S816810	29.9	27.2	28.9	30.5	11-28-14 ~~54.3~~ 36.0	36.3	38.8
70069	29.2	27.8	28.7	30.7	11-28-14 ~~54.0~~ 35.3	35.3	38.5
S822844	29.9	27.6	29.0	30.8	11-28-14 ~~53.7~~ 35.7	35.7	38.6
S825879	29.5	27.5	29.1	30.3	11-28-14 ~~54.3~~ 36.1	35.9	38.5
S793724	29.1	27.4	29.0	30.6	11-28-14 ~~53.0~~ 36.1	36.6	38.9
S813545	29.5	27.3	28.9	31.3	11-28-14 ~~54.2~~ 35.9	36.9	39.1
S822713	31.6	29.2	30.8	32.5	11-28-14 ~~52.8~~ 37.9	37.7	40.6
S802739	31.7	29.1	31.0	32.6	11-28-14 ~~53.4~~ 37.8	38.4	40.8
69907	31.5	28.9	31.3	33.2	11-28-14 ~~53.8~~ 37.5	37.8	40.8
S804995	31.8	29.4	31.4	33.3	11-28-14 ~~53.3~~ 38.2	38.4	41.1
S816434	32.4	30.9	32.8	34.9	11-28-14 ~~53.3~~ 39.2	39.2	42.5

WORKING COPY
Z# 114188
INITIAL EC DATE 11.24.14

ATTACHMENT 2
Page 2 of 3

6.[6] Date: From 11-24-14 to 11-30-14

Container ID #	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])
TA-54-231 (continued)							
S805289	33.4	30.7	32.1	34.6	~~11-28 53.8~~ 39.3	38.9	42.4
S862888	32.9	29.9	31.6	34.2	~~11-28 54.3~~ 38.4	38.4	41.5
70072	31.8	29.2	31.4	33.1	~~11-28 53.6~~ 38.1	38.6	41.0
S823184	32.1	29.5	31.0	32.9	~~11-28 53.1~~ 38.4	37.7	40.9
S822599	31.7	29.0	30.4	32.6	~~11-28 53.1~~ 37.9	37.5	40.3
69904	30.3	27.8	29.4	31.6	~~11-28 53.6~~ 36.6	37.2	39.6
S805051	30.2	27.4	29.3	31.4	36.3	36.2	39.3
S864213	30.4	27.6	29.0	31.5	36.5	36.4	39.2
S853714	30.5	27.7	28.6	31.2	36.7	36.6	39.1
S803078	30.3	27.8	28.9	31.1	37.0	36.6	39.0
S825878	30.9	27.9	29.3	31.5	36.8	36.6	39.3
S823124	31.0	28.6	29.9	32.0	37.3	36.7	39.5
S804948	32.9	29.4	31.4	33.8	38.2	38.2	41.4
S813385	33.0	29.8	31.8	34.1	38.7	38.7	41.5
S842446	34.6	31.8	33.6	35.8	40.0	39.9	43.4
Ambient Temperature (6.[12])	32.1 °F	29.6 °F	31.0 °F	32.9 °F	39.2 °F	38.1 °F	42.5 °F
End Time (6.[13])	0931	0946	0817	0709	0925	0903	0820
6.[13]	Operator: [illegible] Operator: [illegible]	Operator: [illegible] Operator: [illegible]	Operator: [illegible] Operator: [illegible]	Operator: [illegible] Operator: [illegible]	Operator: JR Operator: EC	Operator: JR Operator: EC	Operator: JR Operator: EC

ATTACHMENT 2
Page 3 of 3

6.[6] Date: From 11-24-14 to 11-30-14

6.[2] Comments:

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Josephine Duran		1157971		11/24/14
Thomas Vigil		236382		11/24/14
Josephine Duran		1157971		11/25/14
Thomas Vigil		236382		11/25/14
Josephine Duran		1157971		11/26/14
Thomas Vigil		236382		11/26/14
Josephine Duran		1157971		11/27/14
Thomas Vigil		236382		11/27/14
Jackie Romero		1187066	JR	11/28/14
Eloy D. Cordova		1141885	EC	11-28-14
Jackie Romero		1187066	JR	11/29/14
Eloy D. Cordova		1141885	EC	11-29-14
Jackie Romero		1187066	JR	11/30/14
Eloy D. Cordova		1141885	EC	11-30-14

8.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date

ATTACHMENT 3
Page 1 of 3

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

6.[6] Date: From 11-24-14 to 11-30-14

	Monday 6.[6] Start Time: 1038	Tuesday 6.[6] Start Time: 104	Wednesday 6.[6] Start Time: 0841	Thursday 6.[6] Start Time: 0726	Friday 6.[6] Start Time: 11-28-14 ~~0860~~ 0809	Saturday 6.[6] Start Time: 0811	Sunday 6.[6] Start Time: 0738
TA-54-375 Cell 1							
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand: Fluke Model: 561 Cal. Due Date: 6/12/15 File Number 101915	Brand: Fluke Model: 561 Cal. Due Date: 6/12/15 File Number 101915	Brand: Fluke Model: 561 Cal. Due Date: 6/12/15 File Number 101915	Brand: Fluke Model: 561 Cal. Due Date: 6/12/15 File Number 101915	Brand: Fluke Model: 561 Cal. Due Date: 6-12-15 File Number 101915	Brand: Fluke Model: 561 Cal. Due Date: 6 12 15 File Number 101915	Brand: Fluke Model: 561 Cal. Due Date: 6-12-15 File Number 101915
Ambient Temperature (6.[7])	51.6 °F	48.8 °F	50.4 °F	48.4 °F	11-28-14 ~~49.7~~ °F 49.7	50.2 °F	51.9 °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	53.2	51.0	52.3	51.3	11-28-14 ~~52.4~~ 52.4	53.5	53.8
LA00000070503 68540	53.3	50.8	52.2	51.3	11-28-14 ~~52.4~~ 52.4	53.1	53.4
LA00000070503 68553	52.6	50.2	52.7	51.4	11-28-14 ~~51.2~~ 51.2	52.7	54.4
69445	53.5	50.9	51.8	51.0	11-28-14 ~~52.0~~ 52.0	52.6	53.7
69618	51.8	49.4	50.4	49.4	11-28-14 ~~51.1~~ 51.1	52.3	53.0
69013	52.9	51.4	52.4	51.8	11-28-14 ~~53.3~~ 53.3	53.2	54.3
LASB50522	53.4	51.9	53.9	53.0	11-28-14 ~~53.0~~ 53.0	54.7	54.7
LASB50452	54.7	52.2	53.9	53.4	11-28-14 ~~54.5~~ 54.5	53.7	55.3
LASB50431	54.5	52.3	54.2	53.2	11-28-14 ~~53.6~~ 53.6	54.7	55.3
LASB50069	54.7	52.2	53.7	52.7	11-28-14 ~~53.0~~ 53.0	54.0	54.4
LASB50073	54.2	52.2	53.3	52.2	11-28-14 ~~53.8~~ 53.8	53.9	55.2
69636	55.8	52.2	53.9	52.6	11-28-14 ~~53.9~~ 53.9	55.0	55.5
69616	54.3	52.4	53.6	52.3	11-28-14 ~~53.5~~ 53.5	54.4	55.4
69417	55.6	52.3	53.1	53.1	11-28-14 ~~53.5~~ 53.5	54.3	55.2

IPC-1

WORKING COPY
Z# 114148
INITIAL Ec DATE 11-24-14

ATTACHMENT 3
Page 2 of 3

6.[6] Date: From 11·24·14 to 11·30·14

Container ID #	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])
TA-54-375 Cell 1 (continued)							
69620	54.0	53.3	53.1	52.0	~~54.2~~ 54.2	54.1	54.8
69520	54.3	52.1	53.3	52.6	~~53.3~~ 53.3	55.1	55.0
69641	56.0	52.6	53.7	52.9	~~54.0~~ 54.0	54.6	55.5
69298	55.2	52.7	53.8	53.7	~~54.2~~ 54.2	54.8	55.6
LASB02203	55.0	53.0	54.2	~~53.6~~ 53.7	54.3	54.8	55.4
Ambient Temperature (6.[12])	52.0 °F	49.6 °F	50.3 °F	48.1 °F	49.8 °F	51.4 °F	52.6 °F
End Time (6.[13])	1046	1019	0847	0730	0815	0815	0744
6.[13]	Operator: [illegible] Operator: [illegible]	Operator: [illegible] Operator: [illegible]	Operator: [illegible] Operator: [illegible]	Operator: [illegible] Operator: [illegible]	Operator: TP Operator: [illegible]	Operator: [illegible] Operator: TP	Operator: TP Operator: [illegible]

6.[2] Comments:

ATTACHMENT 3
Page 3 of 3

6.[6] Date: From 11-24-14 to 11-30-14

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
THOMAS VIGIL		236382	TV	11/24/14
Joshua Lopez		116598	JL	11/24/14
THOMAS VIGIL		236382	TV	11/25/14
Joshua Lopez		116598	JL	11/24/14
THOMAS VIGIL		236382	TV	11/26/14
Joshua Lopez		116598	JL	11/26/14
THOMAS VIGIL		236382	TV	11/27/14
Joshua Lopez		116598	JL	11/27/14
Pancho Miera		235765	PM	11-28-14
Leon Montoya		191526	LM	11/28/14
Elia J. Cordova		114188	EC	11-29-14
Pancho Miera		235765	PM	11-29-14
Pancho Miera		235765	PM	11-30-14
Leon Montoya		191526	LM	11/30/14

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 11·24·14 to 11·30·14

	Monday 6.[6] Start Time: 1047	Tuesday 6.[6] Start Time: 1020	Wednesday 6.[6] Start Time: 0848	Thursday 6.[6] Start Time: 0731	Friday 6.[6] Start Time: 0817	Saturday 6.[6] Start Time: 0817	Sunday 6.[6] Start Time: ~~0738~~ 0748
TA-54-375 Cell 2							
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand: Fluke Model: 561 Cal. Due Date: 6/12/15 File Number 101912	Brand: Fluke Model: 561 Cal. Due Date: 6/12/15 File Number 101912	Brand: Fluke Model: 561 Cal. Due Date: 6/12/15 File Number 101912	Brand: Fluke Model: 561 Cal. Due Date: 6/12/15 File Number 101912	Brand: Fluke Model: 561 Cal. Due Date: 6-12-15 File Number 101912	Brand: Fluke Model: 561 Cal. Due Date: 6 12 15 File Number 101912	Brand: Fluke Model: 561 Cal. Due Date: 6-12-15 File Number 101912
Ambient Temperature (6.[7])	54.6 °F	52.7 °F	52.1 °F	51.4 °F	52.8 °F	53.0 °F	56.3 °F
Container ID #	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])
LASB02198	52.6	50.9	50.3	50.9	53.3	53.5	58.1
68638	55.0	52.6	51.6	52.0	54.3	53.1	57.1
69615	55.4	53.4	52.7	52.9	53.8	53.9	57.2
69635	55.8	54.0	53.2	53.5	54.3	55.0	58.3
69642	55.7	53.9	52.8	52.6	54.0	54.6	56.9
69630	55.4	53.6	52.5	51.6	53.7	54.0	57.1
69633	55.1	53.6	52.6	53.0	54.3	54.6	57.8
68430	55.8	53.7	53.6	52.1	53.8	54.0	56.2
68631	53.2	53.2	51.7	51.7	53.0	53.5	56.9
69634	52.3	51.5	50.6	50.9	54.2	53.0	56.9
68567	52.4	50.7	51.6	56.8	52.8	52.9	56.7
94227	54.7	52.9	52.3	52.7	53.4	53.6	57.6
LASB50442	54.0	53.3	51.8	52.7	53.8	54.4	58.2
69644	54.3	52.9	52.4	52.8	53.9	54.1	57.7
LASB50443	53.3	52.6	51.6	52.2	53.3	54.1	57.2
69638	54.6	53.4	52.0	52.4	54.3	54.1	58.1

WORKING COPY
Z# 114188
INITIAL EC DATE 11-24-14

ATTACHMENT 4
Page 2 of 3

6.[6] Date: From 11·24·14 to 11·30·14

Container ID #	Monday Temp (°F) (6.[8]/6.[9])	Tuesday Temp (°F) (6.[8]/6.[9])	Wednesday Temp (°F) (6.[8]/6.[9])	Thursday Temp (°F) (6.[8]/6.[9])	Friday Temp (°F) (6.[8]/6.[9])	Saturday Temp (°F) (6.[8]/6.[9])	Sunday Temp (°F) (6.[8]/6.[9])
TA-54-375 Cell 2 (continued)							
68624	54.3	53.2	54.1	53.0	53.8	54.1	57.6
68507	54.0	53.3	52.3	53.6	54.3	55.1	58.5
69568	53.0	50.9	52.6	50.7	53.6	53.5	57.0
69553	51.8	50.5	50.2	50.5	53.1	53.4	56.3
69598	52.0	50.0	50.8	51.1	53.1	53.1	56.7
LASB50559	53.4	51.9	51.6	51.5	53.6	54.5	58.0
69015	55.2	54.0	53.0	53.1	54.7	55.6	58.5
69639	55.4	54.6	53.6	53.6	55.2	55.2	59.1
69637	54.5	53.2	52.3	53.7	54.6	54.3	58.7
Ambient Temperature (6.[12])	53.5 °F	51.6 °F	51.7 °F	51.0 °F	53.8 °F	53.4 °F	55.3 °F
End Time (6.[13])	1055	1026	0855	0736	0824	0821	0756
6.[13]	Operator: [illegible] Operator: [illegible]	Operator: [illegible] Operator: [illegible]	Operator: [illegible] Operator: [illegible]	Operator: [illegible] Operator: [illegible]	Operator: [illegible] Operator: [illegible]	Operator: [illegible] Operator: [illegible]	Operator: [illegible] Operator: [illegible]

6.[2] Comments:

ATTACHMENT 4
Page 3 of 3

6.[6] Date: From 11-24-14 to 11-30-14

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Thomas Vigil		236382		11/24/14
Joshua Lopez		116598		112414
Thomas Vigil		236382		11/25/14
Joshua Lopez		116598		112514
Thomas Vigil		236382		11/26/14
Joshua Lopez		116598		112614
Thomas Vigil		236382		11/27/14
Joshua Lopez		116598		112714
Pancho Miera		235765		11-28-14
Leon Montoya		189526		11/28/14
Eliot J. Cordova		114188		11-29-14
Pancho Miera		235765		11-29-14
Pancho Miera		235765		11-30-14
Leon Montoya		189526		11/30/14

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 11-24-14 to 11-30-14

	Monday 6.[6] Start Time: 1030	Tuesday 6.[6] Start Time: 1008	Wednesday 6.[6] Start Time: 0836	Thursday 6.[6] Start Time: 0720	Friday 6.[6] Start Time: 0801	Saturday 6.[6] Start Time: 0806	Sunday 6.[6] Start Time: 0733
TA-54-375 Cell 3							
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand: Fluke Model: 561 Cal. Due Date: 6/12/15 File Number 101916	Brand: Fluke Model: 561 Cal. Due Date: 6/12/15 File Number 101916	Brand: Fluke Model: 561 Cal. Due Date: 6/12/15 File Number 101916	Brand: Fluke Model: 561 Cal. Due Date: 6/12/15 File Number 101916	Brand: Fluke Model: 561 Cal. Due Date: 6-12-15 File Number 101916	Brand: Fluke Model: 561 Cal. Due Date: 6-12-15 File Number 101916	Brand: Fluke Model: 561 Cal. Due Date: 6-12-15 File Number 101916
Ambient Temperature (6.[7])	52.7 °F	51.7 °F	52.4 °F	50.7 °F	51.9 °F	52.8 °F	53.4 °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	54.7	53.4	53.7	53.3	54.0	54.4	55.8
69645	54.6	53.3	53.5	53.5	54.1	54.6	55.8
94068	54.5	52.8	53.9	52.8	54.1	53.9	55.2
93605	54.0	51.8	52.5	51.9	53.7	53.4	54.8
69548	53.4	52.6	52.5	52.7	53.2	53.3	54.7
69604	53.8	52.3	54.2	53.0	53.6	53.6	54.8
LASB50529	54.1	53.2	53.6	53.2	53.8	54.1	55.3
LASB50418	55.5	53.1	53.6	52.7	53.9	54.1	55.7
69036	55.5	52.3	53.0	52.3	54.0	53.2	54.8
LASB50451	52.5	50.7	52.2	51.6	52.8	53.3	54.8
69559	53.8	51.2	52.2	51.8	53.4	53.5	55.0
LASB50448	52.8	51.2	51.5	51.1	53.0	52.9	54.4
Ambient Temperature (6.[12])	52.4 °F	52.5 °F	52.2 °F	50.9 °F	52.2 °F	53.1 °F	54.2 °F
End Time (6.[13])	1037	1013	0840	0724	0808	0810	0737
6.[13]	Operator: [illegible] Operator: [illegible]	Operator: [illegible] Operator: [illegible]	Operator: [illegible] Operator: [illegible]	Operator: [illegible] Operator: [illegible]	Operator: [illegible] Operator: [illegible]	Operator: [illegible] Operator: [illegible]	Operator: [illegible] Operator: [illegible]

WORKING COPY
Z# 114148
INITIAL [illegible] DATE 11-24-14

ATTACHMENT 5
Page 2 of 2

6.[6] Date: From 11-24-14 to 11-30-14

6.[2] Comments:

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Thomas Vigil		236382	tv	11/24/14
Joshua Lopez		1165988	JL	112414
Thomas Vigil		236382	tv	11/25/14
Joshua Lopez		1165988	JL	112514
Thomas Vigil		236382	tv	11/26/14
Joshua Lopez		1165988	JL	112614
Thomas Vigil		236382	tv	11/27/14
Joshua Lopez		1165988	JL	112714
Pancho Miera		1235765	PM	11-28-14
Lara Montoya		1191526	LM	11/28/14
Eloy D. Cordova		1141887	EC	11-29-14
Pancho Miera		1235765	PM	11-29-14
Pancho Miera		1235765	PM	11-30-14
Lara Montoya		1191526	LM	11/30/14

8.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date

ATTACHMENT 6
Page 1 of 3

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

6.[6] Date: From 11-26-14 to 11-26-14 Location: 375

	Start Time: 6.[6] 0625	Start Time: 6.[6] 0726	Start Time: 6.[6] 0824	Start Time: 6.[6] 0924	Start Time: 6.[6] 1029	Start Time: 6.[6] 1128	Start Time: 6.[6] 1226	Start Time: 6.[6] 1329	Start Time: 6.[6] 1425	Start Time: 6.[6] 1526	Start Time: 6.[6] 1629	Start Time: 6.[6] 1728	Start Time: 6.[6]	Start Time: 6.[6]
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand: Model: Cal. Due Date: File Number: N/A	Brand: Model: Cal. Due Date: File Number: N/A	Brand: Model: Cal. Due Date: File Number: N/A	Brand: Model: Cal. Due Date: File Number: N/A	Brand: Model: Cal. Due Date: File Number: N/A	Brand: Model: Cal. Due Date: File Number: N/A	Brand: Model: Cal. Due Date: File Number: N/A	Brand: Model: Cal. Due Date: File Number: N/A	Brand: Model: Cal. Due Date: File Number: N/A	Brand: Model: Cal. Due Date: File Number: N/A	Brand: Model: Cal. Due Date: File Number: N/A	Brand: Model: Cal. Due Date: File Number: N/A	Brand: Model: Cal. Due Date: File Number:	Brand: Model: Cal. Due Date: File Number:
Ambient Temperature (6.[7])	48.26 °F	48.12 °F	48.97 °F	51.69 °F	52.11 °F	53.2 °F	54.52 °F	55.27 °F	55.83 °F	55.56 °F	54.33 °F	51.83 °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])
68685 T1	50.15	50.14	50.78	53.23	52.76	53.23	54.24	54.87	55.43	55.11	53.91	51.89		
68685 T2	49.39	49.39	50.11	52.66	51.91	52.47	53.44	54.07	54.55	54.32	53.15	51.09		
50522 T4	50.13	50.12	50.62	52.34	52.40	52.79	53.64	54.14	54.63	54.50	53.70	52.17		
50522 T5	49.80	49.75	50.22	52.07	52.18	52.7	53.58	54.13	54.55	54.44	53.59	51.92		

N/A

WORKING COPY
Z# 174927
INITIAL AA DATE 11-26-14

ATTACHMENT 6
Page 2 of 3

6.[6] Date: From 11-26-14 to 11-26-14 Location: 375

Container ID # (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])
							NA						NA	NA
Ambient Temperature (6.[12])	48.22 °F	48.12 °F	49.00	51.74	52.11 °F	53.22	54.52	55.29 °F	55.80 °F	55.55	54.33 °F	51.78 °F	°F	°F
End Time (6.[13])	0629	0726	0825	0925	1029	1129	1227	1330	1426	1527	1629	1729		
6.[13]	Operator: DA Operator: WS	Operator: DA Operator: WS	Operator: DA Operator: WS	Operator: DA Operator: WS	Operator: WS Operator: SC	Operator: DA Operator: WS	Operator: DA Operator: SC	Operator: WS Operator: SC	Operator: DA Operator: WS	Operator: DA Operator: WS	Operator: WS Operator: SC	Operator: WS Operator: SC	Operator: Operator:	Operator: Operator:

ATTACHMENT 6
Page 3 of 3

6.[6] Date: From 11-26-14 to 11-26-14 Location: 375

6.[2] Comments: Did not enter Permacon due to Standing Order Area G 1247 R 5 all temps were taken Data logger Computer in Dome 375

NA

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Jesse Chavez		124570	JC	11-26-14
Chris Carver		206097	CC	11-26-14
Tina Aguirre		612601	TA	11-26-14
William Juarez		201458	WJ	11-26-14

ATTACHMENT 6
Page 1 of 3

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

6.[6] Date: From 11-26-14 to 11-27-14 Location: 375

	Start Time: 6.[6] 1829	Start Time: 6.[6] 1930	Start Time: 6.[6] 2028	Start Time: 6.[6] 2129	Start Time: 6.[6] 2228	Start Time: 6.[6] 2329	Start Time: 6.[6] 0030	Start Time: 6.[6] 0128	Start Time: 6.[6] 0229	Start Time: 6.[6] 0328	Start Time: 6.[6] 0429	Start Time: 6.[6] 0528	Start Time: 6.[6]	Start Time: 6.[6]
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number
Ambient Temperature (6.[7])	51.50 °F	51.62 °F	51.79 °F	51.52 °F	51.24 °F	50.50 °F	50.37 °F	50.51 °F	50.59 °F	50.17 °F	49.46 °F	49.02 °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])
68685 (T1)	52.30	52.61	52.91	52.71	52.59	51.98	51.97	50.62	50.53	50.20	51.49	51.14	N/A	N/A
68685 (T2)	51.44	52.1	52.30	52.11	51.92	51.27	51.24	51.40	51.64	51.25	50.73	50.32		
50522 (T4)	52.37	52.40	52.45	52.35	52.29	51.93	51.88	51.60	52.08	51.78	51.35	51.08		
50522 (T5)	52.11	52.15	52.28	51.98	51.97	51.56	51.52	51.48	51.64	51.35	50.87	50.59		

NO FURTHER ENTRIES

WORKING COPY
Z# 112507
INITIAL LOC DATE 11-26-14

ATTACHMENT 6
Page 2 of 3

6.[6] Date: From 11-26-14 to 11-27-14 Location: 375

Container ID # (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])
Ambient Temperature (6.[12])	51.50 °F	51.62 °F	51.79 °F	51.52 °F	51.24 °F	50.53 °F	50.42 °F	50.51 °F	50.60 °F	50.17 °F	49.46 °F	49.02 °F	°F	°F
End Time (6.[13])	1829	1931	2029	2130	2229	2329	0030	0129	0230	0329	0429	0529		
6.[13]	Operator: TR Operator: WJC	Operator: DB Operator: TR	Operator: DB Operator: TR	Operator: DB Operator: TR	Operator: DB Operator: TR	Operator: TR Operator: WJC	Operator: TR Operator: WJC	Operator: DB Operator: TR	Operator: DB Operator: WJC	Operator: DB Operator: WJC	Operator: DB Operator: TR	Operator: DB Operator: TR	Operator: N Operator:	Operator: A Operator:

N/A

ATTACHMENT 6
Page 3 of 3

6.[6] Date: From 11-26-14 to 11-27-14 Location: _____

6.[2] Comments: Did Not Enter permacon per Standing order 1247 R.5. All temps are taken from Data logger in control room inside Dome 375

6.[7] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Tammy Barela	Tammy Barela	1111174	[illegible]	11-27-14
Willie J. Cordova	[illegible]	1112917	LQC	11-27-14
Timmy Romero	Timmy Romero	234253	TR	11-27-14
	/	/	/	/
	/	/	/	/
	/ N/A	/	/	/
	/	/	/	/
	/	/	/	/

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

8.1[2] Reviewed by:

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

ATTACHMENT 6
Page 1 of 3

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

6.[6] Date: From 11-27-14 to 11-27-14 Location: 375

	Start Time: 6.[6] 0626	Start Time: 6.[6] 0725	Start Time: 6.[6] 0827	Start Time: 6.[6] 0924	Start Time: 6.[6] 1027	Start Time: 6.[6] 1124	Start Time: 6.[6] 1222	Start Time: 6.[6] 1322	Start Time: 6.[6] 1229	Start Time: 6.[6] 1523	Start Time: 6.[6] 1624	Start Time: 6.[6] 1726	Start Time: 6.[6]	Start Time: 6.[6]
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number
Ambient Temperature (6.[7])	48.89 °F	49.16 °F	50.79 °F	51.76 °F	52.13 °F	54.09 °F	55.60 °F	56.95 °F	58.13 °F	58.19 °F	57.12 °F	51.49 °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])
68685 R1	50.94	51.13	52.59	53.14	52.40	54.02	53.33	56.57	57.65	57.84	56.77	54.41		
68685 R2	50.22	50.38	52.00	52.35	51.71	53.33	54.60	55.79	56.87	57.04	55.96	53.50		
50522 R4	50.94	51.01	52.05	52.70	52.26	53.48	54.54	55.54	56.05	56.72	56.00	54.27		
50522 R5	50.42	50.54	51.69	52.41	52.16	53.39	54.51	55.51	56.43	56.64	55.89	54.03		

N/A

WORKING COPY
Z# 191526
INITIAL [illegible] DATE 11/27/14

ATTACHMENT 6
Page 2 of 3

6.[6] Date: From 11-27-14 to 11-27-14 Location: 375

Container ID # (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])
Ambient Temperature (6.[12])	48.89 °F	49.18 °F	50.86 °F	51.74 °F	52.13 °F	54.09 °F	55.60 °F	56.95 °F	58.1 °F	58.14 °F	57.09 °F	54.44 °F	____ °F	____ °F
End Time (6.[13])	0628	0727	0829	0925	1028	1125	1223	1323	1430	1524	1625	1727		
6.[13]	Operator: DA Operator: LM	Operator: LM Operator:	Operator: LM Operator:	Operator: LM Operator:	Operator: LM Operator:	Operator: LM Operator:	Operator: LM Operator:	Operator: LM Operator:	Operator: LM Operator:	Operator: LM Operator:	Operator: LM Operator:	Operator: LM Operator:	Operator: Operator:	Operator: Operator:

ATTACHMENT 6
Page 3 of 3

6.[6] Date: From 11-27-14 to 11-27-14 Location: 375

6.[2] Comments: Did NOT Enter Permanent Log TO standing order Area G 1247 R: 5. all Temps were Taken Data Logged computer in Room 375.

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Tina Aguirre	[signature]	[illegible]		11-27-14
Joshua Cooper	[signature]	116528	JC	11/27/14
Juan Montoya	[signature]	191526	[illegible]	11/27/14

8.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date

ATTACHMENT 6
Page 1 of 3

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

6.[6] Date: From 11/27/14 to 11/28/14 Location: 375

	Start Time: 6.[6] 1825	Start Time: 6.[6] 1925	Start Time: 6.[6] 2032	Start Time: 6.[6] 2127	Start Time: 6.[6] 2228	Start Time: 6.[6] 2333	Start Time: 6.[6] 0029	Start Time: 6.[6] 0131	Start Time: 6.[6] 0230	Start Time: 6.[6] 0330	Start Time: 6.[6] 0428	Start Time: 6.[6] 0529	Start Time: 6.[6] N/A	Start Time: 6.[6]
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number
Ambient Temperature (6.[7])	51.61 °F	51.45 °F	52.23 °F	52.14 °F	52.03 °F	52.13 °F	51.16 °F	50.58 °F	50.70 °F	50.63 °F	50.77 °F	50.22 °F	N/A °F	N/A °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])
68685 (T1)	52.20	52.13	52.84	52.80	52.91	52.99	52.07	51.83	51.93	52.01	52.29	52.12		
68685 (T2)	51.42 ~~52.49~~	51.35	52.37	52.50	52.72	52.46	51.42	50.99	51.07	51.31	51.61	51.40		
50522 (T4)	52.51	52.48	52.74	52.82	52.91	52.69	52.12	51.98	51.99	51.99	52.13	52.0		
50522 (T5)	52.33	52.21	52.52	52.50	52.49	52.49	51.9	51.72	51.74	51.74	51.87	51.62		
						N/A								

WORKING COPY
Z# 191526
INITIAL [signature] DATE 11/22/14

ATTACHMENT 6
Page 2 of 3

6.[6] Date: From 11-27-14 to 11-28-14 Location: 375

Container ID # (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])
						N/A							N/A	
Ambient Temperature (6.[12])	51.61 °F	51.48 °F	52.3 °F	52.14 °F	52.02 °F	52.13 °F	51.16 °F	50.53 °F	50.70 °F	50.67 °F	50.77 °F	50.22 °F	°F	°F
End Time (6.[13])	1825	1926	2033	2128	2228	2334	0030	0132	0230	0330 ~~0429~~	0429	0530		
6 [13]	Operator: LDR Operator: [illegible]	Operator: LQC Operator: TR	Operator: LQC Operator: [illegible]	Operator: LDR Operator: [illegible]	Operator: LDR Operator: TR	Operator: LDR Operator: TR	Operator: LQC Operator: [illegible]	Operator: LQC Operator: [illegible]	Operator: LQC Operator: TR	Operator: LQC Operator: TR	Operator: [illegible] Operator: LDR	Operator: [illegible] Operator: LDR	Operator: Operator:	Operator: Operator:

ATTACHMENT 6
Page 3 of 3

6.[6] Date: From 11-27-14 to 11-28-14 Location: 375

6.[2] Comments: Did not enter Permacon due to Standing Order EWMO-Area G-SO-1247, R.2, Temps are taken from Control Room. In dome 375. Turned over 100 duties to Joaquin Romero 187066 @ 0540

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
William J. Barber		112071	WJB	11-28-14
Timmy Romero		234253	TR	11-28-14
Sonny Barek		114174	SB	11-28-14

ATTACHMENT 6
Page 1 of 3

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

6.[6] Date: From 11-28-14 to 11-28-14 Location: Dome 375 Cell 1

	Start Time: 6.[6] 0638	Start Time: 6.[6] 0727	Start Time: 6.[6] 0831	Start Time: 6.[6] 0930	Start Time: 6.[6] 1030	Start Time: 6.[6] 1129	Start Time: 6.[6] 1230	Start Time: 6.[6] 1329	Start Time: 6.[6] 1428	Start Time: 6.[6] 1528	Start Time: 6.[6] 1628	Start Time: 6.[6] 1725	Start Time: 6.[6]	Start Time: 6.[6]
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand: Model: Cal. Due Date: NA File Number	Brand: Model: Cal. Due Date: NA File Number	Brand: Model: Cal. Due Date: NA File Number	Brand: Model: Cal. Due Date: NA File Number	Brand: Model: Cal. Due Date: NA File Number	Brand: Model: Cal. Due Date: NA File Number	Brand: Model: NA Cal. Due Date: File Number	Brand: Model: NA Cal. Due Date: File Number	Brand: Model: NA Cal. Due Date: File Number	Brand: Model: NA Cal. Due Date: File Number	Brand: Model: NA Cal. Due Date: File Number	Brand: Model: NA Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number
Ambient Temperature (6.[7])	50.16 °F	49.95 °F	50.98 °F	51.8 °F	52.21 °F	53.74 °F	55.59 °F	56.83 °F	57.89 °F	57.94 °F	56.85 °F	54.27 °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])
686855	51.96	51.87	52.67	52.89	52.37	53.6	55.24	56.42	57.39	57.48	56.41	54.13		
686855 T2	51.13	51.09	52.01	52.03	51.66	52.92	54.53	55.63	56.60	56.65	55.61	53.35		
50522 T4	51.8	51.75	52.29	52.71	52.38	53.3	54.6	55.51	56.39	56.54	55.84	54.15		
50522 T5	51.52	51.38	51.97	52.45	52.29	53.27	54.6	55.54	56.36	56.50	55.76	53.96		

NA

WORKING COPY
Z# 114188
INITIAL EC DATE 11-28-14

ATTACHMENT 6

Page 2 of 3

6.[6] Date: From 11-28-14 to 11-28-14 Location: Dome 375 Cell 1

Container ID # (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])
Ambient Temperature (6.[12])	50.16 °F	49.95 °F	51.01 °F	51.02 °F	52.21 °F	53.79 °F	55.59 °F	56.88 °F	57.89 °F	57.95 °F	56.84 °F	54.20 °F	°F	°F
End Time (6.[13])	0638	0728	0832	0931	1031	1130	1231	1330	1429	1529	1629	1726		
6.[13]	Operator: LM Operator: [illegible]	Operator: [illegible] Operator: [illegible]	Operator: EC Operator: JR	Operator: LM Operator: [illegible]	Operator: LM Operator: EC	Operator: LM Operator: EC	Operator: LM Operator: EC	Operator: JR Operator: EC	Operator: JR Operator: EC	Operator: JR Operator: EC	Operator: JR Operator: EC	Operator: JR Operator: EC	Operator: Operator:	Operator: Operator:

N/A

ATTACHMENT 6
Page 3 of 3

6.[6] Date: From 11-28-14 to 11-28-14 Location: Dome 375 cell 1

6.[2] Comments: Due to SO-1247 R.2, unable to enter Dome 375 Permacons (cells) 1, 2, 3. Temps. taken from computer in Control Room. Per MS 235765

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Luis Montoya		118526		11/28/14
Pancho Mieres	PMS	235765	TT	11-28-14
Jackie Romero	Jackie Romero	187066	JR	11-28-14
Elof Gordon		114188	SC	11-28-14

Operator (print)	Signature	Z#	Initials	Date

8.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date

ATTACHMENT 6
Page 1 of 3

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

6.[6] Date: From 112814 to 112914 Location: 375

	Start Time: 6.[6] 1828	Start Time: 6.[6] 1931	Start Time: 6.[6] 2029	Start Time: 6.[6] 2130	Start Time: 6.[6] 2230	Start Time: 6.[6] 2328	Start Time: 6.[6] 0028	Start Time: 6.[6] 0136	Start Time: 6.[6] 0234	Start Time: 6.[6] 0330	Start Time: 6.[6] 0429	Start Time: 6.[6] 0530	Start Time: 6.[6]	Start Time: 6.[6]
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number
Ambient Temperature (6.[7])	51.9 °F	51.29 °F	51.49 °F	52.07 °F	51.42 °F	51.72 °F	51.98 °F	52.06 °F	51.45 °F	50.87 °F	50.63 °F	50.7 °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])
68685	52.11	51.91	52.42	52.95	52.37	52.61	53.09	53.14	52.43	52.09	52.03	52.27		
68685	51.46	51.2	51.64	52.39	51.84	52.11	52.55	52.65	51.88	51.53	51.42	51.56		
50522	52.46	52.39	52.67	52.8	52.42	52.64	52.88	52.92	52.34	52.09	52.03	52.15	N	
50522	52.25	52.13	52.37	52.59	52.19	52.46	52.62	52.73	52.12	51.89	51.81	51.91		A

N A

WORKING COPY
Z# 114188
INITIAL LC DATE 11-28-14

ATTACHMENT 6
Page 2 of 3

6.[6] Date: From 11 28 14 to 11 29 14 Location: 375

Container ID # (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])
								N		A				
Ambient Temperature (6.[12])	51.9 °F	51.23 °F	51.49 °F	52.07 °F	51.47 °F	51.36 °F	52.03 °F	52.06 °F	51.45 °F	50.9 °F	50.66 °F	50.69 °F	°F	°F
End Time (6.[13])	1829	1932	2029	2131	2230	2329	0030	0137	0235	0331	0430	0531		A
6.[13]	Operator: DS Operator: GE	Operator: GE Operator: LOJC	Operator: LOJC Operator: DS	Operator: LOJC Operator: DS	Operator: DS Operator: DS	Operator: DS Operator: LOJC	Operator: DS Operator: LOJC	Operator: CV Operator: GE	Operator: CV Operator: GE	Operator: CV Operator: GE	Operator: CV Operator: GE	Operator: CV Operator: GE	Operator: N Operator:	Operator: Operator:

ATTACHMENT 6
Page 3 of 3

6.[6] Date: From 112914 to 112914 Location: 375 231

6.[2] Comments:

DID NOT enter permacon due to standing order AREA-G 1247 R.2 R.5 11-29-14
All Temps were taken on computer in Dome 375

6.[7] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Sammy Borek	Sammy Borek	114474		11-29-14
Willie J. Gordon		116847		11-29-14
Chris Vigil		163082 ~~163082~~		11-29-14
Gerald Espinoza		120976		112914

Operator (print)	Signature	Z#	Initials	Date

8.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date

ATTACHMENT 6
Page 1 of 3

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

6.[6] Date: From 11-29-14 to 11-29-14 Location: Dome 375

	Start Time: 6.[6] 0630	Start Time: 6.[6] 0732	Start Time: 6.[6] 0829	Start Time: 6.[6] 0930	Start Time: 6.[6] 1032	Start Time: 6.[6] 1130	Start Time: 6.[6] 1231	Start Time: 6.[6] 1328	Start Time: 6.[6] 1432	Start Time: 6.[6] 1530	Start Time: 6.[6] 1629	Start Time: 6.[6] 1730	Start Time: 6.[6]	Start Time: 6.[6]
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: NA Cal. Due Date: File Number	Brand: Model: NA Cal. Due Date: File Number	Brand: Model: NA Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: NA File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: NA Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number
Ambient Temperature (6.[7])	50.2 °F	50.28 °F	51.41 °F	52.70 °F	54.74 °F	56.23 °F	5233 °F	56.80 °F	59.77 °F	59.91 °F	5201 °F	55.58 °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])
68685 1	51.95	52.02	52.98	53.37	55.0	55.94	56.92	58.28	59.25	59.56	58.69	55.53		
68685 2	51.16	51.33	52.31	53.05	54.22	55.23	56.18	57.81	58.84	58.7	57.89	54.67		
50522 4	51.91	51.94	52.71	53.02	54.45	55.24	56.05	57.08	58.04	58.41	57.80	55.43		
50522 5	51.63	51.62	52.42	52.90	54.35	55.21	56.03	56.78	58.0	58.29	57.68	55.14		

WORKING COPY
Z# 187064
INITIAL JK DATE 11-29-14

ATTACHMENT 6
Page 2 of 3

6.[6] Date: From 11-29-14 to 11-29-14 Location: Dome 375

Container ID # (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])
Ambient Temperature (6.[12])	50.2 °F	50.28 °F	51.41 °F	52.83 °F	54.74 °F	55.23 °F	56.37 °F	56.80 °F	59.77 °F	59.91 °F	59.01 °F	55.58 °F	°F	°F
End Time (6.[13])	0631	0733	0830	0931	1032	11:31	1232	1328	1432	~~1530~~ 1530	1629	1731		
6.[13]	Operator: Lm Operator: TP	Operator: TP Operator: Lm	Operator: JR Operator: TP	Operator: JR Operator: TP	Operator: TP Operator: Lm	Operator: Lm Operator: TP	Operator: Lm Operator: TP	Operator: TP Operator: Lm	Operator: TP Operator: Lm	Operator: TP Operator: Lm	Operator: Lm Operator: TP	Operator: Lm Operator: TP	Operator: Operator:	Operator: Operator:

ATTACHMENT 6
Page 3 of 3

6.[6] Date: From 11-29-14 to 11-29-14 Location: Dome 375

6.[2] Comments: Due to SO-1247, unable to enter Dome 375 Permacon (Cells 1, 2, 3); Temps. are obtained at the Control Room in Dome 375.

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Leon Montoya		189586		11/29/14
Pancho Mora	PMS	125765	JT	11-29-14
Jackie Romero	Jackie Romero	1187066	JR	11-29-14
Eloy J. Loiza		1141881	EL	11-29-14

N/A

Operator (print)	Signature	Z#	Initials	Date

N/A

8.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date

ATTACHMENT 6
Page 1 of 3

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

6.[6] Date: From 11-29-14 to 11-30-14 Location: Dome 375 cell 1

	Start Time: 6.[6] 1826	Start Time: 6.[6] 1925	Start Time: 6.[6] 2026	Start Time: 6.[6] 2127	Start Time: 6.[6] 2226	Start Time: 6.[6] 2325	Start Time: 6.[6] 0026	Start Time: 6.[6] 0128	Start Time: 6.[6] 0224	Start Time: 6.[6] 0325	Start Time: 6.[6] 0426	Start Time: 6.[6] 0525	Start Time: 6.[6]	Start Time: 6.[6]
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number
Ambient Temperature (6.[7])	53.05 °F	51.86 °F	51.72	52.64 °F	51.86 °F	51.07 °F	52.19 °F	52.27	50.69	51.9 °F	52.07 °F	50.7 °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])
68685 T_1	53.14	52.04	52.4	53.46	52.57	52.03	53.29	53.08	51.68	52.95	52.88	51.73		
68685 T_2	52.44	51.68	51.73	53.09	52.27	51.38	52.77	52.73	51.02	52.3	52.58	51.05		
50522 T_4	53.05	52.59	52.9	53.46	52.77	52.55	53.31	53.08	52.2	53.01	52.89	52.27		
50522 T_5	53.29	52.42	52.61	53.26	52.54	52.24	53.05	52.85	52.	52.8	52.67	51.94		

WORKING COPY
Z# 141888
INITIAL EC DATE 11-29-14

ATTACHMENT 6
Page 2 of 3

6.[6] Date: From 11-29-14 to 11-30-14 Location: Dome 375 Cell 1

Container ID # (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])
Ambient Temperature (6.[12])	53.6 °F	56.9 °F	51.7 °F	52.6 °F	52.3 °F	51.0 °F	52.9 °F 00:[illegible] 113014	52.3 °F	50.9 °F	51.8 °F	52.1 °F	50.7 °F	°F	°F
End Time (6.[13])	1827	1926	2027	2128	2227	2326	0027	0129	0225	0326	0426	0529		
6.[13]	Operator: DA Operator: [illegible]	Operator: DA Operator: [illegible]	Operator: DA Operator: [illegible]	Operator: DA Operator: [illegible]	Operator: DA Operator: [illegible]	Operator: DA Operator: [illegible]	Operator: DA Operator: [illegible]	Operator: DA Operator: [illegible]	Operator: DA Operator: [illegible]	Operator: DA Operator: [illegible]	Operator: DA Operator: [illegible]	Operator: DA Operator: [illegible]	Operator: Operator:	Operator: Operator:

ATTACHMENT 6
Page 3 of 3

6.[6] Date: From 11-29-14 to 11-30-14 Location: Dome 375 Cell 1

6.[2] Comments: Did not enter Permacon due to Standing Order 1247 & all Temps were taken Data Logger Computer in Dome 375

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Tina Aguirre	[signature]	174977	AA	11-30-14
Joshua Lopez	[signature]	116578	[initials]	11/30/14
	/		/	/
	/		/	/
	/		/	/
	/		/	/
	/		/	/
	/		/	/
	/		/	/
	/		/	/
	/		/	/
	/		/	/
	/		/	/
	/		/	/
	/		/	/
	/		/	/

8.1[2] Reviewed by:

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

ATTACHMENT 6
Page 1 of 3

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

6.[6] Date: From 11-30-14 to 11-30-14 Location: Dome 375 Cell 1

	Start Time: 6.[6] 0631	Start Time: 6.[6] 0727	Start Time: 6.[6] 0832	Start Time: 6.[6] 0927	Start Time: 6.[6] 1030	Start Time: 6.[6] 1131	Start Time: 6.[6] 1226	Start Time: 6.[6] 1328	Start Time: 6.[6] 1429	Start Time: 6.[6] 1528	Start Time: 6.[6] 1624	Start Time: 6.[6] 1728	Start Time: 6.[6]	Start Time: 6.[6]
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand: Model: Cal. Due Date: N/A File Number:	Brand: Model: Cal. Due Date: N/A File Number:	Brand: Model: Cal. Due Date: N/A File Number:	Brand: Model: Cal. Due Date: N/A File Number:	Brand: Model: Cal. Due Date: N/A File Number:	Brand: Model: Cal. Due Date: N/A File Number:	Brand: Model: Cal. Due Date: N/A File Number:	Brand: Model: Cal. Due Date: N/A File Number:	Brand: Model: Cal. Due Date: N/A File Number:	Brand: Model: Cal. Due Date: N/A File Number:	Brand: Model: Cal. Due Date: N/A File Number:	Brand: Model: Cal. Due Date: N/A File Number:	Brand: Model: Cal. Due Date: File Number:	Brand: Model: Cal. Due Date: File Number:
Ambient Temperature (6.[7])	51.67 °F	52.05 °F	51.49 °F	51.79 °F	53.52 °F	55.38 °F	56.31 °F	56.57 °F	57.26 °F	56.87 °F	55.5 °F	53.26 °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])
68685 (T1)	52.86	52.90	52.10	52.02	53.32	55.15	56.14	56.50	57.14	56.75	55.47	53.39		
68685 (T2)	52.28	52.56	51.40	51.38	52.79	54.48	55.43	55.81	56.46	56.05	54.8	52.73		
50522 (T4)	52.97	52.85	52.36	52.29	53.22	54.57	55.48	55.81	56.35	56.14	55.23	53.66		
50522 (T5)	52.71	52.64	52.25	52.20	53.26	54.59	55.43	55.75	56.24	56.04	55.05	53.45		
					N	A							N	A

WORKING COPY
Z# 114188
INITIAL EC DATE 11-30-14

ATTACHMENT 6
Page 2 of 3

6.[6] Date: From 11-30-14 to 11-30-14 Location: Dome 375 Cell 1

Container ID # (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])
Ambient Temperature (6.[12])	51.67 °F	52.05 °F	51.52 °F	51.79 °F	53.54 °F	55.38 °F	56.33 °F	56.57 °F	57.24 °F	56.87 °F	55.5 °F	53.26 °F	°F	°F
End Time (6.[13])	0631	0727	0834	0928	1031	11:32	1227	1329	1430	1529	1630	1728	N A	
6.[13]	Operator: TT Operator: LM	Operator: TT Operator: LM	Operator: TT Operator: LM	Operator: TT Operator: LM	Operator: LM Operator: TT	Operator: LM Operator: TT	Operator: TT Operator: LM	Operator: TT Operator: LM	Operator: LM Operator: TT	Operator: LM Operator: TT	Operator: LM Operator: TT	Operator: TT Operator: LM	Operator: Operator:	Operator: Operator:

N
A

ATTACHMENT 6
Page 3 of 3

6.[6] Date: From 11-30-14 to 11-30-14 Location: Dome 375 Cell 1

6.[2] Comments: Unable to Enter Dome 375 Permacon Cell 1, Due to SO-1247R2 Temps. are obtained at the Control Room with the Computer Data Logger. I-2 MS 235765. Leon Montoya 191526

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Leon Montoya		191526	LC	11/30/14
Eloy D. Galvan		111481	EG	11/30/14
Pancho Miera	I-2 MS	235765	TM	11-30-14
Gerald Espinoza		120576	GE	11 30 14

ATTACHMENT 6
Page 1 of 3

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

6.[6] Date: From 11-30-14 to 12-1-14 Location: 375

	Start Time: 6.[6] 1827	Start Time: 6.[6] 1930	Start Time: 6.[6] 2029	Start Time: 6.[6] 2130	Start Time: 6.[6] 2228	Start Time: 6.[6] 2328	Start Time: 6.[6] 0029	Start Time: 6.[6] 0127	Start Time: 6.[6] 0228	Start Time: 6.[6] 0330	Start Time: 6.[6] 0429	Start Time: 6.[6] 0527	Start Time: 6.[6]	Start Time: 6.[6]
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand / Model NA / Cal. Due Date / File Number	Brand / Model NA / Cal. Due Date / File Number	Brand / Model NA / Cal. Due Date / File Number	Brand / Model NA / Cal. Due Date / File Number	Brand / Model NA / Cal. Due Date / File Number	Brand / Model NA / Cal. Due Date / File Number	Brand / Model NA / Cal. Due Date / File Number	Brand / Model NA / Cal. Due Date / File Number	Brand / Model NA / Cal. Due Date / File Number	Brand / Model NA / Cal. Due Date / File Number	Brand / Model NA / Cal. Due Date / File Number	Brand / Model NA / Cal. Due Date / File Number	Brand / Model / Cal. Due Date / File Number	Brand / Model / Cal. Due Date / File Number
Ambient Temperature (6.[7])	52.62 °F	51.86 °F	51.57 °F	52.14 °F	51.22 °F	50.76 °F	51.26 °F	51.32 °F	51.34 °F	51.28 °F	51.15 °F	50.56 °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])
TG) 68685	53.23	51.62	52.42	52.9	52.06	51.93	52.42	52.52	52.52	52.46	52.37	51.84		
TG) 68685	52.82	50.99	51.70	52.38	51.05	51.10	51.83	51.94	51.98	51.91	51.84	51.16	NA	NA
TG) 50522	53.24	52.26	52.75	52.88	52.37	52.28	52.54	52.55	52.5	52.44	52.40	52.07		
TG) 50522	53.09	52.06	52.51	52.75	52.18	52.05	52.36	52.37	52.33	52.27	52.20	51.87		

N/A

WORKING COPY
Z# 114158
INITIAL EC DATE 11-30-14

ATTACHMENT 6
Page 2 of 3

6.[6] Date: From 11-30-14 to 12-1-14 Location: 375

Container ID # (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])
						N/A							NA		NA
Ambient Temperature (6.[12])	52.67 °F	51.05 °F	51.52 °F	52.15 °F	51.22 °F	50.68 °F	51.23 °F	TR ~~0~~ 51.30 12-1-14	51.34 °F	51.27 °F	51.15 °F	50.61 °F	°F	°F
End Time (6.[13])	1828	1930	2030	2131	2229	2328	0030	0128	0229	0330	0430	0527		
6.[13]	Operator: LQC Operator: TR	Operator: TR Operator: LQC	Operator: TR Operator: LQC	Operator: LQC Operator: TR	Operator: LQC Operator: TR	Operator: TR Operator: LQC	Operator: TR Operator: LQC	Operator: TR Operator: LQC	Operator: LQC Operator: TR	Operator: TR Operator: LQC	Operator: TR Operator: LQC	Operator: LQC Operator: TR	Operator: Operator:	Operator: Operator:

ATTACHMENT 6
Page 3 of 3

6.[6] Date: From 11-30-14 to 12-1-14 Location: 375

6.[2] Comments: Unable to enter Dome 375 Permacon Cell 1 due to standing order 1247.R2. Temps are obtained in Dome 375 Control Room from Data Logger. [illegible] 112307

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Willie J. Cordova	[illegible]	111307	WJC	11-30-14
Jimmy Romero	[illegible]	234253	TRJ	12-1-14
	/	/	/	/
	/	/	/	/
	/	/	/	/
	/	/	/	/
	/	/	/	/
	/	/	/	/
	/	/	/	/

N A

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

N A

8.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date
Gary Mally	[illegible]	226235	GM	12-1-14