From: Haagenstad, Mark P
Sent: Tuesday, October 14, 2014 4:44 PM
To: Ryan.Flynn@state.nm.us; Jeff.Kendall@state.nm.us; tom.blaine@state.nm.us; John Kieling; steve.pullen@state.nm.us; Kliphuis, Trais, NMENV; Timothy.Hall@state.nm.us; siona.briley@state.nm.us; ricardo.maestas@state.nm.us; Gregory.Lauer@state.nm.us; steve.holmes@state.nm.us; coleman.smith@state.nm.us
Cc: Pete Maggiore; Silas DeRoma; Cummings, Lisa K; Nickless, David J; Bishop, M. Lee; Turner, Gene E; Armijo, Karen (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
Subject: Daily Technical Submission - October 14, 2014

Attached is the written daily technical submission for today. The Permittees are submitting the attached information pursuant to: Section 19 of the May 19, 2014, *Administrative Order;* the July 10, 2014 letter from NMED regarding *Modification to May 19, 2014, Administrative Order*; and Section IX of the September 19, 2014, *LANL Nitrate Salt-Bearing Waste Container Isolation Plan, Revision 2*.

Please contact me if additional information would be helpful. Thank you.

Mark Haagenstad
Environmental Protection Division
Compliance and Permitting Group
Los Alamos National Laboratory
Office: (505) 665-2014
Mobile: (505) 699-1733

NMED / LANL Technical Summary

October 14, 2014

LANL Technical Update:

- **Location of Nitrate Salt-Bearing Wastes**
  - 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.
      - October 14, 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.
      - To date in October, LANL has conducted HSG sampling on 37 SWBs.
      - Note: LANL previously conducted HSG sampling on each of the 55 SWBs that contain 55-gallon drums of remediated nitrate salt-bearing waste (under Section I of the Isolation Plan).
- **Additional measures currently underway**
  - As a conservative measure, LANL is currently conducting additional monitoring. This additional monitoring includes:
    - Containers (SWB) 68685 and SB50522.
      - LANL continuing *solid phase micro-extraction*.
      - Hourly temperature measurements are currently being performed on SWB 68685 and SB50522.
    - Five (5) other SWB overpacks (containing 55-gallon drums of remediated nitrate salt-bearing waste).
      - Continue twice-weekly HSG sample collection.
        - October 13, 2014 HSG data attached.

- **Anticipated Changes to Nitrate Salt-Bearing Waste Containers (e.g. movement, re-packaging).**
    - Currently, no further movements or re-packaging are planned.
- **Other:**
    - The technical call for Tuesday, October 14, 2014 was canceled due to a scheduled meeting with the NMED. The next call is scheduled for Thursday October, 16, 2014.

Summary Chart - Requested Information / Pending Issues:

	Requested Information	Actionee	Status	Completion Date
1.	NMED contact / process for LANL to notify NMED under the Revised Isolation Plan (e.g., 24 hour notices).	NMED	---	Complete June 5, 2014
2.	Keep NMED informed on the status of 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	In progress – remaining are portions of item 5	Partially Complete July 9, 2014 (Letter sent addressing items 1-4 and 6-9 of the email request) July 17, 2014 (Letter sent with updated spreadsheet) August 7, 2014 (First submittal in response to item 5) August 14, 2014 (Letter addressing items 2 & 8 - Second submittal in response to item 5) August 18, 2014 (Third submittal in response to item 5) August 21, 2014 (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)
14.	NMED will review the Round Sheets (provided in June 11 summary) and inform LANL if these should be attachments to the Revised Plan, or if they fall under the provision in Section I of the Revised Isolation Plan and their identification during this technical call is sufficient.	NMED	NMED has reviewed Round Sheets – no comments / direction at this time. NMED will address any comments in their formal response to Revised Container Isolation Plan.	Complete June 23, 2014

	Requested Information	Actionee	Status	Completion Date
15.	NMED has requested 'copies of any waste processing, treatment, characterization stop orders issued since Feb 14, 2014.'	LANL	---	Complete June 13, 2014 (Included w/ daily summary) June 16, 2014 (Discussed current TA-54 & WCRRF operations)
16.	NMED requested information on the location of drums 68327 and 68328. Request made June 14.	LANL	---	Complete June 14, 2014
17.	Update on LANL efforts – including LANL teams. (On June 20 call, LANL offered to schedule an update meeting).	LANL / NMED	---	Complete July 2, 2014
18.	Neutralizer use in association with container S855793 (parent of 68660 and 68685).	LANL	---	Complete June 25, 2014
19.	List of nitrate salt-bearing waste containers that LANL records indicate contain absorbed liquids with the same neutralizer, as discussed during June 25 technical call.	LANL	---	Complete September 30, 2014 (with August 26, 2014 response)
20.	Schedule follow-on update on LANL efforts – including teams.	LANL / NMED	---	Complete August 14, 2014 (Meeting held)
21.	NMED requested information on document approval / review (as discussed on July 3 call).	LANL	---	Complete July 29, 2014
22.	What analyses will be conducted on samples taken from empty drums that previously contained nitrate salt-bearing waste.	LANL	---	Complete July 7, 2014
23.	NMED requested the following information on cemented waste containers generated from TA-55, that are currently stored above-ground at Area G: container id number; location; form (cans or monoliths); and type of concrete. Additionally, NMED requested information on pH adjustment during waste generation process, and information on anticipated pH of free liquids (and rationale).	LANL	---	Complete July 17, 2014 (Letter sent w/ information) July 18, 2014 (Meeting held)

	Requested Information	Actionee	Status	Completion Date
24.	NMED requested the procedure for sampling empty parent drums that previously contained nitrate salt-bearing waste.	LANL	EP-AREAG-WO-DOP-1245 is included in Enclosure 1 to LANL's July 3, 2014 *Response to Request for Information on Management of Waste at LANL*.	Complete July 8, 2014
25.	NMED requested an additional discussion on a future technical call regarding CO_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	In progress. Currently scheduled for October 20, 2014	

	Requested Information	Actionee	Status	Completion Date
36.	NMED request regarding LANL Causal Analysis associated with processing of nitrate salt-bearing waste at WCRRF – when document is Final.	LANL	Document is currently Draft.	
37.	NMED requested a diagram illustrating the current locations within the 375 Permacon of the 55 SWBs that contain the 57 remediated nitrate salt-bearing waste containers. NMED also requested a list of these 55 SWBs and the waste drums within each SWB (including the container numbers and waste stream type).	LANL	In progress	
38.	NMED requested documentation regarding CIN01.001 waste containers that are not part of the September 19, 2014 Nitrate Salts-Bearing Waste Container Isolation Plan, Revision 2.	LANL	In Progress LANL will submit this documentation in batches as it is becomes available.	Submitted 100 out of 586 RTRs and documentation on October 3, 2014. Submitted Documentation for 101-200 containers October 10, 2014.
39.	NMED requested a diagram of the location of the thermocouples on 68685 and SB50522	LANL	In progress	
40.	NMED requested a copy of the safety basis document for remediation planning when it is finalized.	LANL	Document is currently in Draft.	

Next Call: Thursday, October 16, 2014

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**
10/11/14	120	855	18808	5782								
10/12/14	153	854	19076	5769								
10/13/14	129	914	19498	5956	154	594	20524	2991	98	327	7977	402
10/14/14	141	864	21220	6544								

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**
10/11/14												
10/12/14												
10/13/14	230	918	25254	5484	384	1027	24998	4022	633	996	24868	4966
10/14/14												

Remediated Nitrate Salt Container Headspace Gas Analysis

	SB50522				69417				69445			
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**
10/11/14	4642	324	43829	795								
10/12/14	5046	456	52880	990								
10/13/14	5436	438	54038	1003								
10/14/14	5413	508	54714	1043	3	0	61	0	236	380	5682	392

Remediated Nitrate Salt Container Headspace Gas Analysis

	69520				69620				69641			
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**
10/11/14												
10/12/14												
10/13/14												
10/14/14	91	126	1249	409	331	387	4048	912	436	712	5483	1367

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 10/06/14 to 10/12/14

	Monday 6.[6] Start Time: 1002	Tuesday 6.[6] Start Time: 0905	Wednesday 6.[6] Start Time: 0924	Thursday 6.[6] Start Time: 0918	Friday 6.[6] Start Time: 0845	Saturday 6.[6] Start Time: 0957	Sunday 6.[6] Start Time: 0948 ~~0904~~ EC 10-12-14
TA-54-231							
Calibrated Infrared Thermometer (6.[7])	Brand: Fluke 101974 Model: 561 Cal. Due Date: 7/29/15 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	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	Brand: Fluke Model: 561 Cal. Due Date: 7/29/15 File Number 101974	Brand: Fluke Model: Cal. Due Date: 7/29/15 File Number 101974
Ambient Temperature (6.[9])	58.0 °F	55.5 °F	58.1 °F	60.7 °F	56.0 °F	55.8 °F	~~54.7~~ 57.3 °F EC 10-12-14
Container ID #	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])
S818435	58.5	56.3	59.3	60.0	56.3	55.4	55.7
S802833	58.4	55.8	58.5	59.6	56.4	55.6	54.8
S801676	57.7	55.5	58.1	59.7	56.2	55.1	55.0
S816810	57.5	54.6	57.1	58.4	54.8	54.3	53.8
70069	56.7	54.3	57.0	58.2	54.8	53.8	53.2
S822844	57.5	54.5	57.5	58.1	54.9	54.3	53.7
S825879	57.4	54.6	57.3	58.2	54.6	54.1	53.9
S793724	57.6	54.7	57.6	58.5	54.9	54.1	54.0
S813545	57.1	55.5	57.5	58.6	55.0	54.1	54.0
S822713	58.5	55.7	58.6	~~58~~ 59.5	56.1	55.8	55.0
S802739	58.1	55.4	58.5	59.6	56.1	55.1	54.8
69907	58.0	55.3	58.6	59.4	56.5	55.6	54.6
S804995	58.6	55.9	59.1	59.6	56.6	55.5	55.2
S816434	58.9	56.6	59.5	60.6	57.2	56.2	56.2

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ATTACHMENT 2
Page 2 of 3

6.[6] Date: From 10/06/14 to 10/12/14

Container ID #	Monday Temp (°F) (6.[10]/6.[11])	Tuesday Temp (°F) (6.[10]/6.[11])	Wednesday Temp (°F) (6.[10]/6.[11])	Thursday Temp (°F) (6.[10]/6.[11])	Friday Temp (°F) (6.[10]/6.[11])	Saturday Temp (°F) (6.[10]/6.[11])	Sunday Temp (°F) (6.[10]/6.[11])
TA-54-231 (continued)							
S805289	59.0	56.6	59.4	60.1	57.0	56.3	55.7
S862888	58.6	55.9	59.1	60.0	56.8	55.9	55.1
70072	58.2	55.8	58.5	59.4	56.4	55.2	55.4
S823184	58.8	55.7	58.9	59.6	56.2	55.4	55.3
S822599	58.7	55.6	58.8	59.2	55.9	55.2	55.0
69904	57.3	54.9	57.6	58.5	55.1	54.3	54.0
S805051	~~57.2~~ 57.2	54.4	57.4	58.2	55.1	54.1	53.6
S864213	57.3	54.5	57.8	58.1	55.0	54.2	54.4
S853714	57.6	55.0	57.7	58.5	54.6	54.2	53.8
S803078	58.3	55.1	58.1	58.6	54.7	54.2	54.1
S825878	58.2	55.0	57.8	58.7	55.0	54.4	54.3
S823124	58.0	55.2	58.1	58.8	55.0	54.5	54.4
S804948	59.2	56.1	59.0	59.1	56.3	55.9	55.2
S813385	58.6	56.7	59.3	59.9	56.7	55.7	55.5
S842446	59.8	57.5	60.1	61.5	57.8	56.9	56.7
Ambient Temperature (6.[14])	58.6 °F	56.0 °F	58.9 °F	59.7 °F	55.8 °F	56.4 °F	57.7 °F
End Time (6.[15])	1015	0935	0934	0928	0901	1004	0953
6.[15]	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator: NS	Operator: Operator:	Operator: EC Operator:

ATTACHMENT 2
Page 3 of 3

6.[6] Date: From 10/06/14 to 10/12/14

6.[2] Comments:

6.[19] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Josephine Duran		151971		10/06/14
Thomas Vigil		236382		10/3/14
Alfredo Aguilar		293178		10/7/14
Thomas Vigil		236382		10/7/14
Josephine Duran		151971		10/8/14
Thomas Vigil		236382		10/8/14
Josephine Duran		151971		10/9/14
Thomas Vigil		236382		10/9/14
Pancho Miera		235765		10/10/14
Norman Sanchez		187808		10/10/14
Pancho Miera		235765		10/11/14
Leon Montoya		191526		10/11/14
Eloy Cordova		114188		10/12/14
Leon Montoya		191526		10/12/14

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 10-6-14 to 10-12-14

	Monday 6.[6] Start Time: 1634	Tuesday 6.[6] Start Time: 1012	Wednesday 6.[6] Start Time: 1010	Thursday 6.[6] Start Time: 0958	Friday 6.[6] Start Time: 0915	Saturday 6.[6] Start Time: 0908	Sunday 6.[6] Start Time: 0904
TA-54-375 Cell 1							
Calibrated Infrared Thermometer (6.[7])	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.[9])	69.2 °F	60.7 °F	62.8 °F	59.7 °F	56.3 °F	54.8 °F	54.1 °F
Container ID #	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])
68685	69.9	61.2	61.6	60.1	56.6	55.4	54.9
68540	69.7	59.9	61.9	59.6	56.5	55.4	55.1
68553	69.4	59.9	61.2	59.6	57.1	55.3	54.9
69445	70.1	60.3	61.5	60.8	57.1	55.2	55.0
69618	69.1	60.0	61.4	59.9	57.0	55.2	55.1
69013	68.7	60.1	61.4	60.0	57.7	56.0	55.7
LASB50522	68.3	60.5	62.4	59.8	58.0	57.0	56.5
LASB50452	68.1	60.4	61.4	60.2	57.3	56.3	56.2
LASB50431	67.9	60.1	61.6	60.2	57.5	56.2	55.9
LASB50069	68.7	60.2	61.6	60.3	57.6	56.2	56.0
LASB50073	68.3	60.1	61.6	60.2	58.1	56.3	56.0
69636	68.8	60.1	61.4	60.2	58.0	56.0	55.7
69616	68.4	60.3	61.7	59.9	58.7	57.1	55.9
69417	69.1	60.1	61.6	60.0	58.0	56.4	56.0

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ATTACHMENT 3
Page 2 of 3

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

Container ID #	Monday Temp (°F) (6.[10]/6.[11])	Tuesday Temp (°F) (6.[10]/6.[11])	Wednesday Temp (°F) (6.[10]/6.[11])	Thursday Temp (°F) (6.[10]/6.[11])	Friday Temp (°F) (6.[10]/6.[11])	Saturday Temp (°F) (6.[10]/6.[11])	Sunday Temp (°F) (6.[10]/6.[11])
TA-54-375 Cell 1 (continued)							
69620	68.9	60.4	61.6	60.4	57.6	56.4	56.3
69520	69.4	60.4	61.5	60.5	58.1	56.4	56.3
69641	68.6	60.3	62.0	60.4	58.2	56.7	56.6
69298	68.4	60.5	61.6	60.5	58.0	56.8	56.5
LASB02203	68.5	60.5	62.0	60.4	57.8	56.5	56.3
Ambient Temperature (6.[14])	69.0 °F	61.4 °F	63.2 °F	60.6 °F	56.7 °F	55.0 °F	55.3 °F
End Time (6.[15])	1643	1020	1021	1007	0922	0915	0910
6.[15]	Operator: [signature] Operator: [signature]	Operator: [signature] Operator: [signature]	Operator: [signature] Operator: [signature]	Operator: [signature] Operator: [signature]	Operator: TP Operator: NS	Operator: TP Operator: [signature]	Operator: EC Operator: [signature]

6.[2] Comments: 68685 Thermocouple 70.0 Top; 68.1 Bottom [signature] 169840 10-6-14
68685 Thermal Top: 60.2 Bottom 59.7
68685 Thermal Cuple Top: 62.1° Bottom: 61.4 / 69618 couple west: 60.9° East: 61.2°
68685 Thermal cuple Top: 59.5° Bottom: 59.5° / 50522 couple West: 59.8° East: 59.6
68685 Thermal couple T1 56.47° T2 56.27 / 50522 couple T3 56.95 T4 56.95 TP 235765 10/10/14
68685 Thermal couple T1 55.04 T2 54.71 / 50522 couple T3 55.62 T4 55.62 TP 235765 10/11/14

ATTACHMENT 3
Page 3 of 3

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

6.[19] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Juan Garcia		169840		10-6-14
Joshua Lopez		116598		100614
Thomas Vigil		236382		10/7/14
Joshua Lopez		116598		100714
Thomas Vigil		236382		10/8/14
Joshua Lopez		116598		100814
Josephine Duran		159771		10/9/14
Joshua Lopez		116598		100914
Pancho Miera		235765		10/10/14
Norman Sanchez		187818		10/10/14
Pancho Miera		235765		10/11/14
Leon Montoya		191508		10/11/14
Eloy D. Cordova		114188		10-12-14
Leon Montoya		191526		10/12/14

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 10-6-14 to 10-12-14

	Monday 6.[6] Start Time: 1644	Tuesday 6.[6] Start Time: 1002	Wednesday 6.[6] Start Time: 1622	Thursday 6.[6] Start Time: 1008	Friday 6.[6] Start Time: 0933	Saturday 6.[6] Start Time: 0916	Sunday 6.[6] Start Time: 0911
TA-54-375 Cell 2							
Calibrated Infrared Thermometer (6.[7])	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.[9])	66.7 °F	60.0 °F	61.8 °F	60.8 °F	58.9 °F	57.4 °F	56.4 °F
Container ID #	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])
LASB02198	66.3	58.9	61.0	60.6	58.8	57.6	~~52.1~~ 57.1
68638	66.9	59.0	61.0	60.5	58.9	57.2	56.0
69615	67.7	58.9	61.2	60.3	58.8	57.8	56.6
69635	67.9	59.5	61.6	60.9	59.1	57.7	57.0
69642	68.2	59.3	61.6	60.5	58.8	56.9	56.7
69630	67.5	59.6	61.8	60.5	58.7	57.3	56.9
69633	67.6	59.5	61.7	60.7	58.9	57.5	57.1
68430	66.9	59.3	61.4	60.4	58.8	57.1	56.5
68631	67.4	59.0	61.5	60.2	58.3	57.1	56.8
69634	65.7	59.2	61.4	60.4	58.9	57.6	56.9
68567	65.9	58.9	61.0	60.1	58.5	57.2	57.0
94227	66.5	59.2	61.5	60.3	58.4	57.2	57.1
LASB50442	67.0	60.0	61.6	60.5	58.7	57.6	57.2
69644	66.8	59.6	61.7	60.4	58.9	57.7	57.2
LASB50443	66.8	59.4	61.5	60.0	59.1	57.9	57.3
69638	67.3	59.4	61.4	60.2	59.0	57.6	57.0

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INITIAL WM DATE 10-6-14

ATTACHMENT 4
Page 2 of 3

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

Container ID #	Monday Temp (°F) (6.[10]/6.[11])	Tuesday Temp (°F) (6.[10]/6.[11])	Wednesday Temp (°F) (6.[10]/6.[11])	Thursday Temp (°F) (6.[10]/6.[11])	Friday Temp (°F) (6.[10]/6.[11])	Saturday Temp (°F) (6.[10]/6.[11])	Sunday Temp (°F) (6.[10]/6.[11])
TA-54-375 Cell 2 (continued)							
68624	67.2	59.5	61.6	60.1	59.2	57.4	57.1
68507	66.9	59.5	61.8	61.5	59.8	58.1	57.4
69568	66.3	59.4	61.5	60.4	58.8	58.0	57.0
69553	66.4	59.4	61.4	60.1	58.8	57.5	56.8
69598	65.9	59.3	61.2	60.1	58.8	57.8	57.1
LASB50559	66.3	59.8	62.0	60.5	59.1	58.0	57.4
69015	67.6	60.0	61.9	60.7	59.4	58.1	57.5
69639	67.2	59.7	61.7	60.6	59.4	58.3	58.0
69637	67.5	59.7	61.7	60.3	59.0	57.9	57.4
Ambient Temperature (6.[14])	66.1 °F	60.4 °F	62.4 °F	60.7 °F	58.6 °F	57.9 °F	56.9 °F
End Time (6.[15])	1649	1011	1031	1014	0942	0924	0917
6.[15]	Operator: [illegible] Operator: [illegible]	Operator: [illegible] Operator: [illegible]	Operator: [illegible] Operator: [illegible]	Operator: [illegible] Operator: [illegible]	Operator: [illegible] Operator: NS	Operator: [illegible] Operator: [illegible]	Operator: EC Operator: [illegible]

6.[2] Comments:

ATTACHMENT 4
Page 3 of 3

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

6.[19] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Juan Garcia	Juan Garcia	1698401		10-6-14
Joshua Lopez	Joshua Lopez	1165981		10 06 14
THOMAS VIGIL		236382	tv	10/7/14
Joshua Lopez	Joshua Lopez	1165981		10 07 14
THOMAS VIGIL		236382	tv	10/8/14
Joshua Lopez	Joshua Lopez	1165981		10 08 14
Josephine Duran		1519711		10/09/14
Joshua Lopez	Joshua Lopez	1165981		10 09 14
Pancho Miera		1235765		10/10/14
Herman Sanchez	Herman Sanchez	1898181		10/10/14
Pancho Miera		1235765		10/11/14
Leon Montoya		1191526		10/11/14
Eliot D. Cordova		1141188		10-12-14
Leon Montoya		1191526		10/12/14

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 10-6-14 to 10-12-14

	Monday 6.[6] Start Time: 1628	Tuesday 6.[6] Start Time: 0953	Wednesday 6.[6] Start Time: 0959	Thursday 6.[6] Start Time: 0952	Friday 6.[6] Start Time: 0923	Saturday 6.[6] Start Time: 0902	Sunday 6.[6] Start Time: 0859
TA-54-375 Cell 3							
Calibrated Infrared Thermometer (6.[7])	Brand: FLUKE 10-6-14 Model: 561 ~~10/9/16~~ Cal. Due Date: 6-12-15 File Number 10/9/16	Brand: Fluke Model: 561 Cal. Due Date: 6/12/15 File Number 10/9/16	Brand: Fluke Model: 561 Cal. Due Date: 6/12/15 File Number 10/9/16	Brand: Fluke Model: 561 Cal. Due Date: 6/12/15 File Number 10/9/16	Brand: Fluke Model: 561 Cal. Due Date: 6/12/15 File Number 10/9/16	Brand: Fluke Model: 561 Cal. Due Date: 6/12/15 File Number 10/9/16	Brand: Fluke Model: 561 Cal. Due Date: 6/12/15 File Number 10/9/16
Ambient Temperature (6.[9])	67.5 °F	60.2 °F	61.7 °F	61.0 °F	59.0 °F	58.2 °F	57.6 °F
Container ID #	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])
69519	67.1	60.1	61.6	60.8	59.7	58.2	57.6
69645	67.1	60.3	61.7	61.2	60.3	58.8	57.8
94068	67.5	60.2	62.0	61.4	60.3	59.1	58.4
93605	67.5	60.8	62.2	61.7	60.8	59.2	58.0
69548	67.8	60.4	62.0	61.7	60.7	59.1	58.4
69604	67.6	60.4	62.1	61.7	59.8	59.0	57.8
LASB50529	67.3	60.2	61.7	61.3	59.6	59.3	57.5
LASB50418	67.4	60.1	61.5	61.2	59.4	58.4	58.0
69036	67.8	60.1	61.5	61.1	59.9	58.3	56.8
LASB50451	67.8	60.2	61.8	61.3	60.1	58.8	57.6
69559	68.0	60.3	62.0	61.3	60.2	2/11/14 ~~58.4~~ 58.9	58.8
LASB50448	68.6	60.9	62.1	61.4	60.6	59.1	58.0
Ambient Temperature (6.[14])	67.6 °F	60.8 °F	62.8 °F	61.3 °F	59.7 °F	58.1 °F	57.4 °F
End Time (6.[15])	1633	1000	1007	0958	0931	0907	0903
6.[15]	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator: NS	Operator: Operator:	Operator: SC Operator:

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INITIAL WM DATE 10-1-14

ATTACHMENT 5
Page 2 of 2

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

6.[2] Comments:

6.[19] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Juan Garcia	Juan Garcia	1169840	JG	10-6-14
Joshua Lopez	Joshua Lopez	116598	JL	100614
THOMAS VIGIL	Thomas Vigil	236382	TV	10/7/14
Joshua Lopez	Joshua Lopez	116598	JL	100714
THOMAS VIGIL	Thomas Vigil	236382	TV	10/8/14
Joshua Lopez	Joshua Lopez	116598	JL	100814
Josephine Duran	Josephine Duran	151974	JD	10/9/14
Joshua Lopez	Joshua Lopez	116598	JL	100914
Pancho Miera	Pancho Miera	235765	PM	10/10/14
Norman Sanchez	Norman Sanchez	169818	NS	10/10/14
Pancho Miera	Pancho Miera	235765	PM	10-11-14
Leon Montoya	Leon Montoya	191526	LM	10/11/14
Eloy D. Lozano	Eloy D. Lozano	114188	EL	10-12-14
Leon Montoya	Leon Montoya	191526	LM	10/12/14

8.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date

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 10-13-14 to 10-19-14

	Monday 6.[6] Start Time: 0824	Tuesday 6.[6] Start Time:	Wednesday 6.[6] Start Time:	Thursday 6.[6] Start Time:	Friday 6.[6] Start Time:	Saturday 6.[6] Start Time:	Sunday 6.[6] Start Time:
TA-54-231							
Calibrated Infrared Thermometer (6.[7])	Brand: Fluke Model: 561 Cal. Due Date: 7-29-15 File Number 101974	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number
Ambient Temperature (6.[9])	46.8 °F	°F	°F	°F	°F	°F	°F
Container ID #	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])
S818435	47.2						
S802833	46.5						
S801676	46.7						
S816810	44.5						
70069	43.8						
S822844	44.2						
S825879	44.0						
S793724	44.4						
S813545	44.9						
S822713	46.3						
S802739	46.2						
69907	46.3						
S804995	47.1						
S816434	48.4						

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INITIAL EC DATE 10-13-14

ATTACHMENT 2
Page 2 of 3

6.[6] Date: From 10·13·14 to 10·19·14

Container ID #	Monday Temp (°F) (6.[10]/6.[11])	Tuesday Temp (°F) (6.[10]/6.[11])	Wednesday Temp (°F) (6.[10]/6.[11])	Thursday Temp (°F) (6.[10]/6.[11])	Friday Temp (°F) (6.[10]/6.[11])	Saturday Temp (°F) (6.[10]/6.[11])	Sunday Temp (°F) (6.[10]/6.[11])
TA-54-231 (continued)							
S805289	48.4						
S862888	47.7						
70072	47.1						
S823184	46.9						
S822599	46.1						
69904	45.1						
S805051	44.8						
S864213	45.0						
S853714	44.5						
S803078	44.2						
S825878	44.8						
S823124	45.4						
S804948	47.2						
S813385	47.7						
S842446	49.7						
Ambient Temperature (6.[14])	47.1 °F	°F	°F	°F	°F	°F	°F
End Time (6.[15])	0829						
6.[15]	Operator: JR Operator: [illegible]	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:

ATTACHMENT 2
Page 3 of 3

6.[6] Date: From 10·13·14 to 10·19·14

6.[2] Comments:

6.[19] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Jackie Romero	Jackie Romero	1187066	JR	10-13-14
Elena Gardea	[illegible]	1141188	EG	10·13·14
	/	/	/	/
	/	/	/	/
	/	/	/	/
	/	/	/	/
	/	/	/	/
	/	/	/	/
	/	/	/	/
	/	/	/	/
	/	/	/	/
	/	/	/	/

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 10·13·14 to 10·19·14

	Monday 6.[6] Start Time: 0955	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 (6.[7])	Brand: FLUKE Model: 561 Cal. Due Date: 6-12-15 File Number 101915	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number
Ambient Temperature (6.[9])	54.3 °F	°F	°F	°F	°F	°F	°F
Container ID #	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])
68685	53.8						
68540	54.0						
68553	54.0						
69445	54.1						
69618	54.1						
69013	54.5						
LASB50522	55.2						
LASB50452	54.8						
LASB50431	54.6						
LASB50069	54.9						
LASB50073	55.1						
69636	55.4						
69616	55.1						
69417	55.4						

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Z# 114188
INITIAL EC DATE 10·13·14

ATTACHMENT 3
Page 2 of 3

6.[6] Date: From 10·13·14 to 10·19·14

Container ID #	Monday Temp (°F) (6.[10]/6.[11])	Tuesday Temp (°F) (6.[10]/6.[11])	Wednesday Temp (°F) (6.[10]/6.[11])	Thursday Temp (°F) (6.[10]/6.[11])	Friday Temp (°F) (6.[10]/6.[11])	Saturday Temp (°F) (6.[10]/6.[11])	Sunday Temp (°F) (6.[10]/6.[11])
TA-54-375 Cell 1 (continued)							
69620	55.7						
69520	55.9						
69641	56.2						
69298	56.6						
LASB02203	56.2						
Ambient Temperature (6.[14])	55.4 °F	°F	°F	°F	°F	°F	°F
End Time (6.[15])	1004						
6.[15]	Operator: [signature] Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:

6.[2] Comments:

ATTACHMENT 3
Page 3 of 3

6.[6] Date: From 10·13·14 to 10·19·14

6.[19] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Juan Garcia	Juan Garcia	1169840	JG	10-13-14
Joshua Lopez	Joshua Lopez	1116598	JL	10/13/14

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 10·13·14 to 10·15·14

	Monday 6.[6] Start Time: 1006	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 2							
Calibrated Infrared Thermometer (6.[7])	Brand: FLUKE Model: 561 Cal. Due Date: 6-12-15 File Number 101912	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number
Ambient Temperature (6.[9])	56.3 °F	°F	°F	°F	°F	°F	°F
Container ID #	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])
LASB02198	56.3						
68638	56.0						
69615	56.3						
69635	56.6						
69642	56.0						
69630	56.4						
69633	56.7						
68430	56.0						
68631	10-13-14 ~~56.7~~ 55.7						
69634	56.4						
68567	56.2						
94227	55.9						
LASB50442	56.6						
69644	56.6						
LASB50443	56.4						
69638	56.7						

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Z# 114188
INITIAL EC DATE 10·13·14

ATTACHMENT 4
Page 2 of 3

6.[6] Date: From 10·13·14 to 10·19·14

Container ID #	Monday Temp (°F) (6.[10]/6.[11])	Tuesday Temp (°F) (6.[10]/6.[11])	Wednesday Temp (°F) (6.[10]/6.[11])	Thursday Temp (°F) (6.[10]/6.[11])	Friday Temp (°F) (6.[10]/6.[11])	Saturday Temp (°F) (6.[10]/6.[11])	Sunday Temp (°F) (6.[10]/6.[11])
TA-54-375 Cell 2 (continued)							
68624	56.9						
68507	56.8						
69568	56.3						
69553	56.1						
69598	56.4						
LASB50559	56.4						
69015	57.1						
69639	57.5						
69637	57.1						
Ambient Temperature (6.[14])	56.3 °F	°F	°F	°F	°F	°F	°F
End Time (6.[15])	1014						
6.[15]	Operator: [illegible] Operator: [illegible]	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:

6.[2] Comments:

ATTACHMENT 4
Page 3 of 3

6.[6] Date: From 10·13·14 to 10·19·14

6.[19] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Juan Garcia	Juan Garcia	169840	10-13-14	10-13-14
Joshua Lopez	Joshua Lopez	116598	JN	101314

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 10-13-14 to 10-19-14

	Monday 6.[6] Start Time: 0948	Tuesday 6.[6] Start Time:	Wednesday 6.[6] Start Time:	Thursday 6.[6] Start Time:	Friday 6.[6] Start Time:	Saturday 6.[6] Start Time:	Sunday 6.[6] Start Time:
TA-54-375 Cell 3							
Calibrated Infrared Thermometer (6.[7])	Brand: FLUKE Model: 561 Cal. Due Date: 6-12-15 File Number 101916	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number
Ambient Temperature (6.[9])	56.0 °F	°F	°F	°F	°F	°F	°F
Container ID #	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])
69519	56.2						
69645	56.4						
94068	56.8						
93605	56.5						
69548	56.4						
69604	56.4						
LASB50529	56.6						
LASB50418	56.4						
69036	56.3						
LASB50451	56.1						
69559	56.3						
LASB50448	56.3						
Ambient Temperature (6.[14])	56.2 °F	°F	°F	°F	°F	°F	°F
End Time (6.[15])	0954						
6.[15]	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:

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INITIAL EC DATE 10-13-14

ATTACHMENT 5
Page 2 of 2

6.[6] Date: From 10·13·14 to 10·19·14

6.[2] Comments:

6.[19] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Juan Garcia	Juan Garcia	169840	JG	10-13-14
Joshua Lopez	Joshua Lopez	116598	JL	101314

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 10-10-14 to 10-10-14 Location: 375

	Start Time: 6.[6] 0628	Start Time: 6.[6] 0729	Start Time: 6.[6] 0827	Start Time: 6.[6] 0926	Start Time: 6.[6] 1026	Start Time: 6.[6] 1129	Start Time: 6.[6] 1228	Start Time: 6.[6] 1327	Start Time: 6.[6] 1429	Start Time: 6.[6] 1527	Start Time: 6.[6] 1627	Start Time: 6.[6] 1725	Start Time: 6.[6] N/A	Start Time: 6.[6] N/A
Calibrated Infrared Thermometer (6.[7])	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: N/A File Number:	Brand: Model: Cal. Due Date: N/A File Number:
Ambient Temperature (6.[9])	56.64 °F	56.47 °F	56.42 °F	56.71 °F	57.34	58.37 °F	58.61 °F	59.44	60.22 °F	59.72 °F	59.31 °F	58.83 °F	°F	°F
Container ID # (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])
68685 T1	56.50	56.23	56.3	56.47	57.17	58.12	58.37	59.1	59.77	59.29	58.89	58.45		
68685 T2	56.23	56.00	55.9	56.27	56.92	57.91	58.02	58.75	59.36	58.87	58.5	58.07		
50522 T4	57.0	56.87	56.81	56.95	57.4	58.17	58.36	58.96	59.53	59.19	58.89	58.54		
50522 T5	57.0	56.82	56.75	56.95	57.45	58.21	58.37	58.99	59.54	59.1	58.78	58.47		

N/A

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Z# 174977
INITIAL DA DATE 10-10-14

WORKING COPY
Z#
INITIAL DATE

ATTACHMENT 6
Page 2 of 3

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

Container ID # (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])
Ambient Temperature (6.[14])	56.64 °F	56.47 °F	56.4 °F	56.72 °F	57.34 °F	58.41 °F	58.60 °F	59.48 °F	60.22 °F	59.7 °F	59.31 °F	58.88 °F	°F	°F
End Time (6.[15])	0630	0732	0831	0927	1027	1130	1229	1328	1429	1528	1627	1726		
6 [15]	Operator: LB Operator: R	Operator: QA Operator: LB	Operator: QA Operator: LB	Operator: QA Operator: LB	Operator: QA Operator: LB	Operator: LB Operator: R	Operator: QA Operator: R	Operator: R Operator: QA	Operator: NS Operator: QA	Operator: QA Operator: NS	Operator: NS Operator: QA	Operator: QA Operator: NS	Operator: Operator:	Operator: Operator:

N/A

ATTACHMENT 6
Page 3 of 3

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

6.[2] Comments: No entry into permcom per standing order Area G-50-1280 R.0, hourly temps are taken using data logger computer.

6.[19] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Tina Aguirre	Tina Aguirre	[illegible]	TA	10-10-14
Norman Sanchez	Norman Sanchez	187888	NS	10/10/14
Pancho Miera	[illegible]	225325	PM	10/10/14
Larry Brito	[illegible]	116168	LB	10-10-14

Operator (print)	Signature	Z#	Initials	Date

8.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date

WORKING COPY
Z# NA
INITIAL _____ DATE _____

ATTACHMENT 6
Page 1 of 3

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

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

	Start Time: 6.[6] 1825	Start Time: 6.[6] 1928	Start Time: 6.[6] 2029	Start Time: 6.[6] 2126	Start Time: 6.[6] 2226	Start Time: 6.[6] 2326	Start Time: 6.[6] 0026	Start Time: 6.[6] 0128	Start Time: 6.[6] 0228	Start Time: 6.[6] 0329	Start Time: 6.[6] 0429	Start Time: 6.[6] 0529	Start Time: 6.[6]	Start Time: 6.[6]
Calibrated Infrared Thermometer (6.[7])	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 N / Model A / Cal Due Date / File Number	Brand / Model / Cal Due Date / File Number	Brand / Model / Cal Due Date / File Number	Brand / Model / Cal Due Date / File Number	Brand / Model / Cal Due Date / File Number	Brand / Model / Cal Due Date / File Number
Ambient Temperature (6.[9])	58.27 °F	57.78 °F	57.28 °F	56.85 °F	56.55 °F	56.37 °F	~~56.37~~ 56.34 N 10/11/14	56.22 °F	55.74 °F	55.19 °F	54.4 °F	54.51 °F	°F	°F
Container ID # (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])
68685 T1	57.95	57.48	57.02	56.64	56.36	56.19	56.2	56.06	55.56	55.1	54.37	54.43		N
68685 T2	57.5	57.15	56.72	56.33	56.34	55.9	55.86	55.78	55.29	54.73	53.96	54.14		A
50522 T4	58.15	57.81	57.42	57.12	56.55	56.75	56.72	56.63	56.24	55.87	55.27	55.31		
50522 T5	58.08	57.71	57.37	57.06	56.89	56.72	56.7	56.6	56.24	55.81	55.24	55.31		

N
A

WORKING COPY
Z# 174927
INITIAL DF DATE 10-10-14

ATTACHMENT 6
Page 2 of 3

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

Container ID # (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])
							N/A						N/A	
Ambient Temperature (6.[14])	58.26 °F	57.8 °F	57.3 °F	56.85 °F	56.57 °F	56.37 °F	56.34 °F 10/11/14	56.21 °F	55.74 °F	55.16 °F	54.4 °F	54.51 °F	°F	°F
End Time 6.[15])	1826	1929	2030	2128	2228	2328	~~2~~0028	0130	0230	0330	0430	0530		
6.[15]	Operator: GE Operator:	Operator: GE Operator:	Operator: GE Operator:	Operator: GE Operator:	Operator: GE Operator: GE	Operator: GE Operator: GE	Operator: GE Operator: GE	Operator: GE Operator:	Operator: GE Operator:	Operator: GE Operator: GE	Operator: GE Operator: GE	Operator: GE Operator: GE	Operator: Operator:	Operator: Operator:

ATTACHMENT 6
Page 3 of 3

6.[6] Date: From 10 10 14 to 10 11 14 Location: 375/231

6.[2] Comments:

Turned over NDO to Eloy Cordova at 0554 114188.
Cant enter into Permacon per Standing order Area G 50-1280 R. O hourly pumps are taken using data logger computer.

6.[19] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Joshua Lopez	Joshua Lopez	116598	JL	101114
Gerald Espinoza	[signature]	1209726	GE	10 11 14

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 10/11/14 to 10/11/14 Location: 54-375/54-231

	Start Time: 6.[6] 0630	Start Time: 6.[6] 0729	Start Time: 6.[6] 0831	Start Time: 6.[6] 0930	Start Time: 6.[6] 1030	Start Time: 6.[6] 1129	Start Time: 6.[6] 1231	Start Time: 6.[6] 1331	Start Time: 6.[6] 1427	Start Time: 6.[6] 1528	Start Time: 6.[6] 1626	Start Time: 6.[6] 1728	Start Time: 6.[6]	Start Time: 6.[6]
Calibrated Infrared Thermometer (6.[7])	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.[9])	54.87 °F	54.65 °F	54.74 °F	55.15 °F	56.12 °F	57.45 °F	60.63 °F	63.67 °F	62.76 °F	61.77 °F	60.48 °F	61.06 °F	°F	°F
Container ID # (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])
T1 68685	54.58	54.57	54.71	56.06	56.12	57.45	60.10	63.15	63.38	62.37	61.1	60.99		
T2 68685	54.31	54.24	54.47	54.82	55.81	57.06	59.54	62.38	62.7	61.98	60.92	60.43		
T4 50522	55.37	55.33	55.44	55.65	56.42	57.43	59.38	61.56	61.31	60.81	60.21	60.35		
T5 50522	55.4	55.39	55.48	55.74	56.44	57.49	59.45	61.7	61.43	60.94	60.31	60.35		

NA

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Z# 114188
INITIAL EC DATE ~~10-11~~ EC 10-11-14
10-11-14

ATTACHMENT 6
Page 2 of 3

6.[6] Date: From 10/11/14 to 10/11/14 Location: 54.375/54.231

Container ID # (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])
						NA								
Ambient Temperature (6.[14])	54.67 °F	54.66 °F	54.77 °F	55.15 °F	56.12 °F	57.49 °F	60.63 °F	63.67 °F	62.85 °F	61.77 °F	60.48 °F	~~60.08~~ 61.08 °F	°F	°F
End Time (6.[15])	0635	0731	0832	0931	1033	1130	1232	1333	1430	1529	1628	1730		
6.[15]	Operator: [illegible] Operator: DB	Operator: DB Operator: [illegible]	Operator: DB Operator: TP	Operator: DB Operator: TP	Operator: [illegible] Operator: TP	Operator: TP Operator: DB	Operator: TP Operator: DB	Operator: DB Operator: [illegible]	Operator: [illegible] Operator: DB	Operator: EC Operator: [illegible]	Operator: [illegible] Operator: DB	Operator: [illegible] Operator: DB	Operator: Operator:	Operator: Operator:

ATTACHMENT 6
Page 3 of 3

6.[6] Date: From 10/11/14 to 10/11/14 Location: 375/231

6.[2] Comments: No Entry allowed into perimeter per standing order Area G SOI 240 R.0 and COD, hourly temps are taken using data logger computer.

6.[19] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Larry Brito		116405	LB	10-11-14
Pancho Mieva		123515		10-11-14
Leon Montoya		101516		10/11/14
Eloy D. Calderon		114155	EC	10-11-14

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 10-11-14 to 10-12-14 Location: 375

	Start Time: 6.[6] 1828	Start Time: 6.[6] 1928	Start Time: 6.[6] 2026	Start Time: 6.[6] 2128	Start Time: 6.[6] 2230	Start Time: 6.[6] 2331	Start Time: 6.[6] 0028	Start Time: 6.[6] 0127	Start Time: 6.[6] 0225	Start Time: 6.[6] 0327	Start Time: 6.[6] 0426	Start Time: 6.[6] 0525	Start Time: 6.[6]	Start Time: 6.[6]
Calibrated Infrared Thermometer (6.[7])	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.[9])	61.31 °F	60.88 °F	59.89 °F	58.46 °F	57.47 °F	56.64 °F	56.11 °F	55.67 °F	55.21 °F	54.71 °F	54.42 °F	54.33 °F	°F	°F
Container ID # (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])
68685 T1	60.77	60.37	59.34	58.02	57.1	56.35	55.87	55.46	55.04	54.54	54.29	54.24		
68685 T2	60.35	59.9	58.9	57.69	56.76	55.98	55.55	55.15	54.74	54.27	54.02	53.96		
50522 T4	60.36	60.07	59.29	58.23	57.49	56.89	56.52	56.2	55.88	55.48	55.25	55.15		
50522 T5	60.35	59.98	59.16	58.06	57.39	56.82	56.46	56.16	55.85	55.5	55.27	55.13		

N/A

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Z# 114188
INITIAL EC DATE 10-11-14

ATTACHMENT 6
Page 2 of 3

6.[6] Date: From 10-11-14 to 10-12-14 Location: 375

Container ID # (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])
Ambient Temperature (6.[14])	61.3 °F	60.9 °F	59.87	58.43	57.46	56.64	56.11 °F	55.69	55.24	54.71 °F	54.42	54.33	____ °F	____ °F
End Time (6.[15])	1829	1929	2027	2129	2231	2332	0029	0128	0226	0328	0427	0526		
6.[15]	Operator: DA / Operator: JH	Operator: DA / Operator: JH	Operator: DA / Operator: JH	Operator: DA / Operator: JH	Operator: DA / Operator: JH	Operator: DA / Operator: JH	Operator: DA / Operator: JH	Operator: DA / Operator: JH	Operator: DA / Operator: JH	Operator: DA / Operator: JH	Operator: DA / Operator: JH	Operator: DA / Operator: JH	Operator: / Operator:	Operator: / Operator:

ATTACHMENT 6
Page 3 of 3

6.[6] Date: From 10-11-14 to 10-12-14 Location: 375

6.[2] Comments: NO Entry into permeon Per standing Order Area G SO-1280 R.0, hourly temps are taken using data logger computer.

N/A

6.[19] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Tina Aguirre	Tina Aguirre	124670	AT	10-12-14
Joshua Lopez	Joshua Lopez	116598	JL	101214

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 10-12-14 to 10-12-14 Location: 375

	Start Time: 6.[6] 0629	Start Time: 6.[6] 0730 ~~0630~~	Start Time: 6.[6] 0829	Start Time: 6.[6] 0929	Start Time: 6.[6] 1029	Start Time: 6.[6] 1131	Start Time: 6.[6] 1230	Start Time: 6.[6] 1330	Start Time: 6.[6] 1428	Start Time: 6.[6] 1529	Start Time: 6.[6] 1631	Start Time: 6.[6] 1731	~~Start Time: 6.[6]~~ N	~~Start Time: 6.[6]~~ A
Calibrated Infrared Thermometer (6.[7])	Brand: Model: Cal. Due Date: File Number	Brand: PB 10/12/14 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: A N 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.[9])	53.84 °F	53.45 °F	53.99 °F	55.26 °F	57.74 °F	61.58 °F	62.11 °F	61.16 °F	60.34 °F	60.84 °F	62.04 °F	61.73 °F	°F	°F
Container ID # (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])
68685 T1	53.78	53.45	53.94	55.13	57.54	61.01	61.91	60.75	59.89	60.31	61.33	61.23		
68685 T2	53.53	53.19	53.67	54.96	57.24	60.53	61.25	60.16	59.29	59.72	60.76	60.60		
50522 T4	54.81	54.47	54.82	55.69	57.46	60.06	60.99	60.16	59.54	59.93	60.73	60.76		
50522 T5	54.78	54.44	54.84	55.82	57.62	60.16	60.93	60.08	59.47	59.93	60.73	60.73		
				N A										

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Z# 114188
INITIAL EC DATE 10-12-14

ATTACHMENT 6
Page 2 of 3

6.[6] Date: From 10-12-14 to 10-12-14 Location: 375

Container ID # (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])
Ambient Temperature (6.[14])	53.80 °F	53.4 °F	53.99 °F	55.26 °F	57.77 °F	61.58 °F	62.11 °F	61.19 °F	60.38 °F	60.87 °F	62.01 °F	61.73 °F	°F	°F
End Time (6.[15])	0630	~~0635~~ 0731 10/12/14	0836	0930	1030	1132	1231	1331	1429	1530	1632	1732		
6.[15]	Operator: TT Operator: ZB	Operator: TT Operator: ZB	Operator: TT Operator: ZB	Operator: TT Operator: ZB	Operator: TT Operator: ZB	Operator: TT Operator: ZB	Operator: TT Operator:	Operator: ZC Operator:	Operator: TT Operator: ZB	Operator: ZB Operator: TT	Operator: TT Operator: ZB	Operator: TT Operator: ZB	Operator: Operator:	Operator: Operator:

ATTACHMENT 6
Page 3 of 3

6.[6] Date: From 10-12-14 to 10-12-14 Location: 375

6.[2] Comments: No Entry into permeter per Standing order Area G-SO-1280 RO and FOD hourly temps are taken using data logger computer.

6.[19] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Pancho Miera		235765		10-12-14
Larry Pitto		116405		10-12-14
Luis Montoya		199526		10/12/14
Eloy D. Cordova		114166	SC	10/12/14

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 10·12·14 to 10·13·14 Location: 375

	Start Time: 6.[6] 1833	Start Time: 6.[6] 1927	Start Time: 6.[6] 2030	Start Time: 6.[6] 2130	Start Time: 6.[6] 2230	Start Time: 6.[6] 2328	Start Time: 6.[6] 0029	Start Time: 6.[6] 0128	Start Time: 6.[6] 0228	Start Time: 6.[6] 0328	Start Time: 6.[6] 0428	Start Time: 6.[6] 0530	Start Time: 6.[6]	Start Time: 6.[6]
Calibrated Infrared Thermometer (6.[7])	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: N/A Cal. Due Date: File Number	Brand: Model: N/A Cal. Due Date: File Number
Ambient Temperature (6.[9])	59.44 °F	57.85 °F	55.48 °F	53.82 °F	53.15 °F	52.65 °F	52.21 °F	51.69 °F	51.97 °F	51.49 °F	52.59 °F	51.92 °F	°F	°F
Container ID # (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])
68685 T_1	59.50	57.49	55.33	53.84	53.15	52.68	52.35	51.89	52.44	52.03	53.40	52.50		
68685 T_2	58.99	57.02	54.85	53.35	52.18	52.48	52.12	51.66	52.15	51.61	52.04	52.27		
50522 T_4	59.49	57.88	56.23	54.96	54.40	53.90	53.64	53.23	53.72	53.30	54.22	53.46		
50522 T_5	59.35	57.66	55.99	54.81	54.31	53.89	53.62	53.21	53.64	53.25	54.24	53.50		
				N/A									N/A	N/A

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Z# 114188
INITIAL EC DATE 10·12·14

ATTACHMENT 6
Page 2 of 3

6.[6] Date: From 10·12·14 to 10·13·14 Location: 375

Container ID # (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])
							N/A						N/A	N/A
Ambient Temperature (6.[14])	59.99 °F	57.84 °F	55.48 °F	53.88 °F	53.15 °F	52.65 °F	52.24 °F	51.69 °F	51.92 °F	51.42 °F	52.58 °F	51.92 °F	°F	°F
End Time (6.[15])	1834	1928	2030	2131	2230	2329	0030	0128	0229	0329	0429	0531		
6.[15]	Operator: [illegible] Operator: TR	Operator: [illegible] Operator: TR	Operator: [illegible] Operator: TR	Operator: [illegible] Operator: TR	Operator: [illegible] Operator: TR	Operator: [illegible] Operator: TR	Operator: TR Operator: [illegible]	Operator: TR Operator: [illegible]	Operator: TR Operator: [illegible]	Operator: TR Operator: [illegible]	Operator: TR Operator: [illegible]	Operator: TR Operator: [illegible]	Operator: Operator:	Operator: Operator:

ATTACHMENT 6
Page 3 of 3

6.[6] Date: From 10-12-14 to 10-13-14 Location: 375

6.[2] Comments: NO Entry into permacon per Standing order area G-50-1280 RO
Hourly Temps are taken using Data logger computer.

6.[19] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Gary Mauer	[signature]	226285	[initials]	10-12-14
Jimmy Romero	[signature]	234253	TR	10-13-14
	/	/	/	/
	/	/	/	/
	/	/	/	/
	/	/	/	/
	/	/	/	/
	/	/	/	/
	/	/	/	/

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 10·13·14 to 10·13·14 Location: 375

	Start Time: 6.[6] 0631	Start Time: 6.[6] 0732	Start Time: 6.[6] 0831	Start Time: 6.[6] 0930	Start Time: 6.[6] 1030	Start Time: 6.[6] 1127	Start Time: 6.[6] 1227	Start Time: 6.[6] 1325	Start Time: 6.[6] 1429	Start Time: 6.[6] 1525	Start Time: 6.[6] 1626	Start Time: 6.[6] 1727	Start Time: 6.[6]	Start Time: 6.[6]
Calibrated Infrared Thermometer (6.[7])	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: NA Cal. Due Date: File Number	Brand: Model: NA Cal. Due Date: File Number
Ambient Temperature (6.[9])	51.08 °F	51.96 °F	51.23 °F	52.40 °F	54.61 °F	57.12 °F	59.77 °F	61.78 °F	62.61 °F	63.07 °F	62.93 °F	61.87 °F	°F	°F
Container ID # (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])
68685 T1	52.06	53.01	51.79	52.63	54.55	57.02	59.41	61.21	62.08	62.53	62.41	61.46		
68685 T2	51.43	52.49	51.37	52.28	54.20	56.54	58.72	60.38	61.23	61.64	61.52	60.62		
50522T4	53.28	53.83	53.00	53.57	54.94	56.78	58.69	60.09	60.93	61.39	61.40	60.81		
50522T5	53.18	53.82	52.97	53.61	55.08	56.93	58.81	60.14	60.49	61.34	61.29	60.71		
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		

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Z# 114188
INITIAL EC DATE 10·13·14

ATTACHMENT 6
Page 2 of 3

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

Container ID # (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ambient Temperature (6.[14])	51.03 °F	51.93 °F	51.23 °F	52.43 °F	54.61 °F	57.17 °F	59.88 °F	61.78 °F	62.63 °F	63.07 °F	62.93 °F	61.85 °F	°F	°F
End Time (6.[15])	0632	0733	0832	0931	1031	1128	1228	1326	1430	1526	1627	1728		
6.[15]	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:

ATTACHMENT 6
Page 3 of 3

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

6.[2] Comments: No Entry into furnacon for standing order area G-SO-1280 R.O Hourly Temps are taken using Data logger Computer
NO further entrys
WA

6.[19] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Joshua Lopez	Joshua Lopez	116578	JL	101314
Jesse Chavez	Jesse Chavez	214558	JC	10-13-14
Tony Aguirre	Tony Aguirre	114704		10-13-14
William Suarez	William Suarez	201458	WS	10 13-14

WA

8.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date
Waylon Mapstas	Waylon Mapstas	219908	WM	10-14-14

ATTACHMENT 6
Page 1 of 3

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

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

	Start Time: 6.[6] 1833	Start Time: 6.[6] 1932	Start Time: 6.[6] 2028	Start Time: 6.[6] 2130	Start Time: 6.[6] 2229	Start Time: 6.[6] 2331	Start Time: 6.[6] 0029	Start Time: 6.[6] 0128	Start Time: 6.[6] 0229	Start Time: 6.[6] 0328	Start Time: 6.[6] 0428	Start Time: 6.[6] 0529	Start Time: 6.[6]	Start Time: 6.[6]
Calibrated Infrared Thermometer (6.[7])	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.[9])	59.71 °F	57.52 °F	55.95 °F	54.69 °F	53.42 °F	52.50 °F	52.02 °F	52.0 °F	51.58 °F	52.23 °F	52.89 °F	51.13 °F	°F	°F
Container ID # (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])
68685 T1	59.28	57.10	55.61	54.50	53.34	52.53	52.15	52.21	51.93	52.77	53.42	51.92		
68685 T2	58.66	56.57	55.11	54.15	53.04	52.30	51.94	51.97	51.64	52.46	53.25	51.32		
50522 T4	59.23	57.46	56.28	55.38	54.51	53.83	53.43	53.29	53.26	53.75	54.00	53.12		
50522 T5	59.08	57.26	56.11	55.26	54.35	53.74	53.33	53.29	53.14	53.75	54.03	52.99		

N/A

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Z# 226235
INITIAL SDM DATE 10-13-14

ATTACHMENT 6
Page 2 of 3

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

Container ID # (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])	Temp (°F) (6.[10]/6.[11])
						NA								
Ambient Temperature (6.[14])	59.68 °F	57.44 °F	55.92 °F	54.69 °F	53.42 °F	52.73 °F	52.00 °F	52.04 °F	51.55 °F	52.2 °F	52.89 °F	51.07 °F	°F	°F
End Time (6.[15])	1834	1933	2028	2131	2230	2332	0030	0128	0230	0329	0429	0530		
6.[15]	Operator: Ben Operator: TR	Operator: Ben Operator: TR	Operator: Ben Operator: TR	Operator: Ben Operator: TR	Operator: Ben Operator: TR	Operator: Ben Operator: TR	Operator: Ben Operator: TR	Operator: Ben Operator: TR	Operator: Ben Operator: TR	Operator: Ben Operator: TR	Operator: Ben Operator: TR	Operator: Ben Operator: TR	Operator: Operator:	Operator: Operator:

ATTACHMENT 6
Page 3 of 3

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

6.[2] Comments: NO ENTRY INTO PERMACON PER STANDING ORDER AREA G SO-1280 R.0 HOURLY TEMPS TAKEN USING DATA LOGGER COMPUTER

N/A

6.[19] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Gary Mally	Gary Mally	226235	GM	10-13-14
Timmy Romero	Timmy Romero	234253	TR	10-14-14

N/A

8.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date
Waylon P. Moates	Waylon P. Moates	121908	WM	10-14-14