From: Vigil-Holterman, Luciana R
Sent: Monday, December 29, 2014 4:22 PM
To: Ryan.Flynn@state.nm.us; Jeff.Kendall@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; butch.tongate@state.nm.us; Cobrain, Dave, NMENV
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; Brandt, Michael Thomas; Sharp-Geiger, Raeanna Racine; Dorries, Alison Marie; Grieggs, Tony; Bacigalupa, Gian A; 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; Cabbil, Cheryl Denise; Young, Steven L; Erickson, Randy; Funk, David John; Alexander, Rick A; Frederici, Dave; Diaz, Tammy; Juarez, Catherine L; Robinson, Bruce Alan; Lansing, Michael Alan; Haagenstad, Mark P; Vigil-Holterman, Luciana R
Subject: Daily Technical Submission - December 29, 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 Mark Haagenstad if additional information would be helpful.

Have a good one!

Luciana Vigil-Holterman for Mark

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 29, 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 5 days' temperature data attached.
- **Monitoring – Visual Inspections**
  - No abnormal conditions were observed.
- **Monitoring – headspace gas (HSG)**
  - Containers (SWBs) 68685 and SB50522.
    - Continue daily head space gas (HSG) sample collection.
      - December 25, 2014 - December 29, 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 December, LANL has conducted HSG sampling on 55 SWBs.
- **Additional measures currently underway**
  - As a conservative measure, LANL is currently conducting additional monitoring. This additional monitoring includes:
    - Containers (SWB) 68685 and SB50522.
      - LANL continuing *solid phase micro-extraction*.
      - Hourly temperature measurements are currently being performed on SWB 68685 and SB50522.
    - Five (5) other SWB overpacks (containing 55-gallon drums of remediated nitrate salt-bearing waste).
      - Continue twice-weekly HSG sample collection.
      - December 29, 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:

- Due to the LANL winter/holiday closure from close of business December 24, 2014 through January 2, 2015, it is anticipated that the Written Daily Submissions for the dates of December 23rd, 24th, 29th, 30th, 31st and January 2nd will be entered into the LANL electronic public reading room (EPRR) on January 5, 2015 when LANL reopens. The daily written submissions for December 23rd and 24th will enter the LANL hardcopy public reading room (HPRR) during the week of December 29, 2014 as the HPRR location in Pojoaque is not closed during this time.

Verbal and written notifications were provided to NMED-HWB's Steve Pullen on December 29, 2014 regarding the Fire Watch that was established within Dome 231 at 2:30 am on December 29, 2014 after a nitrogen leak was discovered in the dry pipe suppression system located within the Permacon in Dome 231. The Fire Watch will be in effect until the system can be repaired the week of January 5, 2014.

As a reminder:

- Twice weekly technical summary conference calls will not occur on December, 23rd, 25th, 30th and January 1st, due to NMED availability and LANL winter closure. Calls will resume on January 6, 2015.
- Daily written submissions will be sent on the following days: December 29, 30, 31, and January 2, 2015 during the LANL winter closure.
- All daily inspections and measurements will continue through the winter closure and will be submitted according to the above schedule until January 5, 2015 at which time the normal schedule will resume.

Next Call: Tuesday, January 6, 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)

	Requested Information	Actionee	Status	Completion Date
38.	NMED requested documentation regarding CIN01.001 waste containers that are not part of the September 19, 2014 Nitrate Salts-Bearing Waste Container Isolation Plan, Revision 2.	LANL	In Progress LANL will submit this documentation in batches as it 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. Submitted RTR Videos 201-250 on December 1, 2014. Submitted RTR Videos 251-300 on December 19, 2014.
39.	NMED requested a diagram of the location of the thermocouples on 68685 and SB50522.	LANL	---	Complete October 27, 2014
40.	NMED requested a copy of the safety basis document for remediation planning when it is finalized.	LANL	Document is currently in Draft.	
41.	Trending and correlation of temperature and HSG monitoring data.	LANL	In progress	
42.	Schedule a fourth update on LANL efforts – including teams.	LANL/ NMED	---	Complete November 3, 2014

	Requested Information	Actionee	Status	Completion Date
43.	Schedule a fifth update on LANL efforts – including teams.	LANL/ NMED	---	Complete November 20, 2014
44.	Schedule a sixth update on LANL efforts – including teams.	LANL/ NMED	---	Complete December 9, 2014
45.	NMED requested documentation regarding CIN01 drums.	LANL	In Progress Additions to original questions added during technical phone call December 9, 2014.	
46.	NMED requested documentation regarding duplicate drum number.	LANL	In Progress	
47.	NMED requested the ESS plan for temperature control and sampling once finalized.	LANL	Document is currently in Draft.	

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**
12/25/14	150	460	12482	3391								
12/26/14	126	329	9459	2507								
12/27/14	137	415	10530	2887								
12/28/14	138	427	11207	3079								
12/29/14	137	478	10528	2898	174	517	14269	1965	94	261	5813	291

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**
12/25/14												
12/26/14												
12/27/14												
12/28/14												
12/29/14	277	742	19640	4056	197	961	19867	2643	441	554	12108	2273

Remediated Nitrate Salt Container Headspace Gas Analysis

	SB50522			
Date	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**
12/25/14	2180	456	39958	944
12/26/14	2050	449	35925	899
12/27/14	1959	405	35946	868
12/28/14	1591	310	34141	836
12/29/14	1696	410	34618	857

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 12·22·14 to 12·28·14

	Monday 6.[6] Start Time: 1445	Tuesday 6.[6] Start Time: 0901	Wednesday 6.[6] Start Time: 0737	Thursday 6.[6] Start Time: 0824	Friday 6.[6] Start Time: 0826	Saturday 6.[6] Start Time: 0730	Sunday 6.[6] Start Time: 0830
TA-54-231							
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand: FLUKE Model: 561 Cal. Due Date: 7/29/15 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 TC 12-24-14 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: 72915 File Number 101974
Ambient Temperature (6.[7])	49.7 °F	31.5 °F	25.3 °F	33.5 °F	35.1 °F	18.4 °F	21.9 °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])
S818435	50.3	33.7	27.6	33.9	34.2	21.3	19.9
S802833	49.0	33.0	26.6	32.4	33.8	21.5	20.4
S801676	48.5	32.7	26.0	32.0	33.5	21.1	19.9
S816810	47.6	30.2	24.1	30.0	31.4	18.7	17.2
70069	47.8	30.8	24.4	30.1	31.2	18.3	16.4
S822844	47.7	30.9	24.0	30.1	31.3	18.7	17.5
S825879	47.9	30.2	23.6	30.2	31.1	18.2	17.3
S793724	48.1	30.6	23.7	30.5	31.3	18.4	17.5
S813545	47.5	30.7	24.6	30.5	31.6	18.6	17.7
S822713	48.0	32.4	26.1	32.1	33.5	20.7	19.5
S802739	49.1	32.7	25.9	32.0	33.4	20.2	19.7
69907	48.8	32.6	26.0	32.5	33.6	20.4	19.8
S804995	48.8	33.6	27.3	32.5	34.4	21.4	20.2
S816434	48.3	34.9	29.5	33.8	35.5	23.0	22.3

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ATTACHMENT 2
Page 2 of 3

6.[6] Date: From ~~12-22-14~~ 12-22-14 to 12-28-14

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	48.1	34.6	28.0	33.8	34.9	22.4	21.3
S862888	48.5	34.6	27.7	32.9	34.4	22.1	20.7
70072	49.5	32.7	26.3	32.8	33.5	20.6	19.9
S823184	49.9	32.5	26.7	32.4	33.3	20.6	19.6
S822599	49.3	32.0	26.3	32.1	32.9	20.8	19.6
69904	48.1	30.9	25.3	30.5	32.0	19.4	18.4
S805051	47.7	30.6	25.1	30.3	31.7	19.1	18.3
S864213	47.7	30.7	24.9	30.3	31.8	18.4	18.0
S853714	47.4	30.6	24.3	30.3	31.2	18.5	17.7
S803078	47.1	30.4	24.2	~~30.3~~ ~~30.6~~ 12-25-14	31.1	18.2	17.5
S825878	48.8	31.2	25.2	30.6	31.8	19.1	18.3
S823124	49.1	31.5	25.9	30.6	31.7	19.5	18.7
S804948	48.8	33.3	27.3	32.3	33.4	21.5	20.1
S813385	49.1	33.7	27.5	32.7	33.9	21.7	20.6
S842446	48.2	35.7	29.6	34.2	36.0	24.5	23.3
Ambient Temperature (6.[12])	51.7 °F	33.1 °F	26.7 °F	33.9 °F	36.2 °F	22.2 °F	23.1 °F
End Time (6.[13])	1450	0912	0740	0836	0832	0736	0834
6.[13]	Operator: [illegible] Operator: [illegible]	Operator: [illegible] Operator: [illegible]	Operator: [illegible] Operator:	Operator: [illegible] Operator: [illegible]	Operator: SC Operator: [illegible]	Operator: EC Operator: [illegible]	Operator: EC Operator: [illegible]

ATTACHMENT 2
Page 3 of 3

6.[6] Date: From 12-22-14 to 12-28-14

6.[2] Comments: _____

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Alfredo Aguilar		1293781	AA	12/22/14
Joshua Lopez		1155[illegible]	JL	12/22/14
Josephine Duran		1597[illegible]	JD	12/23/14
[illegible]		[illegible]	[illegible]	12/23/14
Josephine Duran		1597[illegible]	JD	12/24/14
Leon Montoya		1191526	LM	12/24/14
Tina Aguirre		[illegible]	[illegible]	12-25-14
Elvis J. Cordova		1141881	EC	12-26-14
Leon Montoya		1191526	LM	12/26/14
Elvis J. Cordova		1141881	EC	12-27-14
Leon Montoya		1191526	LM	12/27/14
Elvis J. Cordova		1141881	EC	12-28-14
Leon Montoya		1191526	LM	12-28-14

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 12-22-14 to 12-28-14

IPC-1

	Monday 6.[6] Start Time: 1119	Tuesday 6.[6] Start Time: 1119	Wednesday 6.[6] Start Time: ~~0901~~ 0910	Thursday 6.[6] Start Time: 0915	Friday 6.[6] Start Time: 0754	Saturday 6.[6] Start Time: 0756	Sunday 6.[6] Start Time: 0750
TA-54-375 Cell 1			AG 12/29/14				
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 1215 File Number 101915	Brand: FLUKE Model: 561 Cal. Due Date: 6/12/15 File Number 101915
Ambient Temperature (6.[7])	53.9 °F	49.9 °F	43.9 °F	48.9 °F	48.1 °F	39.0 °F	37.3 °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])
68685	55.0	50.6	46.5	~~48.9~~ 51.4	51.0	42.3	40.4
LA00000070503 68540	55.0	50.8	46.8	51.3	50.9	41.5	40.7
LA00000070503 68553	54.9	50.4	46.8	52.1	51.1	40.4	38.8
69445	55.3	51.1	47.6	51.7	50.9	41.8	40.3
69618	55.1	50.5	46.5	49.4	49.7	41.0	38.4
69013	56.6 ~~56.0~~	52.1	45.1	51.6	52.8	42.8	40.8
LASB50522	55.8	52.6	46.9	52.3	53.4	45.4	43.3
LASB50452	55.8	52.6	48.6	53.1	53.0	44.5	43.2
LASB50431	55.7	53.1	49.2	53.1	52.0	44.9	43.7
LASB50069	55.2	52.1	44.0	53.0	52.1	43.7	42.1
LASB50073	55.4	51.8	47.7	52.3	53.3	44.5	42.1
69636	56.0	52.6	47.9	53.1	53.4	45.0	43.2
69616	56.0	52.6	49.1	52.7	52.5	46.2	43.9
69417	55.9	53.2	48.3	52.7	52.5	44.5	42.5

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ATTACHMENT 3
Page 2 of 3

6.[6] Date: From 12.22.14 to 12.28.14

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	55.7	51.7	47.4	52.2	52.1	44.4	43.6
69520	56.2	52.2	48.0	52.4	51.9	44.3	42.4
69641	56.4	52.4	48.5	52.9	52.5	45.0	43.4
69298	56.4	52.8	48.9	53.2	53.3	45.7	43.7
LASB02203	56.3	53.2	48.7	52.8	52.9	45.5	43.3
Ambient Temperature (6.[12])	53.8 °F	50.3 °F	43.7 °F	49.0 °F	47.9 °F	39.2 °F	37.6 °F
End Time (6.[13])	1125	1124	0915	0919	0756	0759	0752
6.[13]	Operator: [signature] Operator: [signature]	Operator: [signature] Operator: [signature]	Operator: [signature] Operator: [signature]	Operator: [signature] Operator: [signature]	Operator: JM Operator: [signature]	Operator: EC Operator: [signature]	Operator: JM Operator: [signature]

6.[2] Comments:

ATTACHMENT 3
Page 3 of 3

6.[6] Date: From 12.22.14 to 12.28.14

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
THOMAS VIGIL		123682		12/22/14
Joshua Lopez		116598		12/23/14
THOMAS VIGIL		123682		12/23
Joshua Lopez		116598		12/23/14
Alfredo Aguilar		293128		12/24/14
Joshua Lopez		116598		12/24/14
Lily Aguirre		124897		12-25-14
Leon Montoya		191526		12/25/14
Leon Montoya		191526		12/26/14
JARYD MARQUEZ		126755		12/26/14
Elota Cordova		114188		12-27-14
Leon Montoya		191526		12-27-14
Leon Montoya		191526		12-28-14
JARYD MARQUEZ		126755		12/28/14

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 12.22.14 to 12.28.14

	Monday 6.[6] Start Time: 1126	Tuesday 6.[6] Start Time: 1125	Wednesday 6.[6] Start Time: 0916	Thursday 6.[6] Start Time: 0920	Friday 6.[6] Start Time: 0757	Saturday 6.[6] Start Time: 0800	Sunday 6.[6] Start Time: 0753
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])	57.4 °F	52.6 °F	47.3 °F	53.1 °F	51.6 °F	43.6 °F	41.8 °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	56.6	51.2	46.2	51.7	50.8	46.0	42.2
68638	57.8	51.6	49.3	53.1	51.8	44.2	43.2
69615	58.2	52.3	49.0	54.4	52.9	44.8	43.5
69635	58.5	52.7	49.1	54.7	53.5	46.0	44.9
69642	57.9	52.9	49.3	54.2	52.5	44.7	42.1
69630	57.6	52.7	49.4	54.4	52.4	44.9	43.2
69633	58.2	53.1	49.0	54.3	53.6	46.0	43.8
68430	57.8	51.7	48.2	53.3	52.9	45.4	43.6
68631	58.1	52.6	49.3	52.9	52.7	44.7	42.0
69634	58.1	52.6	46.9	52.2	51.7	43.9	42.6
68567	57.9	50.6	48.0	52.7	51.1	43.4	41.4
94227	57.5	51.2	49.3	53.2	52.5	45.2	42.8
LASB50442	57.7	52.5	49.3	54.4	53.6	46.6	44.1
69644	56.9	52.5	49.6	53.7	52.8	EC 12-22-14 45.7 45.9	43.8
LASB50443	56.0	52.1	48.6	53.0	52.7	44.5	42.3
69638	56.0	52.4	49.1	55.0	52.7	45.5	43.3

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Z# 114188
INITIAL EC DATE 12.22.14

ATTACHMENT 4
Page 2 of 3

6.[6] Date: From 12-22-14 to 12-28-14

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 2 (continued)							
68624	57.1	53.3	50.7	53.5	53.1	45.7	45.4
68507	57.3	53.2	49.7	53.9	53.6	46.5	44.8
69568	58.2	50.9	47.9	52.4	51.6	44.5	43.3
69553	56.0	50.4	47.8	51.6	51.4	43.9	42.6
69598	55.8	50.4	47.5	51.9	52.9	43.7	42.3
LASB50559	56.9	52.3	48.4	54.0	53.1	44.9	44.4
69015	58.0	53.6	50.1	54.5	53.8	46.6	44.9
69639	58.3	54.1	50.8	55.0	53.0	47.4	45.4
69637	58.2	52.0	49.2	53.8	52.1	45.6	44.8
Ambient Temperature (6.[12])	56.0 °F	52.3 °F	48.1 °F	51.9 °F	51.7 °F	42.6 °F	42.4 °F
End Time (6.[13])	1131	1130	0920	0924	0801	0805	0756
6.[13]	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: JM Operator:	Operator: SC Operator:	Operator: JM Operator:

6.[2] Comments:

ATTACHMENT 4
Page 3 of 3

6.[6] Date: From 12.22.14 to 12.28.14

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
THOMAS V. GOLL		123382	TV	12/22/14
Joshua Lopez		116598	JL	12/22/14
THOMAS GOLL		123382	TV	12/23/14
Joshua Lopez		116598	JL	12/23/14
Alfredo Aguilera		293126	AA	12/24/14
Joshua Lopez		per 116598 122414	JL	12/22/14 12/24/14
Lina Aguirre		122414	MA	12/25/14
Luis Montoya		119526	LM	12/25/14
Luis Montoya		119526	LM	12/26/14
Jaclyn Marquez		126755	JM	12/26/14
Elor D. Gilbert		114188	EG	12-27-14
Luis Montoya		119526	LM	12-28-14
Luis Montoya		119526	LM	12-29-14
Jaclyn Marquez		126755	JM	12/28/14

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 12-22-14 to 12-28-14

	Monday 6.[6] Start Time: 1115	Tuesday 6.[6] Start Time: 1114	Wednesday 6.[6] Start Time: 0960	Thursday 6.[6] Start Time: 0940	Friday 6.[6] Start Time: 0749	Saturday 6.[6] Start Time: 0751	Sunday 6.[6] Start Time: 0744
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 EC 12-27-14 ~~101916~~ 101916	Brand: FLUKE Model: 561 Cal. Due Date: 6/12/15 File Number 101916
Ambient Temperature (6.[7])	56.2 °F	52.6 °F	41.1 °F	51.6 °F	51.3 °F	43.8 °F	43.2 °F
Container ID #	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])
69519	57.4	54.8	50.0	53.2	53.3	46.6	45.5
69645	57.3	54.6	50.3	53.2	53.2	46.9	45.9
94068	56.6	54.3	49.9	53.0	53.4	47.2	45.6
93605	56.0	53.1	48.2	52.2	52.2	45.0	44.9
69548	56.0	53.5	48.7	51.8	52.7	45.8	44.0
69604	56.6	54.3	49.1	52.4	53.1	46.8	45.3
LASB50529	57.0	54.3	50.3	52.7	53.3	46.7	45.9
LASB50418	57.2	54.9	50.3	53.3	53.9	46.8	46.7
69036	56.6	54.1	48.8	53.1	52.6	45.2	45.2
LASB50451	56.2	52.8	48.6	51.5	52.5	45.3	43.1
69559	56.4	52.8	49.7	51.7	52.0	45.3	44.3
LASB50448	55.4	52.7	47.6	51.7	52.5	45.3	44.2
Ambient Temperature (6.[12])	55.1 °F	52.6 °F	47.5 °F	51.9 °F	51.3 °F	44.4 °F	42.9 °F
End Time (6.[13])	1118	1118	0910	0914	0753	0755	0748
6.[13]	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: JM Operator:	Operator: EC Operator:	Operator: JM Operator:

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INITIAL EC DATE 12-22-14

ATTACHMENT 5
Page 2 of 2

6.[6] Date: From 12-22-14 to 12-28-14

6.[2] Comments:

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
THOMAS TEGH		236882		12/22/14
Joshua Lopez		116598		122314
THOMAS TEGH		236882		12/23/14
Joshua Lopez		116598		122314
Alfredo Aguilar		293128		12/24/14
Joshua Lopez		116598		122414
Tina Aguirre		179007		12-25-14
Luis Montoya		191526		12/25/14
Luis Montoya		191526		12/26/14
Jaryd Marquez		286755	JM	12/26/14
Elsy D. Calderon		114188	EC	12-27-14
Luis Montoya		191526		12-27-14
Luis Montoya		191526		12-28-14
Jaryd Marquez		286755	JM	12/28/14

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 12-24-14 to 12-24-14 Location: 375

	Start Time: 6.[6] 0633	Start Time: 6.[6] 0727	Start Time: 6.[6] 0829	Start Time: 6.[6] 0930	Start Time: 6.[6] 1031	Start Time: 6.[6] 1131	Start Time: 6.[6] 1227	Start Time: 6.[6] 1328	Start Time: 6.[6] 1429	Start Time: 6.[6] 1527	Start Time: 6.[6] 1625	Start Time: 6.[6] 1723	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])	42.79 °F	42.52 °F	43.38 °F	45.60 °F	48.52 °F	50.62 °F	51.54 °F	52.16 °F	52.32 °F	51.27 °F	51.73 °F	50.16 °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])
68685T1	45.36	45.17	45.75	47.62	50.29	52.26	52.6	53.00	53.14	52.37	52.35	52.04	N/A	
68685T2	44.54	44.35	45.13	47.12	49.71	51.55	51.6	52.1	52.36	51.63	51.79	51.13		
50522 T4	46.08	45.87	46.30	47.70	49.62	51.06	51.78	52.24	52.18	51.72	51.76	51.47		
50522 T5	45.77	45.55	45.99	47.28	49.39	50.77	51.54	52.07	52.01	51.46	51.44	51.06		
							N/A							

12-24-14

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INITIAL [illegible] DATE 12-24-14

ATTACHMENT 6

Page 2 of 3

6.[6] Date: From 12-24-14 to 12-24-14 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])	42.79°F	42.52°F	43.38°F	45.60°F	48.54°F	50.62°F	51.54°F	52.16°F	52.32°F	51.21	51.1°F	50.66	°F	°F
End Time (6.[13])	0634	0728	0830	0931	1032	1132	1228	1329	1430	1528	1626	1724		
6.[13]	Operator: DA Operator:	Operator: DA Operator:	Operator: Operator: DA	Operator: Operator: DA	Operator: Operator: DA	Operator: Operator: DA	Operator: DA Operator: SC	Operator: DA Operator:	Operator: Operator: DA	Operator: DA Operator:	Operator: DA Operator:	Operator: DA Operator:	Operator: Operator:	Operator: Operator:

ATTACHMENT 6
Page 3 of 3

6.[6] Date: From 12-24-14 to 12-24-14 Location: 375

6.[2] Comments: Did not enter Permacon due to the Standing Order 1247 R.2 all Temps were taken in Dome 375 (Data logger Computer)

N/A

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Jesse Chavez		214506	JC	12-24-14
Tina Aguirre		178704	TA	12-24-14
William Lowe		201458	WL	12-24-14

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 12-24-14 to 12-25-14 Location: 375

	Start Time: 6.[6] 1822	Start Time: 6.[6] 1830	Start Time: 6.[6] 2025	Start Time: 6.[6] 2128	Start Time: 6.[6] 2230	Start Time: 6.[6] 2329	Start Time: 6.[6] 0028	Start Time: 6.[6] 0128	Start Time: 6.[6] 0227	Start Time: 6.[6] 0329	Start Time: 6.[6] 0425	Start Time: 6.[6] 0524	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: 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: 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])	49.05 °F	48.41 °F	48.1 °F	47.28 °F	46.77 °F	46.52 °F	45.98 °F	45.61 °F	45.57 °F	45.65 °F	45.97 °F	46.32 °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])
TW 68685	51.17	50.36	50.07	49.35	48.96	48.67	48.17	47.85	47.84	47.84	48.16	48.45		
T(2) 68685	50.12	49.55	49.26	48.57	48.13	47.79	47.35	47.07	47.18	47.25	47.43	47.77	N/A	N/A
T(4) 50522	50.75	50.16	49.9	49.35	49.02	48.79	48.43	48.11	48.06	48.09	48.28	48.48		
T(5) 50522	50.35	49.78	49.55	48.98	48.68	48.41	48.11	47.79	47.67	47.74	47.9	48.06		
						N/A								

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Z# 112907
INITIAL VJC DATE 12-24-14

ATTACHMENT 6
Page 2 of 3

6.[6] Date: From 12-24-14 to 12-25-14 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])	49.07 °F	48.42 °F	48.1 °F	47.33 °F	46.77 °F	46.48 °F	45.98 °F	45.61 °F	45.65 °F	45.69 °F	46.0 °F	46.32 °F	°F	°F
End Time (6.[13])	1823	1931	2026	2129	2230	2330	0028	0128	~~0228~~ 0223	0329	0425	0525		
6.[13]	Operator: LQC / Operator: CB	Operator: LQC / Operator: CB	Operator: LQC / Operator: CB	Operator: LQC / Operator: CB	Operator: LQC / Operator: CB	Operator: LQC / Operator: CB	Operator: CB / Operator: TR	Operator: CB / Operator: TR	Operator: TR / Operator: LQC	Operator: TR / Operator: LQC	Operator: LQC / Operator: TR	Operator: LQC / Operator: TR	Operator: / Operator:	Operator: / Operator:

ATTACHMENT 6
Page 3 of 3

6.[6] Date: From 12-24-14 to 12-25-14 Location: 375

6.[2] Comments: Did not enter Permacon Per standing Order 1247 Rev 2. Temperatures are taken from Dome 375 Control room using data logger

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Willie S. Cordova		V11904		12-24-14
Sammy Burch	Sammy Burch	114414		12-24-14
Timmy Romero		234253	TR	12-25-14
	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 12/25/14 to 12/25/14 Location: 375

	Start Time: 6.[6] 0630	Start Time: 6.[6] 0737	Start Time: 6.[6] 0830	Start Time: 6.[6] 0927	Start Time: 6.[6] 1026	Start Time: 6.[6] 1126	Start Time: 6.[6] 1224	Start Time: 6.[6] 1325	Start Time: 6.[6] 1430	Start Time: 6.[6] 1530	Start Time: 6.[6] 1631	Start Time: 6.[6] 1735	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: 12-25-14 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])	47.17 °F	47.6 °F	48.79 °F	49.37 °F	50.3 °F	51.25 °F	51.67 °F	52.76 °F	51.75 °F	52.16 °F	51.71 °F	51.2 °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])
T1 68665	49.29	49.74	50.93	51.41	52.35	53.08	53.21	53.83	52.09	53.15	52.79	52.37		
T2 66685	48.64	49.02	50.24	50.73	51.68	52.21	52.42	53.07	51.18	52.37	52.11	51.68		
T4 50522	49.08	49.44	50.33	50.74	51.41	52.06	52.23	52.58	51.85	52.50	52.09	51.84		
T5 50522	48.67	49.01	49.83	50.26	50.94	51.77	51.9	52.40	51.57	52.19	51.76	51.55		

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Z# 191526
INITIAL [illegible] DATE 12/25/14

ATTACHMENT 6
Page 2 of 3

6 [6] Date: From 12/25/14 to 12/25/14 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])	42.17 °F	42.16 °F	46.79 °F	49.35 °F	50.3 °F	51.25 °F	51.69 °F	52.76 °F	51.42 °F	52.16 °F	51.71 °F	51.19 °F	____ °F	____ °F
End Time (6 [13])	0631	0827 0915 12-25-14	0631	0927	1027	1127	1225	1326	1431	1531	1632	1736		
6 [13]	Operator: LM / Operator:	Operator: DA / Operator:	Operator: LM / Operator: DA	Operator: DA / Operator: LM	Operator: DA / Operator: LM	Operator: DA / Operator: LM	Operator: DA / Operator: LM	Operator: LM / Operator: DA	Operator: LM / Operator: DA	Operator: LM / Operator: DA	Operator: LM / Operator: DA	Operator: LM / Operator: DA	Operator: / Operator:	Operator: / Operator:

ATTACHMENT 6
Page 3 of 3

6.[6] Date: From 12/25/14 to 12/25/14 Location: 375

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

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Tina Aguirre	Tina Aguirre	478078	TA	12-25-14
Leon Montoya		191526	LM	12/25/14

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 12/25/14 to 12/26/14 Location: 375

	Start Time: 6.[6] 1827	Start Time: 6.[6] 1929	Start Time: 6.[6] 2030	Start Time: 6.[6] 2128	Start Time: 6.[6] 2227	Start Time: 6.[6] 2309	Start Time: 6.[6] 0028	Start Time: 6.[6] 0127	Start Time: 6.[6] 0228	Start Time: 6.[6] 0330	Start Time: 6.[6] 0427	Start Time: 6.[6] 0522	Start Time: N/A	Start Time: N/A
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])	50.98 °F	50.87 °F	51.18 °F	50.75 °F	50.79 °F	50.31 °F	50.37 °F	50.34 °F	50.06 °F	49.70 °F	49.5 °F	49.3 °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)	52.38	52.30	52.69	52.29	52.53	52.25	52.26	52.22	52.02	51.73	51.50	51.33		
68685 (T2)	51.70	51.62	51.84	51.52	51.63	51.41	51.33	51.28	51.16	50.13	50.67	50.51	N/A	N/A
50522 (T4)	51.87	51.79	52.03	51.82	51.87	51.60	51.67	51.58	51.49	51.31	51.07	50.97		
50522 (T5)	51.56	51.48	51.70	51.52	51.49	51.27	51.23	51.17	51.05	50.73	50.63	50.5		
						N/A								

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Z# 191526
INITIAL [signature] DATE 12/25/14

ATTACHMENT 6
Page 2 of 3

6 [6] Date: From 12/25/14 to 12/26/14 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])
							N/A							N/A	
Ambient Temperature (6.[12])	51.02 °F	50.93 °F	51.18 °F	50.75 °F	50.79 °F	50.31 °F	50.37 °F	50.33 °F	50.06 °F	49.70 °F	0427 49.80 °F	49.28 °F	°F	°F
End Time (6.[13])	1828	1930	2030	2129	2228	2329	0028	0128	0229	0330	49.50 0427	0525		
6 [13]	Operator: TR / Operator: DB	Operator: TR / Operator: DB	Operator: TR / Operator: DB	Operator: DB / Operator: TR	Operator: LQC / Operator: TR	Operator: LQC / Operator: TR	Operator: TR / Operator: LQC	Operator: TR / Operator: LQC	Operator: LQC / Operator: TR	Operator: LQC / Operator: TR	Operator: LQC / Operator: TR	Operator: LQC / Operator: TR	Operator: / Operator:	Operator: / Operator:

ATTACHMENT 6
Page 3 of 3

6.[6] Date: From 12/05/14 to 12/26/14 Location: 375

6.[2] Comments: Did not Enter permacon per standing order 1247 R2 All temp are Taken from Data logger in control room in Dome 375

N/A

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Willie Sanchez		1220	CSK	12-26-14
Sammy Barek	Sammy Barek	144494	SB	12-26-14
Timmy Romero		234253	TR	12-26-14

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 12-26-14 to 12-26-14 Location: Dome 375 cell 1

	Start Time: 6.[6] 0636	Start Time: 6.[6] 0736	Start Time: 6.[6] 0832	Start Time: 6.[6] 0936	Start Time: 6.[6] 1031	Start Time: 6.[6] 1131	Start Time: 6.[6] 1222	Start Time: 6.[6] 1326	Start Time: 6.[6] 1426	Start Time: 6.[6] 1524	Start Time: 6.[6] 1625	Start Time: 6.[6] 1724	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])	49.34 °F	49.25 °F	49.08 °F	49.37 °F	49.67 °F	50.02 °F	51.01 °F	51.65 °F	50.32 °F	51.27 °F	50.85 °F	49.34 °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	51.45	50.44	51.24	51.48	51.75	51.92	52.90	53.03	52.01	52.76	52.48	51.41		
68685 T2	50.56	50.63	50.42	50.67	50.96	51.09	52.11	52.18	51.16	51.91	51.65	50.45		
50522 T4	50.94	50.99	50.83	50.98	51.20	51.31	52.00	52.17	51.58	52.08	51.85	51.11		
50522 T5	50.53	50.51	50.37	50.50	50.78	50.86	51.62	51.88	51.20	51.76	51.55	50.72		

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Z# 114188
INITIAL EC DATE 12-26-14

ATTACHMENT 6
Page 2 of 3

6.[6] Date: From 12-26-14 to 12-26-14 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])	49.34 °F	49.25 °F	49.09 °F	49.42 °F	49.65 °F	50.02 °F	51.09 °F	51.65 °F	~~52~~ 50.32 °F EC 12-26-14	51.27 °F	50.83 °F	49.29 °F	°F	°F
End Time (6.[13])	0636	0736	0832	0937	1032	1131	1223	1326	1426	1524	1626	1724		
6.[13]	Operator: JM Operator:	Operator: EC Operator: JR	Operator: JM Operator: EC	Operator: JR Operator: EC	Operator: JR Operator: EC	Operator: EC Operator: JR	Operator: EC Operator: JR	Operator: EC Operator: JR	Operator: EC Operator: JR	Operator: EC Operator: JR	Operator: JR Operator: EC	Operator: JR Operator: EC	Operator: Operator:	Operator: Operator:

ATTACHMENT 6
Page 3 of 3

6.[6] Date: From 12-26-14 to 12-26-14 Location: Dome 375 Cell 1

6.[2] Comments: Did not enter Dome 375 perimeter Due to Standing order Area G 1247 R2 Temp. were taken using Data ~~Computer~~ logger computer.

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Eloy J. Gurrola		1114151	EC	12-26-14
Jackie Romero		1187061		12-26-14
[illegible]		116758		12/26/14
[illegible]		191526		12-26-14
Jaime Marquez		1286755	JM	12/26/14
		/		
		/		
		/		

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 12-26-14 to 12-27-14 Location Dome 375 cell 1

	Start Time: 6.[6] 1845	Start Time: 6.[6] 1930	Start Time: 6.[6] 2029	Start Time: 6.[6] 2126	Start Time: 6.[6] 2227	Start Time: 6.[6] 2328	Start Time: 6.[6] 0028	Start Time: 6.[6] 0128	Start Time: 6.[6] 0228	Start Time: 6.[6] 0328	Start Time: 6.[6] 0428	Start Time: 6.[6] 0528	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: NA Model: Cal. Due Date: File Number:
Ambient Temperature (6.[7])	47.19 °F	46.53 °F	46.04 °F	45.24 °F	44.98 °F	44.53 °F	43.11 °F	42.80 °F	42.15 °F	41.64 °F	40.89 °F	40.41 °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)	49.53	48.89	48.40	47.76	47.10	46.50	45.66	45.41	45.20	44.61	43.58	43.49		
68685 (T_2)	46.55	47.99	47.65	46.92	46.31	45.62	44.88	44.68	44.41	43.97	42.81	42.69		
50522 (T_4)	49.57	49.06	48.68	48.12	47.81	45.15	43.08	42.81	42.60	43.98	44.56	44.48		
50522 (T_5)	49.14	48.63	48.23	47.65	47.12	46.43	45.92	45.70	45.51	45.62	44.19	44.12		
						NA							NA	

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Z# 114188
INITIAL EC DATE 12-26-14

ATTACHMENT 6

Page 2 of 3

6.[6] Date: From 12-26-14 to 12-27-14 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])
						N								
NA							A						N	A
TR 12-27-14														
Ambient Temperature (6.[12])	47.15 °F	46.53 °F	4604 °F	45.19 °F	44.98 °F	44.53 °F	43.11 °F	42.80 °F	42.15 °F	41.64 °F	40.89 °F	40.41 °F	°F	°F
End Time (6.[13])	1846	1931	2028	2127	2227	2328	0028	0128	0229	0328	0429	0528		
6.[13]	Operator: EC Operator: JR	Operator: EC Operator: JK	Operator: EC Operator: JR	Operator: EL Operator: JR	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: [illegible] Operator: TR	Operator: [illegible] Operator: TR	Operator: NA Operator:	Operator: Operator:

ATTACHMENT 6
Page 3 of 3

6.[6] Date: From 12-26-14 to 12-27-14 Location: Dome 375 cell 1

6.[2] Comments: Did not Enter permacon per Standing order 1247 R2 All temps are taken from Data logger in control room in Dome 375

6.[7] Performed by

Operator (print)	Signature	Z#	Initials	Date
Sammy Borek	Sammy Borek	114474	SB	12-27-14
Timmy Romero	Timmy Romero	234253	TR	12-27-14
Edward Crowell	Edward Crowell	1114188	EC	12-27-14 for 12-26-14
Jackie Romero	Jackie Romero	1187066	JR	12-27-14 for 12-26-14

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 12/27/14 to 12/27/14 Location: 375

	Start Time: 6.[6] 0634	Start Time: 6.[6] 0732	Start Time: 6.[6] 0831	Start Time: 6.[6] 0929	Start Time: 6.[6] 1028	Start Time: 6.[6] 1127	Start Time: 6.[6] 1230	Start Time: 6.[6] 1330	Start Time: 6.[6] 1430	Start Time: 6.[6] 1529	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: 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])	40.45 °F	40.3 °F	41.23 °F	43.04 °F	45.4 °F	47.52 °F	50.18 °F	51.3 °F	51.29 °F	51.64 °F	50.75 °F	49.14 °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	43.07	42.92	43.6	45.25	47.43	49.48	52.15	53.03	52.93	52.72	52.53	51.28		
68685 T2	42.32	42.12	43.07	44.76	46.92	48.82	52.18	52.05	51.94	51.73	51.53	50.3		
50522 T4	44.12	43.94	44.4	45.61	47.18	47.7	50.74	51.61	51.73	51.64	51.5	50.68		
50522 T5	43.79	43.57	44.08	45.28	46.81	48.32	50.37	51.26	51.38	51.24	51.13	50.21		

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INITIAL LM DATE 12/27/14

ATTACHMENT 6
Page 2 of 3

6.[6] Date: From 12/27/14 to 12/28/14 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])
Ambient Temperature (6.[12])	40.42 °F	40.3 °F	41.26 °F	43.04 °F	95.10 °F	47.59 °F	50.22 °F	51.32 °F	51.24 °F	51.06 °F	50.75 °F	49.17 °F	°F	°F	
End Time (6.[13])	0635	0733	0832	0930	1029	1128	1231	1331	1431	1530	~~1529~~ 1629	1726			
6.[13]	Operator: NS Operator: LM	Operator: NS Operator: LM	Operator: NS Operator: LM	Operator: NS Operator: LM	Operator: LM Operator: NS	Operator: LM Operator: NS	Operator: NS Operator: LM	Operator: NS Operator: LM	Operator: NS Operator: LM	Operator: LM Operator: NS	Operator: NS Operator: LM	Operator: NS Operator: LM	Operator: Operator:	Operator: Operator:	

ATTACHMENT 6
Page 3 of 3

6.[6] Date: From 12/27/14 to 12/27/14 Location: 375

6.[2] Comments: Did not Enter 375 Permission DA TO Standing order 1247 Rev 2 Tems. ~~Forfeit~~ Electricity taken off on DATTA Logic computer.

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Norman Sanchez	Norman Sanchez	187818	NS	12/27/14
Leon Montoya		179526	LC	12-27-14
Eloy D. Gallegos		114186	EG	12-27-14
Jackie Romero	Jackie Romero	187066	JR	12-27-14

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 12-27-14 to 12-28-14 Location: 375

	Start Time: 6.[6] 1827	Start Time: 6.[6] 1928	Start Time: 6.[6] 2028	Start Time: 6.[6] 2127	Start Time: 6.[6] 2229	Start Time: 6.[6] 2330	Start Time: 6.[6] 0029	Start Time: 6.[6] 0130	Start Time: 6.[6] 0229	Start Time: 6.[6] 0325	Start Time: 6.[6] 0428	Start Time: 6.[6] 0529	Start Time: 6.[6]	Start Time: 6.[6]
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand: Model: A Cal. Due Date: N File Number	Brand: Model: A Cal. Due Date: N File Number	Brand: Model: A Cal. Due Date: N File Number	Brand: Model: A Cal. Due Date: N File Number	Brand: Model: A Cal. Due Date: 12-28-14 File Number	Brand: Model: A Cal. Due Date: N File Number	Brand: Model: A Cal. Due Date: N File Number	Brand: Model: A Cal. Due Date: N File Number	Brand: Model: A Cal. Due Date: N File Number	Brand: Model: A Cal. Due Date: N File Number	Brand: Model: A Cal. Due Date: N File Number	Brand: Model: A Cal. Due Date: N File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number
Ambient Temperature (6.[7])	47.17 °F	45.64 °F	44.5 °F	43.2 °F	42.25 °F	41.27 ~~41.47~~ 12-28-14	40.8 °F	40.5 °F	40.1 °F	39.57 °F	39.05 °F	38.65 °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])
58685T1	49.51	48.06	46.94	45.94	44.93	44.3	43.75	43.32	42.95	42.43	42.07	41.76		
58685T2	48.41	47.13	46.04	45.05	44.07	43.41	42.89	42.5	42.17	41.66	41.21	40.98		
50522T4	49.31	48.15	47.27	46.37	45.21	45.05	44.59	44.23	43.89	43.4	43.06	42.87		
50522T5	4883	47.75	46.84	45.93	45.6	44.58	44.13	43.8	43.43	42.98	42.61	42.36		

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Z# 191526
INITIAL [illegible] DATE 12-27-14

ATTACHMENT 6
Page 2 of 3

6.[6] Date: From 12-27-14 to 12-28-14 Location: 325

Container ID # (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])
Ambient Temperature (6.[12])	47.17 °F	45.64	44.52	43.3	42.25	41.33	40.84 °F	40.61 °F	40.1 °F	39.57 °F	39.05	38.74		°F	°F	
End Time (6.[13])	1828	1929	2029	2128	2228	2331	0030	0131	0230	0326	0429	0530				
6.[13] Operator:	JA	JA	JA	JA	JA	JA	JA	JA	JA	JA	JA	JA	Operator:	Operator:	Operator:	Operator:
Operator:	JW	JW	JW	JW	JW	JW	JW	JW	JW	JW	JW	JW	Operator:	Operator:	Operator:	Operator:

ATTACHMENT 6
Page 3 of 3

6.[6] Date: From 12-27-14 to 12-29-14 Location: 375

6.[2] Comments: Did not enter due to Standbiy Order 1246 R2 all Temps were taken Data Logger Computer In Done 375.

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Tina Halisveld	Tina Halisveld	116788	TH	12-29-14
Joshua Lopez	Joshua Lopez	116578	JL	12-29-14

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 12.28.14 to 12.28.14 Location: Dome 375 cell 1

	Start Time: 6.[6] 0634	Start Time: 6.[6] 0736	Start Time: 6.[6] 0831	Start Time: 6.[6] 0929	Start Time: 6.[6] 1028	Start Time: 6.[6] 1124	Start Time: 6.[6] 1230	Start Time: 6.[6] 1329	Start Time: 6.[6] 1427	Start Time: 6.[6] 1527	Start Time: 6.[6] 1629	Start Time: 6.[6] 1725	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: Cal. Due Date: 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	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number
Ambient Temperature (6.[7])	34.28 °F	38.53 °F	39.44 °F	42.05 °F	44.79 °F	47.51 °F	50.15 °F	51.61 °F	51.9 °F	51.34 °F	50.7 °F	48.62 °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])
6Y685 T1	41.43	41.34	42.43	44.24	46.8	49.44	51.89	53.18	53.21	52.68	52.29	50.74		
6Y685 T2	40.6	40.59	41.79	43.71	46.27	48.69	51.02	52.19	52.2	51.71	51.39	49.61		
50522 T4	42.45	42.39	43.1	44.49	46.37	48.31	50.22	51.41	51.61	51.36	51.16	50.04		
50522 T5	42.04	42.0	42.76	44.08	46.04	47.9	50.86	51.06	51.34	50.99	50.75	49.55		

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Z# 114188
INITIAL EC DATE 12.28.14

ATTACHMENT 6
Page 2 of 3

6.[6] Date: From 12-28-14 to 12.28.14 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])	38.28 °F	38.53 °F	39.84 °F	42.06 °F	44.83 °F	47.5 °F	50.15 °F	51.61 °F	51.9 °F	51.34 °F	50.7 °F	49.5 °F	°F	°F
End Time (6.[13])	0635	0737	0832	0930	1029	1125	12:31	1330	1428	1528	1630	1726		
6.[13]	Operator: JM Operator: LM	Operator: JM Operator: LM	Operator: JM Operator: LM	Operator: JM Operator: LM	Operator: JM Operator: LM	Operator: LM Operator: JM	Operator: LM Operator: JM	Operator: JM Operator: LM	Operator: LM Operator: JM	Operator: JM Operator: LM	Operator: LM Operator: JM	Operator: LM Operator: JM	Operator: Operator:	Operator: Operator:

ATTACHMENT 6
Page 3 of 3

6.[6] Date: From 12-28-14 to 12-28-14 Location: Dome 375 cell 1

6.[2] Comments: Did not enter 375 formacons per. standing order 1248. got Temps off computer data.

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Leon Montoya	Leon Montoya	191536	LC	12-28-14
JARYD MARQUEZ	JMarquez	1286755	JM	12/28/14
Elon J. Gallegos	Elon J. Gallegos	1114188	EG	12-28-14
Jackie Romero	Jackie Romero	1187066	JR	12-28-14

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 12-28-14 to 12-29-14 Location: Dome 375

	Start Time: 6.[6] 1830	Start Time: 6.[6] 1928	Start Time: 6.[6] 2023	Start Time: 6.[6] 2129	Start Time: 6.[6] 2225	Start Time: 6.[6] 2327	Start Time: 6.[6] 0029	Start Time: 6.[6] 0127	Start Time: 6.[6] 0229	Start Time: 6.[6] 0325	Start Time: 6.[6] 0425	Start Time: 6.[6] 0528	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])	46.36 °F	45.29 °F	44.55 °F	43.52 °F	43.01 °F	41.86 °F	41.64 °F	41.47 °F	41.26 °F	40.81 °F	40.32 °F	40.16 °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])
T(1) 68685	48.65	47.53	46.82	45.84	45.38	44.36	44.18	43.98	43.75	43.37	43.12	42.8		
T(2) 68685	47.71	46.59	45.93	44.98	44.55	43.51	43.37	43.21	42.93	42.57	42.18	41.96		
T(4) 50522	48.47	47.5	46.88	46.17	45.78	44.91	44.75	44.56	44.32	44.0	43.76	43.52		
T(5) 50522	47.95	47.13	46.56	45.8	45.41	44.51	44.58	44.18	43.92	43.65	43.32	43.12		
						N/A								

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Z# 234253
INITIAL JR DATE 12-29-14

ATTACHMENT 6
Page 2 of 3

6.[6] Date: From 12-28-14 to 12-29-14 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])	46.33 °F	45.29 °F	44.50 °F	43.58 °F	43.01 °F	41.86 °F	41.64 °F	41.43 °F	41.23 °F	40.81 °F	40.36 °F	40.16 °F	°F	°F
End Time (6.[13])	1831	1928	2024	2130	2225	2327	0029	0128	0230	0325	0425	0528		
6.[13]	Operator: LQC / Operator: TR	Operator: LQC / Operator: TR	Operator: LQC / Operator: TR	Operator: LQC / Operator: TR	Operator: LQC / Operator: TR	Operator: LQC / Operator: TR	Operator: LQC / Operator: TR	Operator: LQC / Operator: TR	Operator: LQC / Operator: TR	Operator: LQC / Operator: TR	Operator: LQC / Operator: TR	Operator: LQC / Operator: TR	Operator: / Operator:	Operator: / Operator:

N/A

N/A

ATTACHMENT 6
Page 3 of 3

6.[6] Date: From 12-28-14 to 12-29-14 Location: Dome 375

6.[2] Comments: Did not enter Penacco in Dome 375 Per Standing Order 1247 Rev. 2 Temps taken from Control room in dome 375 using data logger.

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
William S. Robertson	[signature]	115078	WSR	12-29-14
Timmy Romero	[signature]	234053	TR	12-29-14
	N/A			

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

8.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date