From: Haagenstad, Mark P
Sent: Monday, February 23, 2015 4:45 PM
To: Ryan.Flynn@state.nm.us; Jeff.Kendall@state.nm.us; John Kieling; steve.pullen@state.nm.us; 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; kathryn.roberts@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; 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; Juarez, Catherine L; Cabbil, Cheryl Denise; Young, Steven L; Erickson, Randy; Funk, David John; Alexander, Rick A; Frederici, Dave; Juarez, Catherine L; Robinson, Bruce Alan; Lansing, Michael Alan; Tymkowych, John M; Diaz, Tammy; Haagenstad, Mark P
Subject: Daily Technical Submission - February 23, 2015

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

Please contact me if additional information would be helpful.

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

NMED / LANL Technical Summary

February 23, 2015

LANL Technical Update:

- **Location of Nitrate Salt-Bearing Wastes**
  - Remediated nitrate salt-bearing waste containers.
    - All containers remain in the 375 Permacon.
  - Unremediated nitrate salt-bearing waste containers.
    - All containers remain in the 231 Permacon.
- **Monitoring - Daily Temperature**
  - Temperatures remain below 90°F.
    - Previous 3 days' 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.
      - February 21-23, 2015 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 February, 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.
      - February 23, 2015 HSG data attached.
- **Anticipated Changes to Nitrate Salt-Bearing Waste Containers (e.g. movement, re-packaging)**
  - Currently, no further movements or re-packaging are occurring.

Other

Next Call: Tuesday, February 24, 2015

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	---	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. Submitted RTR Videos 301-312 on January 15, 2015.
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	---	Complete Email- February 3, 2015 Letter- February 19, 2015
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.	
48.	Schedule a seventh update on LANL efforts – including teams.	LANL/ NMED	---	Complete January 29, 2015
49.	Fire suppression repair plan for Dome 231	LANL	---	This repair plan is no longer necessary because drum movement did not occur during the repair process. Repair is complete.
50.	NMED requested information regarding solution packages 36, 37, 57 and 78.	LANL	Email sent February 17, 2015. Letter to follow.	

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**
02/21/15	133	390	8578	2204								
02/22/15	106	282	7185	1852								
02/23/15	111	333	8314	2123	187	480	12648	1676	111	274	6616	333

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**
02/21/15												
02/22/15												
02/23/15	322	696	16289	3161	453	765	16604	2114	610	570	12004	2227

Remediated Nitrate Salt Container Headspace Gas Analysis

	SB50522			
Date	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**
02/21/15	2138	412	34875	970
02/22/15	1664	378	30646	891
02/23/15	2195	435	34543	957

ATTACHMENT 2
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TA-54 AREA G TA-54-231 NITRATE SALT TRU WASTE CONTAINER DAILY TEMPERATURE DATA SHEET

6.[6] Date: From 2/16/15 to 2-22-15

	Monday 6.[6] Start Time: 0808	Tuesday 6.[6] Start Time: 0910	Wednesday 6.[6] Start Time: 0915	Thursday 6.[6] Start Time: 1049	Friday 6.[6] Start Time: 0811	Saturday 6.[6] Start Time: 0800	Sunday 6.[6] Start Time: 0759
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: 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 101	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
Ambient Temperature (6.[7])	46.7 °F	53.9 °F	55.2 °F	57.6 °F	50.1 °F	50.3 °F	47.4 °F
Container ID #	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])
S818435	48.2	52.2	51.4	55.5	53.7	52.2	48.3
S802833	48.9	51.3	51.8	54.5	52.8	51.4	48.2
S801676	50.1	51.5	48.6	54.2	53.2	51.8	48.3
S816810	53.8	56.8	52.3	57.4	58.8	57.1	51.4
70069	54.0	55.0	51.1	56.8	59.0	57.2	51.2
S822844	54.9	57.2	50.9	57.3	59.1	58.0	51.5
S825879	53.3	56.6	52.4	57.8	58.4	56.8	51.2
S793724	53.8	56.7	53.3	58.2	58.9	57.3	51.5
S813545	52.9	55.4	52.0	56.7	57.5	55.9	51.1
S822713	52.0	54.5	55.0	56.4	56.8	55.3	50.2
S802739	51.0	53.2	52.4	55.7	55.3	53.7	49.5
69907	50.0	52.8	53.1	55.7	54.8	53.1	48.9
S804995	50.6	53.2	52.0	56.0	55.2	53.8	49.4
S816434	50.8	54.0	51.1	56.7	55.5	54.0	49.8

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ATTACHMENT 2
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6.[6] Date: From 2·16·15 to 2·22·15

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	50.7	53.4	51.2	54.2	55.2	53.5	49.5
S862888	51.1	52.8	51.6	54.3	55.1	53.8	50.2
70072	50.7	53.1	53.9	53.8	55.0	53.6	49.5
S823184	51.6	53.9	50.8	56.2	56.3	54.7	50.2
S822599	52.1	53.5	53.8	57.3	57.0	55.3	51.0
69904	52.7	54.9	52.4	57.0	57.5	56.0	51.1
S805051	53.3	55.8	53.2	57.5	57.7	56.7	51.3
S864213	53.2	55.7	52.7	57.1	57.7	56.4	51.4
S853714	53.8	55.6	53.3	57.0	58.5	56.9	51.8
S803078	53.1	56.0	56.0	57.1	58.2	56.5	51.1
S825878	52.9	55.4	52.7	57.5	57.4	56.4	51.1
S823124	52.5	55.3	52.7	57.3	57.3	56.0	~~50.1~~ 51.0
S804948	51.3	53.6	53.5	56.2	55.3	54.0	~~50.0~~ 50.1
S813385	50.8	52.6	52.9	56.8	55.1	53.5	50.0
S842446	51.4	53.2	52.3	56.6	55.3	54.0	50.8
Ambient Temperature (6.[12])	46.2 °F	53.2 °F	51.4 °F	55.2 °F	50.8 °F	50.1 °F	48.1 °F
End Time (6.[13])	0816	0915	0935	1101	0821	0806	0805
6.[13]	Operator: JR Operator: EC	Operator: [signature] Operator: [signature]	Operator: [signature] Operator: [signature]	Operator: [signature] Operator: [signature]	Operator: JR Operator: EC	Operator: JR Operator: EC	Operator: JR Operator: EC

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6.[6] Date: From 2-16-15 to 2-22-15

6.[2] Comments: _____

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Jackie Romero	Jackie Romero	1187066	JR	12-16-15
Elot J. Colon-A		1114188	EC	2-16-15
Alfredo Aquilar	Alfredo Aquilar	293128	AA	2-17-15
THOMAS VIGIL		236382		2/17/15
Josephine Duran	Duran	115797	JD	2/18/15
Alfredo Aquilar	Alfredo Aquilar	293128	AA	2-18-15
Josephine Duran	Duran	115797	JD	2/19/15
THOMAS VIGIL		236382		2/19/15
Jackie Romero	Jackie Romero	1187066	JR	12-20-15
Elot J. Colon-A		1114188	EC	2-20-15
Jackie Romero	Jackie Romero	1187066	JR	12-21-15
Elot J. Colon-A		1114188	EC	2-21-15
Jackie Romero	Jackie Romero	1187066	JR	12-22-15
Elot J. Colon-A		1114188	EC	2-22-15

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 2-16-15 to 2-22-15

IPC-1

	Monday 6.[6] Start Time: 0726	Tuesday 6.[6] Start Time: 0955	Wednesday 6.[6] Start Time: 1506	Thursday 6.[6] Start Time: 1400	Friday 6.[6] Start Time: 0733	Saturday 6.[6] Start Time: 0721	Sunday 6.[6] Start Time: 0722
TA-54-375 Cell 1							
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand: Fluke Model: 561 Cal. Due Date: 6/12/15 File Number 101915	Brand: Fluke Model: 561 Cal. Due Date: 6/12/15 File Number 101915	Brand: Fluke Model: 561 Cal. Due Date: 6-12-15 File Number 101915	Brand: FLUKE Model: 561 Cal. Due Date: 6-12-15 File Number 101915	Brand: fluke Model: 561 Cal. Due Date: 6/12/15 File Number 101915	Brand: fluke Model: 561 Cal. Due Date: 6/12/15 File Number 101915	Brand: fluke Model: 561 Cal. Due Date: 6/12/15 File Number 101915
Ambient Temperature (6.[7])	46.6 °F	50.7 °F	56.6 °F	58.9 °F	50.2 °F	50.2 °F	49.5 °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	49.6	53.7	57.8	59.9	52.5	52.5	51.6
LA00000070503 68540	49.5	53.6	57.6	59.5	52.6	52.6	51.6
LA00000070503 68553	48.9	52.0	57.8	59.6	52.1	52.3	50.4
69445	49.0	52.8	58.4	60.0	51.5	53.2	51.3
69618	48.4	52.3	58.3	59.8	51.4	51.1	51.5
69013	50.5	53.5	58.3	59.8	53.0	53.0	52.0
LASB50522	51.6	54.6	58.4	59.8	54.1	54.6	53.5
LASB50452	50.9	54.8	58.2	60.1	54.3	54.7	53.5
LASB50431	51.7	54.8	58.4	59.5	54.2	54.7	53.2
LASB50069	51.3	54.2	57.8	59.6	53.4	54.7	52.6
LASB50073	51.2	54.2	57.5	59.5	53.6	54.0	52.9
69636	51.7	55.2	58.4	~~59.3~~ 2-19-15 59.3	54.3	54.8	54.0
69616	52.5	54.4	58.2	59.5	54.7	53.8	53.8
69417	51.1	54.1	58.5	59.7	53.9	54.1	53.3

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6.[6] Date: From 2·16·15 to 2·22·15

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	51.2	54.5	58.3	59.7	53.5	54.0	53.4
69520	52.0	54.2	58.2	59.6	53.8	53.7	53.5
69641	52.2	54.5	58.5	60.0	54.3	54.6	54.0
69298	52.7	54.7	58.7	59.8	54.5	54.8	54.0
LASB02203	52.6	54.8	58.7	59.8	54.4	54.4	53.8
Ambient Temperature (6.[12])	46.7 °F	51.8 °F	57.0 °F	59.3 °F	50.3 °F	50.7 °F	50.6 °F
End Time (6.[13])	0730	1001	1510	1403	0734	0724	0725
6.[13]	Operator: [signature] MS	Operator: [signature]	Operator: EP [signature]	Operator: [signature]	Operator: [signature] [signature]	Operator: [signature] [signature]	Operator: MS [signature]

6.[2] Comments:

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6.[6] Date: From 2-16-15 to 2-22-15

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Thomas Vigil	[signature]	123382	TV	2/16/15
Norman Sanchez	Norman Sanchez	187818	NS	2/16/15
Thomas Vigil	[signature]	123382	TV	2/17/15
Tony Sena	[signature]	237394	TS	2/17/15
Edward Pacheco	Edward Pacheco	100497	EP	2-18-15
Leon Montoya	[signature]	191526	[initials]	2-18-15
Juan Garcia	Juan Garcia	169840	JG	2-19-15
Leon Montoya	[signature]	191526	[initials]	2/19/15
Larry Brito	L Brito	116405	LB	2-20-15
Leon Montoya	[signature]	191526	[initials]	2-20-15
Larry Brito	L Brito	116405	LB	2-21-15
Leon Montoya	[signature]	191526	[initials]	2-21-15
Norman Sanchez	Norman Sanchez	187818	NS	2/22/15
Leon Montoya	[signature]	191526	[initials]	2/22/15

8.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date

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

6.[6] Date: From 2-16-15 to 2-22-15

	Monday 6.[6] Start Time: 0731	Tuesday 6.[6] Start Time: 1052	Wednesday 6.[6] Start Time: 1511	Thursday 6.[6] Start Time: 1404	Friday 6.[6] Start Time: 0735	Saturday 6.[6] Start Time: 0726	Sunday 6.[6] Start Time: 0727
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])	49.9 °F	53.9 °F	58.2 °F	59.8 °F	53.2 °F	52.5 °F	54.4 °F
Container ID #	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])
LASB02198	49.5	53.8	57.4	59.1	52.9	52.6	55.3
68638	51.1	54.6	59.3	60.4	53.6	53.5	56.9
69615	51.0	55.5	60.1	60.3	54.3	54.1	55.3
69635	51.7	56.3	60.1	61.1	54.9	55.0	56.1
69642	50.6	56.0	59.4	60.8	54.1	53.9	54.5
69630	50.1	56.2	59.2	60.8	54.0	54.0	54.6
69633	51.6	55.5	59.8	60.6	54.2	54.4	56.1
68430	51.0	54.9	58.8	60.6	53.7	53.7	55.4
68631	50.0	54.4	58.4	60.5	53.7	53.9	55.1
69634	49.8	54.0	58.0	~~59.8~~ 59.6	53.7	53.3	55.9
68567	49.2	53.6	57.6	58.9	53.2	52.8	56.7
94227	50.3	54.9	58.5	60.3	54.2	53.7	55.6
LASB50442	51.3	56.2	59.2	60.6	54.5	55.0	56.6
69644	51.5	55.9	59.5	60.9	54.6	54.9	56.5
LASB50443	49.7	54.7	58.3	60.2	54.2	53.9	55.6
69638	51.1	54.3	59.9	61.2	55.3	55.1	56.3

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6.[6] Date: From 2·16 to 2·22·15

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	52.6	58.3	59.7	60.6	54.7	54.6	56.6
68507	51.9	56.0	59.9	61.0	55.0	54.7	56.8
69568	50.7	54.2	58.8	60.0	53.8	53.5	55.5
69553	50.4	53.5	57.9	58.7	53.5	53.2	55.6
69598	50.1	54.1	57.6	58.8	53.7	53.5	56.0
LASB50559	51.5	54.7	58.9	59.8	54.5	53.8	56.2
69015	51.6	55.4	60.0	61.0	55.3	54.9	57.3
69639	52.0	55.9	60.1	60.8	55.9	55.5	57.8
69637	51.7	54.8	60.4	61.1	55.0	55.1	57.5
Ambient Temperature (6.[12])	49.7 °F	53.6 °F	58.2 °F	59.7 °F	53.5 °F	52.8 °F	54.8 °F
End Time (6.[13])	0739	1008	1514	1408	0738	0728	0729
6.[13]	Operator: Operator: NS	Operator: Operator:	Operator: LSP Operator:	Operator: Operator:	Operator: LB Operator:	Operator: LB Operator:	Operator: NS Operator:

6.[2] Comments:

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6.[6] Date: From 2·16·15 to 2·22·15

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
THOMAS VIGIL		124382		2/16/15
Norman Sanchez	Norman Sanchez	187818	NS	2/16/15
THOMAS VIGIL		124382		2/17/15
Tony Sena		123732		2/17/15
Richard Probes		100467	REP	2-18-15
Leon Montoya		191526		2-19-15
Juan Garcia		116840		12-19-15
Leon Montoya		191526		2-19-15
Larry Brito	LBrito	116405	LB	2-20-15
Leon Montoya		191526		2-20-15
Larry Brito	LBrito	116405	LB	2-21-15
Leon Montoya		191526		2-21-15
Norman Sanchez	Norman Sanchez	187818	NS	2/22/15
Leon Montoya		191526		2-22-15

8.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date

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

6.[6] Date: From 2-16-15 to 2-22-15

	Monday 6.[6] Start Time: 0720	Tuesday 6.[6] Start Time: 0947	Wednesday 6.[6] Start Time: 1503	Thursday 6.[6] Start Time: 1356	Friday 6.[6] Start Time: 0728	Saturday 6.[6] Start Time: 0717	Sunday 6.[6] Start Time: 0719
TA-54-375 Cell 3							
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand: Fluke Model: 561 Cal. Due Date: 6/12/15 File Number 101916	Brand: Fluke Model: 561 Cal. Due Date: 6/12/15 File Number 101916	Brand: Fluke Model: 561 Cal. Due Date: 6-12-15 File Number 101916	Brand: FLUKE Model: 561 Cal. Due Date: 6-12-15 File Number 101916	Brand: fluke Model: 561 Cal. Due Date: 6/12/15 File Number 101916	Brand: fluke Model: 561 Cal. Due Date: 6/12/15 File Number 101916	Brand: fluke Model: 561 Cal. Due Date: 6/12/15 File Number 101916
Ambient Temperature (6.[7])	50.0 °F	53.1 °F	59.8 °F	60.2 °F	53.2 °F	53.1 °F	53.2 °F
Container ID #	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])
69519	52.4	54.1	59.9	60.2	54.9	54.6	55.3
69645	52.7	54.0	60.4	60.4	55.1	55.1	55.4
94068	52.8	54.3	60.1	60.5	54.9	54.7	55.6
93605	51.2	53.0	59.6	60.2	53.9	53.8	54.7
69548	51.4	53.2	59.5	59.9	53.9	53.8	54.6
69604	52.0	53.2	60.5	59.7	54.3	54.3	55.1
LASB50529	52.8	54.2	60.0	60.0	54.8	54.4	55.2
LASB50418	51.4	53.5	60.9	60.4	54.9	55.1	54.7
69036	51.4	53.8	60.4	60.5	54.3	54.1	54.6
LASB50451	51.2	53.6	60.7	60.8	54.5	53.0	53.7
69559	52.0	53.4	59.9	59.9	54.1	53.6	54.2
LASB50448	50.9	52.6	57.4	60.3	53.6	53.1	54.0
Ambient Temperature (6.[12])	50.1 °F	53.7 °F	60.0 °F	60.1 °F	52.9 °F	52.6 °F	53.6 °F
End Time (6.[13])	0725	0954	1505	1359	0731	0720	0721
6.[13]	Operator: RV Operator: NS	Operator: RV Operator:	Operator: EP Operator:	Operator: CM Operator:	Operator: LB Operator:	Operator: LB Operator:	Operator: NS Operator:

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6.[6] Date: From 2-16-15 to 2-22-15

6.[2] Comments:

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
THOMAS TIETJEN		236382		2/16/15
Norman Sanchez	Norman Sanchez	1184818	NS	2/16/15
THOMAS TIETJEN		236382		2/17/15
Tony Sena		237392		2/17/15
Edward Pacheco	Edward Pacheco	1100497	EP	2/18/15
Leon Montoya		191526		2-18-15
Juan Garcia		1169840		2-19-15
Leon Montoya		191526		2-20-15
Larry Brito	LBrito	1116405	LB	2-20-15
Leon Montoya		191526		2-20-15
Larry Brito	LBrito	1116405	LB	2-21-15
Leon Montoya		191526		2-21-15
Norman Sanchez	Norman Sanchez	1184818	NS	12/22/15
Leon Montoya		191526		2-22-15

8.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date

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

6.[6] Date: From 2-2015 to 2-2015 Location: Dome 375 Cell 1

	Start Time: 6.[6] 0630	Start Time: 6.[6] 0729	Start Time: 6.[6] 0829	Start Time: 6.[6] 0930	Start Time: 6.[6] 1030	Start Time: 6.[6] 1129	Start Time: 6.[6] 1229	Start Time: 6.[6] 1329	Start Time: 6.[6] 1428	Start Time: 6.[6] 1527	Start Time: 6.[6] 1631	Start Time: 6.[6] 1727	Start Time: 6.[6]	Start Time: 6.[6]
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number
Ambient Temperature (6.[7])	51.03 °F	51.09 °F	52.16 °F	52.2 °F	54.13 °F	56.24 °F	58.31 °F	60.39 °F	61.76 °F	61.63 °F	60.47 °F	58.92 °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 186855	52.34	52.45	53.35	52.64	54.13	56.13	58.24	60.02	61.32	61.42	60.39	58.91		
T2 186855	51.66	51.80	52.69	52.01	53.52	55.34	57.34	59.05	60.32	60.34	57.42	58.03		
T4 50522	52.29	52.34	52.97	52.62	53.68	55.11	58.34	58.17	59.24	59.5	59.0	57.79		
T5 50522	51.97	52.05	52.74	52.46	53.73	55.27	56.89	58.34	59.41	59.52	58.87	57.9		

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6.[6] Date: From 2-20-15 to 2-20-15 Location: Dome 375 Cell 1

Container ID # (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])
Ambient Temperature (6.[12])	51.63 °F	51.09 °F	52.18 °F	52.2 °F	54.18 °F	56.28 °F	58.36 °F	60.39 °F	61.8 °F	61.62 °F	60.45 °F	58.92 °F	____ °F	____ °F
End Time (6.[13])	0631	0730	0830	0931	1031	11:30	1230	1330	1429	1528	1631	1728		
6.[13]	Operator: LM Operator: NS	Operator: NS Operator: LB	Operator: LB Operator:	Operator: LB Operator:	Operator: LB Operator:	Operator: LM Operator: NS	Operator: NS Operator:	Operator: LB Operator:	Operator: NS Operator: LB	Operator: LB Operator:	Operator: LB Operator:	Operator: LM Operator: LB	Operator: Operator:	Operator: Operator:

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6.[6] Date: From 2·20·15 to 2·20·15 Location: Dome 375 & 11 1

6.[2] Comments: N/A
Did not enter dome 375 perma con due to standing order 1247.
Temps. were taken useing data loger computer.

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Norman Sanchez	Norman Sanchez	187818	NS	2/20/15
Larry Brito	L Brito	116405	LB	2/20/15
Leon Montoya	[signature]	191526	[initials]	2-20-15
Eloy D. Cordova	ED [signature]	114168	EC	2-20-15
Jackie Romero	Jackie Romero	187066	JR	2-20-15
N/A				

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

8.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date

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

6.[6] Date: From 2-20-15 to 2-21-15 Location: Dome 375

	Start Time: 6.[6] 1831	Start Time: 6.[6] 1930	Start Time: 6.[6] 2031	Start Time: 6.[6] 2125	Start Time: 6.[6] 2227	Start Time: 6.[6] 2330	Start Time: 6.[6] 0030	Start Time: 6.[6] 0128	Start Time: 6.[6] 0230	Start Time: 6.[6] 0330	Start Time: 6.[6] 0431	Start Time: 6.[6] 0525	Start Time: 6.[6]	Start Time: 6.[6]
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: 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	Brand: Model: Cal. Due Date: File Number
Ambient Temperature (6.[7])	55.92 °F	54.13 °F	52.13 °F	51.56 °F	52.39 °F	52.11 °F	52.05 °F	51.01 °F	50.58 °F	50.97 °F	51.14 °F	50.68 °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)	55.95	54.22	52.33	51.79	53.04	52.95	52.98	51.95	51.64	52.08	52.3	52.04		
68685 T(2)	55.09	53.54	51.75	51.24	52.42	52.44	52.46	51.44	51.05	51.38	51.66	51.45		
50522 T(4)	55.72	54.4	52.89	52.39	53.2	53.09	52.90	52.27	52.08	52.39	52.41	52.13	N	
50522 T(5)	55.43	54.08	52.54	52.14	53.0	52.84	52.67	52.03	51.80	52.05	52.14	51.85	A	
							NA							

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6.[6] Date: From 2-20-15 to 2-21-15 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])
							N/A								
Ambient Temperature (6.[12])	55.88 °F	54.12 °F	52.11 °F	51.55 °F	52.33 °F	52.11 °F	52.05 °F	51.01 °F	50.58 °F	50.97 °F	50.47 °F	50.68 °F	°F	°F
End Time (6.[13])	1831	1931	2032	2125	2227	2331	0030	0128	0230	0331 ~~0333~~	0432	0525		
6.[13]	Operator: MV Operator: WJC	Operator: MV Operator: WJC	Operator: MV Operator: WJC	Operator: MV Operator: WJC	Operator: MV Operator: GE	Operator: GE Operator: WJC	Operator: WJC Operator: DL	Operator: WJC Operator: DL	Operator: WJC Operator: GE	Operator: DL Operator: ~~GE~~ WJC	Operator: GE Operator: WJC	Operator: WJC Operator: GE	Operator: Operator:	Operator: Operator:

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6.[6] Date: From 2-20-15 to 2-21-15 Location: Dome 375

6.[2] Comments: Did not Enter Permacon per Standing order 1247.R.2 All temps are taken from data logger in Control room in Dome 375

NO Further entries @ 0545 [illegible] Z#[illegible] 2-21-15

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Michael Vigil	[signature]	Z15267	MV	2-20-15
Willie J. Cordova	[signature]	V117907	WJC	2-20-15
Gerald Espinoza	[signature]	120570	GE	02 20 15
	N/A			

Operator (print)	Signature	Z#	Initials	Date
	NA			

8.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date

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

6.[6] Date: From 2-21-15 to 2-21-15 Location: Dome 375

	Start Time: 6.[6] 0630	Start Time: 6.[6] 0730	Start Time: 6.[6] 0827	Start Time: 6.[6] 0931	Start Time: 6.[6] 1023	Start Time: 6.[6] 1128	Start Time: 6.[6] 1225	Start Time: 6.[6] 1327	Start Time: 6.[6] 1427	Start Time: 6.[6] 1531	Start Time: 6.[6] 1629	Start Time: 6.[6] 1720	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: N A Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number NA	Brand: Model: Cal. Due Date: File Number
Ambient Temperature (6.[7])	50.86 °F	51 °F	52.53 °F	52.44 °F	52.86 °F	53.77 °F	53.81 °F	53.91 °F	54.12 °F	54.54 °F	54.51 °F	53.98 °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	52.39	52.54	53.16	53.6	53.45	53.97	53.96	54.01	54.25	54.63	54.58	54.07		
68685T2	51.76	51.87	52.50	53.05	52.76	53.37	53.30	53.43	53.68	54.02	53.94	53.46		
50522T3	52.36	52.47	52.93	53.14	53.3	53.71	53.79	53.81	53.97	54.3	54.32	54.39		
50522T5	52.36	52.16	52.63	52.94	53.15	53.64	53.69	53.72	53.96	54.25	54.25	53.87		
													NA	
							NA							

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Z# 187066
INITIAL JR DATE 2-21-15

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6.[6] Date: From 2-21-15 to 2-21-15 Location: Dome 375

Container ID # (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])
Ambient Temperature (6.[12])	50.88 °F	50.97 °F	51.73 °F	52.55 °F 0934	52.86 °F	53.36 °F	53.81 °F	53.9 °F	54.15 °F	54.52 °F	54.51 °F	53.95 °F	____ °F	____ °F
End Time (6.[13])	0634	0731	0828	~~0934~~ EP 2-21-15	1625	1130	1227	1328	1429	1532	1631	1725		
6.[13]	Operator: EP / Operator: LB	Operator: LB / Operator:	Operator: LB / Operator:	Operator: EP / Operator: LB	Operator: EP / Operator: LB	Operator: EP / Operator: LB	Operator: Lm / Operator: LB	Operator: EP / Operator: Lm	Operator: Lm / Operator: EP	Operator: EP / Operator: Lm	Operator: Lm / Operator: EP	Operator: EP / Operator: Lm	Operator: / Operator:	Operator: / Operator:

ATTACHMENT 6

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6.[6] Date: From 2-21-15 to 2-21-15 Location: Dome 375

6.[2] Comments: Did not enter Dome 375 perimeter due to standing order 1247 EC 2-21-15 Temps were taken using Data logger computer

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Larry Brito	LBrito	116405	LB	2-21-15
Leon Montoya	[signature]	1191526	Lm	2-21-15
Edward Pacheco	Edward Pacheco	1004971	EP	2-21-15
Eloy O. Cordova	[signature]	1114109	EC	2-21-15
Jackie Romero	Jackie Romero	1187066	JR	2-21-15
N/A				

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

8.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date

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

6.[6] Date: From 2-21-15 to 2-22-15 Location: Dome 375

	Start Time: 6.[6] 1931	Start Time: 6.[6] 1930	Start Time: 6.[6] 2029	Start Time: 6.[6] 2131	Start Time: 6.[6] 2232	Start Time: 6.[6] 2327	Start Time: 6.[6] 0032	Start Time: 6.[6] 0132	Start Time: 6.[6] 0230	Start Time: 6.[6] 0327	Start Time: 6.[6] 0430	Start Time: 6.[6] 0525	Start Time: 6.[6]	Start Time: 6.[6]
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand: Model: Cal. Due Date: 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])	52.63 °F	51.76 °F	53.22 °F	51.28 °F	52.11 °F	52.32 °F	51.93 °F	50.80 °F	50.91 °F	51.05 °F	51.54 °F	51.74 °F	N/A °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)	52.77	51.96	53.84	51.86	53.04	53.25	52.92	51.89	52.10	52.39	52.68	52.91		
68685(T2)	52.21	51.37	53.40	51.26	52.38	52.71	52.39	51.24	51.54	51.68	51.99	52.34		
50522(T4)	53.04	52.32	53.34	52.32	52.99	52.93	52.69	52.10	52.23	52.48	52.63	52.65		
50522(T5)	52.84	52.15	53.25	52.01	52.78	52.71	52.46	51.84	52.05	52.19	52.32	52.41		
							N/A							

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INITIAL JR DATE 2-21-15

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6.[6] Date: From 2-21-15 to 2-22-15 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])	52.63 °F	51.75 °F	53.22 °F	51.25 °F	52.11 °F	52.32 °F	51.93 °F	50.88 °F	50.91 °F	51.25 °F	51.48 °F	51.74 °F	____ °F	____ °F
End Time (6.[13])	1831	1936	2030	2132	2232	~~0038~~ 0328	0032	0133	0230	0327	0430	0525		
6.[13]	Operator: TT / Operator: BE	Operator: GE / Operator: TT	Operator: GE / Operator: TT	Operator: TT / Operator: GE	Operator: TT / Operator: GE	Operator: TT / Operator: GE	Operator: GE / Operator: TT	Operator: TT / Operator: GE	Operator: TT / Operator: GE	Operator: TT / Operator: GE	Operator: GE / Operator: TT	Operator: GE / Operator: TT	Operator: N/A / Operator:	Operator: / Operator:

2-21-15

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6.[6] Date: From 2-21-15 to 2-22-15 Location: Dome 375
R2-21-15

6.[2] Comments: ~~Unable~~ Unable to enter Dome 375 Cell 1 due to SO-1247. Temps are obtained in the control Room on the computer Data Logger. Pancho Miera 235765 PMS

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Pancho Miera	PMS	235765	PM	2-22-15
Gerald Espinoza		1.209761	GE	02 2215

8.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date

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

6.[6] Date: From 2-22-15 to 2-22-15 Location: Dome 375

	Start Time: 6.[6] 0630	Start Time: 6.[6] 0728	Start Time: 6.[6] 0831	Start Time: 6.[6] 0925	Start Time: 6.[6] 1028	Start Time: 6.[6] 1130	Start Time: 6.[6] 1233	Start Time: 6.[6] 1331	Start Time: 6.[6] 1431	Start Time: 6.[6] 1529	Start Time: 6.[6] 1628	Start Time: 6.[6] 1729	Start Time: 6.[6] N/A	Start Time: 6.[6] N/A
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number
Ambient Temperature (6.[7])	51.78 °F	50.58 °F	50.73 °F	50.79 °F	50.75 °F	50.62 °F	50.34 °F	50.12 °F	50.04 °F	49.9 °F	49.59 °F	48.86 °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])
T2 68645	52.92	51.77	52.15	52.36	52.49	52.47	52.29	52.08	51.81	51.69	51.45	50.84		
T2 68685	52.30	51.22	51.46	51.62	51.78	51.71	51.49	51.29	51.05	50.84	50.64	50.06		
T4 T5 50522	51.78	51.94	52.09	52.19	52.28	50.62	52.09	51.94	51.78	51.65	51.45	51.0		
T5 50522	52.40	51.66	51.75	51.85	51.94	52.25	51.7	51.56	51.46	51.33	51.13	50.66		

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187066
INITIAL JR DATE 2-22-15

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6.[6] Date: From 2-22-15 to 2-22-15 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])	51.78 °F	50.63 °F	50.73 °F	50.79 °F	50.75 °F	50.62 °F	50.34 °F	50.12 °F	50.04 °F	49.85 °F	49.59 °F	48.86 °F	___ °F	___ °F
End Time (6.[13])	0631	0729	0832	0925	1029	1131	1234	1332	1437	1530	1629	1730	N/A	
6.[13]	Operator: LM / Operator:	Operator: / Operator: LM	Operator: LM / Operator: LM	Operator: LM / Operator: NS	Operator: NS / Operator: LM	Operator: LM / Operator:	Operator: / Operator: NS	Operator: NS / Operator:	Operator: / Operator: NS	Operator: NS / Operator:	Operator: / Operator: NS	Operator: NS / Operator:	Operator: / Operator:	Operator: / Operator:

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6.[6] Date: From 2-22-15 to 2-22-15 Location: Dome 375

6.[2] Comments: Did not enter Dome 375 Permacon Due Standing order 1247 Temps were taken using Data logger Comflow

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Juan Garcia	Juan Garcia	169840	JG	2-22-15
Leon Montoya	[signature]	191526	LM	2-22-15
Norman Sanchez	Norman Sanchez	187818	NS	2/22/15
Eloy D. Cordova	ED [signature]	114188	EC	2-22-15
Jackie Romero	Jackie Romero	187066	JR	2-22-15
N/A				

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

8.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date

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

6.[6] Date: From 02.22.15 to 02.23.15 Location: Dome 375

	Start Time 6.[6] 1829	Start Time 6.[6] 1930	Start Time 6.[6] 2028	Start Time 6.[6] 2129	Start Time 6.[6] 2230	Start Time 6.[6] 2325	Start Time 6.[6] 0026	Start Time 6.[6] 0130	Start Time 6.[6] 0229	Start Time 6.[6] 0327	Start Time 6.[6] 0430	Start Time 6.[6] 0531	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][TJ)	48.05 °F	47.05 °F	46.56 °F	46.12 °F	45.29 °F	44.93 °F	43.69 °F	43.32 °F	42.83 °F	42.53 °F	42.67 °F	42.59 °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) 68685	50.12	49.30	48.82	48.36	47.81	47.48	46.32	46.00	45.68	45.32	45.14	45.05		
(T2) 68685	49.35	48.51	48.02	47.66	47.04	46.75	45.64	45.25	44.93	44.64	44.49	44.43	NA	NA
(T4) 50522	50.41	49.73	49.31	48.94	48.45	48.21	47.17	46.89	46.59	46.28	46.11	46.0		
(T5) 50522	50.04	49.36	48.99	48.63	48.13	47.86	46.84	46.51	45.99	45.88	45.80	45.69		
						N/A								

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INITIAL EC DATE 2.22.15

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6.[6] Date: From 02·22·15 to 02·23·15 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])
							N/A							N/A	N/A
Ambient Temperature (6.[12])	48.04 °F	47.1 °F	46.46 °F	46.12 °F	45.29 °F	44.93 °F	43.69 °F	43.25 °F	42.83 °F	42.55 °F	42.47 °F	42.59 °F	°F	°F
End Time (6.[13])	1830 ~~0630~~ JQ 2.22.15	1931	2029	2129	2230	2325	0029	0131	0229	0328	0431	0532		
6.[13]	Operator: JQ Operator: WJC	Operator: WJC Operator: TR	Operator: JQ Operator: TR	Operator: WJC Operator: JQ	Operator: WJC Operator: TR	Operator: WJC Operator: JQ	Operator: TR Operator: JQ	Operator: JQ Operator: TR	Operator: TR Operator: JQ	Operator: TR Operator: JQ	Operator: JQ Operator: TR	Operator: JQ Operator: TR	Operator: Operator:	Operator: Operator:

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6.[6] Date: From 02·22·15 to 02·23·15 Location: Dome 375

6.[2] Comments: Did not enter Dome 375 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
John Quintana	[signature]	190557	JQ	2·22·15
Willie J. Corrales	[signature]	[illegible]	WJC	2-22-15
Timmy Romero	[signature]	234253	TR	2-23-15
N/A				

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

8.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date