From: Haagenstad, Mark P
Sent: Monday, March 23, 2015 4:50 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; Schreiber, Arleen Thorn; Maestas, Pamela Therese; Hargis, Kenneth Marshall; Cabbil, Cheryl Denise; Young, Steven L; Erickson, Randy; Funk, David John; Alexander, Rick A; Frederici, Dave; Robinson, Bruce Alan; Lansing, Michael Alan; Tymkowych, John M; Diaz, Tammy; Branch, Yvette S; Guffee, Debi; Juarez, Catherine L; Haagenstad, Mark P
Subject: Daily Technical Submission - March 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

March 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.
  - Newly suspect nitrate salt-bearing waste containers.
    - Two containers are located in Dome 232 and two containers are located Dome 153.
      - All entry into the domes is currently restricted.
    - Planning is underway to move the containers into the 375 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.
      - March 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 March, 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.
      - March 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, March 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.	
51.	NMED requested copies of any procedures regarding cementation in bags.	LANL	---	March 19, 2015 Confirmation that no specific procedure can be located for cementation in bags.
52.	NMED requested information on the percentage of the 55 SWBs that, based on SWB HSG data, appear to have chemical reactions occurring within the waste.	LANL	In progress	
53.	NMED requested the document “TA-55 Cement Fixation Drum Logbook” referenced in the CCP AK document.	LANL	In progress	

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**
03/21/15	138	374	7794	1969								
03/22/15	139	396	8354	2100								
03/23/15	134	354	8116	2077	185	431	11621	1584	103	303	5924	292

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**
03/21/15												
03/22/15												
03/23/15	354	685	16507	3222	520	945	18391	2321	663	632	12466	2232

Remediated Nitrate Salt Container Headspace Gas Analysis

	SB50522			
Date	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**
03/21/15	2366	466	34876	970
03/22/15	2374	486	35021	1062
03/23/15	2343	512	36736	1059

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 3-16-15 to 3-22-15

	Monday 6.[6] Start Time: 0906	Tuesday 6.[6] Start Time: 0938	Wednesday 6.[6] Start Time: 0928	Thursday 6.[6] Start Time: 1025	Friday 6.[6] Start Time: 0853	Saturday 6.[6] Start Time: 0806	Sunday 6.[6] Start Time: 0813
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: 7/29/15 File Number 101974	Brand: Fluke Model: 561 Cal. Due Date: 7/29/15 File Number 101974	Brand: Fluke Model: 561 Cal. Due Date: 7/29/15 File Number 101974	Brand: Fluke Model: 561 Cal. Due Date: 7/29/15 File Number 101974
Ambient Temperature (6.[7])	56.0 °F	55.9 °F	55.5 °F	52.7 °F	51.9 °F	50.1 °F	53.6 °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	54.8	55.1	54.2	54.6	53.1	52.3	52.9
S802833	54.2	55.0	53.9	53.7	52.4	51.6	52.4
S801676	54.5	54.6	53.5	53.6	52.6	51.6	52.4
S816810	58.6	55.1	57.7	54.0	55.3	56.2	~~52.1~~ 57.1
70069	58.7	55.1	56.9	53.9	55.5	56.0	56.7
S822844	58.8	56.1	57.8	54.0	56.2	57.7	57.7
S825879	58.6	56.4	57.1	53.7	55.4	55.4	56.7
S793724	58.6	55.8	~~57.~~ 56.7	54.0	55.9	56.3	56.9
S813545	57.9	55.7	56.3	54.2	55.3	55.7	56.2
S822713	56.2	55.3	55.1	53.8	53.6	53.5	54.9
S802739	55.6	54.6	54.4	53.5	53.2	52.7	53.7
69907	55.0	54.4	53.9	53.4	53.0	52.4	53.3
S804995	55.7	54.6	54.3	53.6	53.4	53.1	54.3
S816434	56.1	55.5	55.8	55.1	54.4	53.6	54.6

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ATTACHMENT 2
Page 2 of 3

6.[6] Date: From 3-16-15 to 3-22-15

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	55.6	56.6	55.1	54.5	53.6	53.1	53.9
S862888	55.9	55.2	54.8	53.9	53.7	53.5	54.2
70072	55.4	54.7	54.7	53.6	53.3	53.0	53.6
S823184	56.2	55.6	55.0	53.8	53.8	53.9	54.4
S822599	57.4	56.1	55.7	55.2	54.6	54.8	55.6
69904	57.4	53.8	56.5	54.6	55.0	55.6	56.0
S805051	58.0	3/17/15 ~~55.6~~ 56.2	56.6	54.7	55.4	55.7	56.2
S864213	58.0	3/17/15 ~~55.9~~ 55.6	56.7	54.9	55.6	56.4	56.4
S853714	58.1	3/17/15 ~~53.5~~ 55.9	57.0	54.8	55.7	56.3	56.4
S803078	58.0	~~53.5~~ ~~55.4~~ ~~53~~ 3/17/15	57.2	54.4	55.2	56.0	56.3
S825878	57.9	3/17/15 ~~56.0~~ 55.4	56.6	54.7	55.4	56.0	56.5
S823124	57.4	3/17/15 ~~56.3~~ 56.0	56.3	54.9	~~55~~ 55.1	55.5	55.9
S804948	56.0	56.3	55.3	54.4	53.7	53.7	54.1
S813385	55.7	55.4	54.8	54.5	53.6	53.5	53.7
S842446	56.2	56.3	55.6	54.4	54.2	54.1	54.3
Ambient Temperature (6.[12])	53.3 °F	55.1 °F	55.7 °F	54.9 °F	54.0 °F	51.4 °F	52.6 °F
End Time (6.[13])	0913	0947	0940	1037	0901	0813	0821
6.[13]	Operator: JR Operator: EC	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: JR Operator: EC	Operator: JR Operator: EC	Operator: JR Operator: EC

ATTACHMENT 2
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6.[6] Date: From 3-16-15 to 3-22-15

6.[2] Comments: ______________________________

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Jackie Romero	Jackie Romero	1187066	JR	3-16-15
Eloy J. Cordova	[signature]	1114188	EC	3-16-15
Josephine Duran	J Duran	115797	JD	3/17/15
Thomas Vigil	[signature]	236382	TV	3/17/15
Josephine Duran	J Duran	115797	JD	3/18/15
Thomas Vigil	[signature]	236382	TV	3/18/15
Thomas Vigil	[signature]	236382	TV	3/19/15
Joshua Lopez	[signature]	1116598	JL	031915
Jackie Romero	Jackie Romero	1187066	JR	3-20-15
Eloy J. Cordova	[signature]	1114188	EC	3-20-15
Jackie Romero	Jackie Romero	1187066	JR	3-21-15
Eloy J. Cordova	[signature]	1114188	EC	3-21-15
Jackie Romero	Jackie Romero	1187066	JR	3-22-15
Eloy J. Cordova	[signature]	1114188	EC	3-22-15

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 3-16-15 to 3-22-15

IPC-1

	Monday 6.[6] Start Time: 1101	Tuesday 6.[6] Start Time: 1024	Wednesday 6.[6] Start Time: 1135	Thursday 6.[6] Start Time: 1443	Friday 6.[6] Start Time: 0802	Saturday 6.[6] Start Time: 0738	Sunday 6.[6] Start Time: 0743
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])	56.7 °F	56.3 °F	57.5 °F	57.4 °F	49.8 °F	51.2 °F	52.8 °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])
68685	56.9	56.6	57.5	58.8	52.7	53.6	53.3
LA00000070503 68540	56.6	56.1	57.7	58.9	52.3	53.2	53.3
LA00000070503 68553	56.8	56.3	58.2	59.3	52.2	52.4	52.8
69445	56.6	56.8	57.8	58.8	52.5	53.0	53.0
69618	56.2	56.0	57.1	58.4	52.2	52.3	52.3
69013	56.9	56.8	57.7	59.2	53.1	53.8	53.7
LASB50522	57.4	57.3	58.3	59.0	54.1	54.5	54.5
LASB50452	57.3	57.2	58.2	59.3	53.4	54.1	54.1
LASB50431	57.3	57.0	57.5	59.3	54.1	54.8	54.8
LASB50069	57.3	56.7	57.6	59.0	53.1	54.0	54.3
LASB50073	56.9	57.0	57.3	59.0	53.8	54.6	54.1
69636	57.3	57.2	57.6	59.2	54.1	55.1	54.8
69616	57.4	56.8	58.2	58.9	53.8	54.7	54.1
69417	57.5	56.9	58.6	59.3	54.1	54.8	54.4

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ATTACHMENT 3
Page 2 of 3

6.[6] Date: From 3-16-15 to 3-22-15

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	57.2	57.0	57.7	59.2	53.8	54.3	54.5
69520	57.2	57.3	57.9	59.4	54.1	54.4	54.6
69641	57.6	57.4	58.2	59.5	54.4	54.9	54.8
69298	57.4	57.8	58.3	59.3	54.3	54.9	54.9
LASB02203	57.3	57.1	58.0	59.3	54.1	55.0	55.0
Ambient Temperature (6.[12])	56.5 °F	56.6 °F	57.5 °F	57.8 °F	50.4 °F	57.6 °F	52.3 °F
End Time (6.[13])	1106	1028	1139	1448	0805	0741	0747
6.[13]	Operator: [signature] Operator: [signature]	Operator: [signature] Operator: [signature]	Operator: [signature] Operator: [signature]	Operator: [signature] Operator: [signature]	Operator: LB Operator: NS	Operator: LB Operator: NS	Operator: TP Operator: NS

6.[2] Comments:

ATTACHMENT 3
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6.[6] Date: From 3-16-15 to 3-22-15

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Thomas Vigil		236382		3/16/15
Joshua Lopez		116598		03/16/15
Thomas Vigil		236382		3/17/15
Joshua Lopez		116598		03/17/15
Thomas Vigil		236382		3/18/15
Joshua Lopez		116598		03/18/15
Thomas Vigil		236382		3/19/15
Joshua Lopez		116598		03/19/15
Larry Brito		116405	LB	3-20-15
Norman Sanchez		187818	NS	3/20/15
Larry Brito		116405	LB	3/21/15
Norman Sanchez		187818	NS	3/21/15
Pancho Mierz		235765		3-22-15
Norman Sanchez		187818	NS	3-22-15

8.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date

ATTACHMENT 4
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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 3-16-15 to 3-22-15

	Monday 6.[6] Start Time: 1107	Tuesday 6.[6] Start Time: 1029	Wednesday 6.[6] Start Time: 1140	Thursday 6.[6] Start Time: 1449	Friday 6.[6] ~~3-22-15~~ Start Time: ~~0757~~ 0807	Saturday 6.[6] Start Time: 0742	Sunday 6.[6] 0748 Start Time: ~~0738~~ 3-22-15
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])	57.7 °F	57.3 °F	58.5 °F	58.9 °F	55.8 °F	54.5 °F	54.9 °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])
LASB02198	57.4	57.2	57.7	59.3	55.9	54.2	56.5
68638	57.7	57.9	57.9	59.7	55.6	54.2	55.6
69615	58.1	57.2	58.1	59.5	55.6	54.7	55.4
69635	58.5	57.2	58.4	60.0	55.9	55.1	55.8
69642	58.1	57.5	58.3	59.2	55.1	54.5	55.2
69630	58.0	57.7	58.3	59.2	55.7	54.3	55.1
69633	58.4	57.8	58.4	59.6	55.9	55.0	55.7
68430	58.2	58.6	58.6	59.3	55.9	54.6	55.2
68631	58.2	57.5	58.9	59.6	55.5	54.2	55.2
69634	58.5	57.6	58.2	59.2	55.9	54.4	55.5
68567	57.4	56.9	58.0	58.6	55.8	54.1	55.4
94227	57.7	57.5	58.9	59.0	55.8	54.5	55.5
LASB50442	57.4	57.9	58.7	59.4	56.2	55.0	55.8
69644	58.9	57.8	58.7	59.5	56.3	55.3	56.1
LASB50443	58.1	57.5	58.3	59.0	55.5	54.6 3-22-15	~~55.4~~ 55.4
69638	58.6	58.8	59.4	59.6	56.5	54.9	55.1

187064
JR DATE 3-16-15

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6.[6] Date: From 3-16-15 to 3-22-15

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	58.3	58.4	59.5	59.6	56.5	55.5	56.3
68507	58.3	58.8	59.4	60.4	56.3	55.3	56.1
69568	57.8	57.1	58.2	58.7	56.5	54.3	55.5
69553	57.3	57.0	57.8	58.7	56.2	54.1	55.1
69598	57.1	57.0	57.7	58.7	56.1	54.3	55.5
LASB50559	57.7	57.3	58.6	59.1	56.5	55.2	56.1
69015	58.6	58.1	59.1	59.4	56.8	55.5	56.3
69639	59.2	58.4	59.2	59.5	57.5	55.8	56.5
69637	58.8	58.0	59.3	58.6	57.1	55.3	56.4
Ambient Temperature (6.[12])	57.6 °F	57.5 °F	58.0 °F	58.3 °F	55.7 °F	53.9 °F	54.8 °F
End Time (6.[13])	1113	1035	1146	1453	0813	0747	0754
6.[13]	Operator: [illegible] Operator: [illegible]	Operator: [illegible] Operator: [illegible]	Operator: [illegible] Operator: [illegible]	Operator: [illegible] Operator: [illegible]	Operator: LB Operator: NS	Operator: LB Operator: NS	Operator: [illegible] Operator: NS

6.[2] Comments:

ATTACHMENT 4
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6.[6] Date: From 3-16-15 to 3-22-15

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
THOMAS VIGIL		236382	tv	3/16/15
Joshua Lopez		116598	JL	03/16/15
THOMAS VIGIL		236382	tv	3/17/15
Joshua Lopez		116598	JL	03/17/15
THOMAS VIGIL		236382	tv	3/18/15
Joshua Lopez		116598	JL	03/18/15
THOMAS VIGIL		236382	tv	3/19/15
Joshua Lopez		116598	JL	03/19/15
Larry Brito		116405	LB	3-20-15
Norman Sanchez		187818	NS	3/20/15
Larry Brito		116405	LB	3-21-15
Norman Sanchez		187818	NS	3/21/15
Pancho Mierz		235765	PM	3-22-15
Norman Sanchez		187818	NS	3-22-15

8.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date

ATTACHMENT 5
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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 3-16-15 to 3-22-15

	Monday 6.[6] Start Time: 1055	Tuesday 6.[6] Start Time: 1019	Wednesday 6.[6] Start Time: 1131	Thursday 6.[6] Start Time: 1437	Friday 6.[6] Start Time: 0757	Saturday 6.[6] Start Time: 0734	Sunday 6.[6] Start Time: 0738
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])	57.7 °F	56.9 °F	58.7 °F	59.1 °F	53.5 °F	53.8 °F	53.6 °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	57.3	58.3	59.3	60.2	55.3	55.6	55.8
69645	58.6	58.3	59.6	60.3	55.4	55.5	55.5
94068	58.3	57.7	59.0	60.1	55.3	55.3	55.3
93605	57.9	57.9	59.1	60.0	54.9	54.4	54.3
69548	57.3	58.0	58.8	60.3	54.8	54.4	54.4
69604	57.8	57.4	59.2	60.4	55.2	54.9	55.0
LASB50529	57.8	58.2	59.2	60.3	55.1	55.4	55.8
LASB50418	58.3	58.7	59.4	60.2	54.7	54.7	55.9
69036	57.7	57.3	59.2	60.6	54.4	54.7	54.9
LASB50451	57.5	57.1	58.7	60.2	54.9	54.5	54.8
69559	58.2	57.2	58.8	60.4	55.1	54.5	55.1
LASB50448	57.3	57.1	58.7	60.2	54.5	54.0	54.5
Ambient Temperature (6.[12])	57.2 °F	57.7 °F	58.7 °F	58.1 °F	54.0 °F	54.2 °F	53.7 °F
End Time (6.[13])	1100	1023	1134	1442	0800	0737	0742
6.[13]	Operator: JV Operator: JR	Operator: JV Operator: JR	Operator: JV Operator: JR	Operator: JV Operator: JR	Operator: LB Operator: NS	Operator: LB Operator: NS	Operator: TD Operator: NS

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6.[6] Date: From 3-16-15 to 3-22-15

6.[2] Comments:

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Thomas Vigil	Thomas Vigil	236382	TV	3/16/15
Joshua Lopez	Joshua Lopez	116598	JL	03/16/15
Thomas Vigil	Thomas Vigil	236382	TV	3/17/15
Joshua Lopez	Joshua Lopez	116598	JL	03/17/15
Thomas Vigil	Thomas Vigil	236382	TV	3/18/15
Joshua Lopez	Joshua Lopez	116598	JL	03/18/15
Thomas Vigil	Thomas Vigil	236382	TV	3/19/15
Joshua Lopez	Joshua Lopez	116598	JL	03/19/15
Larry Brito	L Brito	116405	LB	3-20-15
Norman Sanchez	Norman Sanchez	187818	NS	3/20/15
Larry Brito	L Brito	116405	LB	3-21-15
Norman Sanchez	Norman Sanchez	187818	NS	3-21-15
Pancho Mora	P Mora	235765	PM	3-22-15
Norman Sanchez	Norman Sanchez	187818	NS	3-22-15

8.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date

ATTACHMENT 6
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TA-54 AREA G NITRATE SALT TRU WASTE CONTAINER HOURLY TEMPERATURE DATA SHEET

6.[6] Date: From 3-20-15 to 3-20-15 Location: Dome 375

	Start Time: 6.[6] 0628	Start Time: 6.[6] 0730	Start Time: 6.[6] 0828	Start Time: 6.[6] 0930	Start Time: 6.[6] 1029	Start Time: 6.[6] 1126	Start Time: 6.[6] 1228	Start Time: 6.[6] 1334	Start Time: 6.[6] 1426	Start Time: 6.[6] 1528	Start Time: 6.[6] 1628	Start Time: 6.[6] 1730	Start Time: 6.[6] NA	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: NA Cal. Due Date: File Number	Brand: Model: NA Cal. Due Date: File Number
Ambient Temperature (6.[7])	51.54 °F	52.73 °F	52.53 °F	52.25 °F	52.14 °F	52.38 °F	53.03 °F	54.79 °F	56.25 °F	56.44 °F	56.63 °F	57.05 °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	52.16	53.49	53.27	52.98	52.55	52.67	53.27	55.13	56.54	56.58	56.66	56.9		
68685 T_2	51.42	52.85	52.78	52.22	51.93	52.12	52.72	54.47	55.73	55.90	55.96	56.14		
50522 T_4	52.92	53.7	53.3	53.39	53	53.03	53.47	54.81	55.84	56.12	56.19	56.4		
50522 T_5	52.63	53.55	53.35	53.22	52.9	53.11	53.49	54.88	55.9	56.12	56.19	56.43		
													NA	
						NA								

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6.[6] Date: From 3-20-15 to 3-20-15 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	
Ambient Temperature (6.[12])	51.5 °F	52.67 °F	52.53 °F	52.25 °F	52.14 °F	52.38 °F	53.03 °F	54.79 °F	56.25 °F	56.44 °F	56.63 °F	57.05 °F	____ °F	____ °F
End Time (6.[13])	0629	0731	0829	0931	1029	1127	1229	1334	1427	1529	1628	1731		
6.[13]	Operator: NS Operator: LB	Operator: LB Operator: TT	Operator: NS Operator: LB	Operator: LB Operator: TT	Operator: LB Operator: TT	Operator: TT Operator: NS	Operator: NS Operator: TT	Operator: TT Operator: LB	Operator: NS Operator: JR	Operator: NS Operator: JR	Operator: NS Operator: JR	Operator: NS Operator: LB	Operator: Operator:	Operator: Operator:

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6.[6] Date: From 3-20-15 to 3-20-15 Location: Dome 375

6.[2] Comments: Unable to enter Dome 375 Cell 1; Temps are obtained at the control room on the Computer Data Logger. [signature] 235765

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Norman Sanchez	[signature]	187818	NS	3/20/15
Larry Brito	[signature]	116445	LB	3-20-15
Pancho Mirra	[signature]	235765	[initials]	3-20-15
Eley U. Cordova	[signature]	114188	EC	3-20-15
Jackie Romero	[signature]	118706	JR	3-20-15
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 3-20-15 to 3-21-15 Location: Dome 375

	Start Time: 6.[6] 1833	Start Time: 6.[6] 1927	Start Time: 6.[6] 2027	Start Time: 6.[6] 2128	Start Time: 6.[6] 2231	Start Time: 6.[6] 2329	Start Time: 6.[6] 0030	Start Time: 6.[6] 0131	Start Time: 6.[6] 0232	Start Time: 6.[6] 0325	Start Time: 6.[6] 0429	Start Time: 6.[6] 0520	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])	55.8 °F	53.9 °F	52.31 °F	53.49 °F	52.78 °F	51.7 °F	52.22 °F	52.52 °F	52.24 °F	50.92 °F	51.87 °F	52.17 °F	N °F	A °F
Container ID # (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])
681685 T1	55.54	53.76	52.27	54.09	53.3	52.38	53.05	53.48	53.17	51.93	52.19	53.28		
681685 T2	54.79	52.96	51.52	53.60	52.97	51.59	52.40	52.94	52.72	51.24	52.01	52.71		
50522 T4	55.51	54.2	52.99	54.11	53.48	53.07	53.35	53.52	53.26	52.57	51.87	53.3		
50522 T5	55.4	53.94	52.81	54.08	53.39	52.74	53.21	53.4	53.08	52.31	51.45	53.14		
										A			N/A	
									N					

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6.[6] Date: From 3-20-15 to 3-21-15 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					
										N					
Ambient Temperature (6.[12])	55.76 °F	53.85 °F	52.26 °F	53.49 °F	52.84 °F	51.65 °F	52.18 °F	52.52 °F	52.25 °F	50.92 °F	51.87 °F	52.14 °F	°F	°F
End Time (6.[13])	1834	1927	2027	2129	2232	2330	0031	0132	0233	0325	0430	0521		
6.[13]	Operator: CV / Operator: MV	Operator: MV / Operator: CV	Operator: MV / Operator: CV	Operator: MV / Operator: CV	Operator: MV / Operator: CV	Operator: GE / Operator: MV	Operator: GE / Operator: MV	Operator: GE / Operator: MV	Operator: GE / Operator: MV	Operator: MV / Operator: CV	Operator: CV / Operator: MV	Operator: CV / Operator: MV	Operator: / Operator:	Operator: / Operator:

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6.[6] Date: From 3-20-15 to 3-21-15 Location: Dome 375

6.[2] Comments: DID not enter permacon per standing order Area-G 1247 ~~R 6~~ R.2 CV 3-21-15
All temps were taken from DATA logger located IN conex IN Dome 375 Chris Vigil [signature] 163082

N/A

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Chris Vigil	[signature]	163082	CV	3/20/15
Michael Vigil	[signature]	215267	MV	3/20/15
Gerald Espinoza	[signature]	120976	GE	03 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 3-21-15 to 3-21-15 Location: Dome 375

	Start Time: 6.[6] 0629	Start Time: 6.[6] 0733	Start Time: 6.[6] 0829	Start Time: 6.[6] 0928	Start Time: 6.[6] 1029	Start Time: 6.[6] 1129	Start Time: 6.[6] 1228	Start Time: 6.[6] 1327	Start Time: 6.[6] 1427	Start Time: 6.[6] 1530	Start Time: 6.[6] 1627	Start Time: 6.[6] 1731	Start Time: 6.[6]	Start Time: 6.[6]
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand: Model: Cal. Due Date: File Number: N/A	Brand: Model: Cal. Due Date: File Number: N/A	Brand: Model: Cal. Due Date: File Number: N/A	Brand: Model: Cal. Due Date: File Number: N/A	Brand: Model: Cal. Due Date: File Number: N/A	Brand: Model: Cal. Due Date: File Number: N/A	Brand: Model: Cal. Due Date: File Number: N/A	Brand: Model: Cal. Due Date: File Number: N/A	Brand: Model: Cal. Due Date: File Number: N/A	Brand: Model: Cal. Due Date: File Number: N/A	Brand: Model: Cal. Due Date: File Number: N/A	Brand: Model: Cal. Due Date: File Number: N/A	Brand: Model: Cal. Due Date: File Number:	Brand: Model: Cal. Due Date: File Number:
Ambient Temperature (6.[7])	51.96 °F	51.75 °F	52.02 °F	52.14 °F	53.37 °F	55.37 °F	57.96 °F	60.75 °F	62.49 °F	60.59 °F	59.07 °F	57.88 °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])
6X685 T_1	53.09	53.08	53.38	53.11	53.76	55.59	58.13	60.48	62.31	60.47	58.94	57.51		
6X685 T_2	52.54	52.56	52.85	52.42	53.18	54.95	57.29	59.48	61.18	59.44	58.02	56.72		
50522 T_4	53.18	53.09	53.33	53.33	53.75	55.06	56.99	58.82	60.23	59.28	58.13	57.10		
50522 T_5	53.01	52.88	53.06	53.1	53.72	55.12	57.04	58.89	60.28	59.05	57.91	56.98		
													N/A	

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INITIAL JR DATE 3-21-15

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6.[6] Date: From 3-21-15 to 3-21-15 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])	51.96 °F	51.75 °F	52.02 °F	52.14 °F	53.43 °F	55.37 °F	57.96 °F	60.75 °F	62.46 °F	60.56 °F	59.07 °F	57.88 °F	____ °F	____ °F	
End Time (6.[13])	0631	0734	0830	0929	1030	1130	1229	1328	1428	1531	1627	1731			
6.[13]	Operator: NS Operator: EC	Operator: JR Operator: EC	Operator: NS Operator: LB	Operator: LB Operator: NS	Operator: LB Operator: NS	Operator: NS Operator: TT	Operator: NS Operator: TT	Operator: NS Operator: TT	Operator: TT Operator: LB	Operator: LB Operator: TT	Operator: TT Operator: LB	Operator: TT Operator: LB	Operator: ____ Operator: ____	Operator: ____ Operator: ____	

N/A

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6.[6] Date: From 3-21-15 to 3-21-15 Location: Dome 375

6.[2] Comments: Unable to enter Dome 375 Cell 1 due to SO-1247; Temps. ~~are~~ obtained at the control room on the Computer Data Logger. (initialed 3-21-15)

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Norman Sanchez	Norman Sanchez	187818	NS	3-21-15
Pancho Miera	[signature]	235765	PM	3-21-15
Larry Brito	L Brito	146405	LB	3-21-15
Jackie Romero	Jackie Romero	187066	JR	3-21-15
Elo Y. Cordova	[signature]	114151	EC	3-21-15
NA				

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 3-21-15 to 3-22-15 Location: Dome 375 cell 1

	Start Time: 6.[6] 1830	Start Time: 6.[6] 1929	Start Time: 6.[6] 2026	Start Time: 6.[6] 2130	Start Time: 6.[6] 2235	Start Time: 6.[6] 2334	Start Time: 6.[6] 0034	Start Time 6.[6] 0135	Start Time: 6.[6] 0238	Start Time: 6.[6] 0339	Start Time: 6.[6] 0439	Start Time: 6.[6] 0530	Start Time: 6.[6]	Start Time: 6.[6]
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand / Model N A / Cal Due Date / File Number	Brand / Model N A / Cal Due Date / File Number	Brand / Model N A / Cal Due Date / File Number	Brand / Model N A / Cal Due Date / File Number	Brand / Model N A / Cal Due Date / File Number	Brand / Model N A / Cal Due Date / File Number	Brand / Model N A / Cal Due Date / File Number	Brand / Model N A / Cal Due Date / File Number	Brand / Model N A / Cal Due Date / File Number	Brand / Model N A / Cal Due Date / File Number	Brand / Model N A / Cal Due Date / File Number	Brand / Model N A / Cal Due Date / File Number	Brand / Model / Cal Due Date / File Number	Brand / Model / Cal Due Date / File Number
Ambient Temperature (6.[7])	57.41 °F	55.88 °F	54.02 032215	52.65	51.96	53.5 °F	51.58	52.23	52.87	51.6 °F	51.51 °F	52.47 °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	57.03	55.58	53.82	52.67	52.02	54.2	52.06	53.11	55.29	52.41	52.44	53.48		
68685 T2	56.33	54.92	53.80	52.11	51.48	53.21	51.53	52.49	53.34	54.95	51.74	53.08		
50522 T4	56.76	55.66	54.33	53.38	52.82	54.21	52.78	53.48	53.77	52.84	53.01	53.52		
50522 T5	56.66	55.4	54.11	53.17	52.63	54.14	52.55	53.28	53.62	52.65	52.7	53.52		

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6.[6] Date: From 3.21.15 to 3.22.15 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])
						N/A								N/A	
Ambient Temperature (6.[12])	57.4 °F	55.85	54.07	52.65	51.9 °F	53.45	51.55	52.23	52.80	51.6 °F	51.51 °F	52.5 °F	____ °F	____ °F	
End Time (6.[13])	1931	1930	2027	2131	2236	2335	0035	0136	0239	0346	0440	0531			
6.[15]	Operator: DA Operator:	Operator: DA Operator:	Operator: DA Operator:	Operator: DA Operator:	Operator: DA Operator:	Operator: Operator:	Operator: DA Operator:	Operator: DA Operator:	Operator: DA Operator:	Operator: DA Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	Operator: Operator:	

ATTACHMENT 6

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6.[6] Date: From 3·21·15 to 3·22·15 Location: Dome 375 Cell 1

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

N/A

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Gerald Espinoza	[signature]	120974	[initials]	032115
Tina Aguirre	[signature]	124977	[initials]	3-22-15
Joshua Lopez	[signature]	116581	[initials]	032215
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 3-22-15 to 3-22-15 Location: Dome 375

	Start Time: 6.[6] 0634	Start Time: 6.[6] 0728	Start Time: 6.[6] 0829	Start Time: 6.[6] 0930	Start Time: 6.[6] 1028	Start Time: 6.[6] 1133	Start Time: 6.[6] 1231	Start Time: 6.[6] 1330	Start Time: 6.[6] 1430	Start Time: 6.[6] 1529	Start Time: 6.[6] 1627	Start Time: 6.[6] 1728	Start Time: 6.[6]	Start Time: 6.[6]
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand: Model: Cal. Due Date: N/A File Number	Brand: Model: Cal. Due Date: N/A File Number	Brand: Model: Cal. Due Date: N/A File Number	Brand: Model: Cal. Due Date: N/A File Number	Brand: Model: Cal. Due Date: N/A File Number	Brand: Model: Cal. Due Date: N/A File Number	Brand: Model: Cal. Due Date: N/A File Number	Brand: Model: Cal. Due Date: N/A File Number	Brand: Model: Cal. Due Date: N/A File Number	Brand: Model: Cal. Due Date: N/A File Number	Brand: Model: Cal. Due Date: N/A File Number	Brand: Model: Cal. Due Date: N/A File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number
Ambient Temperature (6.[7])	52.12 °F	50.94 °F	51.76 °F	52.27 °F	54 °F	56.71 °F	59.77 °F	61.98 °F	64.15 °F	65.66 °F	66.19 °F	65.9 °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	53.07	51.97	52.81	52.86	54.37	56.98	59.52	61.69	63.75	65.27	65.77	65.44		
68685 T2	52.70	51.33	52.21	52.32	53.82	56.25	58.66	60.65	62.52	64.04	64.46	64.24		
50522 T4	53.16	52.54	53.24	53.21	54.25	56.14	58.12	59.68	61.26	62.54	63.15	63.19		
50522 T5	53.01	52.29	52.92	53.06	54.25	56.23	58.18	59.8	61.37	62.66	63.17	63.11		
						N/A								

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6.[6] Date: From 3-22-15 to 3-22-15 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])	52.12 °F	50.95 °F	51.74 °F	52.27 °F	54 °F	56.74 °F	59.77 °F	62.01 °F	64.18 °F	65.66 °F	66.19 °F	65.91 °F	____ °F	____ °F
End Time (6.[13])	0634	0729	0830	0931	1029	1134	1232	1331	1431	1530	1629	1729		
6.[13]	Operator: [illegible] / Operator: NS	Operator: LB / Operator: [illegible]	Operator: LB / Operator: [illegible]	Operator: LB / Operator: [illegible]	Operator: LB / Operator: [illegible]	Operator: [illegible] / Operator: NS	Operator: NS / Operator: [illegible]	Operator: [illegible] / Operator: NS	Operator: NS / Operator: LB	Operator: LB / Operator: NS	Operator: NS / Operator: [illegible]	Operator: NS / Operator: [illegible]	Operator: / Operator:	Operator: / Operator:

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6.[6] Date: From 3-22-15 to 3-22-15 Location: Dome 375

6.[2] Comments: Due to SO-1247, unable to enter Dome 375 Cell 1. Temps. are obtained in the control room on the computer data logger. DEMS 235765

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Norman Sanchez	Norman Sanch	187881	NS	3-22-15
Larry Brito	L Brito	116405	LB	3-22-15
Pancho Miera	DEMS	235765	TT	3-22-15
Edward Cordova	Edova	114180	EC	3-22-15
Jackie Romero	Jackie Romero	187066	JR	3-22-15
	N/A			
	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 3-22-15 to 3-23-15 Location: Dome 375

	Start Time: 6.[6] 1830	Start Time: 6.[6] 1928	Start Time: 6.[6] 2028	Start Time: 6.[6] 2127	Start Time: 6.[6] 2230	Start Time: 6.[6] 2329	Start Time: 6.[6] 0029	Start Time: 6.[6] 0130	Start Time: 6.[6] 0229	Start Time: 6.[6] 0331	Start Time: 6.[6] 0430	Start Time: 6.[6] 0523	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])[3]	63.59 °F	61.29 °F	58.80 °F	56.81 °F	55.01 °F	53.93 °F	53.46 °F	52.81 °F	52.39 °F	51.91 °F	52.46 °F	52.74 °F	NA °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)	63.27	60.88	58.33	56.40	54.78	53.80	53.51	53.01	52.65	52.19	52.81	53.41		
68685(T2)	62.15	59.96	57.52	55.67	54.20	53.44	53.05	52.56	52.22	51.75	52.68	52.86		
50522(T4)	61.84	60.05	58.07	56.54	55.28	54.54	54.19	53.75	53.40	53.02	53.34	53.93		
50522(T5)	61.56	59.75	57.76	56.21	55.01	54.27	53.98	53.55	53.22	52.84	53.25	53.71		
						nA								

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6.[6] Date: From 3-22-15 to 3-23-15 Location: Dome 375

N/A

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])	63.59 °F	61.24 °F	58.80 °F	~~2128~~ 56.81 °F WQC 3-22-15	~~2230~~ 55.01 °F 3-22-15	53.93 °F	53.43 °F	52.79 °F	52.39 °F	51.91 °F	52.53 °F	52.74 °F	°F	°F
End Time (6.[13])	1831	1929	2029	2128	~~55.01~~ 2230 WQC 3-22-15	2329	0030	0130	0229	0331	0431	0523		
6.[13]	Operator: JZQ Operator: WQC	Operator: JZQ Operator: WQC	Operator: WQC Operator: JZQ	Operator: WQC Operator: JZQ	Operator: WQC Operator: JZQ	Operator: WQC Operator: JZQ	Operator: JZQ Operator: WQC	Operator: JZQ Operator: WQC	Operator: WQC Operator: JZQ	Operator: WQC Operator: JZQ	Operator: JZQ Operator: WQC	Operator: WQC Operator: JZQ	Operator: Operator:	Operator: Operator:

N/A

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6.[6] Date: From 3-22-15 to 3-23-15 Location: Dome 375

6.[2] Comments: Did not enter perma con per standing order AREA G- 1247 RS. All temps were taken from data logger in conex located in Dome 375

3-23-15 no further entries @ 0530 [signature] Z# 112602

6.[17] Performed by:

Operator (print)	Signature	Z#	Initials	Date
John Quintana	[signature]	190558	JQ	3-22-15
Willie J. Roche	[signature]	112907	[signature]	3-22-15
	/	/	/	/
	/	/	/	/
N/A	/	/	/	/
	/	/	/	/
	/	/	/	/
	/	/	/	/

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

8.1[2] Reviewed by:

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