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Sent: Thursday, June 25, 2015 9:50 PM

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Subject: Weekly Technical Submission - June 19, 2015- June 25, 2015

Attached is the written weekly technical submission for June 19, 2015 – June 25, 2015. The Permittees are submitting the attached information pursuant to: Section 19 of the May 19, 2014, *Administrative Order*; the July 10, 2014, April 27, 2015 and May 8, 2015 letters from NMED regarding *Modification to May 19, 2014, Administrative Order*; and Section IX of the April 21, 2015, *LANL Nitrate Salt-Bearing Waste Container Isolation Plan, Revision 3*.

Please contact me if additional information would be helpful.

Luciana Vigil-Holterman for

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NMED / LANL Technical Summary

June 19, 2015 – June 25, 2015

Participants:

- New Mexico Environment Department: Dave Cobrain, Neelam Dhawan and Siona Briley.
- LANL – NNSA- Los Alamos Field Office:
- Environmental Management- Los Alamos Field Office (EM-LA): Lee Bishop.
- LANL – Los Alamos National Security: John McCann, Luciana Vigil-Holterman and Cathy Juarez.

LANL Technical Update:

- **Location of Nitrate Salt-Bearing Wastes**
 - Remediated nitrate salt-bearing waste containers (55 SWBs and 4 POCs).
 - All containers remain in the 375 Permacon.
- **Monitoring - Daily Temperature**
 - Temperatures are currently below 90°F.
 - Previous 7 days' temperature data attached.
 - Please see "Other" section for more information.
- **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.
 - June 19-25, 2015 HSG data (H₂, CO, CO₂ and N₂O) attached.
 - Other containers:
 - A minimum of once per month HSG sampling will be conducted.
 - To date in June, LANL has conducted HSG sampling on 59 containers.
- **Additional measures currently underway**
 - As a conservative measure, LANL is currently conducting additional monitoring. This additional monitoring includes:
 - Containers (SWBs) 68685 and SB50522.
 - LANL continuing *solid phase micro-extraction*.
 - Hourly temperature measurements are currently being performed on SWB 68685 and SB50522.
 - Five other SWB overpacks (containing 55-gallon drums of remediated nitrate salt-bearing waste) and four nitrate salt-bearing waste POCs.
 - Twice-weekly HSG sample collection.
 - June 22 and 25, 2015 HSG data (H₂, CO, CO₂ and N₂O) attached.

- **Anticipated Changes to Nitrate Salt-Bearing Waste Containers (e.g. movement, re-packaging)**
 - Currently, no further movements or re-packaging are occurring.

Other:

- The Permittees notified NMED-HWB on June 22-24, 2015 of the following:
 - Two hourly ambient temperature measurements (90.61 and 90.04 °F) and one of the measurements from a SWB (90.20 °F) in the Permacon at TA-54 Dome 375 exceeded the 90 °F target temperature on June 21, 2015.
 - The cause of the temperature increase was identified to be the failure of a compressor fan for HVA-003.
 - The Permittees continued hourly temperature and visual monitoring and compensatory measures prior to repair of the fan.
 - Compensatory implemented were the use of portable cooling units outside the Permacon within Dome 375, turning off the inlet air for the failed HVAC unit, and opening up air communication between the cells within the Permacon via the roll-up doors.
 - Repairs to the the TA-54 Dome 375 HVAC unit were completed on the evening of Tuesday, June 23, 2015.
 - Notification of this to the NMED-HWB was made on June 24, 2015.
- The Permittees intend to add supplemental cooling capacity to the Dome 375 Permacon and will continue to update NMED-HWB on the progress of this activity.

Next Call: Thursday, July 2, 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	---	<p>Complete</p> <p>Empty Parent June 16, 2014</p> <p>Unremediated August 14, 2014 (Supplemental information discussed on sampling of parent containers)</p> <p>August 26, 2014 (Letter on applicability of LANL HWFP for opening waste containers)</p>

	Requested Information	Actionee	Status	Completion Date
13.	<p>Respond to NMED email request for information associated with the nitrate salt-bearing parent and daughter waste containers.</p> <p>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.</p>	LANL	---	<p>Complete</p> <p>July 9, 2014 (Letter sent addressing items 1-4 and 6-9 of the email request)</p> <p>July 17, 2014 (Letter sent with updated spreadsheet)</p> <p>August 7, 2014 (First submittal in response to item 5)</p> <p>August 14, 2014 (Letter addressing items 2 & 8 - Second submittal in response to item 5)</p> <p>August 18, 2014 (Third submittal in response to item 5)</p> <p>August 21, 2014 (Fourth submittal in response to item 5)</p> <p>August 27, 2014 (Fifth submittal in response to item 5)</p> <p>September 4, 2014 (Sixth submittal in response to item 5)</p> <p>September 9, 2014 (Seventh submittal in response to item 5)</p> <p>September 11, 2014 (Eighth submittal in response to item 5)</p> <p>September 22, 2014 (Ninth submittal in response to item 5)</p> <p>September 23, 2014 (Tenth submittal in response to item 5)</p> <p>October 1, 2014 (Eleventh submittal in response to item 5)</p> <p>October 8, 2014 (Twelfth submittal in response to item 5)</p> <p>October 16, 2014 (Thirteenth submittal in response to item 5)</p> <p>October 23, 2014 (Fourteenth submittal in response to item 5)</p> <p>October 27, 2014 (Fifteenth submittal in response to item 5)</p> <p>October 28, 2014 (Sixteenth submittal in response to item 5)</p> <p>November 3, 2014 (Seventeenth submittal in response to item 5)</p>

	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 <i>Response to Request for Information on Management of Waste at LANL.</i>	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 (3 rd 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	---	Complete May 6, 2015
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	---	Complete. Email – February 17, 2015. Letter- March 19, 2015.
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	---	Complete. Discussed during technical meeting on April 16, 2015. Email follow-up on April 20, 2015.
53.	NMED requested the document “TA-55 Cement Fixation Drum Logbook” referenced in the CCP AK document.	LANL	---	Complete. Included with April 24, 2015 Response to Request for Information.
54.	NMED requested summary sheet for HSG data.	LANL	---	Complete April 9, 2015.

	Requested Information	Actionee	Status	Completion Date
55.	NMED requested additional discussion on engineering options for cooling in Summer months.	LANL	---	Complete. Discussed during technical meeting on April 16, 2015.
56.	NMED requested references in Technical Assessment Team report Waste Isolation Pilot Plant (WIPP): Chemical Reactivity and Recommended Remediation Strategy for Los Alamos Remediated Nitrate Salt (RNS) Wastes.	LANL	---	Complete April 9, 2015.
57.	Schedule an eighth LANL update meeting to continue technical discussions associated with remediation options, planning and other topics of interest.	LANL/ NMED	---	Complete April 16, 2015.

Remediated Nitrate Salt Container Headspace Gas Analysis

	68685				69553				69615			
Date	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm
06/19/15	146	381	9715	2198								
06/20/15	133	344	8605	1942								
06/21/15	145	400	9907	2247								
06/22/15	157	404	10759	2387	142	452	11165	1466	108	305	6095	323
06/23/15	154	412	10614	2383								
06/24/15	144	400	10349	2312								
06/25/15	151	393	10404	2299	186	484	11813	1572	111	313	6311	324

Remediated Nitrate Salt Container Headspace Gas Analysis

	69616				SB50069				SB50452			
Date	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm
06/19/15												
06/20/15												
06/21/15												
06/22/15	342	646	14141	2558	483	885	19506	2611	714	690	13619	2269
06/23/15												
06/24/15												
06/25/15	311	643	14138	2534	480	957	21011	2789	697	694	13503	2257

Remediated Nitrate Salt Container Headspace Gas Analysis

	SB50522				87823				87825			
Date	H₂ ppm	CO ppm	CO₂ ppm	N₂O ppm	H₂ ppm	CO ppm	CO₂ ppm	N₂O ppm	H₂ ppm	CO ppm	CO₂ ppm	N₂O ppm
06/19/15	2950	448	36253	1084								
06/20/15	3030	430	34161	1058								
06/21/15	3138	472	37936	1180								
06/22/15	3254	541	41308	1291	188	218	5688	977	192	250	7830	1383
06/23/15	3304	479	38687	1208								
06/24/15	3085	459	37924	1183								
06/25/15	3291	482	40016	1260	193	209	5557	963	201	256	7860	1383

Remediated Nitrate Salt Container Headspace Gas Analysis

	87826				87827			
Date	H₂ ppm	CO ppm	CO₂ ppm	N₂O ppm	H₂ ppm	CO ppm	CO₂ ppm	N₂O ppm
06/19/15								
06/20/15								
06/21/15								
06/22/15	234	322	11380	1703	62	128	3622	412
06/23/15								
06/24/15								
06/25/15	241	327	11007	1669	61	121	3540	436

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ATTACHMENT 3

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

6.[6] Date: From 6-15-15 to 6-21-15

	Monday 6.[6] Start Time: <u>0836</u>	Tuesday 6.[6] Start Time: <u>0756</u>	Wednesday 6.[6] Start Time: <u>0939</u>	Thursday 6.[6] Start Time: <u>0756</u>	Friday 6.[6] Start Time: <u>0631</u>	Saturday 6.[6] Start Time: <u>0623</u>	Sunday 6.[6] Start Time: <u>0629</u>
TA-54-375 Cell 1							
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand: <u>Fluke</u> Model: <u>62 Max</u> Cal. Due Date: <u>4/29/16</u> File Number <u>103562</u>	Brand: <u>Fluke</u> Model: <u>62 Max</u> Cal. Due Date: <u>4-29-16</u> File Number <u>103562</u>	Brand: <u>Fluke</u> Model: <u>62 Max</u> Cal. Due Date: <u>4-29-16</u> File Number <u>103562</u>	Brand: <u>Fluke</u> Model: <u>62 Max</u> Cal. Due Date: <u>4-29-16</u> File Number <u>103562</u>	Brand: <u>Fluke</u> Model: <u>62 Max</u> Cal. Due Date: <u>4-29-16</u> File Number <u>103562</u>	Brand: <u>Fluke</u> Model: <u>62 Max</u> Cal. Due Date: <u>4-29-16</u> File Number <u>103562</u>	Brand: <u>Fluke</u> Model: <u>62 Max</u> Cal. Due Date: <u>4-29-16</u> File Number <u>103562</u>
Ambient Temperature (6.[7])	<u>60.8</u> °F	<u>62.4</u> °F	<u>65.4</u> °F	<u>63.2</u> °F	<u>61.2</u> °F	<u>62.4</u> °F	<u>63.8</u> °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	<u>59.6</u>	<u>62.0</u>	<u>64.8</u>	<u>62.0</u>	<u>60.6</u>	<u>61.2</u>	<u>62.2</u>
LA00000070503	68540 <u>59.6</u>	<u>61.8</u>	<u>64.4</u>	<u>62.4</u>	<u>60.8</u>	<u>61.8</u>	<u>62.8</u>
	68553 <u>59.6</u>	<u>61.6</u>	<u>65.2</u>	<u>62.0</u>	<u>60.8</u>	<u>62.4</u>	<u>63.2</u>
69445	<u>59.8</u>	<u>62.0</u>	<u>64.2</u>	<u>62.2</u>	<u>61.0</u>	<u>62.4</u>	<u>63.2</u>
69618	<u>59.6</u>	<u>61.6</u>	<u>63.6</u>	<u>61.8</u>	<u>61.0</u>	<u>62.4</u>	<u>62.6</u>
69013	<u>59.2</u>	<u>61.4</u>	<u>64.0</u>	<u>61.2</u>	<u>60.6</u>	<u>61.8</u>	<u>62.8</u>
LASB50522	<u>60.2</u>	<u>62.0</u>	<u>63.8</u>	<u>61.6</u>	<u>60.8</u>	<u>62.2</u>	<u>63.3</u>
LASB50452	<u>59.0</u>	<u>61.4</u>	<u>63.6</u>	<u>61.4</u>	<u>60.2</u>	<u>61.6</u>	<u>62.4</u>
LASB50431	<u>59.2</u>	<u>60.8</u>	<u>64.0</u>	<u>60.8</u>	<u>60.2</u>	<u>61.0</u>	<u>62.4</u>
LASB50069	<u>59.8</u>	<u>61.2</u>	<u>64.0</u>	<u>61.6</u>	<u>60.4</u>	<u>61.6</u>	<u>63.8</u>
LASB50073	<u>59.4</u>	<u>61.0</u>	<u>62.8</u>	<u>61.4</u>	<u>60.8</u>	<u>61.8</u>	<u>63.0</u>
69636	<u>59.2</u>	<u>60.8</u>	<u>62.6</u>	<u>60.4</u>	<u>59.6</u>	<u>61.2</u>	<u>62.6</u>
69616	<u>58.8</u>	<u>60.6</u>	<u>63.2</u>	<u>59.8</u>	<u>59.4</u>	<u>60.2</u>	<u>61.6</u>
69417	<u>58.8</u>	<u>61.0</u>	<u>63.4</u>	<u>60.4</u>	<u>60.0</u>	<u>60.6</u>	<u>62.6</u>

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INITIAL TP DATE 6-15-15

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6.[6] Date: From 6-15-15 to 6-21-15

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	59.2	60.8	62.6	61.2	60.2	61.4	62.6
69520	59.2	60.4	62.8	60.8	60.0	61.2	61.8
69641	59.0	60.6	63.6	60.4	60.2	61.2	62.2
69298	58.8	60.0	62.6	60.6	60.2	61.0	61.8
LASB02203	58.6	60.6	63.0	60.4	60.0	61.0	62.2
Ambient Temperature (6.[13])	60.6 °F	62.6 °F	65.6 °F	62.2 °F	60.8 °F	61.8 °F	63.2 °F
End Time (6.[14])	0841	0759	0945	0801	0633	0625	0632
6.[14]	Operator: <u>NS</u> Operator: <u>TR</u>	Operator: <u>TR</u> Operator: <u>TR</u>	Operator: <u>TR</u> Operator: <u>NS</u>	Operator: <u>TR</u> Operator: <u>NS</u>	Operator: <u>EP</u> Operator: <u>←</u>	Operator: <u>EP</u> Operator: <u>←</u>	Operator: <u>EP</u> Operator: <u>←</u>

6.[2] Comments:

UET

ATTACHMENT 3

Page 3 of 3

6.[6] Date: From 6-15-15 to 6-21-15

6.[18] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Norman Sanchez	<i>Norman Sanchez</i>	11878181	NS	6/15/15
Pancho Miera	<i>Pancho Miera</i>	12357651	PM	6-15-15
Operator (print)	Signature	Z#	Initials	Date
Tina Aguirre	<i>Tina Aguirre</i>	12497701	TA	6-16-15
Operator (print)	Signature	Z#	Initials	Date
Pancho Miera	<i>Pancho Miera</i>	12357651	PM	6-16-15
Operator (print)	Signature	Z#	Initials	Date
Pancho Miera	<i>Pancho Miera</i>	12357651	PM	6-17-15
Operator (print)	Signature	Z#	Initials	Date
Norman Sanchez	<i>Norman Sanchez</i>	11878181	NS	6-17-15
Operator (print)	Signature	Z#	Initials	Date
Pancho Miera	<i>Pancho Miera</i>	12357651	PM	6-18-15
Operator (print)	Signature	Z#	Initials	Date

Operator (print)	Signature	Z#	Initials	Date
Norman Sanchez	<i>Norman Sanchez</i>	11878181	NS	6/18/15
Operator (print)	Signature	Z#	Initials	Date
Edward Pacheco	<i>Edward Pacheco</i>	10049971	EP	6-19-15
Operator (print)	Signature	Z#	Initials	Date
Leon Montoya	<i>Leon Montoya</i>	1915261	LM	6-19-15
Operator (print)	Signature	Z#	Initials	Date
Edward Pacheco	<i>Edward Pacheco</i>	10049971	EP	6-20-15
Operator (print)	Signature	Z#	Initials	Date
Leon Montoya	<i>Leon Montoya</i>	1915261	LM	6-20-15
Operator (print)	Signature	Z#	Initials	Date
Edward Pacheco	<i>Edward Pacheco</i>	10049971	EP	6-21-15
Operator (print)	Signature	Z#	Initials	Date
Leon Montoya	<i>Leon Montoya</i>	1915261	LM	6-21-15
Operator (print)	Signature	Z#	Initials	Date

9.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date

UET

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 6-15-15 to 6-21-15

	Monday 6.[6] Start Time: <u>0842</u>	Tuesday 6.[6] Start Time: <u>0800</u>	Wednesday 6.[6] Start Time: <u>0947</u>	Thursday 6.[6] <u>0802</u> Start Time: <u>0750</u>	Friday 6.[6] Start Time: <u>0634</u>	Saturday 6.[6] Start Time: <u>0627</u>	Sunday 6.[6] Start Time: <u>0633</u>
TA-54-375 Cell 2	<u>6-18-15</u>						
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand: <u>Fluke</u> Model: <u>62 max</u> Cal. Due Date: <u>4-28-16</u> File Number <u>103569</u>	Brand: <u>Fluke</u> Model: <u>62 max</u> Cal. Due Date: <u>4-28-16</u> File Number <u>103569</u>	Brand: <u>Fluke</u> Model: <u>62 Max</u> Cal. Due Date: <u>4-28-16</u> File Number <u>103569</u>	Brand: <u>Fluke</u> Model: <u>62 Max</u> Cal. Due Date: <u>4-28-16</u> File Number <u>103569</u>	Brand: <u>Fluke</u> Model: <u>62 Max</u> Cal. Due Date: <u>4-28-16</u> File Number <u>103569</u>	Brand: <u>Fluke</u> Model: <u>62 Max</u> Cal. Due Date: <u>4-28-16</u> File Number <u>103569</u>	Brand: <u>Fluke</u> Model: <u>62 Max</u> Cal. Due Date: <u>4-28-16</u> File Number <u>103562</u>
Ambient Temperature (6.[7])	<u>59.2</u> °F	<u>61.2</u> °F	<u>62.0</u> °F	<u>60.6</u> °F	<u>59.4</u> °F	<u>60.0</u> °F	<u>61.4</u> °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	<u>59.4</u>	<u>60.8</u>	<u>62.0</u>	<u>60.0</u>	<u>60.0</u>	<u>60.2</u>	<u>61.0</u>
68638	<u>58.6</u>	<u>60.6</u>	<u>62.4</u>	<u>59.6</u>	<u>59.0</u>	<u>60.6</u>	<u>61.4</u>
69615	<u>58.4</u>	<u>60.4</u>	<u>62.6</u>	<u>60.2</u>	<u>59.6</u>	<u>60.2</u>	<u>61.0</u>
69635	<u>58.8</u>	<u>61.2</u>	<u>62.2</u>	<u>60.4</u>	<u>59.8</u>	<u>61.2</u>	<u>61.8</u>
69642	<u>58.6</u>	<u>59.8</u>	<u>62.4</u>	<u>59.8</u>	<u>59.6</u>	<u>60.2</u>	<u>61.4</u>
69630	<u>58.2</u>	<u>60.6</u>	<u>62.6</u>	<u>60.2</u>	<u>59.4</u>	<u>60.2</u>	<u>61.4</u>
69633	<u>59.2</u>	<u>61.0</u>	<u>61.8</u>	<u>60.0</u>	<u>59.8</u>	<u>60.6</u>	<u>61.4</u>
68430	<u>59.0</u>	<u>60.6</u>	<u>62.2</u>	<u>59.8</u>	<u>59.2</u>	<u>60.0</u>	<u>61.2</u>
68631	<u>58.2</u>	<u>60.6</u>	<u>61.4</u>	<u>59.2</u>	<u>59.0</u>	<u>60.6</u>	<u>60.2</u>
69634	<u>58.2</u>	<u>59.8</u>	<u>61.2</u>	<u>58.8</u>	<u>59.2</u>	<u>59.8</u>	<u>59.6</u>
68567	<u>57.8</u>	<u>60.8</u>	<u>61.6</u>	<u>59.0</u>	<u>58.4</u>	<u>59.8</u>	<u>59.8</u>
94227	<u>57.4</u>	<u>59.6</u>	<u>61.4</u>	<u>58.6</u>	<u>58.6</u>	<u>59.0</u>	<u>60.6</u>
LASB50442	<u>58.6</u>	<u>59.0</u>	<u>61.8</u>	<u>59.2</u>	<u>59.4</u>	<u>59.6</u>	<u>60.4</u>
69644	<u>58.0</u>	<u>59.8</u>	<u>61.2</u>	<u>59.4</u>	<u>59.4</u>	<u>60.2</u>	<u>60.6</u>
LASB50443	<u>58.4</u>	<u>60.0</u>	<u>61.6</u>	<u>59.6</u>	<u>59.8</u>	<u>60.6</u>	<u>61.2</u>
69638	<u>57.6</u>	<u>59.8</u>	<u>61.8</u>	<u>59.2</u>	<u>59.8</u>	<u>60.0</u>	<u>60.6</u>

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6.[6] Date: From 6-15-15 to 6-21-15

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	57.2	60.0	61.4	59.4	59.0	59.2	61.0
68507	58.0	59.6	61.4	59.0	58.8	59.4	60.0
69568	57.0	59.2	61.2	58.8	58.4	59.6	60.0
69553	57.4	59.4	61.2	58.6	58.4	58.8	59.6
69598	57.2	59.0	61.4	59.0	58.4	58.6	60.0
LASB50559	57.2	59.4	61.2	58.6	6.19.15 59.0 59.4	58.8	59.4
69015	57.8	59.4	61.4	58.8	59.0	59.4	60.2
69639	58.2	59.8	61.2	59.2	59.2	60.2	61.0
69637	58.2	60.0	60.8	58.8	59.0	59.6	60.6
Ambient Temperature (6.[13])	58.2 °F	60.4 °F	62.4 °F	59.8 °F	59.0 °F	59.6 °F	60.8 °F
End Time (6.[14])	0848	0803	0955	0807	0637	0629	0635
6.[14]	Operator: <u>NS</u> Operator: <u>EP</u>	Operator: <u>NS</u> Operator: <u>EP</u>	Operator: <u>NS</u> Operator: <u>NS</u>	Operator: <u>NS</u> Operator: <u>NS</u>	Operator: <u>EP</u> Operator: <u>EP</u>	Operator: <u>EP</u> Operator: <u>EP</u>	Operator: <u>EP</u> Operator: <u>EP</u>

6.[2] Comments:

UET

ATTACHMENT 4

Page 3 of 3

6.[6] Date: From 6-15-15 to 6-21-15

6.[18] Performed by:

Norman Sanchez	Norman Sanchez	1187818	NS	6/15/15
Operator (print)	Signature	Z#	Initials	Date
Pancho Miera	PMS	1235765	PM	6-15-15
Operator (print)	Signature	Z#	Initials	Date
Tina Aguirre	Tina Aguirre	1249774	TA	6-16-15
Operator (print)	Signature	Z#	Initials	Date
Pancho Miera	PMS	1235765	PM	6-16-15
Operator (print)	Signature	Z#	Initials	Date
Pancho Miera	PMS	1235765	PM	6-17-15
Operator (print)	Signature	Z#	Initials	Date
Norman Sanchez	Norman Sanchez	1187818	NS	6-17-15
Operator (print)	Signature	Z#	Initials	Date
Pancho Miera	PMS	1235765	PM	6-18-15
Operator (print)	Signature	Z#	Initials	Date

Norman Sanchez	Norman Sanchez	1187818	NS	6/18/15
Operator (print)	Signature	Z#	Initials	Date
Edward Pacheco	Edward Pacheco	1004977	EP	6-19-15
Operator (print)	Signature	Z#	Initials	Date
Leon Montoya	Leon Montoya	1191526	LM	6-19-15
Operator (print)	Signature	Z#	Initials	Date
Edward Pacheco	Edward Pacheco	1004977	EP	6-20-15
Operator (print)	Signature	Z#	Initials	Date
Leon Montoya	Leon Montoya	1191526	LM	6-20-15
Operator (print)	Signature	Z#	Initials	Date
Edward Pacheco	Edward Pacheco	1004977	EP	6-21-15
Operator (print)	Signature	Z#	Initials	Date
Leon Montoya	Leon Montoya	1191526	LM	6-21-15
Operator (print)	Signature	Z#	Initials	Date

9.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date

UET

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 6-15-15 to 6-21-15

	Monday 6.[6] Start Time: <u>0830</u>	Tuesday 6.[6] Start Time: <u>0753</u>	Wednesday 6.[6] Start Time: <u>0934</u>	Thursday 6.[6] Start Time: <u>0750</u>	Friday 6.[6] Start Time: <u>0626</u>	Saturday 6.[6] Start Time: <u>0619</u>	Sunday 6.[6] Start Time: <u>0625</u>
TA-54-375 Cell 3							
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand: <u>Fluke</u> Model: <u>62 Max</u> Cal. Due Date: <u>4-29-16</u> File Number <u>103562</u>	Brand: <u>Fluke</u> Model: <u>62 Max</u> Cal. Due Date: <u>4-29-16</u> File Number <u>103562</u>	Brand: <u>Fluke</u> Model: <u>62 Max</u> Cal. Due Date: <u>4-29-16</u> File Number <u>103562</u>	Brand: <u>Fluke</u> Model: <u>62 Max</u> Cal. Due Date: <u>4-29-16</u> File Number <u>103562</u>	Brand: <u>Fluke</u> Model: <u>62 Max</u> Cal. Due Date: <u>4-29-16</u> File Number <u>103562</u>	Brand: <u>Fluke</u> Model: <u>62 Max</u> Cal. Due Date: <u>4-29-16</u> File Number <u>103562</u>	Brand: <u>Fluke</u> Model: <u>62 Max</u> Cal. Due Date: <u>4-29-16</u> File Number <u>103562</u>
Ambient Temperature (6.[7])	<u>59.4</u> °F	<u>61.4</u> °F	<u>63.8</u> °F	<u>61.4</u> °F	<u>61.6</u> °F	<u>61.0</u> °F	<u>61.6</u> °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	58.0	60.6	61.0	59.8	59.2	59.8	60.4
69645	58.2	59.8	61.8	59.6	59.2	59.8	60.6
94068	57.6	59.6	60.8	59.0	59.0	59.6	59.8
93605	57.6	59.6	61.2	60.8	59.2	60.2	60.6
69548	58.2	60.2	61.4	59.6	59.2	59.8	60.4
69604	58.2	60.4	61.8	60.0	60.0	60.2	60.4
LASB50529	58.0	60.4	61.6	59.8	59.0	60.0	60.6
LASB50418	58.6	60.2	61.4	59.6	59.4	59.2	60.8
69036	58.0	60.6	61.8	59.8	58.4	59.4	61.2
LASB50451	57.4	60.0	61.6	59.6	58.4	59.8	60.4
69559	58.0	60.6	61.4	59.6	59.6	60.4	60.8
LASB50448	57.6	59.8	61.4	59.8	60.2	60.8	60.8
87823	58.8	61.0	62.8	60.0	59.4	60.6	61.6
87825	58.4	60.4	63.4	60.8	59.2	60.0	61.4
87826	58.0	60.2	62.0	59.8	59.4	60.0	60.8
87827	58.6	59.8	61.6	59.6	59.4	59.8	60.6

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6.[6] Date: From 6-15-15 to 6-21-15

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 3 (continued)							
Ambient Temperature (6.[13])	<u>58.8</u> °F	<u>60.8</u> °F	<u>63.4</u> °F	<u>60.2</u> °F	<u>59.8</u> °F	<u>60.2</u> °F	<u>60</u> °F <small>6-21-15</small> <u>61.0</u>
End Time (6.[14])	<u>0835</u>	<u>0755</u>	<u>0938</u>	<u>0755</u>	<u>0629</u>	<u>0622</u>	<u>0628</u>
6.[14]	Operator: <u>NS</u> Operator: <u>TP</u>	Operator: <u>TP</u> Operator: <u>TP</u>	Operator: <u>TP</u> Operator: <u>NS</u>	Operator: <u>TP</u> Operator: <u>NS</u>	Operator: <u>FP</u> Operator: <u>NS</u>	Operator: <u>FP</u> Operator: <u>NS</u>	Operator: <u>FP</u> Operator: <u>NS</u>

6.[2] Comments:

UET

ATTACHMENT 5

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6.[18] Performed by:

Norman Sanchez	<i>Norman Sanchez</i>	11878181	NS	16/15/15
Operator (print)	Signature	Z#	Initials	Date
Pancho Miera	<i>Pancho Miera</i>	12357651	PM	16-15-15
Operator (print)	Signature	Z#	Initials	Date
Tina Aguirre	<i>Tina Aguirre</i>	12491704	TA	16-16-15
Operator (print)	Signature	Z#	Initials	Date
Pancho Miera	<i>Pancho Miera</i>	12357651	PM	16-16-15
Operator (print)	Signature	Z#	Initials	Date
Pancho Miera	<i>Pancho Miera</i>	12357651	PM	16-17-15
Operator (print)	Signature	Z#	Initials	Date
Norman Sanchez	<i>Norman Sanchez</i>	11878181	NS	16-17-15
Operator (print)	Signature	Z#	Initials	Date
Pancho Miera	<i>Pancho Miera</i>	12357651	PM	16-18-15
Operator (print)	Signature	Z#	Initials	Date

Norman Sanchez	<i>Norman Sanchez</i>	11878181	NS	16/18/15
Operator (print)	Signature	Z#	Initials	Date
Edward Pacheco	<i>Edward Pacheco</i>	100497	EP	16-18-15
Operator (print)	Signature	Z#	Initials	Date
Leon Montoya	<i>Leon Montoya</i>	191526	LM	16-19-15
Operator (print)	Signature	Z#	Initials	Date
Edward Pacheco	<i>Edward Pacheco</i>	100497	EP	16-20-15
Operator (print)	Signature	Z#	Initials	Date
Leon Montoya	<i>Leon Montoya</i>	191526	LM	16-20-15
Operator (print)	Signature	Z#	Initials	Date
Edward Pacheco	<i>Edward Pacheco</i>	100497	EP	16-21-15
Operator (print)	Signature	Z#	Initials	Date
Leon Montoya	<i>Leon Montoya</i>	191526	LM	16-21-15
Operator (print)	Signature	Z#	Initials	Date

9.1[2] Reviewed by:

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

Nitrate Salt-Bearing TRU Waste Container Monitoring

Document No.: EWMO-AREAG-FO-D 246
 Revision: 6
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ATTACHMENT 3

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

6.[6] Date: From 6-22-15 to 6-23-15

	Monday 6.[6] Start Time: <u>0959</u>	Tuesday 6.[6] Start Time: <u>0635</u>	Wednesday 6.[6] Start Time: <u>0634</u>	Thursday 6.[6] Start Time: _____	Friday 6.[6] Start Time: _____	Saturday 6.[6] Start Time: _____	Sunday 6.[6] Start Time: _____
TA-54-375 Cell 1							
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand: <u>Fluke</u> Model: <u>62 Max</u> Cal. Due Date: <u>6/29/16</u> File Number: <u>103562</u>	Brand: <u>Fluke</u> Model: <u>62 Max</u> Cal. Due Date: <u>4/29/16</u> File Number: <u>103562</u>	Brand: <u>Fluke</u> Model: <u>62 Max</u> Cal. Due Date: <u>4/29/16</u> File Number: <u>103562</u>	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])	<u>48.15</u> <u>75.6</u> <u>60.2</u> °F	<u>66.4</u> °F	<u>64.0</u> °F	_____ °F	_____ °F	_____ °F	_____ °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	<u>74.8</u>	<u>65.6</u>	<u>63.2</u>				
LA00000070503	68540 <u>74.4</u>	<u>65.8</u>	<u>63.4</u>				
	68553 <u>74.2</u>	<u>66.2</u>	<u>63.6</u>				
69445	<u>74.2</u>	<u>66.2</u>	<u>64.4</u>				
69618	<u>74.0</u>	<u>66.2</u>	<u>63.8</u>				
69013	<u>73.2</u>	<u>66.4</u>	<u>63.6</u>				
LASB50522	<u>73.2</u>	<u>66.8</u>	<u>64.6</u>				
LASB50452	<u>73.2</u>	<u>66.6</u>	<u>63.4</u>				
LASB50431	<u>73.4</u>	<u>66.2</u>	<u>63.2</u>				
LASB50069	<u>73.6</u>	<u>67.2</u>	<u>63.6</u>				
LASB50073	<u>73.2</u>	<u>66.6</u>	<u>64.0</u>				
69636	<u>72.6</u>	<u>65.6</u>	<u>64.2</u>				
69616	<u>73.0</u>	<u>66.2</u>	<u>63.0</u>				
69417	<u>73.0</u>	<u>65.8</u>	<u>63.0</u>				

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Nitrate Salt-Bearing TRU Waste Container Monitoring

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UET

ATTACHMENT 3
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6.[6] Date: From 6-22-15 to 6-28-15

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	73.4	66.4	63.4				
69520	73.2	66.4	63.6				
69641	73.2	66.0	63.6				
69298	72.8	66.6	63.6				
LASB02203	72.8	66.2	63.0				
Ambient Temperature (6.[13])	75.6 °F	66.0°F	64.0 °F	_____°F	_____°F	_____°F	_____°F
End Time (6.[14])	10:03	0637	0656	_____	_____	_____	_____
6.[14]	Operator: <u>[Signature]</u> Operator: <u>[Signature]</u>	Operator: <u>[Signature]</u> Operator: <u>[Signature]</u>	Operator: <u>[Signature]</u> Operator: <u>[Signature]</u>	Operator: _____ Operator: _____	Operator: _____ Operator: _____	Operator: _____ Operator: _____	Operator: _____ Operator: _____

6.[2] Comments:

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6.[6] Date: From 6-22-15 to 6-28-15

6.[18] Performed by:

<u>Leon Montoya</u>	<u>[Signature]</u>	<u>191526</u>	<u>LC</u>	<u>16/22/15</u>
Operator (print)	Signature	Z#	Initials	Date
<u>Tina Aguirre</u>	<u>[Signature]</u>	<u>174921</u>	<u>DA</u>	<u>16-22-15</u>
Operator (print)	Signature	Z#	Initials	Date
<u>Tina Aguirre</u>	<u>[Signature]</u>	<u>174921</u>	<u>DA</u>	<u>16-23-15</u>
Operator (print)	Signature	Z#	Initials	Date
<u>Leon Montoya</u>	<u>[Signature]</u>	<u>191526</u>	<u>LC</u>	<u>16-23-15</u>
Operator (print)	Signature	Z#	Initials	Date
<u>Tina Aguirre</u>	<u>[Signature]</u>	<u>174921</u>	<u>DA</u>	<u>16-24-15</u>
Operator (print)	Signature	Z#	Initials	Date
<u>Leon Montoya</u>	<u>[Signature]</u>	<u>191526</u>	<u>LC</u>	<u>16-24-15</u>
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date

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

9.1[2] Reviewed by:

Operator (print)	Signature	Z#	Initials	Date
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Nitrate Salt-Bearing TRU Waste Container Monitoring

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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 6-22-15 to 6-28-15

	Monday 6.[6] Start Time: <u>1004</u>	Tuesday 6.[6] Start Time: <u>0638</u>	Wednesday 6.[6] Start Time: <u>0657</u>	Thursday 6.[6] Start Time: _____	Friday 6.[6] Start Time: _____	Saturday 6.[6] Start Time: _____	Sunday 6.[6] Start Time: _____
TA-54-375 Cell 2							
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand: <u>Fluke</u> Model: <u>62 Max</u> Cal. Due Date: <u>4/28/16</u> File Number: <u>109571</u>	Brand: <u>Fluke</u> Model: <u>62 Max</u> Cal. Due Date: <u>4/28/16</u> File Number: <u>109571</u>	Brand: <u>Fluke</u> Model: <u>62 Max</u> Cal. Due Date: <u>4/28/16</u> File Number: <u>109571</u>	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])	<u>68.0</u> °F	<u>63.8</u> °F	<u>61.6</u> °F	_____ °F	_____ °F	_____ °F	_____ °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	<u>66.6</u>	<u>64.0</u>	<u>62.6</u>				
68638	<u>67.8</u>	<u>64.0</u>	<u>62.6</u>				
69615	<u>69.8</u>	<u>64.6</u>	<u>62.6</u>				
69635	<u>68.6</u>	<u>64.4</u>	<u>62.4</u>				
69642	<u>70.6</u>	<u>63.6</u>	<u>63.0</u>				
69630	<u>68.6</u>	<u>64.6</u>	<u>62.4</u>				
69633	<u>67.8</u>	<u>63.8</u>	<u>62.4</u>				
68430	<u>67.4</u>	<u>63.4</u>	<u>61.6</u>				
68631	<u>66.8</u>	<u>63.0</u>	<u>61.2</u>				
69634	<u>65.8</u>	<u>62.6</u>	<u>61.2</u>				
68567	<u>66.8</u>	<u>62.4</u>	<u>61.2</u>				
94227	<u>67.4</u>	<u>62.8</u>	<u>61.8</u>				
LASB50442	<u>67.8</u>	<u>64.2</u>	<u>61.0</u>				
69644	<u>67.2</u>	<u>62.8</u>	<u>61.6</u>				
LASB50443	<u>68.2</u>	<u>63.4</u>	<u>62.4</u>				
69638	<u>67.8</u>	<u>63.2</u>	<u>62.2</u>				

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6.[6] Date: From 6-22-15 to 6-29-15

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	67.4	63.2	61.0				
68507	67.4	62.4	61.4				
69568	66.6	62.8	61.2				
69553	66.4	62.2	60.8				
69598	66.8	62.4	61.4				
LASB50559	67.2	62.0	61.2				
69015	67.4	62.6	61.2				
69639	67.4	62.8	62.2				
69637	67.8	62.8	61.6				
Ambient Temperature (6.[13])	67.2°F	63.8°F	61.8°F	____°F	____°F	____°F	____°F
End Time (6.[14])	1013	0640	0700	_____	_____	_____	_____
6.[14]	Operator: <u>DA</u> Operator: <u>DA</u>	Operator: <u>DA</u> Operator: <u>DA</u>	Operator: <u>DA</u> Operator: <u>DA</u>	Operator: _____ Operator: _____	Operator: _____ Operator: _____	Operator: _____ Operator: _____	Operator: _____ Operator: _____

6.[2] Comments:

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6.[6] Date: From 6-22-15 to 6-24-15

6.[18] Performed by:

<u>Leon Montoya</u>	<u>[Signature]</u>	<u>V915261</u>	<u>[Initials]</u>	<u>16-22-15</u>
Operator (print)	Signature	Z#	Initials	Date
<u>Lina Aguirre</u>	<u>[Signature]</u>	<u>1749704</u>	<u>[Initials]</u>	<u>6-22-15</u>
Operator (print)	Signature	Z#	Initials	Date
<u>Lina Aguirre</u>	<u>[Signature]</u>	<u>1749704</u>	<u>[Initials]</u>	<u>6-23-15</u>
Operator (print)	Signature	Z#	Initials	Date
<u>Leon Montoya</u>	<u>[Signature]</u>	<u>V915261</u>	<u>[Initials]</u>	<u>16-23-15</u>
Operator (print)	Signature	Z#	Initials	Date
<u>Lina Aguirre</u>	<u>[Signature]</u>	<u>1749704</u>	<u>[Initials]</u>	<u>6-24-15</u>
Operator (print)	Signature	Z#	Initials	Date
<u>Leon Montoya</u>	<u>[Signature]</u>	<u>V915261</u>	<u>[Initials]</u>	<u>16-24-15</u>
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date

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

9.1[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 6-22-15 to 6-24-15

	Monday 6.[6] Start Time: <u>0950</u>	Tuesday 6.[6] Start Time: <u>0632</u>	Wednesday 6.[6] Start Time: <u>0652</u>	Thursday 6.[6] Start Time: _____	Friday 6.[6] Start Time: _____	Saturday 6.[6] Start Time: _____	Sunday 6.[6] Start Time: _____
TA-54-375 Cell 3							
Calibrated Infrared Thermometer (4.2.1[1][B])	Brand: <u>Fluke</u> Model: <u>62 Max</u> Cal. Due Date: <u>4/29/16</u> File Number: <u>103562</u>	Brand: <u>Fluke</u> Model: <u>62 Max</u> Cal. Due Date: <u>4/29/16</u> File Number: <u>103562</u>	Brand: <u>Fluke</u> Model: <u>62 Max</u> Cal. Due Date: <u>4/29/16</u> File Number: <u>103562</u>	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])	<u>68.2</u> °F	<u>62.6</u> °F	<u>62.4</u> °F	_____ °F	_____ °F	_____ °F	_____ °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	<u>66.4</u>	<u>61.6</u>	<u>61.4</u>				
69645	<u>65.8</u>	<u>61.4</u>	<u>61.0</u>				
94068	<u>66.0</u>	<u>61.4</u>	<u>61.0</u>				
93605	<u>66.4</u>	<u>61.8</u>	<u>62.0</u>				
69548	<u>66.8</u>	<u>61.6</u>	<u>61.4</u>				
69604	<u>66.2</u>	<u>61.4</u>	<u>61.4</u>				
LASB50529	<u>66.4</u>	<u>61.4</u>	<u>61.2</u>				
LASB50418	<u>66.8</u>	<u>61.4</u>	<u>61.4</u>				
69036	<u>66.6</u>	<u>61.2</u>	<u>61.2</u>				
LASB50451	<u>67.4</u>	<u>61.8</u>	<u>61.2</u>				
69559	<u>66.4</u>	<u>61.8</u>	<u>62.4</u>				
LASB50448	<u>67.0</u>	<u>60.0</u>	<u>61.4</u>				
87823	<u>68.2</u>	<u>62.0</u>	<u>61.4</u>				
87825	<u>70.6</u>	<u>62.2</u>	<u>62.0</u>				
87826	<u>67.6</u>	<u>61.8</u>	<u>61.8</u>				
87827	<u>67.6</u>	<u>61.6</u>	<u>61.6</u>				

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6.[18] Performed by:

<i>Laura Montoya</i>	<i>[Signature]</i>	191526	<i>[Initials]</i>	16-22-15
Operator (print)	Signature	Z#	Initials	Date
<i>Tina Aguirre</i>	<i>[Signature]</i>	191526	<i>[Initials]</i>	16-22-15
Operator (print)	Signature	Z#	Initials	Date
<i>Tina Aguirre</i>	<i>[Signature]</i>	191526	<i>[Initials]</i>	16-22-15
Operator (print)	Signature	Z#	Initials	Date
<i>Laura Montoya</i>	<i>[Signature]</i>	191526	<i>[Initials]</i>	16-23-15
Operator (print)	Signature	Z#	Initials	Date
<i>Tina Aguirre</i>	<i>[Signature]</i>	191526	<i>[Initials]</i>	16-24-15
Operator (print)	Signature	Z#	Initials	Date
<i>Laura Montoya</i>	<i>[Signature]</i>	191526	<i>[Initials]</i>	16-24-15
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date

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

9.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date
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6.[6] Date: From 6/18/15 to 6/18/15 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])
<i>NA</i>														
Ambient Temperature (6.[13])	<u>58.78</u> °F	<u>59.16</u> °F	<u>60.41</u> °F	<u>63.66</u> °F	<u>65.67</u> °F	<u>66.98</u> °F	<u>68.98</u> °F	<u>70.92</u> °F	<u>72.66</u> °F	<u>72.95</u> °F	<u>72.62</u> °F	<u>69.94</u> °F	°F	°F
End Time (6.[14])	<u>0624</u>	<u>0735</u>	<u>0820</u>	<u>0936</u>	<u>1036</u>	<u>1131</u>	<u>1230</u>	<u>1328</u>	<u>1430</u>	<u>1526</u>	<u>1621</u>	<u>1724</u>		
6.[14]	Operator: <u>TD</u> Operator: <u>NS</u>	Operator: <u>NS</u> Operator: <u>R</u>	Operator: <u>TP</u> Operator: <u>NS</u>	Operator: <u>PB</u> Operator: <u>JP</u>	Operator: <u>LB</u> Operator: <u>JP</u>	Operator: <u>JA</u> Operator: <u>EP</u>	Operator: <u>JA</u> Operator: <u>EP</u>	Operator: <u>EP</u> Operator: <u>LM</u>	Operator: <u>R</u> Operator: <u>EP</u>	Operator: <u>R</u> Operator: <u>EP</u>	Operator: <u>EP</u> Operator: <u>R</u>	Operator: <u>R</u> Operator: <u>EP</u>	Operator: Operator:	Operator: Operator:

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6.[6] Date: From 6/18/15 to 6/18/15 Location: Dome 375

6.[2] Comments:

6.[18] Performed by:

Operator (print)	Signature	Z#	Initials	Date
	<i>Norman Sanele</i>	1189818	NS	6/18/15
Operator (print)	Signature	Z#	Initials	Date
	<i>Pancho Miera</i>	1725165	PM	6-18-15
Operator (print)	Signature	Z#	Initials	Date
	<i>JUAN GARCIA</i>	1169890	JG	6-18-15
Operator (print)	Signature	Z#	Initials	Date
	<i>Larry Brito</i>	116405	LB	6-18-15
Operator (print)	Signature	Z#	Initials	Date
	<i>Lina Aguirre</i>	116405	LA	6-18-15
Operator (print)	Signature	Z#	Initials	Date
	<i>Edward Pineda</i>	110497	EP	6-18-15
Operator (print)	Signature	Z#	Initials	Date
	<i>Leon Montoya</i>	119520	LM	6/18/15

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

9.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date

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6.(6) Date: From 6/19/15 to 6/19/15 Location: 375

Container ID # (6.(8)/6.(9))	Temp (°F) (6.(8)/6.(9))	Temp (°F) (6.(8)/6.(9))	Temp (°F) (6.(8)/6.(9))	Temp (°F) (6.(8)/6.(9))	Temp (°F) (6.(8)/6.(9))	Temp (°F) (6.(8)/6.(9))	Temp (°F) (6.(8)/6.(9))	Temp (°F) (6.(8)/6.(9))	Temp (°F) (6.(8)/6.(9))	Temp (°F) (6.(8)/6.(9))	Temp (°F) (6.(8)/6.(9))	Temp (°F) (6.(8)/6.(9))	Temp (°F) (6.(8)/6.(9))	Temp (°F) (6.(8)/6.(9))
n/a														
n/a														
Ambient Temperature (6.(13))	70.17°F	68.28°F	67.83°F	66.77°F	65.28°F	64.33°F	63.81°F	63.08°F	61.93°F	60.96°F	60.31°F	59.85°F	°F	°F
End Time (6.(14))	1824	1928	2029	2125	2230	2330	0030	0124	0226	0330	0431	0525		
6.(14)	Operator: WJC Operator: CE	Operator: WJC Operator: CE	Operator: WJC Operator: CE	Operator: CE Operator: ZGK	Operator: CE Operator: ZGK	Operator: CE Operator: ZGK	Operator: WJC Operator: CE	Operator: WJC Operator: CE	Operator: WJC Operator: CE	Operator: CE Operator: WJC	Operator: CE Operator: WJC	Operator: CE Operator: WJC	Operator:	Operator:

Nitrate Salt-Bearing TRU Waste Container Monitoring

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6.[6] Date: From 6/18/15 to 6/19/15 Location: 375

6.[2] Comments:

N/A

6.[18] Performed by:

Operator (print)	Signature	Z#	Initials	Date
<u>Gerald Espinosa</u>	<u>[Signature]</u>	<u>1120936</u>	<u>GE</u>	<u>10/6/15</u>
Operator (print)	Signature	Z#	Initials	Date
<u>Willie Bobb</u>	<u>[Signature]</u>	<u>1127405</u>	<u>WB</u>	<u>6-18-15</u>
Operator (print)	Signature	Z#	Initials	Date
<u>Evan Montoya</u>	<u>[Signature]</u>	<u>1191926</u>	<u>EM</u>	<u>6-18-15</u>
Operator (print)	Signature	Z#	Initials	Date
	<u>N/A</u>			
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date

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

9.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date

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6.[6] Date: From 6/9/15 to 6/9/15 Location: 325

Container ID # (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])
<i>N/A</i>														
Ambient Temperature (6.[13])	59.18°F	59.24°F	60.79°F	62.49°F	65.62°F	66.68°F	68.57°F	69.92°F	69.90°F	69.36°F	68.95°F	69.85°F	°F	°F
End Time (6.[14])	0622	0729	0829	0925	10:28	11:29	12:30	13:21	14:29	15:23	16:30	17:25		
6.[14] Operator:	EP Operator: <i>[Signature]</i>	EP Operator: <i>[Signature]</i>	EP Operator: <i>[Signature]</i>	EP Operator: <i>[Signature]</i>	EP Operator: <i>[Signature]</i>	EP Operator: <i>[Signature]</i>	EP Operator: <i>[Signature]</i>	EP Operator: <i>[Signature]</i>	EP Operator: <i>[Signature]</i>	EP Operator: <i>[Signature]</i>	EP Operator: <i>[Signature]</i>	WJC Operator: EP	Operator:	Operator:

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6.[6] Date: From 6/19/15 to 6/19/15 Location: 375

6.[2] Comments:

no entries 6-19-15 1730 @ 1276 112907

6.[18] Performed by:

Operator (print)	Signature	Z#	Initials	Date
<i>Laura Montoya</i>	<i>[Signature]</i>	<i>191561</i>	<i>[Initials]</i>	<i>6/19/15</i>
<i>Edmond Padua</i>	<i>[Signature]</i>	<i>100497</i>	<i>EP</i>	<i>6-19-15</i>
<i>Willie S. Carter</i>	<i>[Signature]</i>	<i>112907</i>	<i>WSC</i>	<i>6-19-15</i>
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date

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

9.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date

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6.[6] Date: From 6-19-15 to 6-20-15 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														
Ambient Temperature (6.[13])	69.08°F	69.25°F	68.91°F	67.47°F	65.64°F	64.62°F	63.55°F	62.42°F	61.75°F	61.90°F	61.83°F	61.23°F	°F	°F
End Time (6.[14])	1829	1928	2027	2130	2230	2329	0028	0129	0225	0310	0431	0525		
6.[14]	Operator: WJC Operator: GE	Operator: WJC Operator: GE	Operator: WJC Operator: GE	Operator: GE Operator: WJC	Operator: GE Operator: WJC	Operator: GE Operator: WJC	Operator: WJC Operator: GE	Operator: WJC Operator: GE	Operator: WJC Operator: GE	Operator: GE Operator: WJC	Operator: GE Operator: WJC	Operator: GE Operator: WJC	Operator:	Operator:

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6.[6] Date: From 6-19-15 to 6-20-15 Location: Domc 375

6.[2] Comments:

no entries 6-20-15

6.[18] Performed by:

<i>Willie's Bob</i>	<i>[Signature]</i>	<i>112907</i>	<i>WCB</i>	<i>6-19-15</i>
Operator (print)	Signature	Z#	Initials	Date
<i>Gerald Espinoza</i>	<i>[Signature]</i>	<i>1120976</i>	<i>GE</i>	<i>06-19-15</i>
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature <i>WCB</i>	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date

Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature <i>WCB</i>	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date

9.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date
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6.[6] Date: From 6/20/15 to 6/20/15 Location: 375

Container ID # (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])
<i>NA</i>														
Ambient Temperature (6.[13])	59.86°F	59.79°F	61.04°F	64.00°F	65.49°F	67.93°F	70.05°F	72.54°F	75.06°F	76.61°F	76.90°F	76.82°F	°F	°F
End Time (6.[14])	0635	0724	0827	0929	1021	1131	1228	1322	1427	1524	1626	1721		
6.[14]	Operator: <i>EP</i> Operator: <i>R</i>	Operator: <i>R</i> Operator: <i>EP</i>	Operator: <i>EP</i> Operator: <i>C</i>	Operator: <i>EP</i> Operator: <i>C</i>	Operator: <i>R</i> Operator: <i>EP</i>	Operator: <i>R</i> Operator: <i>EP</i>	Operator: <i>EP</i> Operator: <i>R</i>	Operator: <i>R</i> Operator: <i>EP</i>	Operator: <i>EP</i> Operator: <i>R</i>	Operator: <i>R</i> Operator: <i>EP</i>	Operator: <i>EP</i> Operator: <i>C</i>	Operator: <i>R</i> Operator: <i>EP</i>	Operator:	Operator:

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6.[6] Date: From 6/20/15 to 6/20/15 Location: 375

6.[2] Comments:

6.[18] Performed by:

<u>Edward Jackson</u>	<u>Edward Jackson</u>	<u>100497 EP</u>	<u>6-20-15</u>
Operator (print)	Signature	Z#	Initials Date
<u>Lawson Montoya</u>	<u>[Signature]</u>	<u>191526</u>	<u>6-20-15</u>
Operator (print)	Signature	Z#	Initials Date
Operator (print)	Signature	Z#	Initials Date
Operator (print)	Signature	Z#	Initials Date
Operator (print)	Signature	Z#	Initials Date
Operator (print)	Signature	Z#	Initials Date
Operator (print)	Signature	Z#	Initials Date

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

9.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date
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6.[6] Date: From 6/21/15 to 6/21/15 Location: 375

6.[2] Comments:

~~NA~~

6.[18] Performed by:

Operator (print)	Signature	Z#	Initials	Date
Edward Pacheco	[Signature]	191526	E	6/21/15
Edward Pacheco	[Signature]	100497	EP	6-21-15
Donald Espinoza	[Signature]	112926	GE	06/21/15
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date

Operator (print)	Signature	Z#	Initials	Date
Operator (print)	[Signature]	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date

9.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date

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6.[6] Date: From 6/21/15 to 6/22/15 Location: 375

6.[2] Comments:

~~NO Endors 6/21/15 214 1125 02~~

6.[18] Performed by:

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

9.1[2] Reviewed by:

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

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6.[6] Date: From 6-22-15 to 6-22-15 Location: 325

6.[2] Comments:

~~N/A~~

6.[18] Performed by:

JUAN GARCIA [Signature] 1108401 [Initials] 6-22-15
Operator (print) Signature Z# Initials Date

LION MONTANA [Signature] 1191526 [Initials] 6-22-15
Operator (print) Signature Z# Initials Date

Lina Aguirre [Signature] 1174577 [Initials] 6-22-15
Operator (print) Signature Z# Initials Date

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

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

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

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

9.1[2] Reviewed by:

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

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6.[6] Date: From 6-22-15 to 6-23-15 Location: 275

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.[13])	78.73 °F	80.84 °F	72.74 °F	78.71 °F	76.16 °F	73.78 °F	71.29 °F	70.69 °F	69.73 °F	68.27 °F	66.95 °F	66.06 °F	_____ °F	_____ °F
End Time (6.[14])	1830	1928	2029	2126	2230	2330	0030	0129	0230	0331	0428	0525	_____	_____
6.[14]	Operator: <u>WJC</u> Operator: <u>GE</u>	Operator: <u>WJC</u> Operator: <u>GE</u>	Operator: <u>WJC</u> Operator: <u>GE</u>	Operator: <u>GE</u> Operator: <u>WJC</u>	Operator: <u>GE</u> Operator: <u>WJC</u>	Operator: <u>GE</u> Operator: <u>WJC</u>	Operator: <u>WJC</u> Operator: <u>GE</u>	Operator: <u>WJC</u> Operator: <u>GE</u>	Operator: <u>WJC</u> Operator: <u>GE</u>	Operator: <u>GE</u> Operator: <u>WJC</u>	Operator: <u>GE</u> Operator: <u>WJC</u>	Operator: <u>GE</u> Operator: <u>WJC</u>	Operator: _____ Operator: _____	Operator: _____ Operator: _____

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

6.[2] Comments:

~~no entries 6-23-15~~

6.[18] Performed by:

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

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

9.1[2] Reviewed by:

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

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6.[6] Date: From 6-23-15 to 6-23-15 Location: 325

6.[2] Comments:

N/A

6.[18] Performed by:

Operator (print)	Signature	Z#	Initials	Date
JUAN GARCIA	<i>Juan Garcia</i>	116840	<i>JG</i>	6-23-15
Operator (print)	Signature	Z#	Initials	Date
Lina Aguirre	<i>Lina Aguirre</i>	116840	<i>LA</i>	6-23-15
Operator (print)	Signature	Z#	Initials	Date
Laura Montoya	<i>Laura Montoya</i>	1195261	<i>LM</i>	6-23-15
Operator (print)	Signature	Z#	Initials	Date
	<i>N/A</i>			
Operator (print)	Signature	Z#	Initials	Date
	<i>N/A</i>			
Operator (print)	Signature	Z#	Initials	Date
	<i>N/A</i>			
Operator (print)	Signature	Z#	Initials	Date
	<i>N/A</i>			

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

9.1[2] Reviewed by:

SOM or designee (print)	Signature	Z#	Initials	Date

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6.[6] Date: From 6/23/15 to 6/24/15 Location: 375

Container ID # (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])
NA														
Ambient Temperature (6.[13])	80.95 °F	74.05 °F	71.76 °F	69.32 °F	67.87 °F	67.26 °F	66.52 °F	65.66 °F	64.74 °F	63.90 °F	63.53 °F	62.97 °F	°F	°F
End Time (6.[14])	1829	1929	2026	2130	2231	2330	0027	0130	0230	0330	0429	0527		
6.[14]	Operator: WJC Operator: GE	Operator: WJC Operator: GE	Operator: WJC Operator: GE	Operator: GE Operator: WJC	Operator: GE Operator: WJC	Operator: GE Operator: WJC	Operator: WJC Operator: GE	Operator: WJC Operator: GE	Operator: WJC Operator: GE	Operator: GE Operator: WJC	Operator: GE Operator: WJC	Operator: GE Operator: WJC	Operator:	Operator:

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6.[6] Date: From 6/23/15 to 6/24/15 Location: 375

6.[2] Comments:

no samples 6-24-15

6.[18] Performed by:

<i>Willis J. Pender</i>	<i>[Signature]</i>	<i>11297102</i>	<i>[Initials]</i>	<i>6-23-15</i>
Operator (print)	Signature	Z#	Initials	Date
<i>Cecilia Espinoza</i>	<i>[Signature]</i>	<i>112097108</i>	<i>[Initials]</i>	<i>06/23/15</i>
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature <i>[Signature]</i>	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date

Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature <i>[Signature]</i>	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date

9.1[2] Reviewed by:

<i>E. C. J. London</i>	<i>[Signature]</i>	<i>11410820</i>	<i>[Initials]</i>	<i>6-24-15</i>
SOM or designee (print)	Signature	Z#	Initials	Date

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6.[6] Date: From 6/24/15 to 6/24/15 Location: 375

Container ID # (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])
N/A														
Ambient Temperature (6.[13])	62.03	62.38	63.15°F	65.01°F	65.67°F	68.44	69.29°F	71.30	72.43°F	73.36	72.57°F	73.31°F	°F	°F
End Time (6.[14])	0642	0727	0828	0929	1024	1125	1225	1332	1421	1524	1629	1725		
6.[14] Operator:	Operator: <u>DA</u>	Operator: <u>DA</u>	Operator: <u>DA</u>	Operator: <u>DA</u>	Operator: <u>DA</u>	Operator: <u>DA</u>	Operator: <u>DA</u>	Operator: <u>DA</u>	Operator: <u>EP</u>	Operator: <u>DA</u>	Operator: <u>EP</u>	Operator: <u>DA</u>	Operator:	Operator:
Operator:	Operator: <u>DA</u>	Operator: <u>DA</u>	Operator: <u>DA</u>	Operator: <u>DA</u>	Operator: <u>DA</u>	Operator: <u>DA</u>	Operator: <u>DA</u>	Operator: <u>DA</u>	Operator: <u>EP</u>	Operator: <u>EP</u>	Operator: <u>EP</u>	Operator: <u>EP</u>	Operator:	Operator:

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6.[6] Date: From 6/24/15 to 6/24/15 Location: 375

6.[2] Comments: N/A

6.[18] Performed by:

<u>Lina Aguirre</u>	<u>[Signature]</u>	<u>12477</u>	<u>EA</u>	<u>6-24-15</u>
Operator (print)	Signature	Z#	Initials	Date
<u>Richard Prober</u>	<u>[Signature]</u>	<u>100497</u>	<u>EP</u>	<u>6-24-15</u>
Operator (print)	Signature	Z#	Initials	Date
<u>Lina Aguirre</u>	<u>[Signature]</u>	<u>12477</u>	<u>EA</u>	<u>6-24-15</u>
Operator (print)	Signature	Z#	Initials	Date
<u>N/A</u>	<u>[Signature]</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
Operator (print)	Signature	Z#	Initials	Date
<u>N/A</u>	<u>[Signature]</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
Operator (print)	Signature	Z#	Initials	Date
<u>N/A</u>	<u>[Signature]</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
Operator (print)	Signature	Z#	Initials	Date

<u>N/A</u>	<u>[Signature]</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
Operator (print)	Signature	Z#	Initials	Date
<u>N/A</u>	<u>[Signature]</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
Operator (print)	Signature	Z#	Initials	Date
<u>N/A</u>	<u>[Signature]</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
Operator (print)	Signature	Z#	Initials	Date
<u>N/A</u>	<u>[Signature]</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
Operator (print)	Signature	Z#	Initials	Date
<u>N/A</u>	<u>[Signature]</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
Operator (print)	Signature	Z#	Initials	Date

9.1[2] Reviewed by:

<u>N/A</u>	<u>[Signature]</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
SOM or designee (print)	Signature	Z#	Initials	Date

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6.[6] Date: From 6/24/15 to 6/25/15 Location: 375

Container ID # (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])	Temp (°F) (6.[8]/6.[9])
N/A														
Ambient Temperature (6.[13])	72.24 °F	71.41 °F	68.88 °F	66.79 °F	66.46 °F	66.05 °F	64.95 °F	64.20 °F	63.77 °F	63.11 °F	62.53 °F	62.08 °F	°F	°F
End Time (6.[14])	1825	1922	2026	2125	2229	2325	0028	0130	0229	0330	0430	0525		
6.[14]	Operator: WJC Operator: GE	Operator: WJC Operator: GE	Operator: WJC Operator: GE	Operator: GE Operator: WJC	Operator: GE Operator: WJC	Operator: GE Operator: WJC	Operator: WJC Operator: GE	Operator: WJC Operator: GE	Operator: WJC Operator: GE	Operator: GE Operator: WJC	Operator: GE Operator: WJC	Operator: GE Operator: WJC	Operator: Operator:	Operator: Operator:

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6.[6] Date: From 6/24/15 to 6/25/15 Location: 375

6.[2] Comments:

no entries 6/25/15

6.[18] Performed by:

<i>Wilfredo Contreras</i>	<i>[Signature]</i>	11128071	QR	16-24-15
Operator (print)	Signature	Z#	Initials	Date
<i>Gerald Espinoza</i>	<i>[Signature]</i>	11209761	GE	106 24 15
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature <i>NA</i>	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date

Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature <i>NA</i>	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date
Operator (print)	Signature	Z#	Initials	Date

9.1[2] Reviewed by:

<i>Gregory Mally</i>	<i>[Signature]</i>	226237	GM	6-25-15
SOM or designee (print)	Signature	Z#	Initials	Date