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From: Juarez, Catherine L**Sent:** Wednesday, November 15, 2017 4:04 PM**To:** Siona Briley <siona.briley@state.nm.us>; Ricardo Maestas <ricardo.maestas@state.nm.us>; jennifer.hower@state.nm.us; Butch Tongate <butch.tongate@state.nm.us>; Dhawan, Neelam, NMENV <neelam.dhawan@state.nm.us>; Kieling, John, NMENV <john.kieling@state.nm.us>; pam.allen@state.nm.us**Cc:** Maggiore, Peter <peter.maggiore@nnsa.doe.gov>; silas.deroma@nnsa.doe.gov; Nickless, David J <david.nickless@nnsa.doe.gov>; Pugh, Jody M <jody.pugh@nnsa.doe.gov>; Bishop, Milton L <lee.bishop@em.doe.gov>; Nash, Adrienne Lyn <adrienne.nash@nnsa.doe.gov>; Armijo, Karen <Karen.Armijo@nnsa.doe.gov>; jordan.arnswald@nnsa.doe.gov; Churchill, Elizabeth Anne <elizabeth.churchill@em.doe.gov>; Mairson, William Raymond <wrmairson@lanl.gov>; Torres, Enrique <etorres@lanl.gov>; Woitte, Deborah Kay <dwoitte@lanl.gov>; McMichael, Susan Lynn <smcmichael@lanl.gov>; Brandt, Michael Thomas <mtbrandt@lanl.gov>; Sharp-Geiger, Raeanna Racine <raeanna@lanl.gov>; Van Valkenburg, Taunia S <tauniav@lanl.gov>; Bacigalupa, Gian A <gian@lanl.gov>; Baumer, Andy <andybaumer@lanl.gov>; Martinez, Sandra <sandra@lanl.gov>; Schreiber, Arleen Thorn <arleen@lanl.gov>; Baldonado, Delilah <delilah@lanl.gov>; Hargis, Kenneth Marshall <khargis@lanl.gov>; Cabbil, Cheryl Denise <cabbil@lanl.gov>; Erickson, Randy <rerickson@lanl.gov>; Funk, David John <djf@lanl.gov>; Frederici, Dave <def@lanl.gov>; Robinson, Bruce Alan <robinson@lanl.gov>; McCann, John Phillips <jmccann@lanl.gov>; Tymkowych, John M <jtymkowych@lanl.gov>; Branch, Yvette S <ybranch@lanl.gov>; Guffee, Debi <dguffee@lanl.gov>; Saladen, Michael Thomas <saladen@lanl.gov>; epccat@lanl.gov; Diaz, Tammy <tdiaz@lanl.gov>; Haagenstad, Mark P <mph@lanl.gov>; Martinez, Lydia Emma <lydia@lanl.gov>; Naranjo, Felicia Danielle <felicia@lanl.gov>; Vigil-Holterman, Luciana R <luciana@lanl.gov>; Martinez, Ellena Isabel <martinez@lanl.gov>; Martinez, Amanda <amanda@lanl.gov>; Hohs, Wayne Peter <wphohs@lanl.gov>; Roberts, Benjamine Bellem <bbroberts@lanl.gov>; Baca, Victoria R <vbaca@lanl.gov>**Subject:** Monthly Technical Summary October 18, 2017 - November 15, 2017

Attached is the written monthly technical summary October 19, 2017 – November 15, 2017. Summaries are due the third Wednesday of each month. The Permittees are submitting the attached information pursuant to: Section 19 of the May 19, 2014, *Administrative Order*; the letters from NMED dated July 10, 2014; April 27, 2015; May 8, 2015; and August 12, 2015 regarding *Modification to May 19, 2014, Administrative Order*; and Section X of the *LANL Nitrate Salt-Bearing Waste Container Isolation Plan, Revision 9*, approved on October 16, 2017.

Cathy Juarez for
Mark Haagenstad
EPC-CP

Office: (505) 665-2014
Mobile: (505) 699-1733

NMED / LANL Technical Summary

October 18, 2017 – November 15, 2017

Participants:

- New Mexico Environment Department: Neelam Dhawan and Siona Briley.
- LANL – Los Alamos National Security: Luciana Vigil-Holterman, Felicia Naranjo, Lydia Martinez and Cathy Juarez.

LANL Technical Update:

- **Location of Nitrate Salt-Bearing Wastes**
 - Remediated nitrate salt-bearing waste containers (56 55-gallon containers, and 4 85-gallon overpacked POCs).
 - 60 remediated nitrate salt-bearing waste containers have been treated since May 18, 2017.
 - Treatment of remediated nitrate salt-bearing waste was completed on November 3, 2017
- **Monitoring - Daily Temperature**
 - Measured temperatures prior to treatment were all below 75 °F.
 - Final temperature data for remediated nitrate salt-bearing waste containers is attached including monitoring in the 375 Permacon, the refrigerator attached to the 375 Permacon, and the refrigerator in WCRRF.
- **Monitoring – Visual Inspections**
 - No abnormal conditions were observed.
- **Monitoring – headspace gas (HSG)**
 - A minimum of once per month HSG sampling was conducted on 55-gallon drums or overpack containers prior to treatment.
 - Final HSG sampling data is attached (H₂, CO, CO₂ and N₂O).
- **Additional measures currently underway**
 - None.
- **Anticipated Changes to Nitrate Salt-Bearing Waste Containers (e.g. movement, re-packaging)**
 - None.

Other:

Next Call: December 20, 2017

LA-UR-17-30488

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>

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>
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	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

	Requested Information	Actionee	Status	Completion Date
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)
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

	Requested Information	Actionee	Status	Completion Date
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
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 and will remain draft.	Closed November 19, 2015 Meeting with NMED-HWB personnel discussed that information in the Technical Assessment Report and the DOE Phase II Investigation Report were sufficient for closure.
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 and final path has not yet been determined.	Closed. November 19, 2015 meeting with NMED-HWB personnel.

	Requested Information	Actionee	Status	Completion Date
41.	Trending and correlation of temperature and HSG monitoring data.	LANL	---	Complete November 19, 2015 HSG data modeling report to be included with the LANL Isolation Plan and graphical depictions of HSG data and temperature will be included with monthly submittals starting in December 2015.
42.	Schedule a fourth update on LANL efforts – including teams.	LANL/ NMED	---	Complete November 3, 2014
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	---	Closed November 19, 2015 meeting with NMED-HWB personnel.
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.

	Requested Information	Actionee	Status	Completion Date
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.
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

Date	68685 - 68685					69553 - 69553					69615 - 69615					69616 - 69616						
	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	CH ₄ ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	CH ₄ ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	CH ₄ ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	CH ₄ ppm		
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Remediated Nitrate Salt Container Headspace Gas Analysis

Date	SB50069 - 69208					SB50452 - 69076					SB50522 - 69490					68430 - 68430						
	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	CH ₄ ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	CH ₄ ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	CH ₄ ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	CH ₄ ppm		
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Remediated Nitrate Salt Container Headspace Gas Analysis

Date	68507 - 68507					70503 - 68540					70503 - 68553					68567 - 68567						
	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	CH ₄ ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	CH ₄ ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	CH ₄ ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	CH ₄ ppm		
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Remediated Nitrate Salt Container Headspace Gas Analysis

Date	68624 - 68624					68631 - 68631					68638 - 68638					69013 - 69013						
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Remediated Nitrate Salt Container Headspace Gas Analysis

Date	69015 - 69015					69036 - 69036					69298 - 69298					69445 - 69445					
	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	CH ₄ ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	CH ₄ ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	CH ₄ ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	CH ₄ ppm	
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Remediated Nitrate Salt Container Headspace Gas Analysis

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	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	CH ₄ ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	CH ₄ ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	CH ₄ ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	CH ₄ ppm		
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Remediated Nitrate Salt Container Headspace Gas Analysis

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Remediated Nitrate Salt Container Headspace Gas Analysis

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Remediated Nitrate Salt Container Headspace Gas Analysis

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Remediated Nitrate Salt Container Headspace Gas Analysis

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10/20/17																						
10/21/17																						
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10/30/17																						
10/31/17																						
11/01/17																						
11/02/17																						
11/03/17																						

Remediated Nitrate Salt Container Headspace Gas Analysis

Date	69645 - 69645					93605 - 93605					94068 - 94068					94227 - 94227					
	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	CH ₄ ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	CH ₄ ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	CH ₄ ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	CH ₄ ppm	
10/18/17																					
10/19/17																					
10/20/17																					
10/21/17																					
10/22/17																					
10/23/17																					
10/24/17																					
10/25/17																					
10/26/17											458	902	12030	2140	15						
10/27/17																					
10/28/17																					
10/29/17											459	839	11895	2068	14						
10/30/17																					
10/31/17																					
11/01/17																					
11/02/17																					
11/03/17																					

Remediated Nitrate Salt Container Headspace Gas Analysis

Date	SB02198 - 68408					SB02203 - 92669					SB50073 - 69079					SB50418 - 69595					
	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	CH ₄ ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	CH ₄ ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	CH ₄ ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	CH ₄ ppm	
10/18/17																					
10/19/17																					
10/20/17																					
10/21/17																					
10/22/17																197	498	6474	734	10	
10/23/17																209	502	6658	796	10	
10/24/17																					
10/25/17																					
10/26/17																					
10/27/17																					
10/28/17																					
10/29/17																					
10/30/17																					
10/31/17																					
11/01/17																					
11/02/17																					
11/03/17																					

Remediated Nitrate Salt Container Headspace Gas Analysis

Date	SB50431 - 69280					SB50442 - 68648					SB50443 - 69183					SB50448 - 69491						
	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	CH ₄ ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	CH ₄ ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	CH ₄ ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	CH ₄ ppm		
10/18/17																						
10/19/17																						
10/20/17																						
10/21/17																						
10/22/17																						
10/23/17																						
10/24/17																						
10/25/17																						
10/26/17																						
10/27/17																						
10/28/17																						
10/29/17																						
10/30/17																						
10/31/17																						
11/01/17																						
11/02/17																						
11/03/17																						

Remediated Nitrate Salt Container Headspace Gas Analysis

Date	SB50451 - 69361					SB50529 - 68665					SB50559 - 92459					SB50559 - 92472						
	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	CH ₄ ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	CH ₄ ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	CH ₄ ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	CH ₄ ppm		
10/18/17																						
10/19/17																						
10/20/17																						
10/21/17																						
10/22/17																						
10/23/17																						
10/24/17																						
10/25/17																						
10/26/17																						
10/27/17																						
10/28/17																						
10/29/17																						
10/30/17																						
10/31/17																						
11/01/17																						
11/02/17																						
11/03/17																						

Remediated Nitrate Salt Container Headspace Gas Analysis

Date	87823					87825					87826					87827					
	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	CH ₄ ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	CH ₄ ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	CH ₄ ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	CH ₄ ppm	
10/18/17																					
10/19/17																					
10/20/17																					
10/21/17																					
10/22/17	171	306	4978	1139	0																
10/23/17	165	296	4799	1065	0						193	248	7518	1298	0	35	76	2773	381	0	
10/24/17																					
10/25/17											189	375	6538	1210	0	42	76	2784	374	0	
10/26/17																					
10/27/17																					
10/28/17																					
10/29/17																					
10/30/17																					
10/31/17						183	303	5580	1288	0	285	590	11711	2221	0	56	86	4082	538	0	
11/01/17											274	578	10867	2086	0						
11/02/17																					
11/03/17																					

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ATTACHMENT 2

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TA-54-0375 REFRIGERATOR AND CELL 1 RNS WASTE CONTAINER DAILY TEMPERATURE DATA SHEET

NOTE 1 Drum 69417 is no longer considered a RNS drum by LANL or NMED.

NOTE 2 ① = Cell 1; ② = Cell 2; ③ = Cell 3; Ⓜ = refrigerator; N/A – removed from Perma-Con and refrigerator

	Monday 6.[2] Date & Start Time: <u>10-16-17/1300</u>	Tuesday 6.[2] Date & Start Time: <u>10-17-17/1301</u>	Wednesday 6.[2] Date & Start Time: <u>10-18-17/1300</u>	Thursday 6.[2] Date & Start Time: <u>10-19-17/1302</u>	Friday 6.[2] Date & Start Time: <u>10-20-17/1305</u>	Saturday 6.[2] Date & Start Time: <u>10-21-17/1301</u>	Sunday 6.[2] Date & Start Time: <u>10-22-17/1300</u>							
TA-54-0375 Cell 1														
Calibrated infrared thermometer (6.[3])	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>12-19-17</u> File Number: <u>103868</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>12-19-17</u> File Number: <u>103868</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>12-19-17</u> File Number: <u>103868</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>12-19-17</u> File Number: <u>103868</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>12-19-17</u> File Number: <u>103868</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>12-19-17</u> File Number: <u>103868</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>12-19-17</u> File Number: <u>103868</u>							
Ambient Temperature (6.[4])	Cell 1: <u>57.2</u> °F	Cell 1: <u>56.9</u> °F	Cell 1: <u>58.2</u> °F	Cell 1: <u>57.0</u> °F	Cell 1: <u>57.7</u> °F	Cell 1: <u>57.5</u> °F	Cell 1: <u>57.5</u> °F							
(\$ Temperature ≤ 75°F SR 4.ESS.5.1 (6.[5]))	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT							
Ambient Temperature (6.[7])	Refrig.: <u>34.2</u> °F	Refrig.: <u>33.9</u> °F	Refrig.: <u>34.9</u> °F	Refrig.: <u>33.1</u> °F	Refrig.: <u>33.4</u> °F	Refrig.: <u>33.9</u> °F	Refrig.: <u>33.6</u> °F							
(\$ Ambient Refrig. Temp.: > 32°F and ≤ 41°F; SR 4.6.2.1, SAC 5.7.24 (6.[7]))	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT							
Container ID #	Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)													
68685	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>
68540	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>
68553	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>
69445	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>	① ② ③ Ⓜ <u>N/A</u> <u>N/A</u>

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Z# 174963

INITIAL SK

DATE 10-18-17

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Comments:

No Comments

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
Juan Garcia	<i>[Signature]</i>	169840	10-16-17
<i>[Signature]</i>	<i>[Signature]</i>	19525	10-17-17
Fabian Anaya	<i>[Signature]</i>	174963	10-18-17
Fabian Anaya	<i>[Signature]</i>	174963	10-19-17
Fabian Anaya	<i>[Signature]</i>	174963	10-20-17
Fabian Anaya	<i>[Signature]</i>	174963	10-21-17
Fabian Anaya	<i>[Signature]</i>	174963	10-22-17

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

10.1[2] Reviewed by:

SOM (print)	Signature	Z#	Date
/	/	/	/

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	Monday 6.[2]	Tuesday 6.[2]	Wednesday 6.[2]	Thursday 6.[2]	Friday 6.[2]	Saturday 6.[2]	Sunday 6.[2]							
TA-54-0375 Cell 2 (continued)														
Container ID #	Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)													
68567	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A							
94227	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A							
68648	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A							
69644	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A							
69183	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A							
69638	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A							
68624	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A							
68507	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A							
69568	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A							
69553	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A							
69598	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A							
92472	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A							
92459	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A							
69015	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A							
69639	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A							
69637	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A	① ② ③ R (N/A) N/A							
End Time (6.[16])	1306	1307	1306	1308	1309	1304	1305							
Initial (6.[16])	WO: <u>NA</u> WO: <u>NA</u>	WO: <u>LM</u> WO: <u>NA</u>	WO: <u>SA</u> WO: <u>NA</u>	WO: <u>FA</u> WO: <u>NA</u>	WO: <u>FA</u> WO: <u>NA</u>	WO: <u>FA</u> WO: <u>NA</u>	WO: <u>FA</u> WO: <u>NA</u>							

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Comments:

No Comments

6.[19] Performed by:

<i>Juan Garcia</i>	<i>[Signature]</i>	<i>169840</i>	<i>10-16-17</i>	<i>N/A</i>	/	/
Waste Operator (print)	Signature	Z#	Date	Waste Operator (print)	Signature	Date
<i>Leon Montoya</i>	<i>[Signature]</i>	<i>191526</i>	<i>10-17-17</i>	<i>N/A</i>	/	/
Waste Operator (print)	Signature	Z#	Date	Waste Operator (print)	Signature	Date
<i>Fabian Anaya</i>	<i>[Signature]</i>	<i>174903</i>	<i>10-18-17</i>	<i>N/A</i>	/	/
Waste Operator (print)	Signature	Z#	Date	Waste Operator (print)	Signature	Date
<i>Fabian Anaya</i>	<i>[Signature]</i>	<i>174903</i>	<i>10-19-17</i>	<i>N/A</i>	/	/
Waste Operator (print)	Signature	Z#	Date	Waste Operator (print)	Signature	Date
<i>Fabian Anaya</i>	<i>[Signature]</i>	<i>174963</i>	<i>10-20-17</i>	<i>N/A</i>	/	/
Waste Operator (print)	Signature	Z#	Date	Waste Operator (print)	Signature	Date
<i>Fabian Anaya</i>	<i>[Signature]</i>	<i>174963</i>	<i>10-21-17</i>	<i>N/A</i>	/	/
Waste Operator (print)	Signature	Z#	Date	Waste Operator (print)	Signature	Date
<i>Fabian Anaya</i>	<i>[Signature]</i>	<i>174963</i>	<i>10-22-17</i>	<i>N/A</i>	/	/
Waste Operator (print)	Signature	Z#	Date	Waste Operator (print)	Signature	Date
				<i>N/A</i>	/	/
				Waste Operator (print)	Signature	Date

10.1[2] Reviewed by:

/	/	/
SOM (print)	Signature	Date

TA-54 Area G RNS Waste
Container Monitoring

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ATTACHMENT 4

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Comments:

No Comments

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
<i>Juan Garcia</i>	<i>[Signature]</i>	<i>169840</i>	<i>10-16-17</i>
<i>[Signature]</i>	<i>[Signature]</i>	<i>19526</i>	<i>10-22-17</i>
<i>Fabian Anaya</i>	<i>Fabian Anaya</i>	<i>174963</i>	<i>10-18-17</i>
<i>Fabian Anaya</i>	<i>Fabian Anaya</i>	<i>174963</i>	<i>10-19-17</i>
<i>Fabian Anaya</i>	<i>Fabian Anaya</i>	<i>174963</i>	<i>10-20-17</i>
<i>Fabian Anaya</i>	<i>Fabian Anaya</i>	<i>174963</i>	<i>10-21-17</i>
<i>Fabian Anaya</i>	<i>Fabian Anaya</i>	<i>174963</i>	<i>10-22-17</i>

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

10.1[2] Reviewed by:

SOM (print)	Signature	Z#	Date
<i>/</i>	<i>/</i>	<i>/</i>	<i>/</i>

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TA-54-0375 REFRIGERATOR AND CELL 1 RNS WASTE CONTAINER DAILY TEMPERATURE DATA SHEET

NOTE 1 Drum 69417 is no longer considered a RNS drum by LANL or NMED.

NOTE 2 ① = Cell 1; ② = Cell 2; ③ = Cell 3; ④ = refrigerator; N/A – removed from Perma-Con and refrigerator

	Monday 6.[2] Date & Start Time: 10-23-17/1301	Tuesday 6.[2] Date & Start Time: 10-24-17/1401	Wednesday 6.[2] Date & Start Time: 10-25-17/1302	Thursday 6.[2] Date & Start Time: 10-26-17/1301	Friday 6.[2] Date & Start Time: 10-27-17/1300	Saturday 6.[2] Date & Start Time: 10-28-17/1305	Sunday 6.[2] Date & Start Time: 10-29-17/1300							
TA-54-0375 Cell 1														
Calibrated infrared thermometer (6.[3])	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>12-19-17</u> File Number: <u>103868</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>12-19-17</u> File Number: <u>103868</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>12-19-17</u> File Number: <u>103868</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>12-19-17</u> File Number: <u>103868</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>12-19-17</u> File Number: <u>103868</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>12-19-17</u> File Number: <u>103868</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>12-19-17</u> File Number: <u>103868</u>							
Ambient Temperature (6.[4])	Cell 1: <u>56.7</u> °F	Cell 1: <u>57.0</u> °F	Cell 1: <u>56.4</u> °F	Cell 1: <u>56.7</u> °F	Cell 1: <u>53.4</u> °F	Cell 1: <u>53.9</u> °F	Cell 1: <u>53.5</u> °F							
(S) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[5])	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT							
Ambient Temperature (6.[7])	Refrig.: <u>34.4</u> °F	Refrig.: <u>34.9</u> °F	Refrig.: <u>33.5</u> °F	Refrig.: <u>33.5</u> °F	Refrig.: <u>34.0</u> °F	Refrig.: <u>33.4</u> °F	Refrig.: <u>33.4</u> °F							
(S) Ambient Refrig. Temp.: > 32°F and ≤ 41°F; SR 4.6.2.1, SAC 5.7.24 (6.[7])	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT							
Container ID #	Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)													
68685	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>
68540	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>
68553	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>
69445	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>	① ② ③ ④ <u>N/A</u> <u>N/A</u>

WORKING COPY

Z# 174977

INITIAL QA DATE 10-23-17

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	Monday 6.[2]	Tuesday 6.[2]	Wednesday 6.[2]	Thursday 6.[2]	Friday 6.[2]	Saturday 6.[2]	Sunday 6.[2]
TA-54-0375 Cell 1 (continued)							
69618	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A
69013	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A
69490	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A
69076	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A
69280	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A
69208	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A
69079	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A
69636	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A
69616	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A
69417	N/A	N/A	N/A	N/A	N/A	N/A	N/A
69620	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A
69520	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A
69641	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A
69298	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A
92669	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A
End Time (6.[16])	1306	1405	1305	1306	1303	1308	1301
Initial (6.[16])	WO: LM	WO: LM	WO: LM	WO: LM	WO: ME	WO: ME	WO: ME
	WO: MH	WO: MH	WO: MH	WO: MH	WO: N/A	WO: N/A	WO: N/A

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Comments:

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
Laura Montoya		191526	10-23-17
Waste Operator (print)	Signature	Z#	Date
Laura Montoya		191526	10-24-17
Waste Operator (print)	Signature	Z#	Date
Laura Montoya		191526	10-25-17
Waste Operator (print)	Signature	Z#	Date
Laura Montoya		191526	10-26-17
Waste Operator (print)	Signature	Z#	Date
MATTHEW ZOCCO		311676	10-27-17
Waste Operator (print)	Signature	Z#	Date
MATTHEW ZOCCO		311676	10-28-17
Waste Operator (print)	Signature	Z#	Date
MATTHEW ZOCCO		311676	10-29-17
Waste Operator (print)	Signature	Z#	Date

Waste Operator (print)	Signature	Z#	Date
/	/	/	/
Waste Operator (print)	Signature	Z#	Date
/	/	/	/
Waste Operator (print)	Signature	Z#	Date
/	/	/	/
Waste Operator (print)	Signature	Z#	Date
/	/	/	/
Waste Operator (print)	Signature	Z#	Date
/	/	/	/
Waste Operator (print)	Signature	Z#	Date
/	/	/	/
Waste Operator (print)	Signature	Z#	Date
/	/	/	/

10.1[2] Reviewed by:

SOM (print)	Signature	Z#	Date
/	/	/	/

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Comments:

6.[19] Performed by:

<i>Leon Montoya</i>	<i>[Signature]</i>	<i>191526</i>	<i>10-23-17</i>
Waste Operator (print)	Signature	Z#	Date
<i>Leon Montoya</i>	<i>[Signature]</i>	<i>191526</i>	<i>10-24-17</i>
Waste Operator (print)	Signature	Z#	Date
<i>Leon Montoya</i>	<i>[Signature]</i>	<i>191526</i>	<i>10-25-17</i>
Waste Operator (print)	Signature	Z#	Date
<i>Leon Montoya</i>	<i>[Signature]</i>	<i>191526</i>	<i>10-26-17</i>
Waste Operator (print)	Signature	Z#	Date
<i>MATTHEW Falco</i>	<i>[Signature]</i>	<i>311676</i>	<i>10-27-17</i>
Waste Operator (print)	Signature	Z#	Date
<i>MATTHEW Falco</i>	<i>[Signature]</i>	<i>311676</i>	<i>10-28-17</i>
Waste Operator (print)	Signature	Z#	Date
<i>MATTHEW Falco</i>	<i>[Signature]</i>	<i>311676</i>	<i>10-29-17</i>
Waste Operator (print)	Signature	Z#	Date

/	/	/	/
Waste Operator (print)	Signature	Z#	Date
/	/	/	/
Waste Operator (print)	Signature	Z#	Date
/	/	/	/
Waste Operator (print)	Signature	Z#	Date
/	/	/	/
Waste Operator (print)	Signature	Z#	Date
/	/	/	/
Waste Operator (print)	Signature	Z#	Date
/	/	/	/
Waste Operator (print)	Signature	Z#	Date
/	/	/	/
Waste Operator (print)	Signature	Z#	Date

10.1[2] Reviewed by:

/	/	/
SOM (print)	Signature	Date
/	/	/
Z#		

TA-54 Area G RNS Waste
Container Monitoring

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	Monday 6.[2]	Tuesday 6.[2]	Wednesday 6.[2]	Thursday 6.[2]	Friday 6.[2]	Saturday 6.[2]	Sunday 6.[2]
TA-54-0375 Cell 3 (continued)							
Container ID #	Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)						
69604	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A
68665	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A
69595	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A
69036	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A
69361	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A
69559	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A
69491	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A
87827	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A
87826	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A
87823	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A
87825	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A	① ② ③ ● N/A
End Time (6.[16])	1311	1411	1313	1310	1309	1301	1303
Initial (6.[16])	WO: <u>LM</u> WO: <u>NA</u>	WO: <u>LM</u> WO: <u>NA</u>	WO: <u>LM</u> WO: <u>NA</u>	WO: <u>LM</u> WO: <u>NA</u>	WO: <u>ME</u> WO: <u>NA</u>	WO: <u>ME</u> WO: <u>NA</u>	WO: <u>ME</u> WO: <u>NA</u>

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Comments:

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
Leon Montoya	<i>[Signature]</i>	191526	10-25-17
Waste Operator (print)	Signature	Z#	Date
Leon Montoya	<i>[Signature]</i>	191526	10-24-17
Waste Operator (print)	Signature	Z#	Date
Leon Montoya	<i>[Signature]</i>	191526	10-25-17
Waste Operator (print)	Signature	Z#	Date
Leon Montoya	<i>[Signature]</i>	191526	10-26-17
Waste Operator (print)	Signature	Z#	Date
MATTHEW FOCCO	<i>[Signature]</i>	311676	10-27-17
Waste Operator (print)	Signature	Z#	Date
MATTHEW FOCCO	<i>[Signature]</i>	311676	10-28-17
Waste Operator (print)	Signature	Z#	Date
MATTHEW FOCCO	<i>[Signature]</i>	311676	10-29-17
Waste Operator (print)	Signature	Z#	Date

Waste Operator (print)	Signature	Z#	Date
/	/	/	/
Waste Operator (print)	Signature	Z#	Date
/	/	/	/
Waste Operator (print)	Signature	Z#	Date
/	/	/	/
Waste Operator (print)	Signature	Z#	Date
/	/	/	/
Waste Operator (print)	Signature	Z#	Date
/	/	/	/
Waste Operator (print)	Signature	Z#	Date
/	/	/	/
Waste Operator (print)	Signature	Z#	Date
/	/	/	/

10.1[2] Reviewed by:

SOM (print)	Signature	Z#	Date
/	/	/	/

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TA-54-0375 REFRIGERATOR AND CELL 1 RNS WASTE CONTAINER DAILY TEMPERATURE DATA SHEET

NOTE 1 Drum 69417 is no longer considered a RNS drum by LANL or NMED.

NOTE 2 Ⓚ = Cell 1; Ⓛ = Cell 2; Ⓜ = Cell 3; Ⓡ = refrigerator; N/A - removed from Perma-Con and refrigerator

	Monday 6.[2] Date & Start Time: 10-30-17/1200	Tuesday 6.[2] Date & Start Time: 10-31-17/1301	Wednesday 6.[2] Date & Start Time:	Thursday 6.[2] Date & Start Time:	Friday 6.[2] Date & Start Time:	Saturday 6.[2] Date & Start Time:	Sunday 6.[2] Date & Start Time:							
TA-54-0375 Cell 1														
Calibrated infrared thermometer (6.[3])	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>12-19-17</u> File Number: <u>103868</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>12-19-17</u> File Number: <u>103868</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: _____	Brand: _____ Model: _____ Cal. Due Date: _____ File Number: _____							
Ambient Temperature (6.[4])	Cell 1: <u>53.9</u> °F	Cell 1: <u>51.5</u> °F	Cell 1: _____ °F	Cell 1: _____ °F	Cell 1: _____ °F	Cell 1: _____ °F	Cell 1: _____ °F							
(S) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[5])	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT							
Ambient Temperature (6.[7])	Refrig.: <u>33.1</u> °F	Refrig.: <u>33.1</u> °F	Refrig.: _____ °F	Refrig.: _____ °F	Refrig.: _____ °F	Refrig.: _____ °F	Refrig.: _____ °F							
(S) Ambient Refrig. Temp.: > 32°F and ≤ 41°F; SR 4.6.2.1, SAC 5.7.24 (6.[7])	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT							
Container ID #	Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)													
68685	Ⓚ Ⓛ Ⓜ Ⓡ N/A n/a	Ⓚ Ⓛ Ⓜ Ⓡ N/A n/a	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A
68540	Ⓚ Ⓛ Ⓜ Ⓡ N/A n/a	Ⓚ Ⓛ Ⓜ Ⓡ N/A n/a	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A
68553	Ⓚ Ⓛ Ⓜ Ⓡ N/A n/a	Ⓚ Ⓛ Ⓜ Ⓡ N/A n/a	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A
69445	Ⓚ Ⓛ Ⓜ Ⓡ N/A n/a	Ⓚ Ⓛ Ⓜ Ⓡ N/A n/a	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A	Ⓚ Ⓛ Ⓜ Ⓡ N/A

WORKING COPY INITIAL _____ DATE _____
Z# 174977 #2
INITIAL QA DATE 10-30-17 WORKING COPY

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	Monday 6.[2]	Tuesday 6.[2]	Wednesday 6.[2]	Thursday 6.[2]	Friday 6.[2]	Saturday 6.[2]	Sunday 6.[2]
TA-54-0375 Cell 1 (continued)							
69618	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A
69013	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A
69490	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A
69076	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A
69280	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A
69208	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A
69079	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A
69636	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A
69616	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A
69417	N/A	N/A	N/A	N/A	N/A	N/A	N/A
69620	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A
69520	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A
69641	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A
69298	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A
92669	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A
End Time (6.[16])	1304	1305					
Initial (6.[16])	WO: FH WO: N/A	WO: LM WO: N/A	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____

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Comments:

6.[19] Performed by:

<u>Fabian Araya</u>	<u>Fabian Araya</u>	<u>174963</u>	<u>1/10-30-17</u>
Waste Operator (print)	Signature	Z#	Date
<u>Leon Montoya</u>	<u>[Signature]</u>	<u>191526</u>	<u>1/10-31-17</u>
Waste Operator (print)	Signature	Z#	Date
Waste Operator (print)	Signature	Z#	Date
Waste Operator (print)	Signature	Z#	Date
Waste Operator (print)	Signature	Z#	Date
Waste Operator (print)	Signature	Z#	Date
Waste Operator (print)	Signature	Z#	Date

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

10.1[2] Reviewed by:

_____	_____	_____	_____
SOM (print)	Signature	Z#	Date

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TA-54-0375 CELL 2 RNS WASTE CONTAINER DAILY TEMPERATURE DATA SHEET

NOTE ① = Cell 1; ② = Cell 2; ③ = Cell 3; ④ = refrigerator; N/A – removed from Perma-Con and refrigerator

	Monday 6.[2] Date & Start Time: <u>10-20-17 / 1305</u>	Tuesday 6.[2] Date & Start Time: <u>10-31-17 / 1316</u>	Wednesday 6.[2] Date & Start Time:	Thursday 6.[2] Date & Start Time:	Friday 6.[2] Date & Start Time:	Saturday 6.[2] Date & Start Time:	Sunday 6.[2] Date & Start Time:
TA-54-0375 Cell 2							
Calibrated infrared thermometer (6.[3])	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>12-19-17</u> File Number: <u>103865</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>12-19-17</u> File Number: <u>103865</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: _____	Brand: _____ Model: _____ Cal. Due Date: _____ File Number: _____
Ambient Temperature (6.[4])	Cell 2: <u>52.5</u> °F	Cell 2: <u>50.7</u> °F	Cell 2: _____ °F	Cell 2: _____ °F	Cell 2: _____ °F	Cell 2: _____ °F	Cell 2: _____ °F
(S) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[5])	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT
Container ID #	Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)						
68408	① ② ③ ④ N/A N/A	① ② ③ ④ N/A N/A	① ② ③ ④ N/A	① ② ③ ④ N/A	① ② ③ ④ N/A	① ② ③ ④ N/A	① ② ③ ④ N/A
68638	① ② ③ ④ N/A N/A	① ② ③ ④ N/A N/A	① ② ③ ④ N/A	① ② ③ ④ N/A	① ② ③ ④ N/A	① ② ③ ④ N/A	① ② ③ ④ N/A
69615	① ② ③ ④ N/A N/A	① ② ③ ④ N/A N/A	① ② ③ ④ N/A	① ② ③ ④ N/A	① ② ③ ④ N/A	① ② ③ ④ N/A	① ② ③ ④ N/A
69635	① ② ③ ④ N/A N/A	① ② ③ ④ N/A N/A	① ② ③ ④ N/A	① ② ③ ④ N/A	① ② ③ ④ N/A	① ② ③ ④ N/A	① ② ③ ④ N/A
69642	① ② ③ ④ N/A N/A	① ② ③ ④ N/A N/A	① ② ③ ④ N/A	① ② ③ ④ N/A	① ② ③ ④ N/A	① ② ③ ④ N/A	① ② ③ ④ N/A
69630	① ② ③ ④ N/A N/A	① ② ③ ④ N/A N/A	① ② ③ ④ N/A	① ② ③ ④ N/A	① ② ③ ④ N/A	① ② ③ ④ N/A	① ② ③ ④ N/A
69633	① ② ③ ④ N/A N/A	① ② ③ ④ N/A N/A	① ② ③ ④ N/A	① ② ③ ④ N/A	① ② ③ ④ N/A	① ② ③ ④ N/A	① ② ③ ④ N/A
68430	① ② ③ ④ N/A N/A	① ② ③ ④ N/A N/A	① ② ③ ④ N/A	① ② ③ ④ N/A	① ② ③ ④ N/A	① ② ③ ④ N/A	① ② ③ ④ N/A
68631	① ② ③ ④ N/A N/A	① ② ③ ④ N/A N/A	① ② ③ ④ N/A	① ② ③ ④ N/A	① ② ③ ④ N/A	① ② ③ ④ N/A	① ② ③ ④ N/A
69634	① ② ③ ④ N/A N/A	① ② ③ ④ N/A N/A	① ② ③ ④ N/A	① ② ③ ④ N/A	① ② ③ ④ N/A	① ② ③ ④ N/A	① ② ③ ④ N/A

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	Monday 6.[2]	Tuesday 6.[2]	Wednesday 6.[2]	Thursday 6.[2]	Friday 6.[2]	Saturday 6.[2]	Sunday 6.[2]
TA-54-0375 Cell 2 (continued)							
Container ID #	Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)						
68567	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A
94227	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A
68648	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A
69644	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A
69183	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A
69638	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A
68624	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A
68507	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A
69568	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A
69553	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A
69598	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A
92472	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A
92459	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A
69015	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A
69639	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A
69637	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A	① ② ③ Ⓢ N/A
End Time (6.[16])	1506	1507					
Initial (6.[16])	WO: <u>SK</u> WO: <u>N/A</u>	WO: <u>LM</u> WO: <u>N/A</u>	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____

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Comments:

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
<i>LOTH MONITOR</i>	<i>[Signature]</i>	<i>1174963</i>	<i>110-30-17</i>
Waste Operator (print)	Signature	Z#	Date
		<i>1191526</i>	<i>110-31-17</i>
Waste Operator (print)	Signature	Z#	Date
Waste Operator (print)	Signature	Z#	Date
Waste Operator (print)	Signature	Z#	Date
Waste Operator (print)	Signature	Z#	Date
Waste Operator (print)	Signature	Z#	Date

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

10.1[2] Reviewed by:

SOM (print)	Signature	Z#	Date

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TA-54-0375 CELL 3 RNS WASTE CONTAINER DAILY TEMPERATURE DATA SHEET

NOTE ① = Cell 1; ② = Cell 2; ③ = Cell 3; (R) = refrigerator; N/A – removed from Perma-Con and refrigerator

Monday 6.[2] Date & Start Time:	Tuesday 6.[2] Date & Start Time:	Wednesday 6.[2] Date & Start Time:	Thursday 6.[2] Date & Start Time:	Friday 6.[2] Date & Start Time:	Saturday 6.[2] Date & Start Time:	Sunday 6.[2] Date & Start Time:
10-20-17/1307	10-31-17/1308	_____	_____	_____	_____	_____

TA-54-0375 Cell 3							
Calibrated infrared thermometer (6.[3])	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>12-19-17</u> File Number: <u>103868</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>12-19-17</u> File Number: <u>103868</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: _____	Brand: _____ Model: _____ Cal. Due Date: _____ File Number: _____
Ambient Temperature (6.[4])	Cell 3: <u>52.7</u> °F	Cell 3: <u>50.7</u> °F	Cell 3: _____ °F	Cell 3: _____ °F	Cell 3: _____ °F	Cell 3: _____ °F	Cell 3: _____ °F
(S) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[5])	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT
Container ID #	Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)						
69519	① ② ③ (R) (N/A) N/A	① ② ③ (R) (N/A) N/A	① ② ③ (R) N/A	① ② ③ (R) N/A	① ② ③ (R) N/A	① ② ③ (R) N/A	① ② ③ (R) N/A
69645	① ② ③ (R) (N/A) N/A	① ② ③ (R) (N/A) N/A	① ② ③ (R) N/A	① ② ③ (R) N/A	① ② ③ (R) N/A	① ② ③ (R) N/A	① ② ③ (R) N/A
94068	① ② ③ (R) (N/A) N/A	① ② ③ (R) (N/A) N/A	① ② ③ (R) N/A	① ② ③ (R) N/A	① ② ③ (R) N/A	① ② ③ (R) N/A	① ② ③ (R) N/A
93605	① ② ③ (R) (N/A) N/A	① ② ③ (R) (N/A) N/A	① ② ③ (R) N/A	① ② ③ (R) N/A	① ② ③ (R) N/A	① ② ③ (R) N/A	① ② ③ (R) N/A
69548	① ② ③ (R) (N/A) N/A	① ② ③ (R) (N/A) N/A	① ② ③ (R) N/A	① ② ③ (R) N/A	① ② ③ (R) N/A	① ② ③ (R) N/A	① ② ③ (R) N/A

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	Monday 6.[2]	Tuesday 6.[2]	Wednesday 6.[2]	Thursday 6.[2]	Friday 6.[2]	Saturday 6.[2]	Sunday 6.[2]
TA-54-0375 Cell 3 (continued)							
Container ID #	Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)						
69604	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A
68665	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A
69595	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A
69036	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A
69361	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A
69559	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A
69491	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A
87827	① ② ③ Ⓢ N/A	33.6	① ② ③ Ⓢ N/A	33.9	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A
87826	① ② ③ ● N/A	33.1	① ② ③ ● N/A	33.4	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A
87823	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A
87825	① ② ③ Ⓢ N/A	33.6	① ② ③ ● N/A	33.7	① ② ③ Ⓢ N/A	N/A	① ② ③ Ⓢ N/A
End Time (6.[16])	1308	1509					
Initial (6.[16])	WO: FA WO: N/A	WO: LM WO: N/A	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____

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Comments:

6.[19] Performed by:

<i>Fabian Araya</i>	<i>Fabian Araya</i>	<i>17463</i>	<i>10-30-17</i>
Waste Operator (print)	Signature	Z#	Date
<i>Leon Martinez</i>	<i>Leon Martinez</i>	<i>191526</i>	<i>10-31-17</i>
Waste Operator (print)	Signature	Z#	Date
Waste Operator (print)	Signature	Z#	Date
Waste Operator (print)	Signature	Z#	Date
Waste Operator (print)	Signature	Z#	Date
Waste Operator (print)	Signature	Z#	Date
Waste Operator (print)	Signature	Z#	Date

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

10.1[2] Reviewed by:

SOM (print)	Signature	Z#	Date

TSR - INSIDE ROUNDS							Period Covered (mm/dd/yy) <u>10/23/2017</u> to <u>10/29/2017</u>				
Item	Equipment Checked	Min	Max	Measurement	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
59	(&) MEASURE, RECORD, and VISUALLY INSPECT RNS WASTE CONTAINERS located in the refrigerator in accordance with the instruction/criteria provided in Steps 5.[9] – 5.[17]. (IP IV.7) N/A when no RNS containers are in the refrigerator.										
Day	5.[9] RNS Container ID	5.[10] (&) Container Integrity (IP IV.7)	5.[13] (S) PRDwSF intact and not obstructed (DF 6.2.3)	5.[15] (&) Container Temperature (IP IV.7)	5.[16] RNS Container temperature not 10°F > refrigerator temperature (Item 58)	5.[17] RNS Container temperature not > 85°F					
Mon	LA00000069491 NA	SAT / UNSAT / NA SAT / UNSAT / NA	SAT / UNSAT / NA SAT / UNSAT / NA	39.7°F NA°F	SAT / UNSAT / NA SAT / UNSAT / NA	SAT / UNSAT / NA SAT / UNSAT / NA					
Tue	LA00000069491 NA	SAT / UNSAT / NA SAT / UNSAT / NA	SAT / UNSAT / NA SAT / UNSAT / NA	39.7°F NA°F	SAT / UNSAT / NA SAT / UNSAT / NA	SAT / UNSAT / NA SAT / UNSAT / NA					
Wed	LA00000087823 LA00000069491 LA00000069595	SAT / UNSAT / NA SAT / UNSAT / NA SAT / UNSAT / NA	SAT / UNSAT / NA SAT / UNSAT / NA SAT / UNSAT / NA	43.9°F 43.6°F 43.7°F	SAT / UNSAT / NA SAT / UNSAT / NA SAT / UNSAT / NA	SAT / UNSAT / NA SAT / UNSAT / NA SAT / UNSAT / NA					
Thur	LA00000087823 LA00000069595 NA	SAT / UNSAT / NA SAT / UNSAT / NA SAT / UNSAT / NA	SAT / UNSAT / NA SAT / UNSAT / NA SAT / UNSAT / NA	40.7°F 40.7°F NA°F	SAT / UNSAT / NA SAT / UNSAT / NA SAT / UNSAT / NA	SAT / UNSAT / NA SAT / UNSAT / NA SAT / UNSAT / NA					
Fri	LA00000069595 LA00000087823 NA	SAT / UNSAT / NA SAT / UNSAT / NA SAT / UNSAT / NA	SAT / UNSAT / NA SAT / UNSAT / NA SAT / UNSAT / NA	41.5°F 43.7°F NA°F	SAT / UNSAT / NA SAT / UNSAT / NA SAT / UNSAT / NA	SAT / UNSAT / NA SAT / UNSAT / NA SAT / UNSAT / NA					
Sat	LA00000087823 NA NA	SAT / UNSAT / NA SAT / UNSAT / NA SAT / UNSAT / NA	SAT / UNSAT / NA SAT / UNSAT / NA SAT / UNSAT / NA	39.2°F NA°F NA°F	SAT / UNSAT / NA SAT / UNSAT / NA SAT / UNSAT / NA	SAT / UNSAT / NA SAT / UNSAT / NA SAT / UNSAT / NA					
Sun	LA00000087823 NA NA	SAT / UNSAT / NA SAT / UNSAT / NA SAT / UNSAT / NA	SAT / UNSAT / NA SAT / UNSAT / NA SAT / UNSAT / NA	41.6°F NA°F NA°F	SAT / UNSAT / NA SAT / UNSAT / NA SAT / UNSAT / NA	SAT / UNSAT / NA SAT / UNSAT / NA SAT / UNSAT / NA					

UET

TSR - INSIDE ROUNDS						Period Covered (mm/dd/yy) <u>10/20/2017 to 11/5/2017</u>					
Item	Equipment Checked	Min	Max	Measurement	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
59	(&) MEASURE, RECORD, and VISUALLY INSPECT RNS WASTE CONTAINERS located in the refrigerator in accordance with the instruction/criteria provided in Steps 5.[9] – 5.[17]. (IP IV.7) N/A when no RNS containers are in the refrigerator.										
Day	5.[9] RNS Container ID	5.[10] (&) Container Integrity (IP IV.7)	5.[13] (\$) PRDwSF intact and not obstructed (DF 6.2.3)	5.[15] (&) Container Temperature (IP IV.7)	5.[16] RNS Container temperature not 10°F > refrigerator temperature (Item 58)	5.[17] RNS Container temperature not > 85°F					
Mon	<u>LA00000087823</u> <u>N/A</u> <u>N/A</u>	<u>SAT</u> / UNSAT / NA SAT / UNSAT / <u>NA</u> SAT / UNSAT / <u>NA</u>	SAT / UNSAT / <u>NA</u> SAT / UNSAT / <u>NA</u> SAT / UNSAT / <u>NA</u>	<u>41.6</u> °F <u>N/A</u> °F <u>N/A</u> °F	<u>SAT</u> / UNSAT / NA SAT / UNSAT / <u>NA</u> SAT / UNSAT / <u>NA</u>	<u>SAT</u> / UNSAT / NA SAT / UNSAT / <u>NA</u> SAT / UNSAT / <u>NA</u>					
Tue	<u>LA00000087823</u> <u>N/A</u> <u>N/A</u>	<u>SAT</u> / UNSAT / NA SAT / UNSAT / <u>NA</u> SAT / UNSAT / <u>NA</u>	SAT / UNSAT / <u>NA</u> SAT / UNSAT / <u>NA</u> SAT / UNSAT / <u>NA</u>	<u>42.2</u> °F <u>N/A</u> °F <u>N/A</u> °F	<u>SAT</u> / UNSAT / NA SAT / UNSAT / <u>NA</u> SAT / UNSAT / <u>NA</u>	<u>SAT</u> / UNSAT / NA SAT / UNSAT / <u>NA</u> SAT / UNSAT / <u>NA</u>					
Wed	<u>LA00000087823</u> <u>N/A</u> <u>N/A</u>	<u>SAT</u> / UNSAT / NA SAT / UNSAT / <u>NA</u> SAT / UNSAT / <u>NA</u>	SAT / UNSAT / <u>NA</u> SAT / UNSAT / <u>NA</u> SAT / UNSAT / <u>NA</u>	<u>40.0</u> °F <u>N/A</u> °F <u>N/A</u> °F	<u>SAT</u> / UNSAT / NA SAT / UNSAT / <u>NA</u> SAT / UNSAT / <u>NA</u>	<u>SAT</u> / UNSAT / NA SAT / UNSAT / <u>NA</u> SAT / UNSAT / <u>NA</u>					
Thur	<u>LA00000087825</u> <u>LA00000087826</u> <u>LA00000087827</u>	<u>SAT</u> / UNSAT / NA <u>SAT</u> / UNSAT / NA <u>SAT</u> / UNSAT / NA	SAT / UNSAT / <u>NA</u> SAT / UNSAT / <u>NA</u> SAT / UNSAT / <u>NA</u>	<u>41.3</u> °F <u>41.0</u> °F <u>41.6</u> °F	<u>SAT</u> / UNSAT / NA <u>SAT</u> / UNSAT / NA <u>SAT</u> / UNSAT / NA	<u>SAT</u> / UNSAT / NA <u>SAT</u> / UNSAT / NA <u>SAT</u> / UNSAT / NA					
Fri	<u>LA00000087826</u> <u>LA00000087827</u> <u>NA</u>	<u>SAT</u> / UNSAT / NA <u>SAT</u> / UNSAT / NA SAT / UNSAT / <u>NA</u>	SAT / UNSAT / <u>NA</u> SAT / UNSAT / <u>NA</u> SAT / UNSAT / <u>NA</u>	<u>41.5</u> °F <u>42.2</u> °F <u>N/A</u> °F	<u>SAT</u> / UNSAT / NA <u>SAT</u> / UNSAT / NA SAT / UNSAT / <u>NA</u>	<u>SAT</u> / UNSAT / NA <u>SAT</u> / UNSAT / NA SAT / UNSAT / <u>NA</u>					
Sat	<u>N/A</u> <u>N/A</u> <u>N/A</u>	SAT / UNSAT / <u>NA</u> SAT / UNSAT / <u>NA</u> SAT / UNSAT / <u>NA</u>	SAT / UNSAT / <u>NA</u> SAT / UNSAT / <u>NA</u> SAT / UNSAT / <u>NA</u>	<u>N/A</u> °F <u>N/A</u> °F <u>N/A</u> °F	SAT / UNSAT / <u>NA</u> SAT / UNSAT / <u>NA</u> SAT / UNSAT / <u>NA</u>	SAT / UNSAT / <u>NA</u> SAT / UNSAT / <u>NA</u> SAT / UNSAT / <u>NA</u>					
Sun	<u>N/A</u> <u>N/A</u> <u>N/A</u>	SAT / UNSAT / <u>NA</u> SAT / UNSAT / <u>NA</u> SAT / UNSAT / <u>NA</u>	SAT / UNSAT / <u>NA</u> SAT / UNSAT / <u>NA</u> SAT / UNSAT / <u>NA</u>	<u>N/A</u> °F <u>N/A</u> °F <u>N/A</u> °F	SAT / UNSAT / <u>NA</u> SAT / UNSAT / <u>NA</u> SAT / UNSAT / <u>NA</u>	SAT / UNSAT / <u>NA</u> SAT / UNSAT / <u>NA</u> SAT / UNSAT / <u>NA</u>					