NMED / LANL Technical Summary

June 22, 2017 – July 19, 2017

Participants:

- New Mexico Environment Department: Siona Briley.
- LANL- NNSA – Los Alamos Field Office:
- LANL – Los Alamos National Security: David Funk, Mark Haagenstad, Luciana Vigil-Holterman 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).
        - Eight 55- gallon containers are located within the refrigerator attached to the 375 Permacon.
        - One container is located in the refrigerator within the Waste Characterization Reduction and Repackaging Facility (WCRRF).
        - Two containers will be transported to the refrigerator at WCRRF.
        - Fifteen remediated nitrate salt-bearing waste containers have been treated since May 18, 2017.
            - One remediated nitrate salt-bearing waste container is attached to the glovebox at WCRRF and waste is undergoing treatment.
        - All other containers (33) remain in the 375 Permacon.

- **Monitoring - Daily Temperature**
    - Temperatures are currently below 75 °F.
        - Data for the previous month 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)**
    - Container 69490 (formerly overpacked into SB50522) continued daily head space gas (HSG) sample collection.
        - June 21, 2017 - July 12, 2017 HSG data (H_2, CO, CO_2 and N_2O) attached.
            - HSG data for 69490 ends July 12, 2017 because treatment of the waste within the container started.
        - HSG data for 68685 ended on June 13, 2017.
    - Other containers:
        - A minimum of once per month HSG sampling is conducted on 55-gallon drums or overpack containers.
            - Through July 18, 2017, HSG sampling is complete for the month on 43 containers and data is attached (H_2, CO, CO_2 and N_2O).

- **Additional measures currently underway**
    - Twice-weekly HSG sample collection on 55-gallon drums of remediated nitrate salt-bearing waste.
        - HSG data (H_2, CO, CO_2, CH_4 and N_2O) attached for June 2017 and July 2017.
        - Only two containers are left in this population.
    - Graphical depictions of HSG data are attached for the container required to be sampled daily and the five other containers that were sampled twice weekly as additional measures.
        - CO_2 values are adjusted by the quantity of CO_2 in the field blank (i.e., the amount of CO_2 in the air when the sample is taken is subtracted from the CO_2 reading within the container). No other adjustments are made to the data.
        - The date of treatment is denoted at the top of the graph for the containers that are no longer sampled.

- **Anticipated Changes to Nitrate Salt-Bearing Waste Containers (e.g. movement, re-packaging)**
    - Activities conducted as needed:
        - Denesting from overpack containers
        - Movement to and storage in the refrigerator attached to the 375 Permacon
        - Shipment to WCRRF
        - Storage of containers within the refrigerator at WCRRF
        - Treatment/Segregation of waste

Other:

- During a LANL-wide network shut down on June 26, 2017, the remote data capability for continuous air monitors at TA-54-375 was not available while system upgrades were put in place. Data continued to be collected and an audible alarm would have sounded should there have been a release. Only remote data communications were down.

Next Call: Wednesday, August 16, 2017

Summary Chart - Requested Information / Pending Issues:

	Requested Information	Actionee	Status	Completion Date
1.	NMED contact / process for LANL to notify NMED under the Revised Isolation Plan (e.g., 24 hour notices).	NMED	---	Complete June 5, 2014
2.	Keep NMED informed on the status of on-going chemistry / analytical work.	LANL	---	Complete June 9, 2014
3.	On upcoming daily call, provide additional discussion on the potential for liquids in the 350 post-1991 cemented containers (including a discussion of the review of RTR tapes).	LANL	---	Complete July 6, 2014 (Discussion on call) July 18, 2014 (Meeting held)
4.	On upcoming call, provide additional discussion on why 231 and 375 Permacon fire suppression systems are not part of the LANL RCRA Hazardous Waste Facility Permit Contingency Plan.	LANL	---	Complete June 5, 2014
5.	Send copy of June 4, 2014 written daily submission to Trais Kliphuis. Also, include her on future daily submissions.	LANL	---	Complete June 5, 2014
6.	Provide LANL procedures and example records associated with post-1991 TA-55 cementation process discussed on June 6.	LANL	---	Complete July 3, 2014
7.	Provide information on numbers of containers in the post-1991 cemented waste streams from the TA-55 process discussed on June 6. This should include numbers regarding RTR status (RTR'd, meet WIPP criteria, requiring remediation).	LANL	---	Complete June 17, 2014 (Supplemental Info provided July 3)
8.	Provide RTR video and pre-screening information associated with those containers requiring remediation from the post-1991 cemented waste streams from the TA-55 process discussed on June 6.	LANL	---	Complete July 3, 2014
9.	Provide copy of CCP/LANL Interface Document.	LANL	---	Complete June 9, 2014
10.	Provide a list of the analytes for which LANL is sampling HSG (CO_2 and LFL analytes).	LANL	---	Complete June 11, 2014
11.	Discuss potential sampling of HSG for NO_x.	LANL	---	Complete June 16, 2014

	Requested Information	Actionee	Status	Completion Date
12.	Follow-up with Tim Hall regarding LANL Hazardous Waste Facility Permit and procedures that LANL is developing for possible future sampling of empty parent containers and unremediated nitrate salt-bearing containers at LANL.	LANL	---	Complete Empty Parent June 16, 2014 Unremediated August 14, 2014 (Supplemental information discussed on sampling of parent containers) August 26, 2014 (Letter on applicability of LANL HWFP for opening waste containers)

	Requested Information	Actionee	Status	Completion Date
13.	Respond to NMED email request for information associated with the nitrate salt-bearing parent and daughter waste containers. WIPP Recovery Daily Meeting Action List item #84 – NMED requested a copy of the LANL remediation records for waste stored in Panel 6 (Trais Kliphuis) – is a subset of the information in item 5 of this action.	LANL	---	Complete July 9, 2014 (Letter sent addressing items 1-4 and 6-9 of the email request) July 17, 2014 (Letter sent with updated spreadsheet) August 7, 2014 (First submittal in response to item 5) August 14, 2014 (Letter addressing items 2 & 8 - Second submittal in response to item 5) August 18, 2014 (Third submittal in response to item 5) August 21, 2014 (Fourth submittal in response to item 5) August 27, 2014 (Fifth submittal in response to item 5) September 4, 2014 (Sixth submittal in response to item 5) September 9, 2014 (Seventh submittal in response to item 5) September 11, 2014 (Eighth submittal in response to item 5) September 22, 2014 (Ninth submittal in response to item 5) September 23, 2014 (Tenth submittal in response to item 5) October 1, 2014 (Eleventh submittal in response to item 5) October 8, 2014 (Twelfth submittal in response to item 5) October 16, 2014 (Thirteenth submittal in response to item 5) October 23, 2014 (Fourteenth submittal in response to item 5) October 27, 2014 (Fifteenth submittal in response to item 5) October 28, 2014 (Sixteenth submittal in response to item 5) November 3, 2014 (Seventeenth submittal in response to item 5)

	Requested Information	Actionee	Status	Completion Date
14.	NMED will review the Round Sheets (provided in June 11 summary) and inform LANL if these should be attachments to the Revised Plan, or if they fall under the provision in Section I of the Revised Isolation Plan and their identification during this technical call is sufficient.	NMED	NMED has reviewed Round Sheets – no comments / direction at this time. NMED will address any comments in their formal response to Revised Container Isolation Plan.	Complete June 23, 2014
15.	NMED has requested 'copies of any waste processing, treatment, characterization stop orders issued since Feb 14, 2014.'	LANL	---	Complete June 13, 2014 (Included w/ daily summary) June 16, 2014 (Discussed current TA-54 & WCRRF operations)
16.	NMED requested information on the location of drums 68327 and 68328. Request made June 14.	LANL	---	Complete June 14, 2014
17.	Update on LANL efforts – including LANL teams. (On June 20 call, LANL offered to schedule an update meeting).	LANL / NMED	---	Complete July 2, 2014
18.	Neutralizer use in association with container S855793 (parent of 68660 and 68685).	LANL	---	Complete June 25, 2014
19.	List of nitrate salt-bearing waste containers that LANL records indicate contain absorbed liquids with the same neutralizer, as discussed during June 25 technical call.	LANL	---	Complete September 30, 2014 (with August 26, 2014 response)
20.	Schedule follow-on update on LANL efforts – including teams.	LANL / NMED	---	Complete August 14, 2014 (Meeting held)
21.	NMED requested information on document approval / review (as discussed on July 3 call).	LANL	---	Complete July 29, 2014
22.	What analyses will be conducted on samples taken from empty drums that previously contained nitrate salt-bearing waste.	LANL	---	Complete July 7, 2014
23.	NMED requested the following information on cemented waste containers generated from TA-55, that are currently stored above-ground at Area G: container id number; location; form (cans or monoliths); and type of concrete. Additionally, NMED requested information on pH adjustment during waste generation process, and information on anticipated pH of free liquids (and rationale).	LANL	---	Complete July 17, 2014 (Letter sent w/ information) July 18, 2014 (Meeting held)

	Requested Information	Actionee	Status	Completion Date
24.	NMED requested the procedure for sampling empty parent drums that previously contained nitrate salt-bearing waste.	LANL	EP-AREAG-WO-DOP-1245 is included in Enclosure 1 to LANL's July 3, 2014 *Response to Request for Information on Management of Waste at LANL*.	Complete July 8, 2014
25.	NMED requested an additional discussion on a future technical call regarding CO_2, including data.	LANL	---	Complete August 14, 2014 (Meeting held)
26.	NMED requested additional discussion on CIN-01 waste containers and absorbent, including confirmation and extent of use.	LANL	---	Complete July 18, 2014 (Meeting held)
27.	NMED requested historic analytical information on pH of liquids associated with gypsum cemented waste.	LANL	---	Complete August 7, 2014
28.	NMED requested link to pdf of Actinide Quarterly edition (3rd Q 2008).	LANL	---	Complete July 21, 2014
29.	NMED requested a copy of lessons learned	LANL	---	Complete August 11, 2014
30.	NMED request regarding empty drum sampling presentation.	LANL	Presentation is a pre-decisional draft/working document not for external release	August 25, 2014
31.	Respond to NMED email request dated 8/12/2014 for information associated with the nitrate salt-bearing waste containers.	LANL	---	Complete September 11, 2014
32.	NMED request regarding technical presentation.	LANL	Presentation is a pre-decisional draft/working document not for external release	August 25, 2014
33.	NMED request regarding literature review of catalytic reactions.	LANL	Literature review is a pre-decisional draft/working document not for external release	August 25, 2014
34.	LANL requested to schedule a meeting with NMED on remediation planning and schedules.	LANL / NMED	---	Complete September 29, 2014 (meeting held)
35.	Schedule a third update on LANL efforts – including teams.	LANL / NMED	---	Complete October 20, 2014

	Requested Information	Actionee	Status	Completion Date
36.	NMED request regarding LANL Causal Analysis associated with processing of nitrate salt-bearing waste at WCRRF – when document is Final.	LANL	Document is currently Draft 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 depitions 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

	68685 - 68685					69553 - 69553					69615 - 69615					69616 - 69616				
Date	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**CH_4 ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**CH_4 ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**CH_4 ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**CH_4 ppm**
06/21/17											227	603	9784	468	24					
06/22/17						297	1268	24932	3682	20						314	728	11127	1687	3
06/23/17																				
06/24/17																				
06/25/17																235	548	8063	1254	3
06/26/17						290	1182	24195	3564	12	203	592	9155	484	18					
06/27/17																				
06/28/17																				
06/29/17						290	1131	22864	3377	24	207	565	9782	545	26	325	728	10641	1590	3
06/30/17																				
07/01/17																				
07/02/17																				
07/03/17						295	1142	22462	3296	19	223	641	9815	502	19					
07/04/17																				
07/05/17											238	593	9754	515	31					
07/06/17						290	1090	22245	3163	14										
07/07/17																				
07/08/17																				
07/09/17																				
07/10/17						284	1154	22069	3179	16										
07/11/17																				
07/12/17																				
07/13/17						301	1185	22631	3175	10										
07/14/17																				
07/15/17																				
07/16/17																				
07/17/17						292	1135	22031	3148	13										
07/18/17																				

Shading indicates the drum has been treated and gas sampling is no longer performed.

Remediated Nitrate Salt Container Headspace Gas Analysis

	SB50069 - 69208					SB50452 - 69076					SB50522 - 69490					68430 - 68430				
Date	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	CH_4 ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	CH_4 ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	CH_4 ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	CH_4 ppm
06/21/17											709	1067	11151	2451	16					
06/22/17	843	1677	24972	2883	28						713	1137	11458	2551	21					
06/23/17											761	1082	11709	2606	20					
06/24/17											742	1132	11606	2589	22					
06/25/17											652	961	9928	2235	18					
06/26/17	890	1751	26689	3060	26						447	710	7418	1658	15					
06/27/17											750	1141	11551	2588	12	228	514	7283	1147	3
06/28/17											711	1071	11114	2595	20					
06/29/17	920	1844	27089	3194	18						729	1217	11619	2572	24					
06/30/17											728	1046	11123	2565	26					
07/01/17											723	1062	11448	2664	20					
07/02/17											738	1092	11160	2545	19					
07/03/17	928	1877	27555	3294	30						718	1133	11450	2686	24					
07/04/17											711	1046	10672	2415	23					
07/05/17											729	1101	11085	2505	29					
07/06/17	913	1934	26924	3181	30						702	1123	11097	2540	24					
07/07/17											705	1053	10763	2459	24					
07/08/17											750	1154	11520	2607	29					
07/09/17											733	1121	11515	2625	20					
07/10/17	913	1946	27538	3254	28						737	1125	11936	2765	18					
07/11/17											761	1201	11936	2717	23					
07/12/17											753	1140	11944	2775	25					
07/13/17	821	1881	26696	3173	11															
07/14/17																				
07/15/17																				
07/16/17																				
07/17/17	882	1831	26723	3110	25															
07/18/17																				

Shading indicates the drum has been treated and gas sampling is no longer performed.

Remediated Nitrate Salt Container Headspace Gas Analysis

	68507 - 68507					70503 - 68540					70503 - 68553					68567 - 68567				
Date	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**CH_4 ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**CH_4 ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**CH_4 ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**CH_4 ppm**
06/21/17																				
06/22/17																				
06/23/17																				
06/24/17																				
06/25/17																				
06/26/17																				
06/27/17						17	0	502	0	0										
06/28/17																				
06/29/17																				
06/30/17																				
07/01/17																				
07/02/17																				
07/03/17																				
07/04/17																				
07/05/17																				
07/06/17																				
07/07/17																				
07/08/17																				
07/09/17																				
07/10/17																				
07/11/17																32	68	1779	193	0
07/12/17	108	134	2437	159	0															
07/13/17																				
07/14/17																				
07/15/17																				
07/16/17																				
07/17/17																				
07/18/17						19	0	588	0	0										

Shading indicates the drum has been treated and gas sampling is no longer performed.

Remediated Nitrate Salt Container Headspace Gas Analysis

	68624 - 68624					68631 - 68631					68638 - 68638					69013 - 69013				
Date	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**CH_4 ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**CH_4 ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**CH_4 ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**CH_4 ppm**
06/21/17																				
06/22/17																				
06/23/17																				
06/24/17																				
06/25/17						21	41	819	96	0										
06/26/17																				
06/27/17																45	83	1608	71	0
06/28/17																				
06/29/17																				
06/30/17																				
07/01/17																				
07/02/17																				
07/03/17																				
07/04/17																				
07/05/17																				
07/06/17																				
07/07/17																				
07/08/17																				
07/09/17																				
07/10/17																				
07/11/17																				
07/12/17																				
07/13/17	33	115	2192	314	0															
07/14/17																				
07/15/17																				
07/16/17																				
07/17/17																				
07/18/17																				

Shading indicates the drum has been treated and gas sampling is no longer performed.

Remediated Nitrate Salt Container Headspace Gas Analysis

	69015 - 69015					69036 - 69036					69298 - 69298					69445 - 69445				
Date	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**CH_4 ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**CH_4 ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**CH_4 ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**CH_4 ppm**
06/21/17																				
06/22/17																				
06/23/17																				
06/24/17																				
06/25/17																				
06/26/17																				
06/27/17																				
06/28/17																				
06/29/17																				
06/30/17																				
07/01/17																				
07/02/17																				
07/03/17																				
07/04/17																				
07/05/17						95	0	1457	499	0										
07/06/17																				
07/07/17																				
07/08/17																				
07/09/17																				
07/10/17																				
07/11/17																				
07/12/17																				
07/13/17	83	104	2582	161	0															
07/14/17																				
07/15/17																				
07/16/17																				
07/17/17																				
07/18/17											693	1223	13157	1924	34					

Shading indicates the drum has been treated and gas sampling is no longer performed.

Remediated Nitrate Salt Container Headspace Gas Analysis

	69519 - 69519					69520 - 69520					69548 - 69548					69559 - 69559				
Date	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**CH_4 ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**CH_4 ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**CH_4 ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**CH_4 ppm**
06/21/17						171	502	7443	2606	0										
06/22/17																				
06/23/17																				
06/24/17																				
06/25/17																				
06/26/17																				
06/27/17																				
06/28/17																				
06/29/17																				
06/30/17																				
07/01/17																				
07/02/17																				
07/03/17																				
07/04/17																				
07/05/17																247	1129	14690	4869	11
07/06/17																				
07/07/17											16	0	1944	200	0					
07/08/17																				
07/09/17																				
07/10/17	339	931	16127	4889	11															
07/11/17																				
07/12/17																				
07/13/17																				
07/14/17																				
07/15/17																				
07/16/17																				
07/17/17																				
07/18/17																				

Shading indicates the drum has been treated and gas sampling is no longer performed.

Remediated Nitrate Salt Container Headspace Gas Analysis

	69568 - 69568					69598 - 69598					69604 - 69604					69618 - 69618				
Date	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**CH_4 ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**CH_4 ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**CH_4 ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**CH_4 ppm**
06/21/17																				
06/22/17																				
06/23/17																				
06/24/17																				
06/25/17																				
06/26/17																				
06/27/17																				
06/28/17	102	437	1721	826	0															
06/29/17																				
06/30/17																				
07/01/17																				
07/02/17																				
07/03/17																				
07/04/17																				
07/05/17	130	499	1939	979	0															
07/06/17																				
07/07/17											318	764	14531	5257	14					
07/08/17																				
07/09/17	124	461	2111	975	0															
07/10/17																				
07/11/17						39	0	1702	103	0										
07/12/17																				
07/13/17																				
07/14/17																				
07/15/17																				
07/16/17																				
07/17/17																				
07/18/17																				

Shading indicates the drum has been treated and gas sampling is no longer performed.

Remediated Nitrate Salt Container Headspace Gas Analysis

	69620 - 69620					69630 - 69630					69633 - 69633					69634 - 69634				
Date	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**CH_4 ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**CH_4 ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**CH_4 ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**CH_4 ppm**
06/21/17	458	1273	20916	3900	23															
06/22/17																				
06/23/17																				
06/24/17																				
06/25/17																				
06/26/17																				
06/27/17																				
06/28/17																				
06/29/17																				
06/30/17																				
07/01/17																				
07/02/17																				
07/03/17																				
07/04/17																				
07/05/17																				
07/06/17																				
07/07/17																				
07/08/17																				
07/09/17																				
07/10/17																				
07/11/17																100	66	4339	468	0
07/12/17						488	1345	24812	2471	13										
07/13/17											494	1109	18243	2415	22					
07/14/17																				
07/15/17																				
07/16/17																				
07/17/17																123	106	5120	600	0
07/18/17																109	88	4439	490	0

Shading indicates the drum has been treated and gas sampling is no longer performed.

Remediated Nitrate Salt Container Headspace Gas Analysis

	69635 - 69635					69636 - 69636					69637 - 69637					69638 - 69638				
Date	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**CH_4 ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**CH_4 ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**CH_4 ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**CH_4 ppm**
06/21/17	194	535	7086	519	8															
06/22/17																				
06/23/17																				
06/24/17																				
06/25/17																				
06/26/17																				
06/27/17																				
06/28/17																				
06/29/17																				
06/30/17																				
07/01/17																				
07/02/17																				
07/03/17																				
07/04/17																				
07/05/17	203	432	4957	375	8															
07/06/17																				
07/07/17																				
07/08/17																				
07/09/17																				
07/10/17																				
07/11/17																				
07/12/17																				
07/13/17											228	892	10042	2870	12	491	1218	15347	2434	11
07/14/17																				
07/15/17																				
07/16/17																				
07/17/17																				
07/18/17																				

Shading indicates the drum has been treated and gas sampling is no longer performed.

Remediated Nitrate Salt Container Headspace Gas Analysis

	69639 - 69639					69641 - 69641					69642 - 69642					69644 - 69644				
Date	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**CH_4 ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**CH_4 ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**CH_4 ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**CH_4 ppm**
06/21/17											95	452	7034	781	0					
06/22/17																				
06/23/17																				
06/24/17																				
06/25/17											91	415	6415	753	0					
06/26/17																				
06/27/17											82	425	5895	690	0					
06/28/17											76	342	5345	637	0					
06/29/17																				
06/30/17																				
07/01/17																				
07/02/17																				
07/03/17																				
07/04/17																				
07/05/17																				
07/06/17																				
07/07/17																				
07/08/17																				
07/09/17																				
07/10/17																				
07/11/17											83	161	3139	375	0					
07/12/17																				
07/13/17	187	526	10627	724	0											274	646	11029	2280	11
07/14/17																				
07/15/17																				
07/16/17																				
07/17/17																				
07/18/17																				

Shading indicates the drum has been treated and gas sampling is no longer performed.

Remediated Nitrate Salt Container Headspace Gas Analysis

	69645 - 69645					93605 - 93605					94068 - 94068					94227 - 94227				
Date	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**CH_4 ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**CH_4 ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**CH_4 ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**CH_4 ppm**
06/21/17																				
06/22/17																				
06/23/17																				
06/24/17																				
06/25/17																				
06/26/17																				
06/27/17																				
06/28/17																37	0	907	793	0
06/29/17																				
06/30/17																				
07/01/17																				
07/02/17																				
07/03/17																				
07/04/17																				
07/05/17																37	0	925	713	0
07/06/17																				
07/07/17																				
07/08/17																				
07/09/17																40	0	942	678	0
07/10/17	253	962	16253	2530	9	373	1307	18430	5816	17	543	1907	30599	6993	32					
07/11/17																				
07/12/17																				
07/13/17																				
07/14/17																				
07/15/17																				
07/16/17																				
07/17/17																32	0	378	507	0
07/18/17																32	0	377	467	0

Shading indicates the drum has been treated and gas sampling is no longer performed.

Remediated Nitrate Salt Container Headspace Gas Analysis

	SB02198 - 68408					SB02203 - 92669					SB50073 - 69079					SB50418 - 69595				
Date	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	CH_4 ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	CH_4 ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	CH_4 ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	CH_4 ppm
06/21/17	107	380	4919	581	0						688	1197	13201	2807	23					
06/22/17																				
06/23/17																				
06/24/17																				
06/25/17	95	257	4349	447	0															
06/26/17																				
06/27/17	111	353	4504	502	0															
06/28/17	110	352	4381	485	0															
06/29/17																				
06/30/17																				
07/01/17																				
07/02/17																				
07/03/17																				
07/04/17																				
07/05/17																				
07/06/17																				
07/07/17																195	778	12179	1422	13
07/08/17																				
07/09/17																				
07/10/17																				
07/11/17																				
07/12/17																				
07/13/17																				
07/14/17																				
07/15/17																				
07/16/17																				
07/17/17											698	1273	13393	2915	21					
07/18/17	92	174	2372	293	0						639	1141	12752	2779	24					

Shading indicates the drum has been treated and gas sampling is no longer performed.

Remediated Nitrate Salt Container Headspace Gas Analysis

	SB50431 - 69280					SB50442 - 68648					SB50443 - 69183					SB50448 - 69491				
Date	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	CH_4 ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	CH_4 ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	CH_4 ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	CH_4 ppm
06/21/17																				
06/22/17																				
06/23/17																				
06/24/17																				
06/25/17																				
06/26/17																				
06/27/17																				
06/28/17																				
06/29/17																				
06/30/17																				
07/01/17																				
07/02/17																				
07/03/17																				
07/04/17																				
07/05/17																				
07/06/17																				
07/07/17																799	1596	23651	3950	27
07/08/17																				
07/09/17																				
07/10/17																				
07/11/17																				
07/12/17						263	676	9215	1941	18	638	1589	22053	4478	26					
07/13/17																				
07/14/17																				
07/15/17																				
07/16/17																				
07/17/17						303	729	11025	2331	16										
07/18/17						311	747	11076	2303	15										

Shading indicates the drum has been treated and gas sampling is no longer performed.

Remediated Nitrate Salt Container Headspace Gas Analysis

	SB50451 - 69361					SB50529 - 68665					SB50559 - 92459					SB50559 - 92472				
Date	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	CH_4 ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	CH_4 ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	CH_4 ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	CH_4 ppm
06/21/17																				
06/22/17																				
06/23/17																				
06/24/17																				
06/25/17																				
06/26/17																				
06/27/17																				
06/28/17																				
06/29/17																				
06/30/17																				
07/01/17																				
07/02/17																				
07/03/17																				
07/04/17																				
07/05/17	210	574	8361	1024	5															
07/06/17																				
07/07/17						214	660	9611	1229	17										
07/08/17																				
07/09/17																				
07/10/17																				
07/11/17											49	89	2836	112	0	68	160	3728	313	0
07/12/17																				
07/13/17																				
07/14/17																				
07/15/17																				
07/16/17																				
07/17/17																				
07/18/17																				

Shading indicates the drum has been treated and gas sampling is no longer performed.

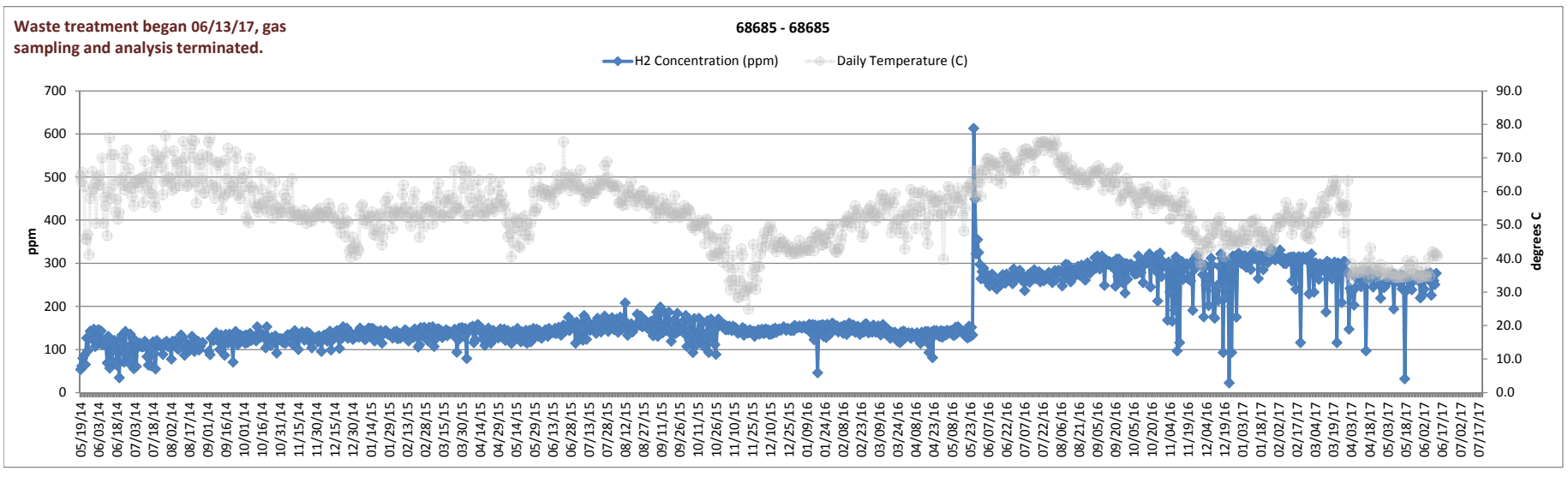
Remediated Nitrate Salt Container Headspace Gas Analysis

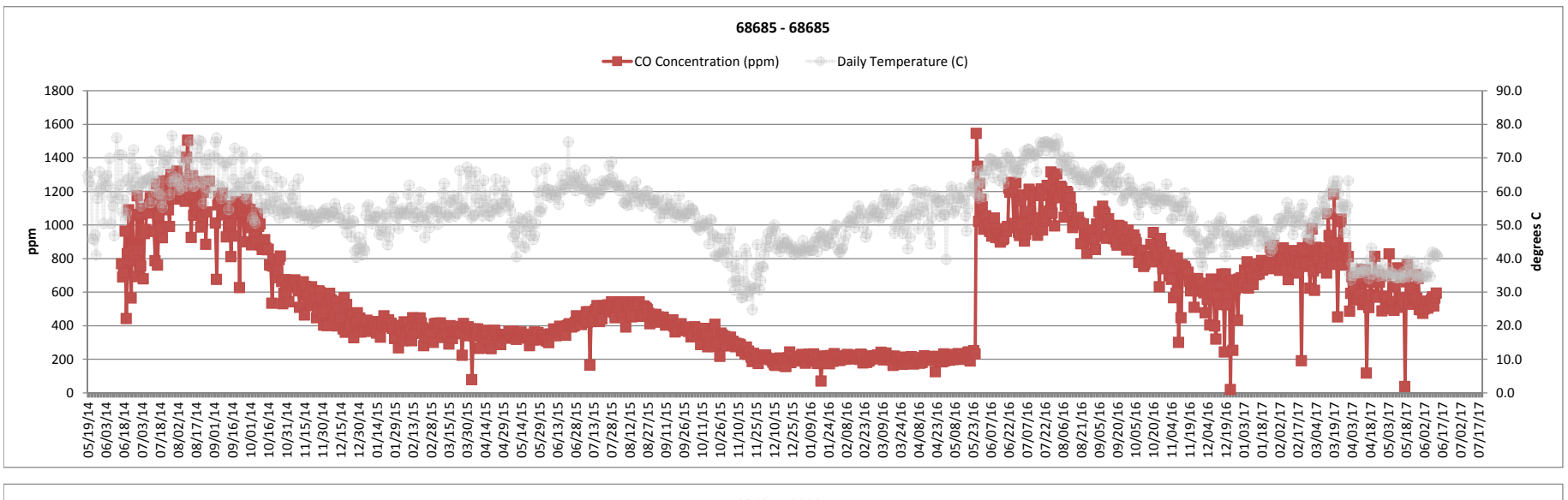
	87823					87825					87826					87827				
Date	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	CH_4 ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	CH_4 ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	CH_4 ppm	H_2 ppm	CO ppm	CO_2 ppm	N2O ppm	CH4 ppm
06/21/17																				
06/22/17																				
06/23/17																				
06/24/17																				
06/25/17																				
06/26/17																				
06/27/17																				
06/28/17																				
06/29/17																				
06/30/17																				
07/01/17																				
07/02/17																				
07/03/17																				
07/04/17																				
07/05/17																				
07/06/17	176	159	4394	825	0	182	260	5981	1201	0	195	387	7748	1277	0	49	103	2982	337	0
07/07/17																				
07/08/17																				
07/09/17																				
07/10/17																				
07/11/17																				
07/12/17																				
07/13/17																				
07/14/17																				
07/15/17																				
07/16/17																				
07/17/17																				
07/18/17																				

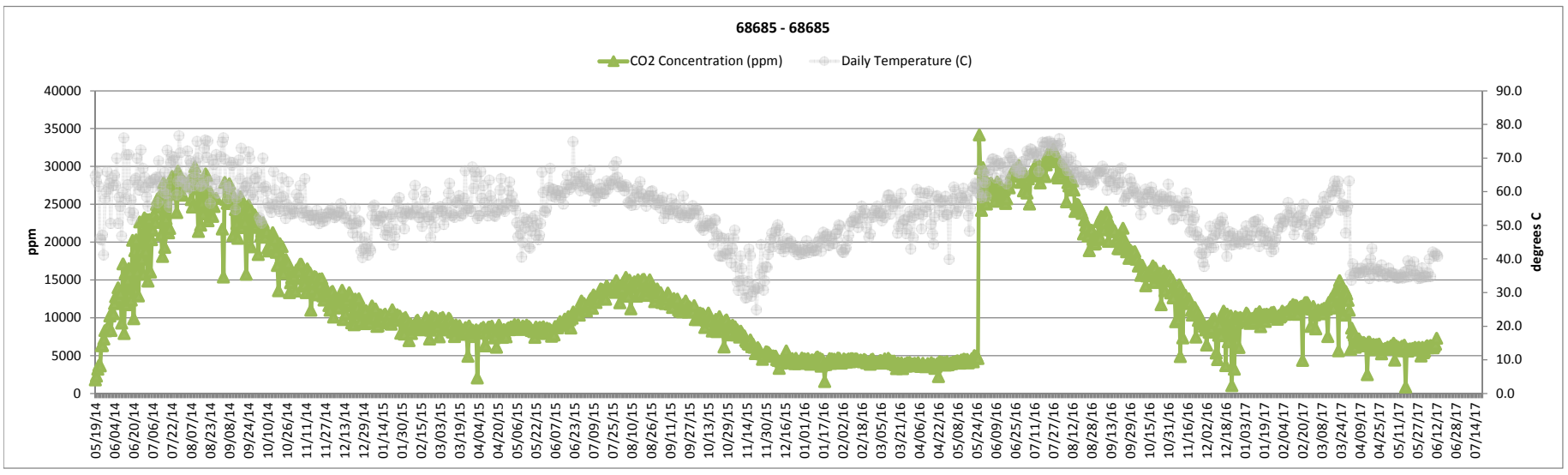
Shading indicates the drum has been treated and gas sampling is no longer performed.

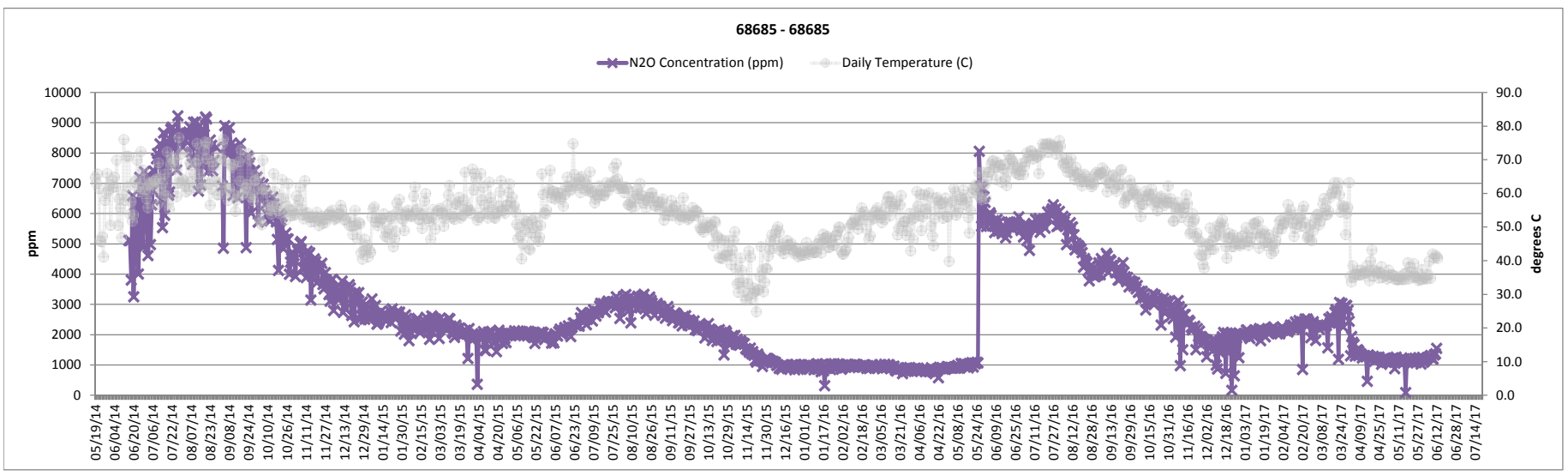
Remediated Nitrate Salt Container Headspace Gas and Temperature

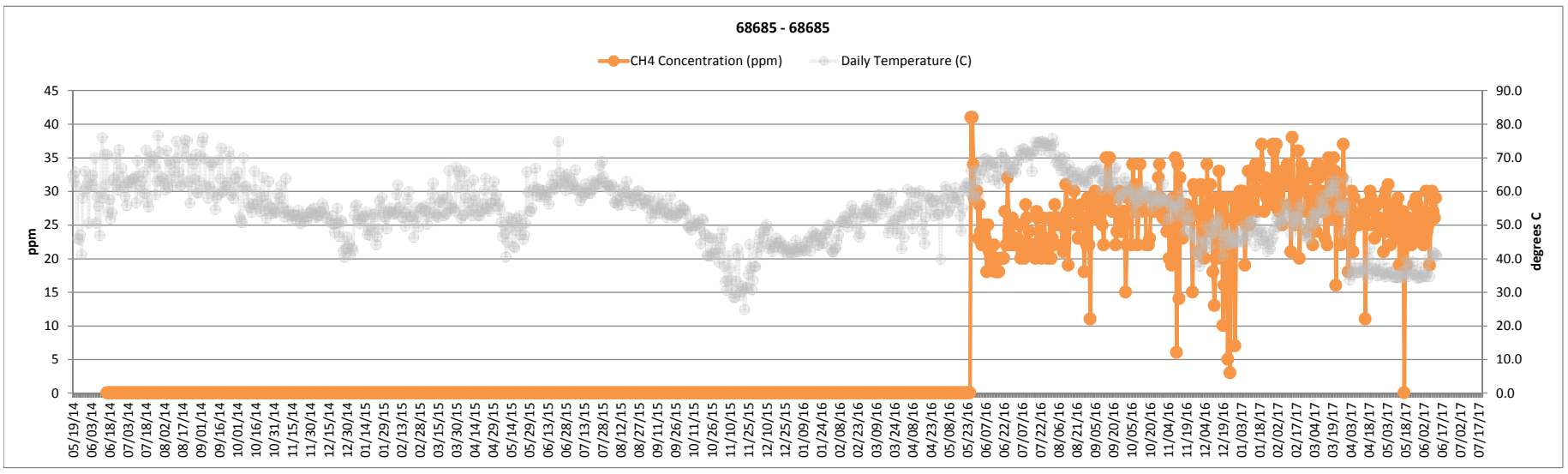
Waste treatment began 06/13/17, gas sampling and analysis terminated.



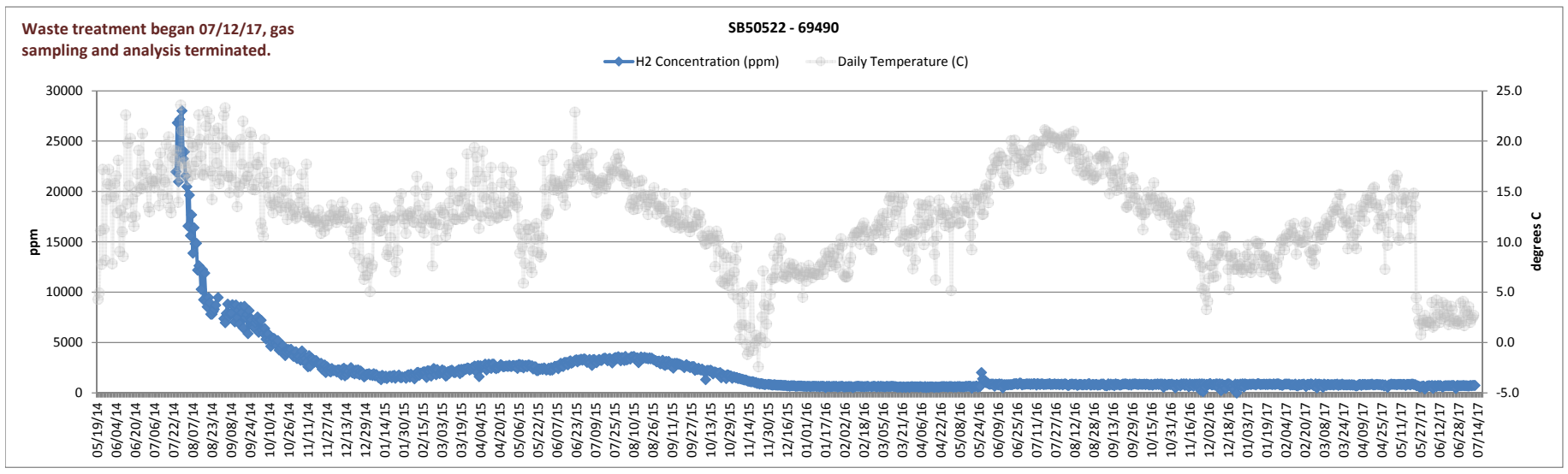


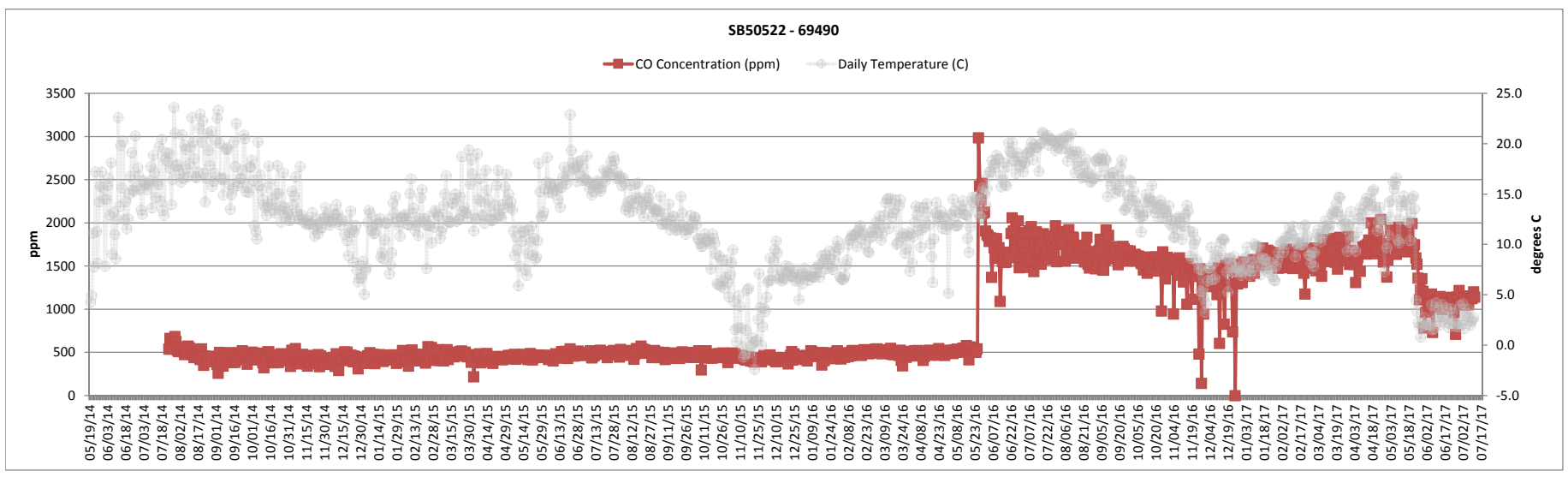


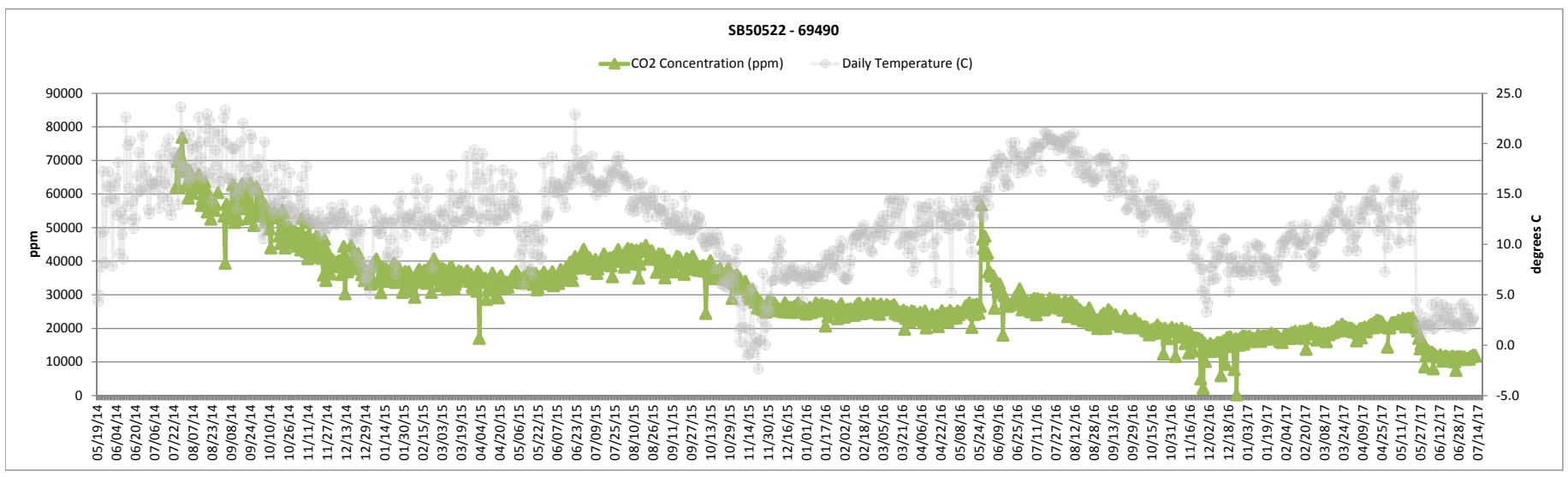


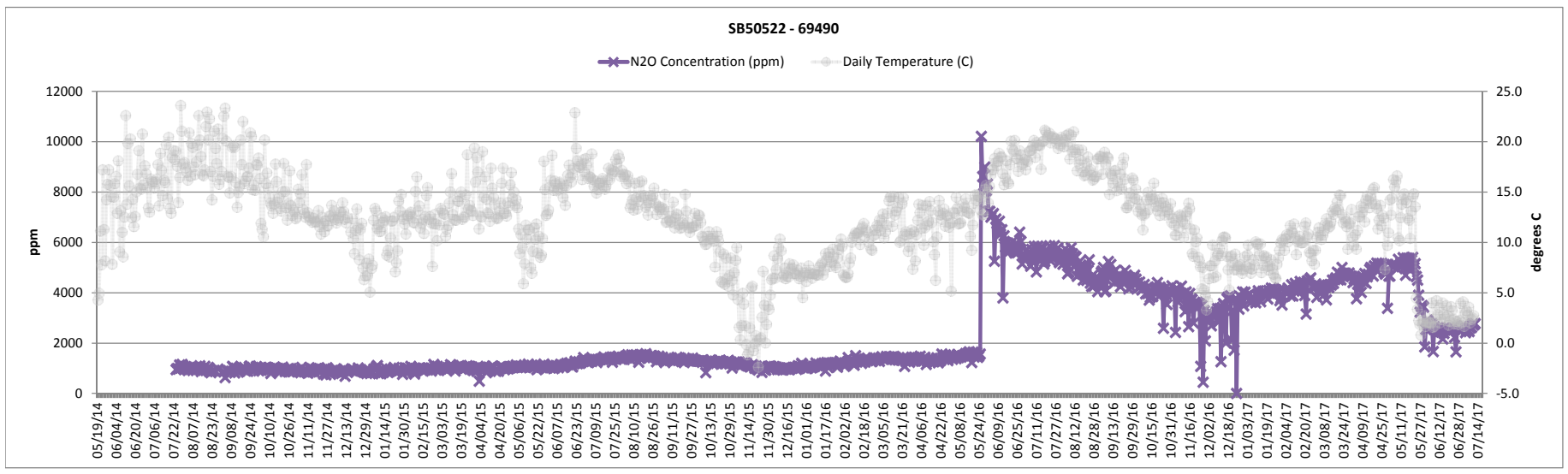


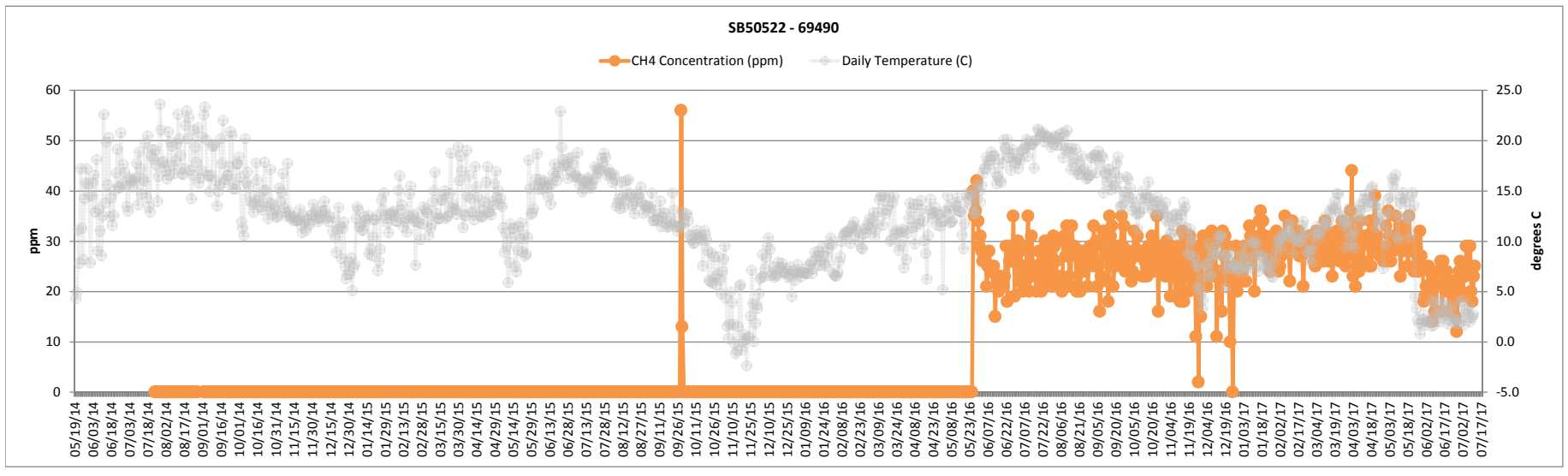
Remediated Nitrate Salt Container Headspace Gas and Temperature



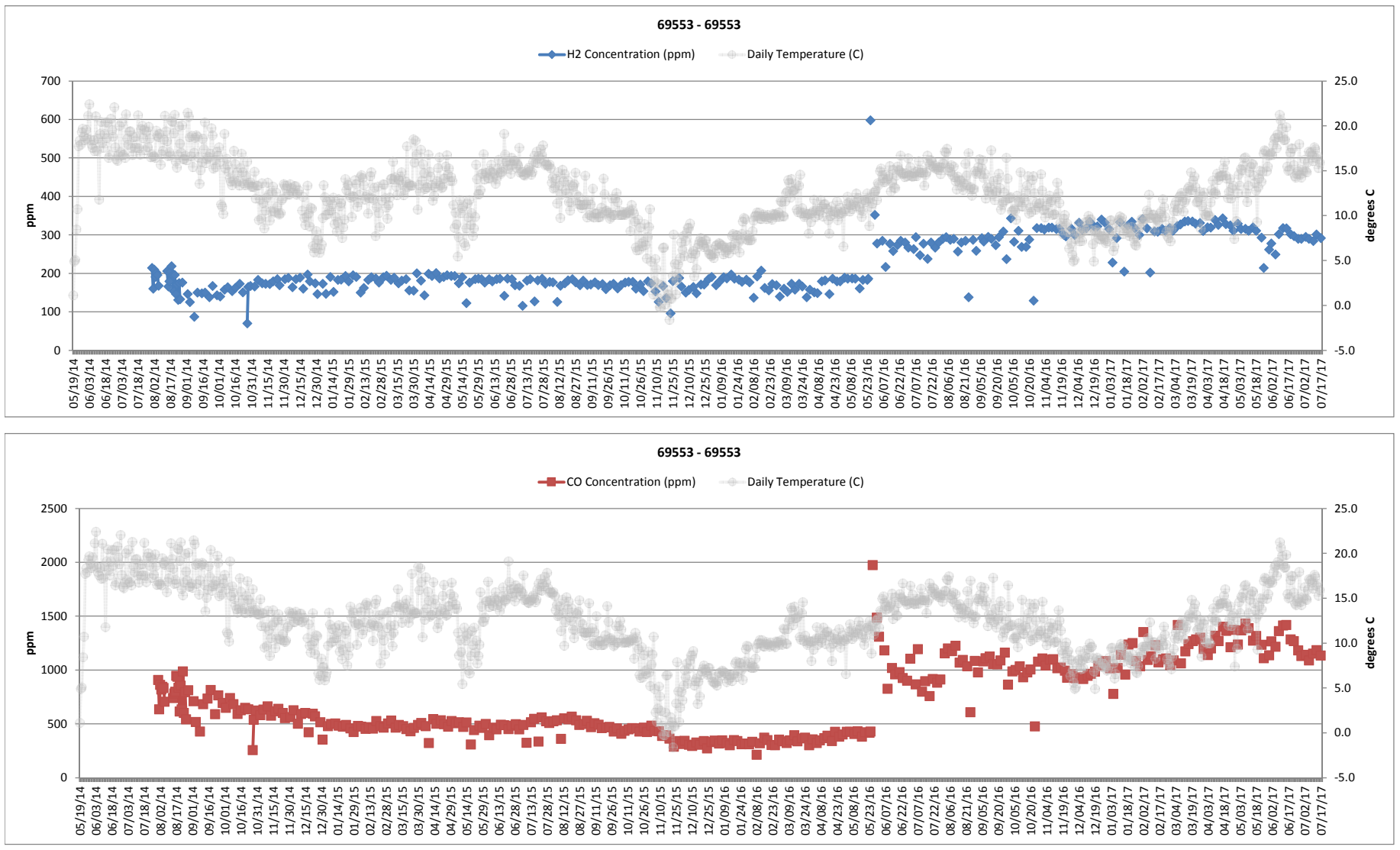


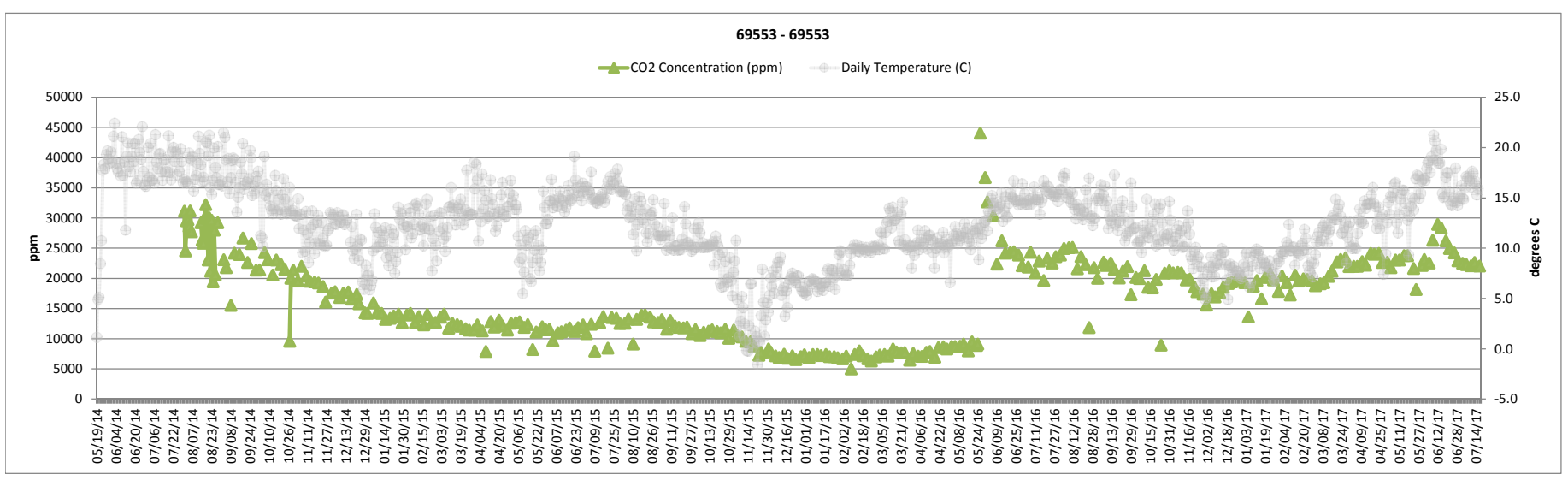


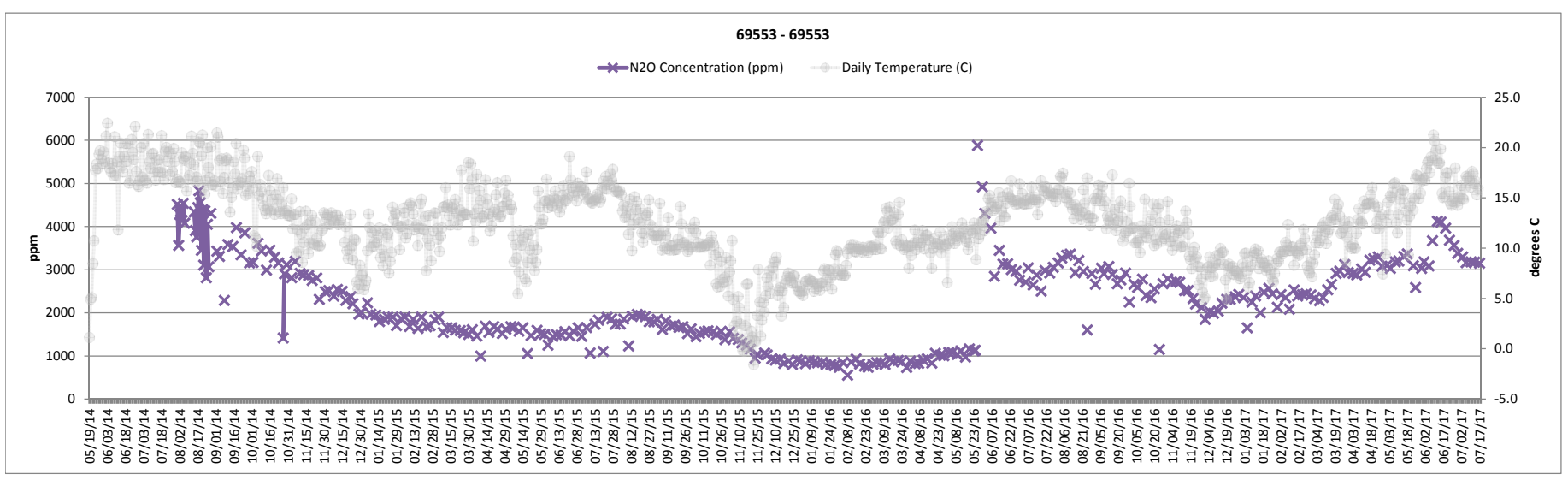


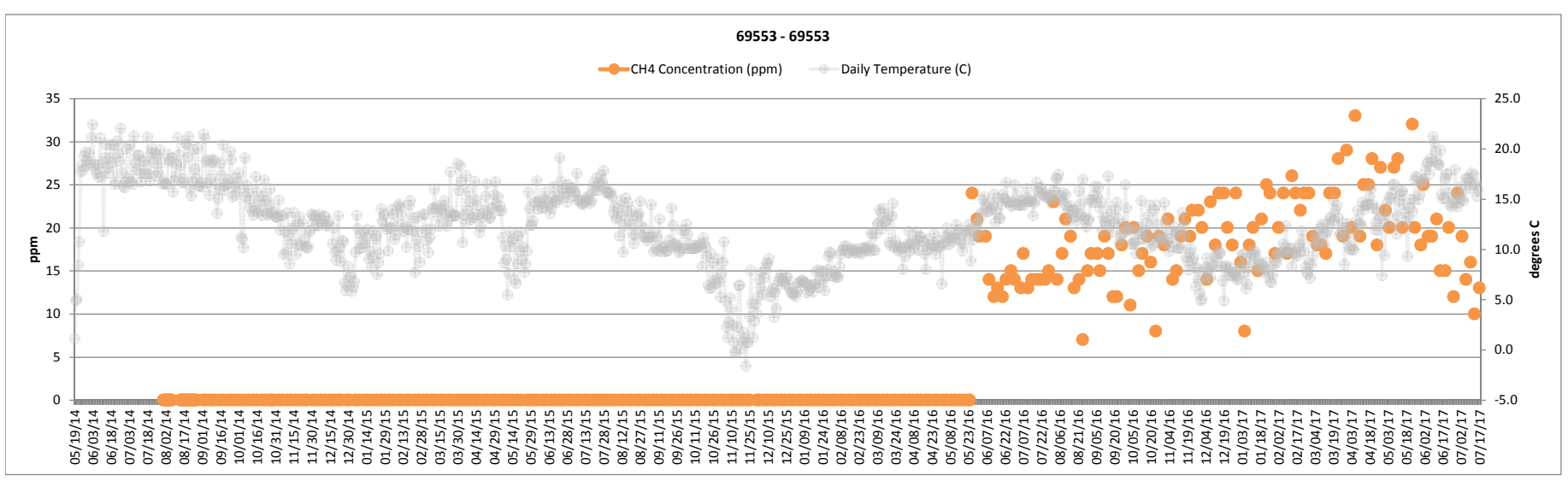


Remediated Nitrate Salt Container Headspace Gas and Temperature



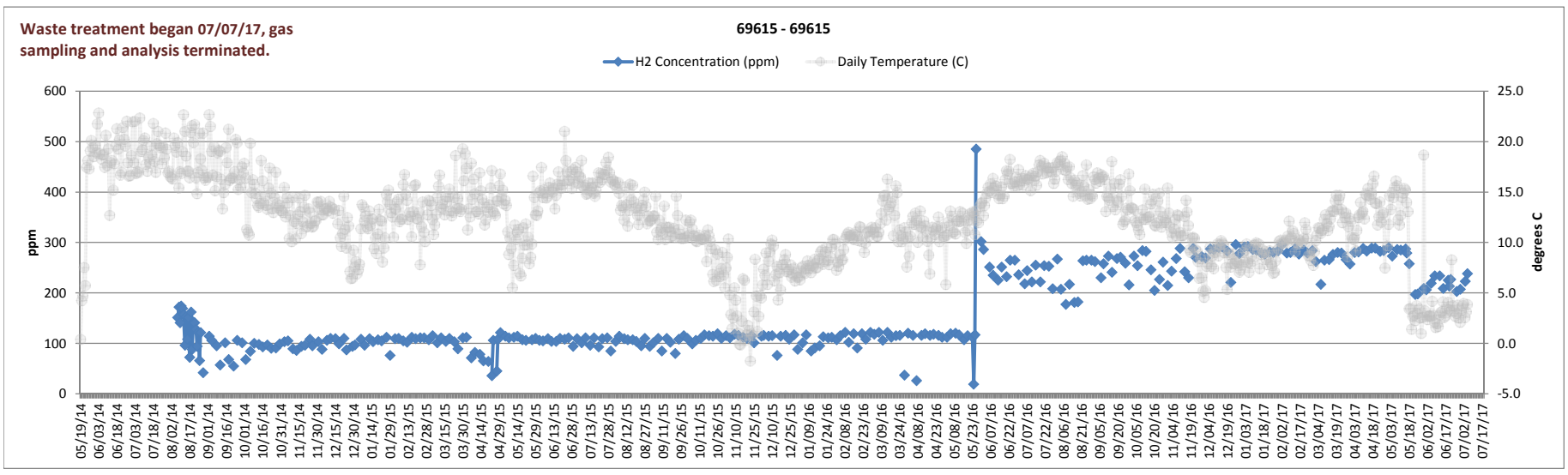


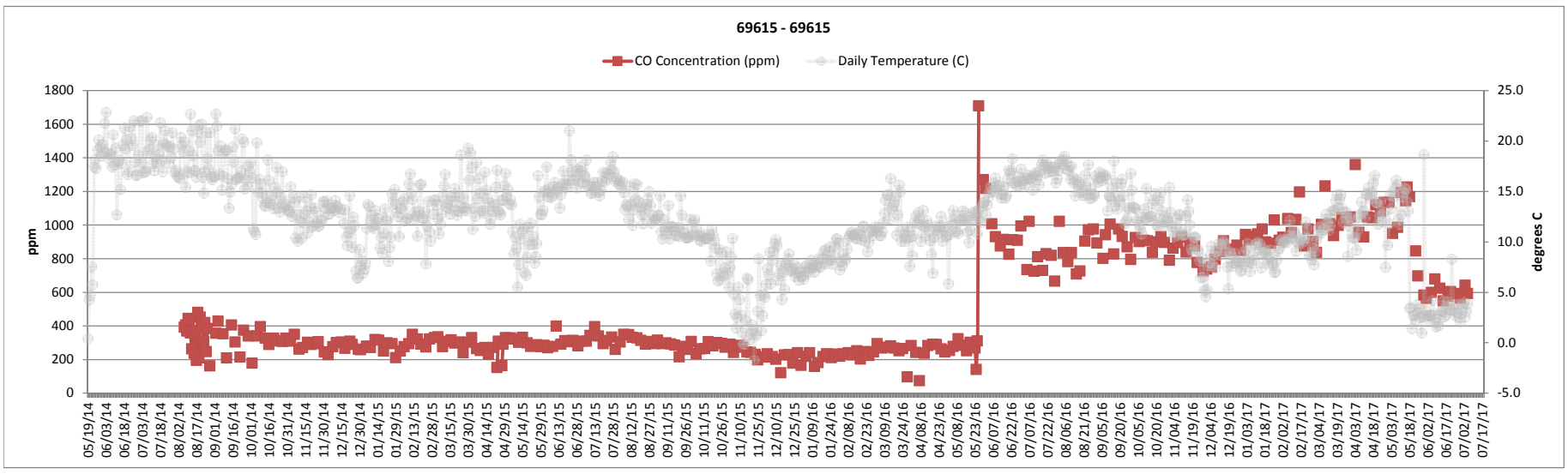


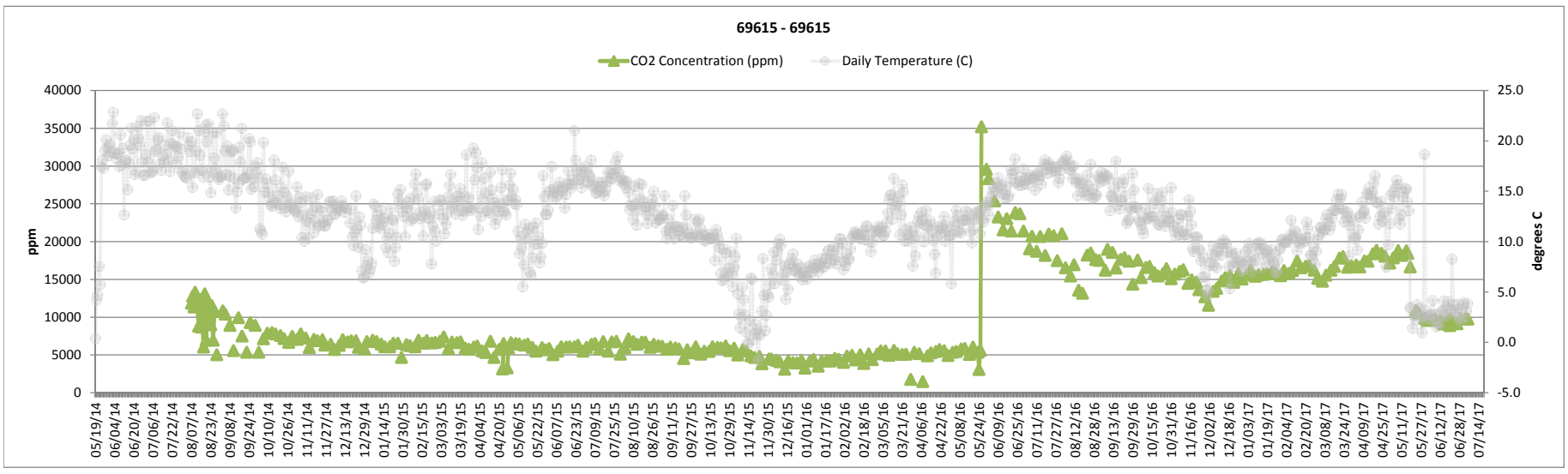


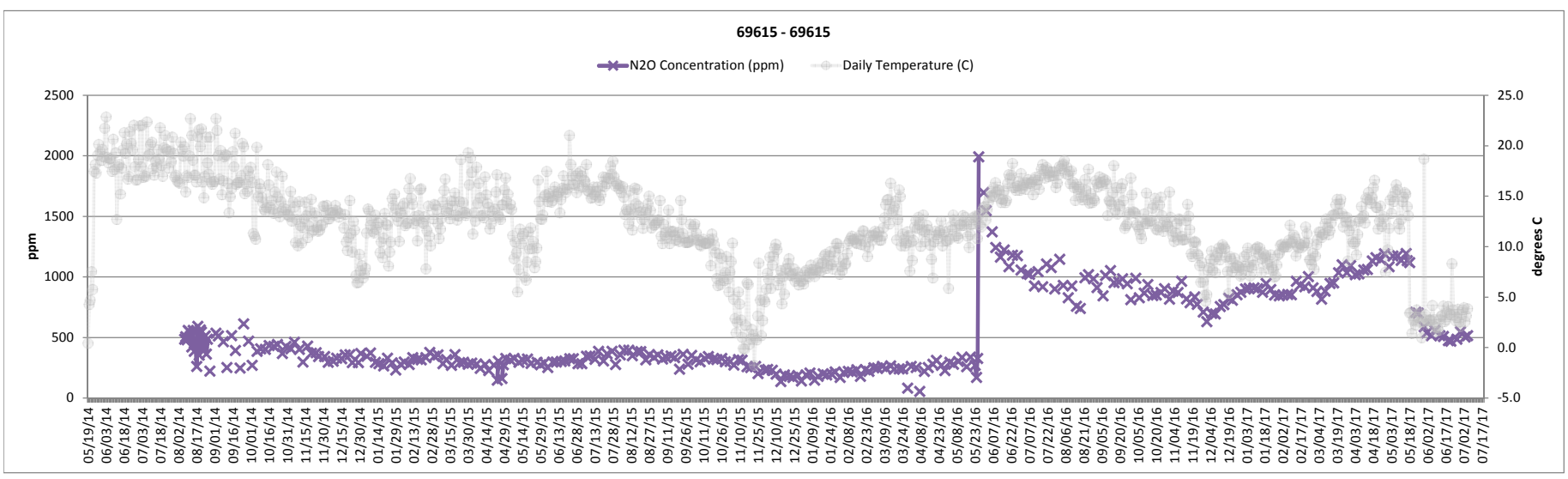
Remediated Nitrate Salt Container Headspace Gas and Temperature

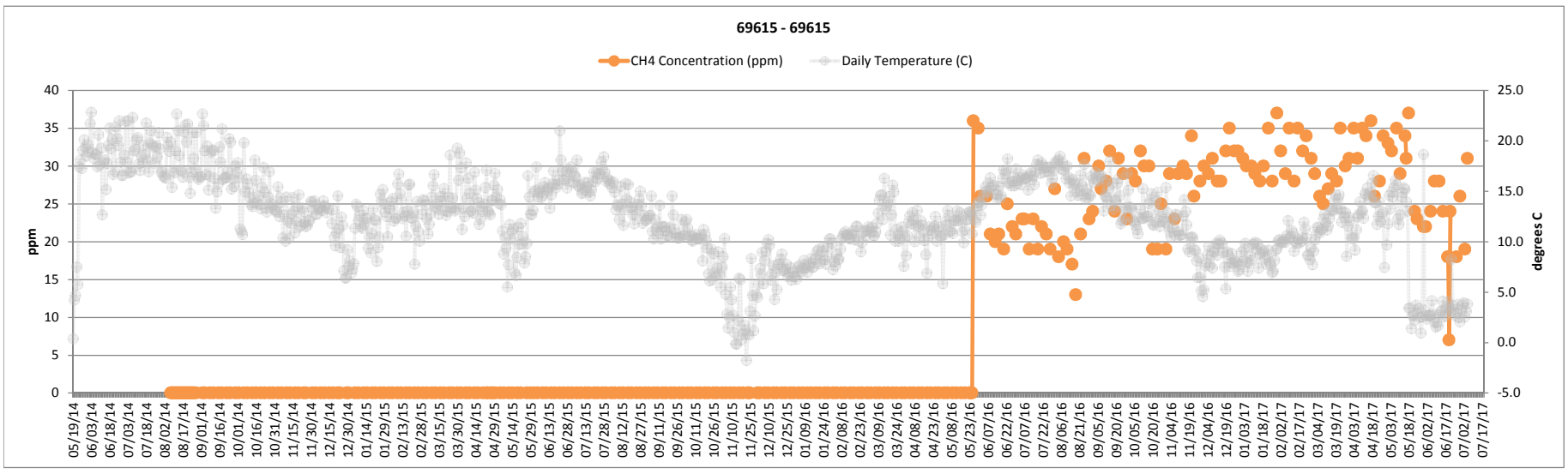
Waste treatment began 07/07/17, gas sampling and analysis terminated.





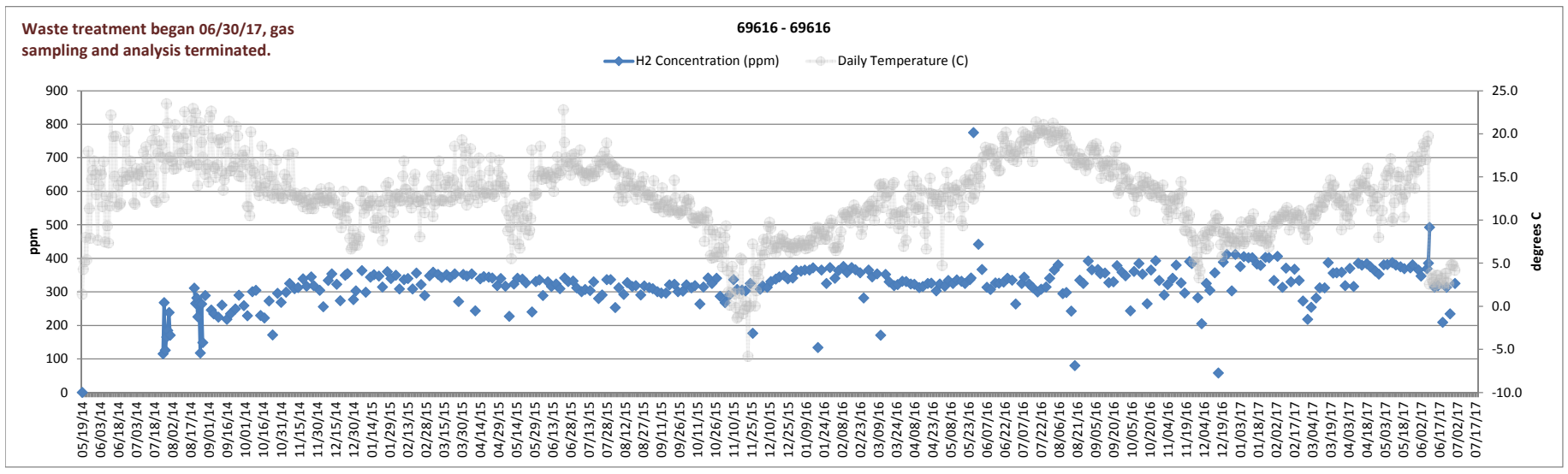


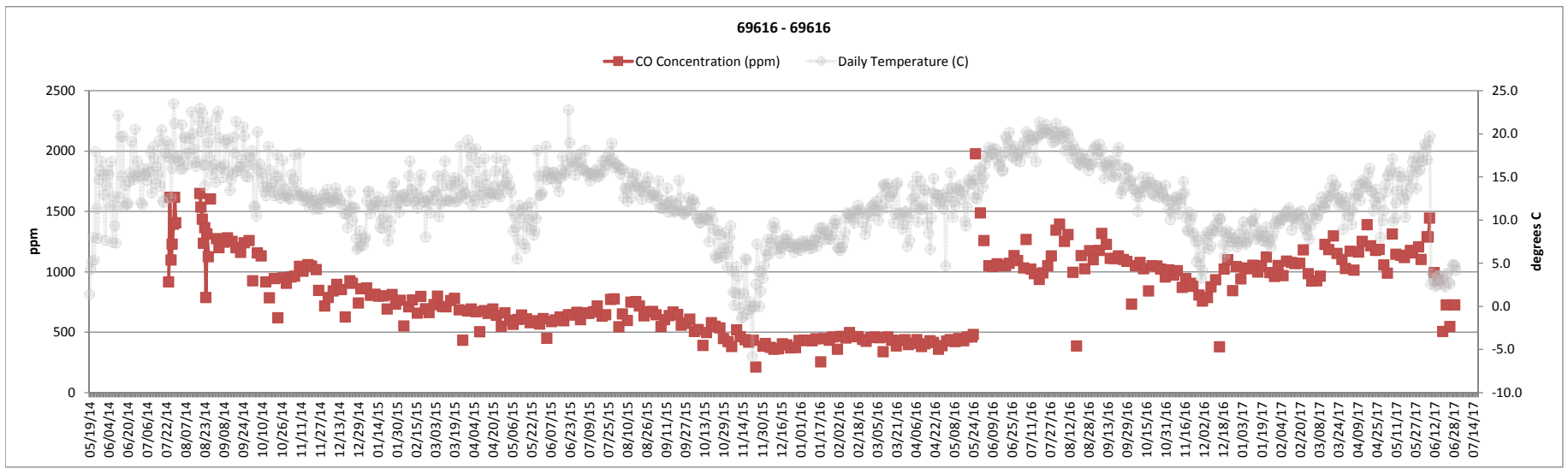


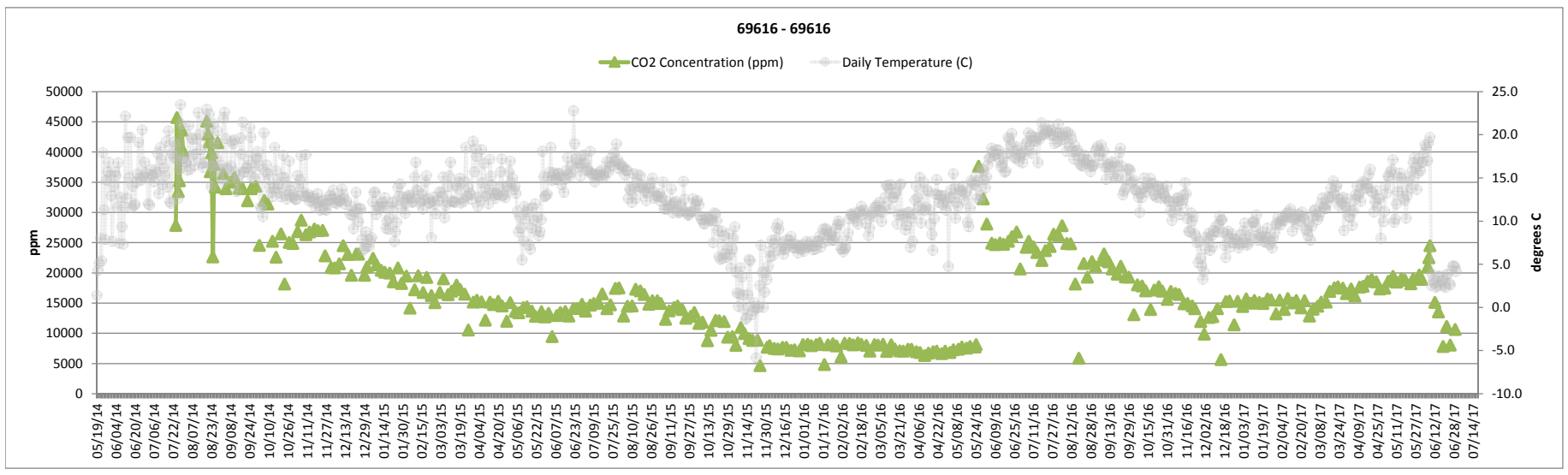


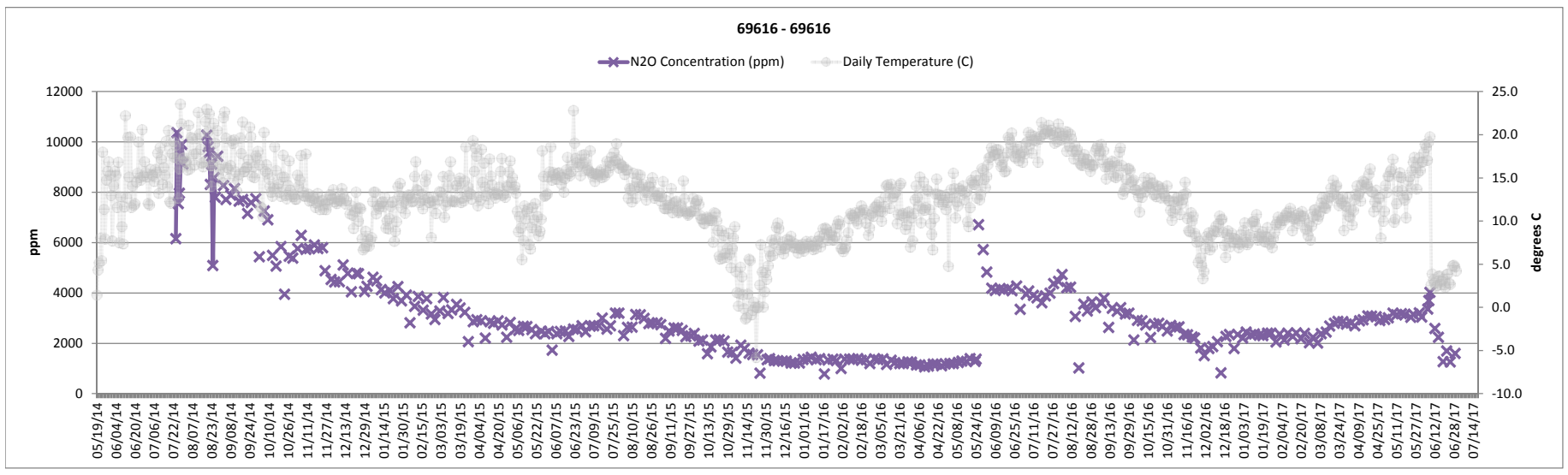
Remediated Nitrate Salt Container Headspace Gas and Temperature

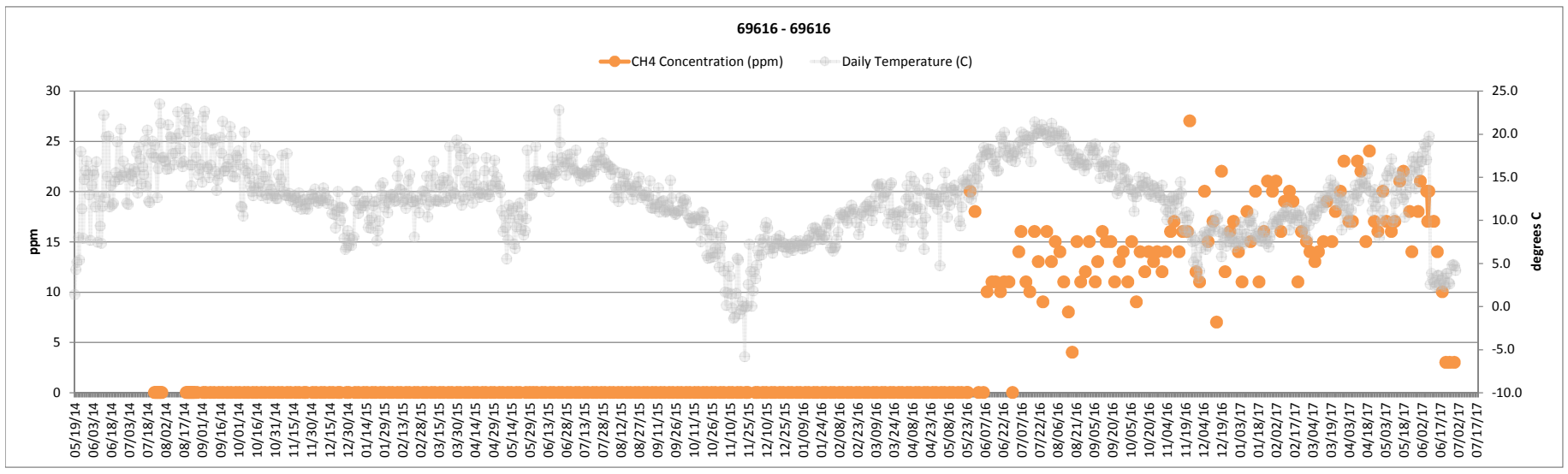
Waste treatment began 06/30/17, gas sampling and analysis terminated.



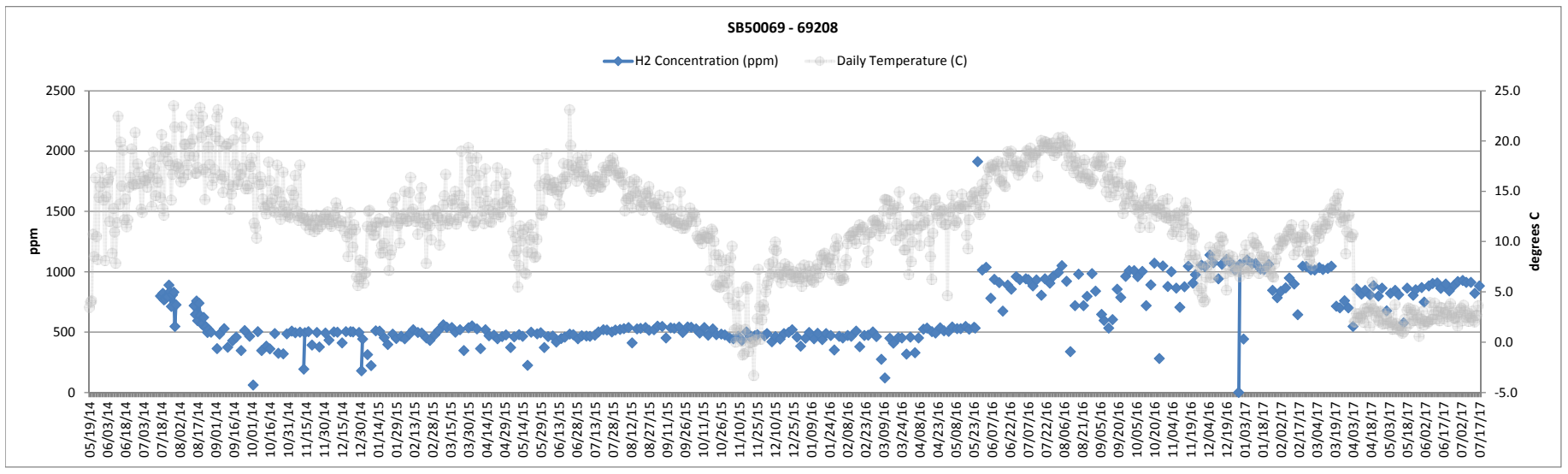


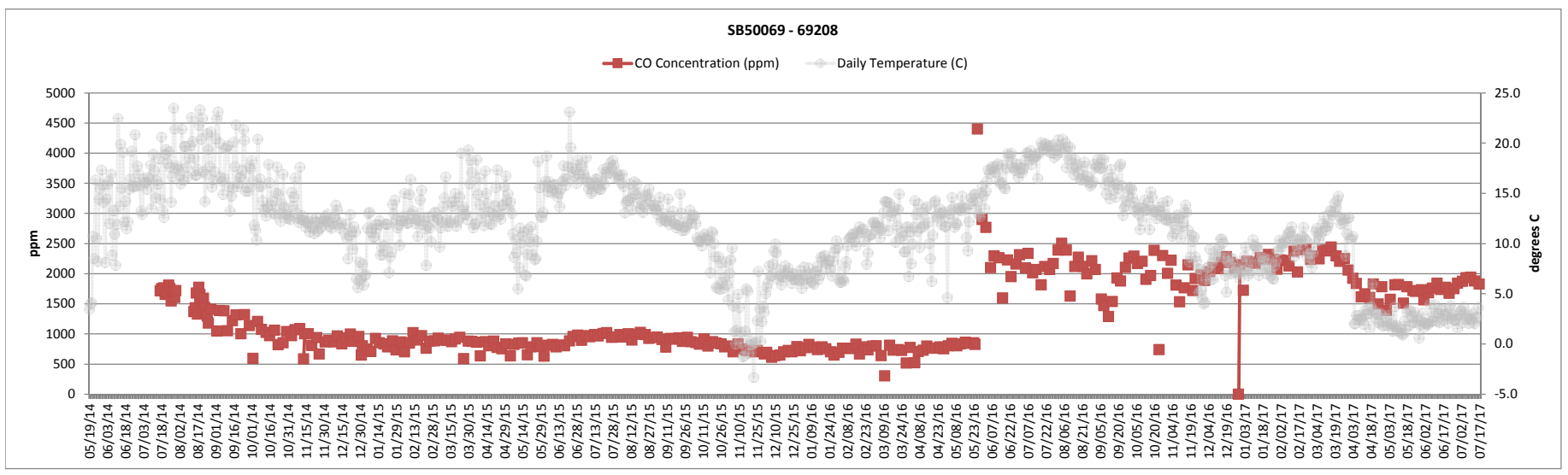


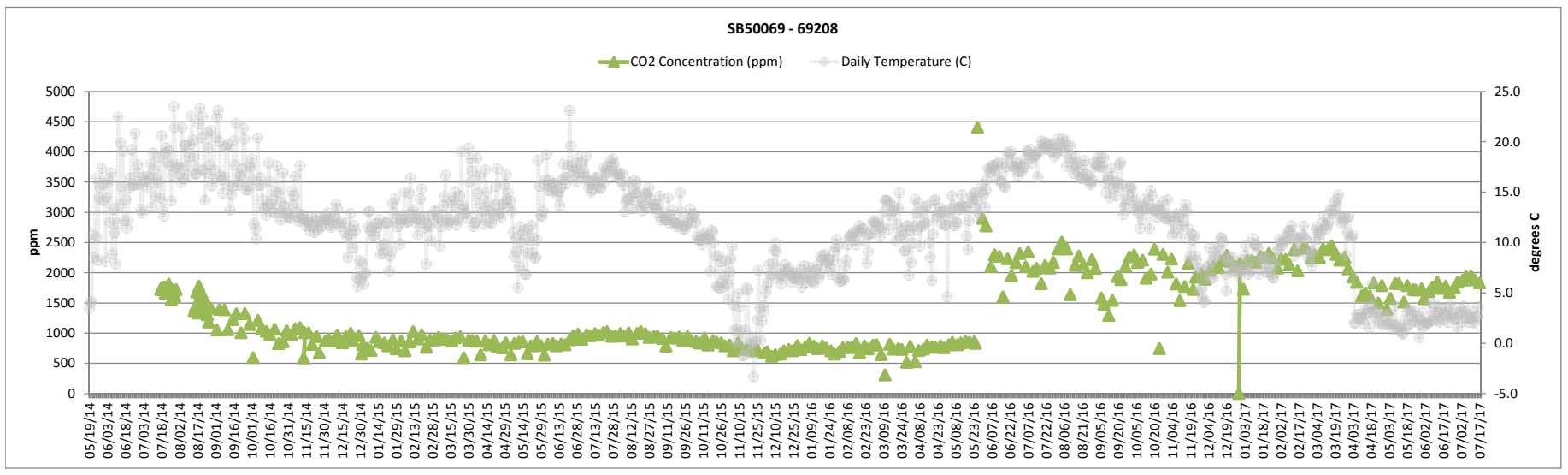


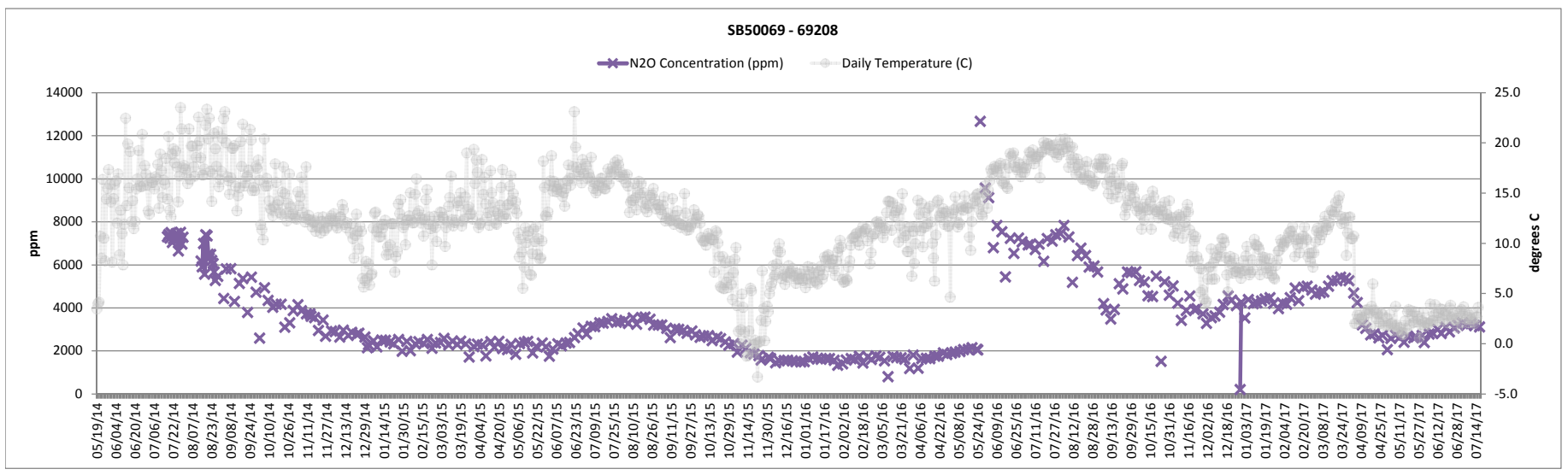


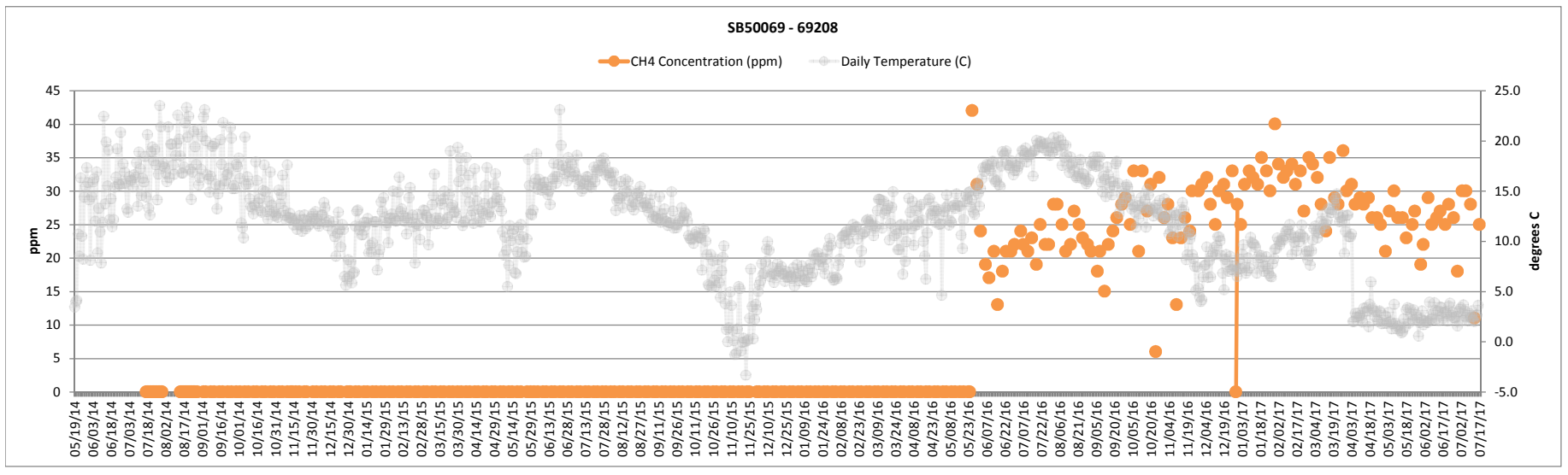
Remediated Nitrate Salt Container Headspace Gas and Temperature





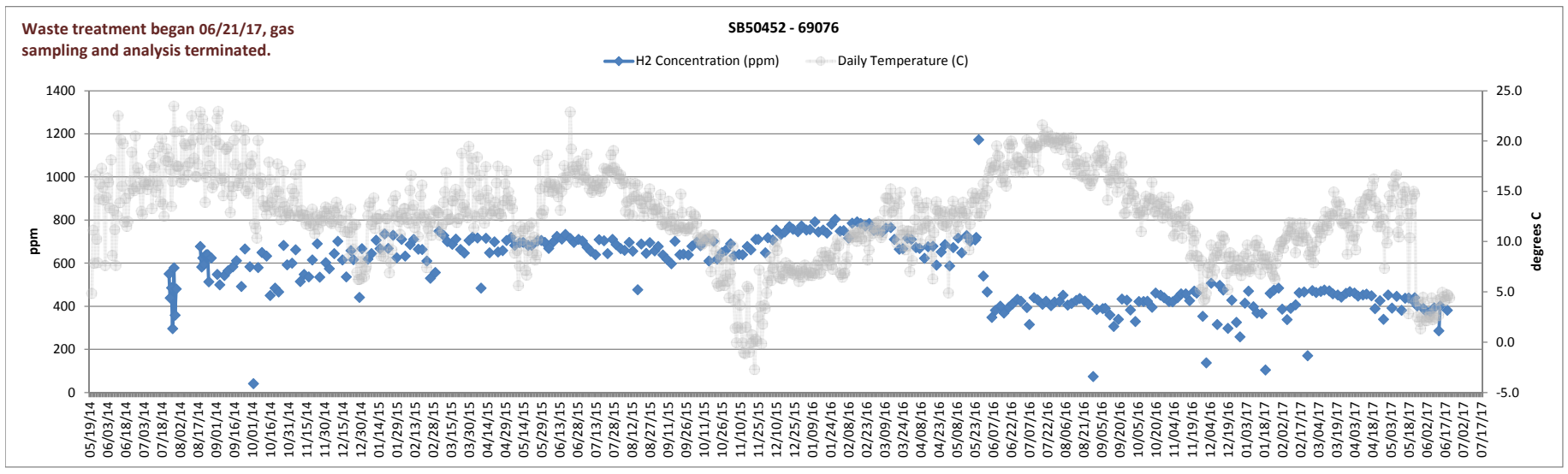


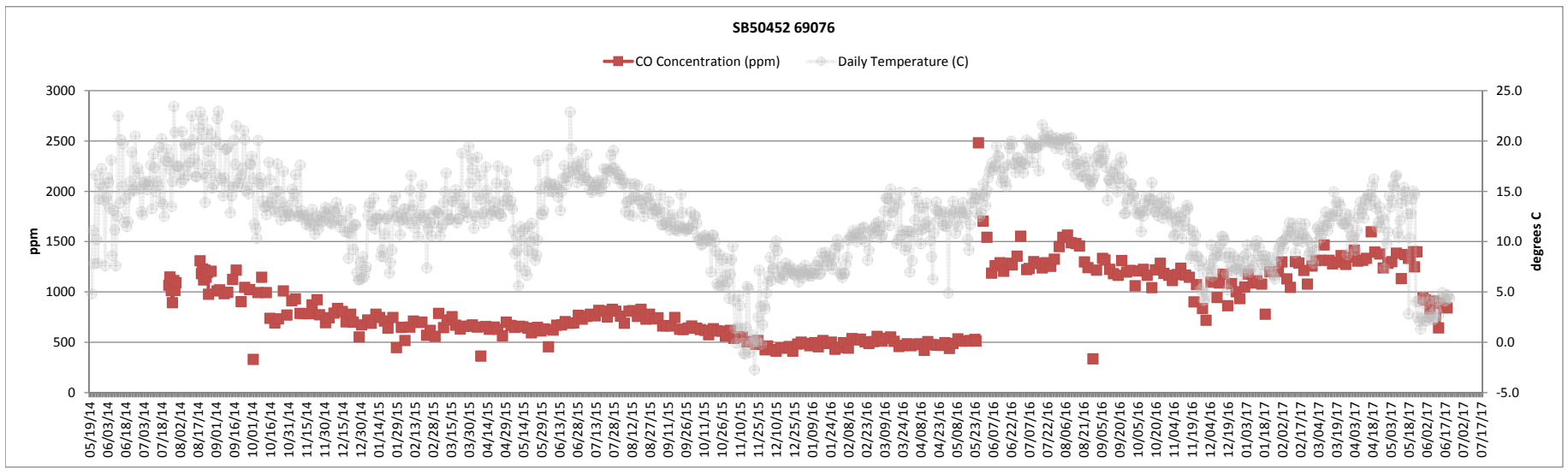


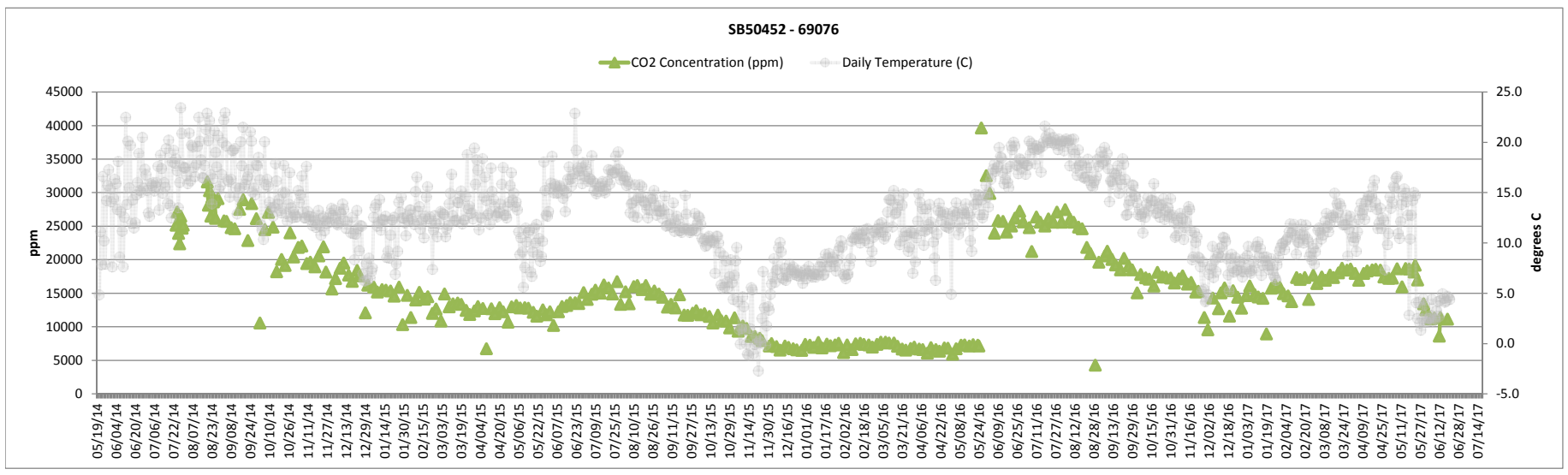


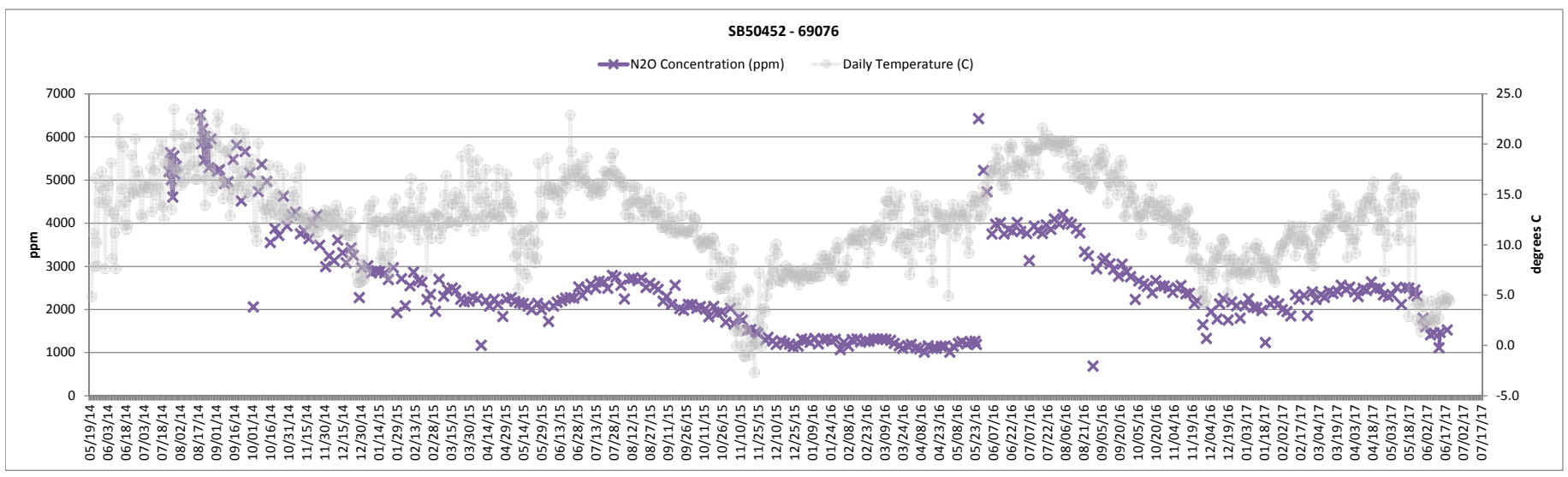
Remediated Nitrate Salt Container Headspace Gas and Temperature

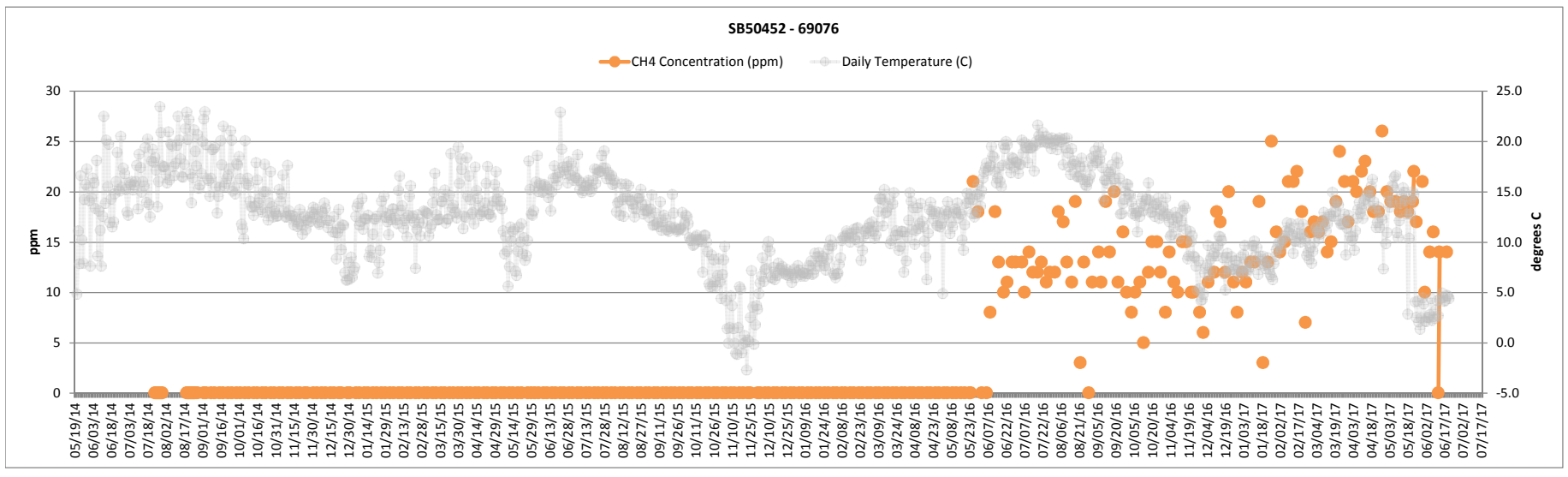
Waste treatment began 06/21/17, gas sampling and analysis terminated.











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: 06·19·17 / 1336	Tuesday 6.[2] Date & Start Time: 06·20·17 / 1300	Wednesday 6.[2] Date & Start Time: 06·21·17 / 1306	Thursday 6.[2] Date & Start Time: 06·22·17 / 1639	Friday 6.[2]Date & Start Time: 06·23·17 / 1305	Saturday 6.[2] Date & Start Time: 06·24·17 / 1300	Sunday 6.[2] Date & Start Time: 06·25·17 / 1300
TA-54-0375 Cell 1							
Calibrated infrared thermometer (6.[3])	Brand: FLUKE Model: 561 Cal. Due Date: 12·19·17 File Number 103868	Brand: FLUKE Model: 561 Cal. Due Date: 03·21·18 File Number 104841	Brand: FLUKE Model: 561 Cal. Due Date: 03·21·18 File Number 104841	Brand: FLUKE Model: 561 Cal. Due Date: 12·19·17 File Number 103868	Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868
Ambient Temperature (6.[4])	Cell 1: 68.6 °F	Cell 1: 69.5 °F	Cell 1: 69.5 °F	Cell 1: 67.4 °F	Cell 1: 66.5 °F	Cell 1: 64.9 °F	Cell 1: 66.8 °F
($) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[5])	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT
Ambient Temperature (6.[7])	Refrig.: 37.1 °F	Refrig.: 36.9 °F	Refrig.: 37.0 °F	Refrig.: 38.2 °F	Refrig.: 38.4 °F	Refrig.: 36.7 °F	Refrig.: 35.5 °F
($) Ambient Refrig. Temp.: > 32°F and ≤ 41°F; SR 4.6.2.1, SAC 5.7.24 (6.[7])	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT
Container ID #	**Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)**						
68685	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
68540	① ② ③ ® N/A	35.9	① ② ③ ® N/A	35.0	① ② ③ ® N/A	35.1	① ② ③ ® N/A	37.2	① ② ③ ® N/A	38.9	① ② ③ ® N/A	34.7	① ② ③ ® N/A	35.0
68553	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
69445	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

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Z# 311676

INITIAL MZ DATE 06·19·17

ATTACHMENT 2
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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	36.4	① ② ③ ✓ N/A	35.7	① ② ③ ✓ N/A	35.4	① ② ③ ✓ N/A	37.7	① ② ③ ✓ N/A	39.1	① ② ③ ✓ N/A	35.2	① ② ③ ✓ N/A	36.6
69490	① ② ③ ✓ N/A	36.9	① ② ③ ✓ N/A	35.2	① ② ③ ✓ N/A	35.8	① ② ③ ✓ N/A	38.5	① ② ③ ✓ N/A	37.8	① ② ③ ✓ N/A	36.3	① ② ③ ✓ N/A	35.4
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	37.3	① ② ③ ✓ N/A	37.0	① ② ③ ✓ N/A	35.7	① ② ③ ✓ N/A	38.4	① ② ③ ✓ N/A	38.9	① ② ③ ✓ N/A	36.8	① ② ③ ✓ N/A	37.3
69079	① ② ③ ✓ N/A	38.2	① ② ③ ✓ N/A	36.5	① ② ③ ✓ N/A	36.4	① ② ③ ✓ N/A	38.9	① ② ③ ✓ N/A	36.0	① ② ③ ✓ N/A	36.3	① ② ③ ✓ N/A	36.1
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	37.8	① ② ③ ✓ N/A	36.6	① ② ③ ✓ N/A	36.1	① ② ③ ✓ N/A	38.8	① ② ③ ✓ N/A	38.9	① ② ③ ✓ N/A	37.0	① ② ③ ✓ N/A	36.7
69417	N/A		N/A		N/A		N/A		N/A		N/A		N/A	
69620	✓ ② ③ ® N/A	70.6	✓ ② ③ ® N/A	71.9	✓ ② ③ ® N/A	71.6	✓ ② ③ ® N/A	66.9	✓ ② ③ ® N/A	69.7	✓ ② ③ ® N/A	63.7	✓ ② ③ ® N/A	64.4
69520	✓ ② ③ ® N/A	69.5	✓ ② ③ ® N/A	69.7	✓ ② ③ ® N/A	70.0	✓ ② ③ ® N/A	64.8	✓ ② ③ ® N/A	67.4	✓ ② ③ ® N/A	63.4	✓ ② ③ ® N/A	64.2
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	38.3	① ② ③ ✓ N/A	38.1	① ② ③ ✓ N/A	36.5	① ② ③ ✓ N/A	38.7	① ② ③ ✓ N/A	37.8	① ② ③ ✓ N/A	37.6	① ② ③ ✓ N/A	36.8
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])	1341		1306		1311		1644		1311		1309		1304	
Initial (6.[16])	WO: MZ WO: VSM		WO: MZ WO: VSM		WO: MZ WO: [signature]		WO: MZ WO: [signature]		WO: [signature] WO: MZ		WO: [signature] WO: MZ		WO: [signature] WO: MZ	

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Comments: N/C

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
MATTHEW ZOCCO		311676	06.19.17
Valerie Martinez		239958	06.19.17
MATTHEW ZOCCO		311676	06.20.17
Valerie Martinez		239958	06.20.17
MATTHEW ZOCCO		311676	06.21.17
Juan Garcia		169840	06-21-17
MATTHEW ZOCCO		311676	06.22.17
Luis Montoya		19526	06.22.17
MATTHEW ZOCCO		311676	06.23.17
Juan Garcia		169840	06.23.17
MATTHEW ZOCCO		311676	06.24.17
Juan Garcia		169840	06-24-17
MATTHEW ZOCCO		311676	06.25.17
Juan Garcia		169840	06-25-17

10.1[2] Reviewed by:

SOM (print)	Signature	Z#	Date

ATTACHMENT 3
Page 1 of 3

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

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

	Monday 6.[2] Date & Start Time: 06·19·17/1342	Tuesday 6.[2] Date & Start Time: 06·20·17/1307	Wednesday 6.[2] Date & Start Time: 06·21·17/1312	Thursday 6.[2] Date & Start Time: 06·22·17/1634	Friday 6.[2] Date & Start Time: 06·23·17/1317	Saturday 6.[2] Date & Start Time: 06·24·17/1305	Sunday 6.[2] Date & Start Time: 06·25·17/1305
TA-54-0375 Cell 2							
Calibrated infrared thermometer (6.[3])	Brand: FLUKE Model: 561 Cal. Due Date: 12·19·17 File Number 103868	Brand: FLUKE Model: 561 Cal. Due Date: 03·21·18 File Number 104841	Brand: FLUKE Model: 561 Cal. Due Date: 03·21·18 File Number 104841	Brand: FLUKE Model: 561 Cal. Due Date: 12·19·17 File Number 103868	Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868
Ambient Temperature (6.[4])	Cell 2: 63.1 °F	Cell 2: 63.9 °F	Cell 2: 63.9 °F	Cell 2: 61.3 °F	Cell 2: 62.2 °F	Cell 2: 61.6 °F	Cell 2: 59.0 °F
(S) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[5])	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT
Container ID #	Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)						
68408	① ② ③ ® N/A	59.3	① ② ③ ® N/A	61.5	① ② ③ ® N/A	59.4	① ② ③ ® N/A	57.8	① ② ③ ® N/A	58.3	① ② ③ ® N/A	57.3	① ② ③ ® N/A	56.3
68638	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
69615	① ② ③ ® N/A	39.3	① ② ③ ® N/A	38.0	① ② ③ ® N/A	37.8	① ② ③ ® N/A	46.9	① ② ③ ® N/A	38.7	① ② ③ ® N/A	37.8	① ② ③ ® N/A	36.8
69635	① ② ③ ® N/A	40.7	① ② ③ ® N/A	40.1	① ② ③ ® N/A	38.8	① ② ③ ® N/A	50.0	① ② ③ ® N/A	37.8	① ② ③ ® N/A	38.5	① ② ③ ® N/A	36.4
69642	① ② ③ ® N/A	64.5	① ② ③ ® N/A	66.1	① ② ③ ® N/A	65.6	① ② ③ ® N/A	63.4	① ② ③ ® N/A	61.3	① ② ③ ® N/A	59.7	① ② ③ ® N/A	60.7
69630	① ② ③ ® N/A	64.4	① ② ③ ® N/A	66.9	① ② ③ ® N/A	69.5	① ② ③ ® N/A	63.2	① ② ③ ® N/A	59.8	① ② ③ ® N/A	59.6	① ② ③ ® N/A	60.5
69633	① ② ③ ® N/A	64.8	① ② ③ ® N/A	65.6	① ② ③ ® N/A	69.5	① ② ③ ® N/A	62.7	① ② ③ ® N/A	61.9	① ② ③ ® N/A	59.7	① ② ③ ® N/A	60.3
68430	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
68631	① ② ③ ® N/A	38.8	① ② ③ ® N/A	38.0	① ② ③ ® N/A	37.4	① ② ③ ® N/A	40.6	① ② ③ ® N/A	36.1 55.4 6-23-17	① ② ③ ® N/A	38.4	① ② ③ ® N/A	38.2
69634	① ② ③ ® N/A	57.5	① ② ③ ® N/A	57.7	① ② ③ ® N/A	57.9	① ② ③ ® N/A	56.2	① ② ③ ® N/A	36.1 55.4 6-23-17	① ② ③ ® N/A	55.0	① ② ③ ® N/A	55.1

ATTACHMENT 3

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TA-54-0375 Cell 2 (continued)

Container ID #	Monday 6.[2]		Tuesday 6.[2]		Wednesday 6.[2]		Thursday 6.[2]		Friday 6.[2]		Saturday 6.[2]		Sunday 6.[2]	
	Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)													
68567	① ✓ ③ ® N/A	60.4	① ✓ ③ ® N/A	62.0	① ✓ ③ ® N/A	61.9	① ✓ ③ ® N/A	60.0	① ✓ ③ ® N/A	57.9	① ✓ ③ ® N/A	57.0	① ✓ ③ ® N/A	56.8
94227	① ✓ ③ ® N/A	62.6	① ✓ ③ ® N/A	63.6	① ✓ ③ ® N/A	62.8	① ✓ ③ ® N/A	60.4	① ✓ ③ ® N/A	59.1	① ✓ ③ ® N/A	57.6	① ✓ ③ ® N/A	60.5
68648	① ✓ ③ ® N/A	63.6	① ✓ ③ ® N/A	64.7	① ✓ ③ ® N/A	63.5	① ✓ ③ ® N/A	61.8	① ✓ ③ ® N/A	59.5	① ✓ ③ ® N/A	58.8	① ✓ ③ ® N/A	60.5
69644	① ✓ ③ ® N/A	65.3	① ✓ ③ ® N/A	65.2	① ✓ ③ ® N/A	64.7	① ✓ ③ ® N/A	62.1	① ✓ ③ ® N/A	61.9	① ✓ ③ ® N/A	58.1	① ✓ ③ ® N/A	58.9
69183	① ✓ ③ ® N/A	63.4	① ✓ ③ ® N/A	64.8	① ✓ ③ ® N/A	65.1	① ✓ ③ ® N/A	62.4	① ✓ ③ ® N/A	61.6	① ✓ ③ ® N/A	60.6	① ✓ ③ ® N/A	60.6
69638	① ✓ ③ ® N/A	64.6	① ✓ ③ ® N/A	65.4	① ✓ ③ ® N/A	65.1	① ✓ ③ ® N/A	62.7	① ✓ ③ ® N/A	60.7	① ✓ ③ ® N/A	59.3	① ✓ ③ ® N/A	59.9
68624	① ✓ ③ ® N/A	64.9	① ✓ ③ ® N/A	65.3	① ✓ ③ ® N/A	64.6	① ✓ ③ ® N/A	63.0	① ✓ ③ ® N/A	59.7	① ✓ ③ ® N/A	58.6	① ✓ ③ ® N/A	58.2
68507	① ✓ ③ ® N/A	62.7	① ✓ ③ ® N/A	64.6	① ✓ ③ ® N/A	63.1	① ✓ ③ ® N/A	61.5	① ✓ ③ ® N/A	61.4	① ✓ ③ ® N/A	57.9	① ✓ ③ ® N/A	58.1
69568	① ✓ ③ ® N/A	62.1	① ✓ ③ ® N/A	63.9	① ✓ ③ ® N/A	64.0	① ✓ ③ ® N/A	61.3	① ✓ ③ ® N/A	57.9	① ✓ ③ ® N/A	57.1	① ✓ ③ ® N/A	58.0
69553	① ✓ ③ ® N/A	62.6	① ✓ ③ ® N/A	63.5	① ✓ ③ ® N/A	63.4	① ✓ ③ ® N/A	60.1	① ✓ ③ ® N/A	57.9	① ✓ ③ ® N/A	57.6	① ✓ ③ ® N/A	58.3
69598	① ✓ ③ ® N/A	60.6	① ✓ ③ ® N/A	62.4	① ✓ ③ ® N/A	61.8	① ✓ ③ ® N/A	59.8	① ✓ ③ ® N/A	56.8	① ✓ ③ ® N/A	55.9	① ✓ ③ ® N/A	56.2
92472	① ✓ ③ ® N/A	61.2	① ✓ ③ ® N/A	62.9	① ✓ ③ ® N/A	61.6	① ✓ ③ ® N/A	59.9	① ✓ ③ ® N/A	56.6	① ✓ ③ ® N/A	54.8	① ✓ ③ ® N/A	55.6
92459	① ✓ ③ ® N/A	61.1	① ✓ ③ ® N/A	61.7	① ✓ ③ ® N/A	62.2	① ✓ ③ ® N/A	60.0	① ✓ ③ ® N/A	56.1	① ✓ ③ ® N/A	54.8	① ✓ ③ ® N/A	56.0
69015	① ✓ ③ ® N/A	64.0	① ✓ ③ ® N/A	63.9	① ✓ ③ ® N/A	66.3	① ✓ ③ ® N/A	61.2	① ✓ ③ ® N/A	57.9	① ✓ ③ ® N/A	58.8	① ✓ ③ ® N/A	59.6
69639	① ✓ ③ ® N/A	64.5	① ✓ ③ ® N/A	65.8	① ✓ ③ ® N/A	63.1	① ✓ ③ ® N/A	62.5	① ✓ ③ ® N/A	59.0	① ✓ ③ ® N/A	58.8	① ✓ ③ ® N/A	59.8
69637	① ✓ ③ ® N/A	65.0	① ✓ ③ ® N/A	64.8	① ✓ ③ ® N/A	64.4	① ✓ ③ ® N/A	62.7	① ✓ ③ ® N/A	58.8	① ✓ ③ ® N/A	58.3	① ✓ ③ ® N/A	60.3
End Time (6.[16])	1346		1311		1316		1638		1317		1309		1308	
Initial (6.[16])	WO: MZ WO: VDM		WO: MZ WO: VDM		WO: MZ WO: MZ		WO: MZ WO: cm		WO: MZ WO: MZ		WO: MZ WO: MZ		WO: MZ WO: MZ	

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Comments:

N/C

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
MATTHEW ZOCCO	Matthew Z	311676	06.19.17
Valerie Martinez	Valerie Martinez	239958	06.19.17
MATTHEW ZOCCO	Matthew Z	311676	06.20.17
Valerie Martinez	Valerie Martinez	239958	06.20.17
MATTHEW ZOCCO	Matthew Z	311676	06.21.17
Juan Garcia	Juan Garcia	169840	06.21.17
MATTHEW ZOCCO	Matthew Z	311676	06.22.17
Leon Montoya	Leon Montoya	191526	6.22.17
MATTHEW ZOCCO	Matthew Z	311676	06.23.17
Juan Garcia	Juan Garcia	169840	06.23.17
MATTHEW ZOCCO	Matthew Z	311676	06.24.17
Juan Garcia	Juan Garcia	169840	0624.17
MATTHEW ZOCCO	Matthew Z	311676	06.25.17
Juan Garcia	Juan Garcia	169840	06.25.17

10.1[2] Reviewed by:

SOM (print)	Signature	Z#	Date

ATTACHMENT 4
Page 1 of 3

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

NOTE ① = Cell 1; ② = Cell 2; ③ = Cell 3; ® = 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:
	06·19·17/1347	06·20·17/1312	06·21·17/1317	06·22·17/1630	06·23·17/1317	06·24·17/1389	06·25·17/1309
TA-54-0375 Cell 3							
Calibrated infrared thermometer (6.[3])	Brand: FLUKE Model: 561 Cal. Due Date: 12·19·17 File Number 103868	Brand: FLUKE Model: 561 Cal. Due Date: 03·21·18 File Number 104841	Brand: FLUKE Model: 561 Cal. Due Date: 03·21·18 File Number 104841	Brand: FLUKE Model: 561 Cal. Due Date: 12·19·17 File Number 103868	Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868
Ambient Temperature (6.[4])	Cell 3: 68.3 °F	Cell 3: 68.9 °F	Cell 3: 68.9 °F	Cell 3: 64.6 °F	Cell 3: 62.4 °F	Cell 3: 61.6 °F	Cell 3: 63.3 °F
($) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[5])	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT

Container ID #	Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)															
69519	① ② ③ ® N/A	65.2	① ② ③ ® N/A	64.8	① ② ③ ® N/A	66.0	① ② ③ ® N/A	63.2	① ② ③ ® N/A	58.9	① ② ③ ® N/A	58.7	① ② ③ ® N/A	60.5
69645	① ② ③ ® N/A	63.4	① ② ③ ® N/A	65.0	① ② ③ ® N/A	64.3	① ② ③ ® N/A	60.1	① ② ③ ® N/A	57.0	① ② ③ ® N/A	57.5	① ② ③ ® N/A	58.8
94068	① ② ③ ® N/A	67.3	① ② ③ ® N/A	68.8	① ② ③ ® N/A	68.4	① ② ③ ® N/A	64.9	① ② ③ ® N/A	60.9	① ② ③ ® N/A	60.7	① ② ③ ® N/A	62.1
93605	① ② ③ ® N/A	67.5	① ② ③ ® N/A	67.1	① ② ③ ® N/A	67.6	① ② ③ ® N/A	64.1	① ② ③ ® N/A	61.9	① ② ③ ® N/A	60.4	① ② ③ ® N/A	62.1
69548	① ② ③ ® N/A	67.9	① ② ③ ® N/A	69.5	① ② ③ ® N/A	68.6	① ② ③ ® N/A	65.7	① ② ③ ® N/A	61.9	① ② ③ ® N/A	61.0	① ② ③ ® N/A	62.4

ATTACHMENT 4
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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 ✓ Ⓡ N/A 68.2	① ② ✓ Ⓡ N/A 67.7	① ② ✓ Ⓡ N/A 69.1	① ② ✓ Ⓡ N/A 65.0	① ② ✓ Ⓡ N/A 60.0	① ② ✓ Ⓡ N/A 59.7	① ② ✓ Ⓡ N/A 62.5
68665	① ② ✓ Ⓡ N/A 67.5	① ② ✓ Ⓡ N/A 67.8	① ② ✓ Ⓡ N/A 67.8	① ② ✓ Ⓡ N/A 63.2	① ② ✓ Ⓡ N/A 61.8	① ② ✓ Ⓡ N/A 58.8	① ② ✓ Ⓡ N/A 60.7
69595	① ② ✓ Ⓡ N/A 65.4	① ② ✓ Ⓡ N/A 67.4	① ② ✓ Ⓡ N/A 67.0	① ② ✓ Ⓡ N/A 63.3	① ② ✓ Ⓡ N/A 59.2	① ② ✓ Ⓡ N/A 59.8	① ② ✓ Ⓡ N/A 61.1
69036	① ② ✓ Ⓡ N/A 66.5	① ② ✓ Ⓡ N/A 64.7	① ② ✓ Ⓡ N/A 65.5	① ② ✓ Ⓡ N/A 63.5	① ② ✓ Ⓡ N/A 60.3	① ② ✓ Ⓡ N/A 59.2	① ② ✓ Ⓡ N/A 60.7
69361	① ② ✓ Ⓡ N/A 67.3	① ② ✓ Ⓡ N/A 67.4	① ② ✓ Ⓡ N/A 66.5	① ② ✓ Ⓡ N/A 62.8	① ② ✓ Ⓡ N/A 60.0	① ② ✓ Ⓡ N/A 58.8	① ② ✓ Ⓡ N/A 61.6
69559	① ② ✓ Ⓡ N/A 68.0	① ② ✓ Ⓡ N/A 69.1	① ② ✓ Ⓡ N/A 67.0	① ② ✓ Ⓡ N/A 64.3	① ② ✓ Ⓡ N/A 61.0	① ② ✓ Ⓡ N/A 59.6	① ② ✓ Ⓡ N/A 61.8
69491	① ② ✓ Ⓡ N/A 68.1	① ② ✓ Ⓡ N/A 68.3	① ② ✓ Ⓡ N/A 68.2	① ② ✓ Ⓡ N/A 65.2	① ② ✓ Ⓡ N/A 61.7	① ② ✓ Ⓡ N/A 60.0	① ② ✓ Ⓡ N/A 61.7
87827	① ② ✓ Ⓡ N/A 69.9	① ② ✓ Ⓡ N/A 70.1	① ② ✓ Ⓡ N/A 69.5	① ② ✓ Ⓡ N/A 66.7	① ② ✓ Ⓡ N/A 62.4	① ② ✓ Ⓡ N/A 62.3	① ② ✓ Ⓡ N/A 64.4
87826	① ② ✓ Ⓡ N/A 69.3	① ② ✓ Ⓡ N/A 69.4	① ② ✓ Ⓡ N/A 68.8	① ② ✓ Ⓡ N/A 66.1	① ② ✓ Ⓡ N/A 63.1	① ② ✓ Ⓡ N/A 61.6	① ② ✓ Ⓡ N/A 64.3
87823	① ② ✓ Ⓡ N/A 69.9	① ② ✓ Ⓡ N/A 70.5	① ② ✓ Ⓡ N/A 69.5	① ② ✓ Ⓡ N/A 66.8	① ② ✓ Ⓡ N/A 61.3	① ② ✓ Ⓡ N/A 60.4	① ② ✓ Ⓡ N/A 63.8
87825	① ② ✓ Ⓡ N/A 69.1	① ② ✓ Ⓡ N/A 68.4	① ② ✓ Ⓡ N/A 69.0	① ② ✓ Ⓡ N/A 67.0	① ② ✓ Ⓡ N/A 66.6	① ② ✓ Ⓡ N/A 62.3	① ② ✓ Ⓡ N/A 64.4
End Time (6.[16])	1350	1316	1321	1633	1321	1314	1313
Initial (6.[16])	WO: MZ WO: VDM	WO: MZ WO: VDM	WO: MZ WO:	WO: MZ WO: LM	WO: WO: MZ	WO: WO: MZ	WO: WO: MZ

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Comments:

N/C

6-21-17 Luis Montoya 195266
6-23-17 169840
6-24-17 169840
6-25-17 169840

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
MATTHEW ZOCCO		311676	06.19.17
Valerie Martinez		239958	06.19.17
MATTHEW ZOCCO		311676	06.20.17
Valerie Martinez		239958	06.20.17
MATTHEW ZOCCO		311676	06.21.17
Juan Garcia		169840	06.21.17
MATTHEW ZOCCO		311676	06.22.17
Luis Montoya		195266	6.22.17
MATTHEW ZOCCO		311676	06.23.17
Juan Garcia		169840	06.23.17
MATTHEW ZOCCO		311676	06.24.17
Juan Garcia		169840	06.24.17
MATTHEW ZOCCO		311676	06.25.17
Juan Garcia		169840	06.25.17

10.1[2] Reviewed by:

SOM (print)	Signature	Z#	Date

ATTACHMENT 2
Page 1 of 3

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: 6-26-17 / 1300	Tuesday 6.[2] Date & Start Time: 06-27-17 / 1300	Wednesday 6.[2] Date & Start Time: 06-28-17 / 1335	Thursday 6.[2] Date & Start Time: 06-29-17 / 1318	Friday 6.[2] Date & Start Time: 06-30-17 / 1300	Saturday 6.[2] Date & Start Time: 07-01-17 / 1315	Sunday 6.[2] Date & Start Time: 07-02-17 /
TA-54-0375 Cell 1							
Calibrated infrared thermometer (6.[3])	Brand: Fluke Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: Fluke Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: Fluke Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: Fluke Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: Fluke Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: Fluke Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: Fluke Model: 561 Cal. Due Date: 12-19-17 File Number 103868
Ambient Temperature (6.[4])	Cell 1: 65.0 °F	Cell 1: 71.4 °F	Cell 1: 67.3 °F	Cell 1: 66.8 °F	Cell 1: 68.8 °F	Cell 1: 66.8 °F	Cell 1: 66.1 °F
($) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[5])	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT
Ambient Temperature (6.[7])	Refrig.: 36.8 °F	Refrig.: 36.7 °F	Refrig.: 35.3 °F	Refrig.: 35.8 °F	Refrig.: 36.9 °F	Refrig.: 36.5 °F	Refrig.: 37.4 °F
($) Ambient Refrig. Temp.: > 32°F and ≤ 41°F; SR 4.6.2.1, SAC 5.7.24 (6.[7])	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT
Container ID #	**Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)**						
68685	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
68540	① ② ③ ● N/A 34.5	① ② ③ ● N/A 34.9	① ② ③ ● N/A 34.9	① ② ③ ● N/A 34.1	① ② ③ ● N/A 38.5	① ② ③ ● N/A 37.0	① ② ③ ● N/A 39.6
68553	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
69445	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

WORKING COPY
Z#: 191526
INITIAL: [illegible] DATE: 6-26-17

ATTACHMENT 2
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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	35.4	① ② ③ ● N/A	35.1	① ② ③ ● N/A	34.8	① ② ③ ● N/A	34.4	① ② ③ ● N/A	36.7	① ② ③ ● N/A	38.1	① ② ③ ● N/A	38.5
69490	① ② ③ ● N/A	35.9	① ② ③ ● N/A	35.8	① ② ③ ● N/A	35.3	① ② ③ ● N/A	36.0	① ② ③ ● N/A	39.1	① ② ③ ● N/A	35.6	① ② ③ ● N/A	39.4
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	36.3	① ② ③ ● N/A	36.2	① ② ③ ● N/A	36.5	① ② ③ ● N/A	34.8	① ② ③ ● N/A	37.4	① ② ③ ● N/A	37.8	① ② ③ ● N/A	38.1
69079	① ② ③ ● N/A	36.2	① ② ③ ● N/A	36.7	① ② ③ ● N/A	35.8	① ② ③ ● N/A	35.4	① ② ③ ● N/A	38.2	① ② ③ ● N/A	38.7	① ② ③ ● N/A	38.0
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	✓ ② ③ ® N/A	65.6	✓ ② ③ ® N/A	67.3	✓ ② ③ ® N/A	67.2	✓ ② ③ ® N/A	66.6	✓ ② ③ ® N/A	69.6	✓ ② ③ ® N/A	67.5	✓ ② ③ ® N/A	69.5
69520	✓ ② ③ ® N/A	64.9	✓ ② ③ ® N/A	65.8	✓ ② ③ ® N/A	65.0	✓ ② ③ ® N/A	64.4	✓ ② ③ ® N/A	67.0	✓ ② ③ ® N/A	66.8	✓ ② ③ ® N/A	66.4
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	36.6	① ② ③ ● N/A	37.5	① ② ③ ● N/A	36.0	① ② ③ ● N/A	34.7	① ② ③ ● N/A	39.0	① ② ③ ● N/A	36.9	① ② ③ ● N/A	38.7
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])	1305		1307		1342		1322		1307		1321		1318	
Initial (6.[16])	WO: LM WO: [illegible]		WO: LM WO: [illegible]		WO: IA WO: [illegible]		WO: [illegible] WO: IA		WO: VDN WO: [illegible]		WO: VDN WO: [illegible]		WO: VDN WO: [illegible]	

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Comments:

No comments

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
Leon Montoya		191526	1.26.17
Tina Aguirre		174977	06-26-17
Leon Montoya		191526	6.27.17
Tina Aguirre		174977	06-27-17
Fabian Anaya	Fabian Anaya	174963	06.28.17
Tina Aguirre		174977	06-28-17
Juan Garcia		169840	06-29-17
Fabian Anaya	Fabian Anaya	174963	06-29-17
Valerie Martinez		239958	06.30.17
Tina Aguirre		174977	06-30-17
Valerie Martinez		239958	07.01.17
Tina Aguirre		174977	07-01-17
Valerie Martinez		239958	07.02.17
Tina Aguirre		174977	07-02-17

10.1[2] Reviewed by:

SOM (print)	Signature	Z#	Date

ATTACHMENT 3
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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; ® = refrigerator; N/A – removed from Perma-Con and refrigerator

	Monday 6.[2] Date & Start Time: 6.26.17 / 1306	Tuesday 6.[2] Date & Start Time: 6/27/17 / 1308	Wednesday 6.[2] Date & Start Time: 06-28-17 / 1343	Thursday 6.[2] Date & Start Time: 06.29.17 / 1323	Friday 6.[2] Date & Start Time: 0630-17 / 1307	Saturday 6.[2] Date & Start Time: 0701-17 / 1321	Sunday 6.[2] Date & Start Time: 07.02.17 / 1318
TA-54-0375 Cell 2							
Calibrated infrared thermometer (6.[3])	Brand: Fluke Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: Fluke Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: Fluke Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: Fluke Model: 561 Cal. Due Date: 12-19-17 File Number 103861	Brand: Fluke Model: 561 Cal. Due Date: 12-19-17 File Number 103865	Brand: Fluke Model: 561 Cal. Due Date: 12-19-17 File Number 103865	Brand: Fluke Model: 561 Cal. Due Date: 12-19-17 File Number 103868
Ambient Temperature (6.[4])	Cell 2: 60.0 °F	Cell 2: 66.7 °F	Cell 2: 59.6 °F	Cell 2: 59.8 °F	Cell 2: 62.5 °F	Cell 2: 61.8 °F	Cell 2: 62.1 °F
($) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[5])	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT
Container ID #	**Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)**						
68408	① ② ③ ® N/A	58.1	① ② ③ ® N/A	65.6	① ② ③ ® N/A	55.5	① ② ③ ® N/A	33.1	① ② ③ ® N/A	38.0	① ② ③ ® N/A	37.4	① ② ③ ® N/A	39.4
68638	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
69615	① ② ③ ® N/A	37.3	① ② ③ ® N/A	38.4	① ② ③ ® N/A	36.5	① ② ③ ® N/A	35.7	① ② ③ ® N/A	37.8	① ② ③ ® N/A	38.7	① ② ③ ® N/A	39.1
69635	① ② ③ ® N/A	38.0	① ② ③ ® N/A	38.7	① ② ③ ® N/A	36.6	① ② ③ ® N/A	35.5	① ② ③ ® N/A	38.1	① ② ③ ® N/A	39.6	① ② ③ ® N/A	36.0
69642	① ② ③ ® N/A	61.5	① ② ③ ® N/A	65.5	① ② ③ ® N/A	59.6	① ② ③ ® N/A	33.4	① ② ③ ® N/A	40.0	① ② ③ ® N/A	36.1	① ② ③ ® N/A	36.7 37.4 37.4
69630	① ② ③ ® N/A	61.2	① ② ③ ® N/A	64.8	① ② ③ ® N/A	62.0	① ② ③ ® N/A	59.7	① ② ③ ® N/A	62.4	① ② ③ ® N/A	61.8	① ② ③ ® N/A	61.7
69633 ?	① ② ③ ® N/A	60.8	① ② ③ ® N/A	64.9	① ② ③ ® N/A	59.4	① ② ③ ® N/A	60.0	① ② ③ ® N/A	61.6	① ② ③ ® N/A	61.6	① ② ③ ® N/A	62.3
68430	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
68631	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
69634	① ② ③ ® N/A	55.2	① ② ③ ® N/A	63.5	① ② ③ ® N/A	54.0	① ② ③ ® N/A	54.5	① ② ③ ® N/A	56.7	① ② ③ ® N/A	56.2	① ② ③ ® N/A	56.3

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TA-54-0375 Cell 2 (continued)	Monday 6.[2]		Tuesday 6.[2]		Wednesday 6.[2]		Thursday 6.[2]		Friday 6.[2]		Saturday 6.[2]		Sunday 6.[2]	
Container ID #	Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)													
68567	① ✓ ③ ® N/A	58.6	① ✓ ③ ® N/A	64.3	① ✓ ③ ® N/A	57.7	① ✓ ③ ® N/A	56.7	① ✓ ③ ® N/A	59.1	① ✓ ③ ® N/A	58.1	① ✓ ③ ® N/A	59.5
94227	① ✓ ③ ® N/A	59.3	① ✓ ③ ® N/A	64.3	① ✓ ③ ® N/A	58.5	① ✓ ③ ® N/A	57.1	① ✓ ③ ® N/A	60.0	① ✓ ③ ® N/A	60.0	① ✓ ③ ® N/A	60.2
68648	① ✓ ③ ® N/A	60.9	① ✓ ③ ® N/A	64.4	① ✓ ③ ® N/A	60.0	① ✓ ③ ® N/A	59.0	① ✓ ③ ® N/A	61.7	① ✓ ③ ® N/A	61.2	① ✓ ③ ® N/A	60.0
69644	① ✓ ③ ® N/A	61.2	① ✓ ③ ® N/A	64.9	① ✓ ③ ® N/A	60.0	① ✓ ③ ® N/A	58.1	① ✓ ③ ® N/A	62.9	① ✓ ③ ® N/A	60.6	① ✓ ③ ® N/A	61.2
69183	① ✓ ③ ® N/A	61.2	① ✓ ③ ® N/A	64.3	① ✓ ③ ® N/A	61.5	① ✓ ③ ® N/A	60.8	① ✓ ③ ® N/A	62.6	① ✓ ③ ® N/A	61.8	① ✓ ③ ® N/A	61.4
69638	① ✓ ③ ® N/A	61.1	① ✓ ③ ® N/A	65.4	① ✓ ③ ® N/A	60.0	① ✓ ③ ® N/A	60.4	① ✓ ③ ® N/A	61.7	① ✓ ③ ® N/A	61.7	① ✓ ③ ® N/A	61.6
68624	① ✓ ③ ® N/A	60.5	① ✓ ③ ® N/A	64.2	① ✓ ③ ® N/A	60.3	① ✓ ③ ® N/A	60.2	① ✓ ③ ® N/A	61.8	① ✓ ③ ® N/A	60.4	① ✓ ③ ® N/A	61.3
68507	① ✓ ③ ® N/A	59.6	① ✓ ③ ® N/A	64.3	① ✓ ③ ® N/A	59.9	① ✓ ③ ® N/A	59.1	① ✓ ③ ® N/A	62.0	① ✓ ③ ® N/A	60.3	① ✓ ③ ® N/A	60.6
69568	① ✓ ③ ® N/A	59.2	① ✓ ③ ® N/A	63.8	① ✓ ③ ® N/A	59.0	① ✓ ③ ® N/A	57.1	① ✓ ③ ® N/A	60.4	① ✓ ③ ® N/A	59.5	① ✓ ③ ® N/A	59.6
69553	① ✓ ③ ® N/A	58.9	① ✓ ③ ® N/A	64.3	① ✓ ③ ® N/A	58.2	① ✓ ③ ® N/A	57.6	① ✓ ③ ® N/A	59.2	① ✓ ③ ® N/A	58.9	① ✓ ③ ® N/A	61.2
69598	① ✓ ③ ® N/A	58.0	① ✓ ③ ® N/A	64.6	① ✓ ③ ® N/A	57.2	① ✓ ③ ® N/A	57.4	① ✓ ③ ® N/A	60.6	① ✓ ③ ® N/A	59.5	① ✓ ③ ® N/A	57.1
92472	① ✓ ③ ® N/A	57.0	① ✓ ③ ® N/A	64.2	① ✓ ③ ® N/A	57.2	① ✓ ③ ® N/A	55.7	① ✓ ③ ® N/A	59.0	① ✓ ③ ® N/A	58.6	① ✓ ③ ® N/A	58.9
92459	① ✓ ③ ® N/A	56.9	① ✓ ③ ® N/A	64.6	① ✓ ③ ® N/A	56.6	① ✓ ③ ® N/A	55.1	① ✓ ③ ® N/A	58.2	① ✓ ③ ® N/A	57.4	① ✓ ③ ® N/A	56.6
69015	① ✓ ③ ® N/A	58.8	① ✓ ③ ® N/A	63.4	① ✓ ③ ® N/A	59.3	① ✓ ③ ® N/A	59.7	① ✓ ③ ® N/A	61.0	① ✓ ③ ® N/A	61.7	① ✓ ③ ® N/A	60.1
69639	① ✓ ③ ® N/A	60.0	① ✓ ③ ® N/A	63.8	① ✓ ③ ® N/A	60.9	① ✓ ③ ® N/A	59.4	① ✓ ③ ® N/A	61.4	① ✓ ③ ® N/A	60.7	① ✓ ③ ® N/A	61.4
69637	① ✓ ③ ® N/A	59.8	① ✓ ③ ® N/A	64.4	① ✓ ③ ® N/A	60.4	① ✓ ③ ® N/A	59.2	① ✓ ③ ® N/A	61.7	① ✓ ③ ® N/A	61.2	① ✓ ③ ® N/A	61.5
End Time (6.[16])	1313		1316		1350		1327		1312		1325		1323	
Initial (6.[16])	WO: LM WO: DA		WO: LM WO: DA		WO: FA WO: DA		WO: WO: FA		WO: VM WO: DA		WO: VM WO: DA		WO: VM WO: DA	

ATTACHMENT 3
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Comments:

No comments

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
Leon Montoya		19526	6.26.17
Tina Aguirre		174977	06-26-17
Leon Montoya		19526	6-27-17
Tina Aguirre		174977	0627-17
Fabian Anaya	Fabian Anaya	174963	06-28-17
Tina Aguirre		174977	06-28-17
Juan Garcia		169840	06-29-17
Fabian Anaya	Fabian Anaya	174963	06-29-17
Valerie Martinez	Valerie Martinez	239957	06.30.17
Tina Aguirre		174977	06-30-17
Valerie Martinez	Valerie Martinez	239958	07.01.17
Tina Aguirre		174977	07-01-17
Valerie Martinez	Valerie Martinez	239958	07.02.17
Tina Aguirre		174977	07-02-17

10.1[2] Reviewed by:

SOM (print)	Signature	Z#	Date

ATTACHMENT 4
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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; ® = 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:
	6-26-17/1314	6-27-17/1317	06-28-17/1351	06-29-17/1328	0630-17/1312	07-01-17/1325	07-02-17/1323
TA-54-0375 Cell 3							
Calibrated infrared thermometer (6.[3])	Brand: Fluke Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: Fluke Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: Fluke Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: Fluke Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: Fluke Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: Fluke Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: Fluke Model: 561 Cal. Due Date: 12-19-17 File Number 103868
Ambient Temperature (6.[4])	Cell 3: 63.6 °F	Cell 3: 65.5 °F	Cell 3: 64.8 °F	Cell 3: 63.0 °F	Cell 3: 67.8 °F	Cell 3: 66.1 °F	Cell 3: 65.2 °F
($) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[5])	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT

Container ID #	Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)															
69519	① ② ③ ® N/A	61.2	① ② ③ ® N/A	62.7	① ② ③ ® N/A	61.1	① ② ③ ® N/A	60.5	① ② ③ ® N/A	63.3	① ② ③ ® N/A	62.2	① ② ③ ® N/A	63.2
69645	① ② ③ ® N/A	60.0	① ② ③ ® N/A	61.2	① ② ③ ® N/A	60.2	① ② ③ ® N/A	60.8	① ② ③ ® N/A	62.8	① ② ③ ® N/A	61.2	① ② ③ ® N/A	61.5
94068	① ② ③ ® N/A	62.5	① ② ③ ® N/A	63.2	① ② ③ ® N/A	63.8	① ② ③ ® N/A	60.4	① ② ③ ® N/A	64.8	① ② ③ ® N/A	63.8	① ② ③ ® N/A	63.0
93605	① ② ③ ® N/A	63.0	① ② ③ ® N/A	63.8	① ② ③ ® N/A	63.7	① ② ③ ® N/A	62.8	① ② ③ ® N/A	64.5	① ② ③ ® N/A	64.3	① ② ③ ® N/A	64.4
69548	① ② ③ ® N/A	64.2	① ② ③ ® N/A	64.6	① ② ③ ® N/A	64.6	① ② ③ ® N/A	63.3	① ② ③ ® N/A	63.5	① ② ③ ® N/A	65.3	① ② ③ ® N/A	65.9

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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 63.4	① ② ③ ® N/A 63.9	① ② ③ ® N/A 63.2	① ② ③ ® N/A 63.7	① ② ③ ® N/A 64.6	① ② ③ ® N/A 64.0	① ② ③ ® N/A 64.7
68665	① ② ③ ® N/A 62.4	① ② ③ ® N/A 63.7	① ② ③ ® N/A 61.5	① ② ③ ® N/A 61.1	① ② ③ ® N/A 64.7	① ② ③ ® N/A 62.7	① ② ③ ® N/A 63.2
69595	① ② ③ ® N/A 62.7	① ② ③ ® N/A 63.8	① ② ③ ® N/A 62.3	① ② ③ ® N/A 60.8	① ② ③ ® N/A 63.5	① ② ③ ® N/A 62.8	① ② ③ ® N/A 64.0
69036	① ② ③ ® N/A 61.1	① ② ③ ® N/A 63.9	① ② ③ ® N/A 61.1	① ② ③ ® N/A 61.0	① ② ③ ® N/A 63.4	① ② ③ ® N/A 60.8	① ② ③ ® N/A 61.3
69361	① ② ③ ® N/A 62.8	① ② ③ ® N/A 63.2	① ② ③ ® N/A 61.6	① ② ③ ® N/A 62.8	① ② ③ ® N/A 65.0	① ② ③ ® N/A 63.1	① ② ③ ® N/A 64.0
69559	① ② ③ ® N/A 63.0	① ② ③ ® N/A 64.2	① ② ③ ® N/A 63.4	① ② ③ ® N/A 61.7	① ② ③ ® N/A 65.4	① ② ③ ® N/A 63.2	① ② ③ ® N/A 64.6
69491	① ② ③ ® N/A 63.1	① ② ③ ® N/A 63.8	① ② ③ ® N/A 63.9	① ② ③ ® N/A 63.1	① ② ③ ® N/A 65.0	① ② ③ ® N/A 64.8	① ② ③ ® N/A 66.0
87827	① ② ③ ® N/A 64.6	① ② ③ ® N/A 66.0	① ② ③ ® N/A 65.8	① ② ③ ® N/A 63.1	① ② ③ ® N/A 66.3	① ② ③ ® N/A 66.2	① ② ③ ® N/A 64.1
87826	① ② ③ ® N/A 64.8	① ② ③ ® N/A 65.7	① ② ③ ® N/A 63.8	① ② ③ ® N/A 63.9	① ② ③ ® N/A 65.6	① ② ③ ® N/A 64.4	① ② ③ ® N/A 63.9
87823	① ② ③ ® N/A 65.0	① ② ③ ® N/A 66.2	① ② ③ ® N/A 66.4	① ② ③ ® N/A 63.8	① ② ③ ® N/A 67.5	① ② ③ ® N/A 66.0	① ② ③ ® N/A 64.9
87825	① ② ③ ® N/A 65.4	① ② ③ ® N/A 64.2	① ② ③ ® N/A 66.9	① ② ③ ® N/A 66.7	① ② ③ ® N/A 66.8	① ② ③ ® N/A 64.8	① ② ③ ® N/A 65.9
End Time (6.[16])	1320	1323	1357	1332	1319	1332	1329
Initial (6.[16])	WO: 4m WO: DA	WO: 4m WO: DA	WO: FA WO: DA	WO: WO: FA	WO: VDM WO: DA	WO: VDM WO: DA	WO: VDM WO: DA

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Comments: No comments

Leon Montoya 191526 6-27-17
Von 239958 6/28/17

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
Leon Montoya		191526	6-26-17
Tina Aguirre		174977	06-26-17
Leon Montoya		191526	06-27-17
Tina Aguirre		174977	06-27-17
Fabian Anaya	Fabian Anaya	174963	06-28-17
Tina Aguirre		174977	06-28-17
Juan Garcia		169840	06-29-17
Fabian Anaya	Fabian Anaya	174963	06-29-17
Valerie Martinez	Valerie Martinez	239958	06-30-17
Tina Aguirre		174977	06-30-17
Valerie Martinez	Valerie Martinez	239958	07-01-17
Tina Aguirre		174977	07-01-17
Valerie Martinez	Valerie Martinez	239958	07-02-17
Tina Aguirre		174977	07-02-17

10.1[2] Reviewed by:

SOM (print)	Signature	Z#	Date

ATTACHMENT 2
Page 1 of 3

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: 07-03-17/1300	Tuesday 6.[2] Date & Start Time: 07-04-17/1300	Wednesday 6.[2] Date & Start Time: 07-05-17/1305	Thursday 6.[2] Date & Start Time: 07-06-17/1305	Friday 6.[2]Date & Start Time: 07-07-17/1300	Saturday 6.[2] Date & Start Time: 07-08-17/1300	Sunday 6.[2] Date & Start Time: 07-09-17/1300
TA-54-0375 Cell 1							
Calibrated infrared thermometer (6.[3])	Brand: Fluke Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: FLUKE Model: 561< Cal. Due Date: ~~10386~~ 12-19-17 File Number 103868	Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: Fluke Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868
Ambient Temperature (6.[4])	Cell 1: 66.0 °F	Cell 1: 68.7 °F	Cell 1: 68.0 °F	Cell 1: 69.5 °F	Cell 1: 68.9 °F	Cell 1: 68.6 °F	Cell 1: 68.6 °F
($) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[5])	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT
Ambient Temperature (6.[7])	Refrig.: 35.6 °F	Refrig.: 38.9 °F	Refrig.: 39.7 °F	Refrig.: 36.4 °F	Refrig.: 36.9 °F	Refrig.: 35.1 °F	Refrig.: 36.7 °F
($) Ambient Refrig. Temp.: > 32°F and ≤ 41°F; SR 4.6.2.1, SAC 5.7.24 (6.[7])	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT
Container ID #	**Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)**						
68685	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
68540	① ② ③ ● N/A 34.8	① ② ③ ® N/A 37.2 ~~34.8~~ 07-03-17	① ② ③ ® N/A 36.8	① ② ③ ● N/A 34.8	① ② ③ ® N/A 35.5	① ② ③ ® N/A 34.2	① ② ③ ® N/A 35.1
68553	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
69445	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

WORKING COPY
Z# 239958
INITIAL YDM DATE 07/03/17

ATTACHMENT 2
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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	35.1	① ② ③ ® N/A	37.4	① ② ③ ® N/A	37.0	① ② ③ ● N/A	36.0	① ② ③ ® N/A	36.4	① ② ③ ® N/A	35.7	① ② ③ ® N/A	36.2
69490	① ② ③ ● N/A	35.0	① ② ③ ® N/A	37.4	① ② ③ ® N/A	37.7	① ② ③ ● N/A	37.0	① ② ③ ® N/A	38.4	① ② ③ ® N/A	35.6	① ② ③ ® N/A	36.2
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	35.8	① ② ③ ® N/A	38.6	① ② ③ ® N/A	37.5	① ② ③ ● N/A	36.4	① ② ③ ® N/A	36.8	① ② ③ ® N/A	35.7	① ② ③ ® N/A	37.1
69079	① ② ③ ● N/A	35.8	① ② ③ ® N/A	37.8	① ② ③ ® N/A	37.5	① ② ③ ● N/A	37.3	① ② ③ ® N/A	36.8	① ② ③ ® N/A	36.1	① ② ③ ® N/A	36.8
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	✓ ② ③ ® N/A	67.0	✓ ② ③ ® N/A	66.4	✓ ② ③ ® N/A	68.9	● ② ③ ® N/A	71.8	✓ ② ③ ® N/A	68.4	✓ ② ③ ® N/A	70.2	✓ ② ③ ® N/A	69.9
69520	✓ ② ③ ® N/A	65.2	✓ ② ③ ® N/A	65.5	✓ ② ③ ® N/A	67.9	● ② ③ ® N/A	70.2	✓ ② ③ ® N/A	67.8	✓ ② ③ ® N/A	68.4	✓ ② ③ ® N/A	68.0
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	37.0	① ② ③ ® N/A	37.8	① ② ③ ® N/A	37.6	① ② ③ ● N/A	37.0	① ② ③ ® N/A	37.7	① ② ③ ® N/A	36.5	① ② ③ ® N/A	37.6
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])	1308		1306		1322		1310		1304		1304		1304	
Initial (6.[16])	WO: FA WO: VDM		WO: MZ WO:		WO: FA WO: MZ		WO: FA WO:		WO: WO: MZ		WO: WO: MZ		WO: WO: MZ	

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Comments:

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
Fabian Anaya	Fabian Anaya	174963	07-03-17
Valerie Martinez	Valerie Martinez	239958	07-03-17
MATTHEW ZOCCO	Matthew Zocco	311676	07-04-17
Juan Garcia	Juan Garcia	169840	07-04-17
Fabian Anaya	Fabian Anaya	174963	07-05-17
MATTHEW ZOCCO	Matthew Zocco	311676	07-05-17
Fabian Anaya	Fabian Anaya	174963	07-06-17
Juan Garcia	Juan Garcia	169840	07-06-17
MATTHEW ZOCCO	Matthew Zocco	311676	07-07-17
Juan Garcia	Juan Garcia	169840	07-07-17
MATTHEW ZOCCO	Matthew Zocco	311676	07-08-17
Juan Garcia	Juan Garcia	169840	07-08-17
MATTHEW ZOCCO	Matthew Zocco	311676	07-09-17
Juan Garcia	Juan Garcia	169840	07-09-17

10.1[2] Reviewed by:

SOM (print)	Signature	Z#	Date

ATTACHMENT 3
Page 1 of 3

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

NOTE ① = Cell 1; ② = Cell 2; ③ = Cell 3; ® = 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:
	07-03-17 / 1308	07-04-17 / 1307	07-05-17 / 1323	07-06-17 / 1311	07-07-17 / 1305	07-08-17 / 1305	07-09-17 / 1305
TA-54-0375 Cell 2							
Calibrated infrared thermometer (6.[3])	Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: Fluke Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868
Ambient Temperature (6.[4])	Cell 2: 60.8 °F	Cell 2: 61.8 °F	Cell 2: 62.6 °F	Cell 2: 65.9 °F	Cell 2: 63.6 °F	Cell 2: 63.6 °F	Cell 2: 64.8 °F
($) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[5])	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☐ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT
Container ID #	Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)						
68408	① ② ③ ● N/A	35.7	① ② ③ ® N/A	36.5	① ② ③ ® N/A	38.5	① ② ③ ● N/A	37.6	① ② ③ ® N/A	37.6	① ② ③ ® N/A	37.3	① ② ③ ® N/A	37.9
68638	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
69615	① ② ③ ● N/A	36.6	① ② ③ ® N/A	37.6	① ② ③ ® N/A	38.9	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
69635	① ② ③ ● N/A	37.2	① ② ③ ® N/A	36.5	① ② ③ ® N/A	39.5	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
69642	① ② ③ ● N/A	37.6	① ② ③ ® N/A	37.8	① ② ③ ® N/A	38.2	① ② ③ ● N/A	37.8	① ② ③ ® N/A	37.8	① ② ③ ® N/A	37.6	① ② ③ ® N/A	38.9
69630	① ② ③ ® N/A	60.3	① ② ③ ® N/A	61.0	① ② ③ ® N/A	63.1	① ② ③ ® N/A	64.8	① ② ③ ® N/A	61.9	① ② ③ ® N/A	62.8	① ② ③ ® N/A	63.4
69633	① ② ③ ® N/A	59.0	① ② ③ ® N/A	60.2	① ② ③ ® N/A	62.3	① ② ③ ® N/A	64.1	① ② ③ ® N/A	63.4	① ② ③ ® N/A	64.1	① ② ③ ® N/A	63.5
68430	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
68631	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
69634	① ② ③ ® N/A	54.8	① ② ③ ® N/A	55.2	① ② ③ ® N/A	55.4	① ② ③ ® N/A	58.1	① ② ③ ® N/A	57.0	① ② ③ ® N/A	58.8	① ② ③ ® N/A	57.7

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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 ✓ ③ ® N/A 57.6	① ✓ ③ ® N/A 59.0	① ✓ ③ ® N/A 58.9	① ✓ ③ ® N/A 61.2	① ✓ ③ ® N/A 62.1	① ✓ ③ ® N/A 60.6	① ✓ ③ ® N/A 60.5
94227	① ✓ ③ ® N/A 60.3	① ✓ ③ ® N/A 58.8	① ✓ ③ ® N/A 60.8	① ✓ ③ ® N/A 62.4	① ✓ ③ ® N/A 61.9	① ✓ ③ ® N/A 63.5	① ✓ ③ ® N/A 62.6
68648	① ✓ ③ ® N/A 59.4	① ✓ ③ ® N/A 59.5	① ✓ ③ ® N/A 63.0	① ✓ ③ ® N/A 64.3	① ✓ ③ ® N/A 62.7	① ✓ ③ ® N/A 62.7	① ✓ ③ ® N/A 63.9
69644	① ✓ ③ ® N/A 60.2	① ✓ ③ ® N/A 59.2	① ✓ ③ ® N/A 61.4	① ✓ ③ ® N/A 64.3	① ✓ ③ ® N/A 62.0	① ✓ ③ ® N/A 63.7	① ✓ ③ ® N/A 61.6
69183	① ✓ ③ ® N/A 59.9	① ✓ ③ ® N/A 61.1	① ✓ ③ ® N/A 63.4	① ✓ ③ ® N/A 64.6	① ✓ ③ ® N/A 63.8	① ✓ ③ ® N/A 63.0	① ✓ ③ ® N/A 64.2
69638	① ✓ ③ ® N/A 60.8	① ✓ ③ ® N/A 61.3	① ✓ ③ ® N/A 62.6	① ✓ ③ ® N/A 64.4	① ✓ ③ ® N/A 64.0	① ✓ ③ ® N/A 63.1	① ✓ ③ ® N/A 63.8
68624	① ✓ ③ ® N/A 59.7	① ✓ ③ ® N/A 59.7	① ✓ ③ ® N/A 62.4	① ✓ ③ ® N/A 64.8	① ✓ ③ ® N/A 63.3	① ✓ ③ ® N/A 62.7	① ✓ ③ ® N/A 62.6
68507	① ✓ ③ ® N/A 59.5	① ✓ ③ ® N/A 59.5	① ✓ ③ ® N/A 62.0	① ✓ ③ ® N/A 63.4	① ✓ ③ ® N/A 62.9	① ✓ ③ ® N/A 63.2	① ✓ ③ ® N/A 62.9
69568	① ✓ ③ ® N/A 58.7	① ✓ ③ ® N/A 58.1	① ✓ ③ ® N/A 60.6	① ✓ ③ ® N/A 62.9	① ✓ ③ ® N/A 62.7	① ✓ ③ ® N/A 62.7	① ✓ ③ ® N/A 62.6
69553	① ✓ ③ ® N/A 58.9	① ✓ ③ ® N/A 58.7	① ✓ ③ ® N/A 60.7	① ✓ ③ ® N/A 62.8	① ✓ ③ ® N/A 62.5	① ✓ ③ ® N/A 62.7	① ✓ ③ ® N/A 62.1
69598	① ✓ ③ ® N/A 57.3	① ✓ ③ ® N/A 57.8	① ✓ ③ ® N/A 60.2	① ✓ ③ ® N/A 61.1	① ✓ ③ ® N/A 59.6	① ✓ ③ ® N/A 60.0	① ✓ ③ ® N/A 60.9
92472	① ✓ ③ ® N/A 56.2	① ✓ ③ ® N/A 54.9	① ✓ ③ ® N/A 59.6	① ✓ ③ ® N/A 60.7	① ✓ ③ ® N/A 59.5	① ✓ ③ ® N/A 60.6	① ✓ ③ ® N/A 60.7
92459	① ✓ ③ ® N/A 56.3	① ✓ ③ ® N/A 55.9	① ✓ ③ ® N/A 59.5	① ✓ ③ ® N/A 60.9	① ✓ ③ ® N/A 58.9	① ✓ ③ ® N/A 58.8	① ✓ ③ ® N/A 60.3
69015	① ✓ ③ ® N/A 59.3	① ✓ ③ ® N/A 59.9	① ✓ ③ ® N/A 62.4	① ✓ ③ ® N/A 62.7	① ✓ ③ ® N/A 62.3	① ✓ ③ ® N/A 63.1	① ✓ ③ ® N/A 64.1
69639	① ✓ ③ ® N/A 60.3	① ✓ ③ ® N/A 61.3	① ✓ ③ ® N/A 63.1	① ✓ ③ ® N/A 64.7	① ✓ ③ ® N/A 62.7	① ✓ ③ ® N/A 63.0	① ✓ ③ ® N/A 63.0
69637	① ✓ ③ ® N/A 61.2	① ✓ ③ ® N/A 59.5	① ✓ ③ ® N/A 62.8	① ✓ ③ ® N/A 64.7	① ✓ ③ ® N/A 62.2	① ✓ ③ ® N/A 64.6	① ✓ ③ ® N/A 62.9
End Time (6.[16])	1315	1311	1335	1321	1309	1309	1309
Initial (6.[16])	WO: FA WO: YDM	WO: MZ WO:	WO: FA WO: MZ	WO: FA WO:	WO: WO: MZ	WO: WO: MZ	WO: WO: MZ

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Comments:

N/C

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
Fabian Anaya	Fabian Anaya	174963	07-03-17
Valerie Martinez	Valerie Martinez	239958	07.03.17
MATTHEW ZOCCO	Matthew Zocco	311676	07.04.17
Juan Garcia	Juan Garcia	169840	07-04-17
Fabian Anaya	Fabian Anaya	174963	07-05-17
MATTHEW ZOCCO	Matthew Zocco	311676	07.05.17
Fabian Anaya	Fabian Anaya	174963	07-06-17
Juan Garcia	Juan Garcia	169840	07-06-17
MATTHEW ZOCCO	Matthew Zocco	311676	07.07.17
Juan Garcia	Juan Garcia	169840	07-07-17
MATTHEW ZOCCO	Matthew Zocco	311676	07.08.17
Juan Garcia	Juan Garcia	169840	07-08-17
MATTHEW ZOCCO	Matthew Zocco	311676	07.09.17
Juan Garcia	Juan Garcia	169840	07-09-17

10.1[2] Reviewed by:

SOM (print)	Signature	Z#	Date

ATTACHMENT 4
Page 1 of 3

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

NOTE ① = Cell 1; ② = Cell 2; ③ = Cell 3; ® = 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:
	07-03-17/1315	07-04-17/1312	07-05-17/1336	07-06-17/1322	07-07-17/1310	07-08-17/1310	07-09-17/1310
TA-54-0375 Cell 3							
Calibrated infrared thermometer (6.[3])	Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: Fluke Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868
Ambient Temperature (6.[4])	Cell 3: 64.1 °F	Cell 3: 63.3 °F	Cell 3: 66.3 °F	Cell 3: 69.5 °F	Cell 3: 67.4 °F	Cell 3: 67.6 °F	Cell 3: 66.9 °F
($) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[5])	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT

Container ID #	Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)													
69519	① ② ③ ® N/A	60.7	① ② ③ ® N/A	59.6	① ② ③ ® N/A	63.1	① ② ③ ® N/A	66.0	① ② ③ ® N/A	64.0	① ② ③ ® N/A	64.9	① ② ③ ® N/A	63.2
69645	① ② ③ ® N/A	57.8	① ② ③ ® N/A	58.1	① ② ③ ® N/A	62.9	① ② ③ ® N/A	65.8	① ② ③ ® N/A	61.6	① ② ③ ® N/A	63.2	① ② ③ ® N/A	60.9
94068	① ② ③ ® N/A	62.8	① ② ③ ® N/A	61.5	① ② ③ ® N/A	65.1	① ② ③ ® N/A	68.9	① ② ③ ® N/A	65.0	① ② ③ ® N/A	66.3	① ② ③ ® N/A	64.8
93605	① ② ③ ® N/A	62.8	① ② ③ ® N/A	62.5	① ② ③ ® N/A	65.5	① ② ③ ® N/A	68.7	① ② ③ ® N/A	66.7	① ② ③ ® N/A	66.8	① ② ③ ® N/A	65.2
69548	① ② ③ ® N/A	64.0	① ② ③ ® N/A	63.1	① ② ③ ® N/A	66.3	① ② ③ ® N/A	68.9	① ② ③ ® N/A	65.8	① ② ③ ® N/A	66.4	① ② ③ ® N/A	64.7

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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 62.6	① ② ③ ® N/A 61.9	① ② ③ ® N/A 64.7	① ② ③ ® N/A 68.7	① ② ③ ® N/A 66.2	① ② ③ ® N/A 66.5	① ② ③ ® N/A 65.3
68665	① ② ③ ® N/A 60.9	① ② ③ ® N/A 61.9	① ② ③ ® N/A 64.1	① ② ③ ® N/A 67.6	① ② ③ ® N/A 64.2	① ② ③ ® N/A 64.4	① ② ③ ® N/A 63.9
69595	① ② ③ ® N/A 61.8	① ② ③ ® N/A 59.8	① ② ③ ® N/A 64.5	① ② ③ ® N/A 67.5	① ② ③ ® N/A 64.6	① ② ③ ® N/A 64.7	① ② ③ ® N/A 64.9
69036	① ② ③ ® N/A 61.3	① ② ③ ® N/A 60.2	① ② ③ ® N/A 64.2	① ② ③ ® N/A 66.2	① ② ③ ® N/A 64.9	① ② ③ ® N/A 64.8	① ② ③ ® N/A 63.4
69361	① ② ③ ® N/A 61.3	① ② ③ ® N/A 60.2	① ② ③ ® N/A 65.0	① ② ③ ® N/A 68.3	① ② ③ ® N/A 64.2	① ② ③ ® N/A 66.8	① ② ③ ® N/A 64.4
69559	① ② ③ ® N/A 63.7	① ② ③ ® N/A 63.5	① ② ③ ® N/A 65.6	① ② ③ ® N/A 68.0	① ② ③ ® N/A 66.7	① ② ③ ® N/A 66.6	① ② ③ ® N/A 65.0
69491	① ② ③ ® N/A 63.1	① ② ③ ® N/A 62.5	① ② ③ ® N/A 66.1	① ② ③ ® N/A 69.3	① ② ③ ® N/A 65.8	① ② ③ ® N/A 66.6	① ② ③ ® N/A 65.4
87827	① ② ③ ® N/A 65.0	① ② ③ ® N/A 65.0	① ② ③ ® N/A 67.6	① ② ③ ® N/A 71.5	① ② ③ ® N/A 66.2	① ② ③ ® N/A 68.6	① ② ③ ® N/A 64.6
87826	① ② ③ ® N/A 64.3	① ② ③ ® N/A 64.9	① ② ③ ® N/A 67.2	① ② ③ ® N/A 71.9	① ② ③ ® N/A 69.6	① ② ③ ® N/A 68.8	① ② ③ ® N/A 68.9
87823	① ② ③ ® N/A 65.4	① ② ③ ® N/A 66.1	① ② ③ ® N/A 68.3	① ② ③ ® N/A 71.0	① ② ③ ® N/A 69.6	① ② ③ ® N/A 66.9	① ② ③ ® N/A 68.1
87825	① ② ③ ® N/A 65.3	① ② ③ ® N/A 65.4	① ② ③ ® N/A 69.2	① ② ③ ® N/A 71.0	① ② ③ ® N/A 68.9	① ② ③ ® N/A 71.5	① ② ③ ® N/A 69.1
End Time (6.[16])	1325	1314	1345	1330	1314	1314	1314
Initial (6.[16])	WO: FA WO: VDM	WO: MZ WO:	WO: FA WO: MZ	WO: FA WO:	WO: WO: MZ	WO: WO: MZ	WO: WO: MZ

ATTACHMENT 4
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Comments:

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
Fabian Anaya	Fabian Anaya	174463	07.03.17
Valerie Martinez	Valerie Martinez	239958	07.03.17
MATTHEW ZOCCO	Matthew Zocco	311676	07.04.17
Juan Garcia		169840	07-04-17
Fabian Anaya	Fabian Anaya	174463	07-05-17
MATTHEW ZOCCO	Matthew Zocco	311676	07.05.17
Fabian Anaya	Fabian Anaya	174463	07-06-17
Juan Garcia	Juan Garcia	169840	07-06-17
MATTHEW ZOCCO	Matthew Zocco	311676	07.07.17
Juan Garcia	Juan Garcia	169840	07-07-17
MATTHEW ZOCCO	Matthew Zocco	311676	07.08.17
Juan Garcia	Juan Garcia	169840	07-08-17
MATTHEW ZOCCO	Matthew Zocco	311676	07.09.17
Juan Garcia	Juan Garcia	169840	07-09-17

10.1[2] Reviewed by:

SOM (print)	Signature	Z#	Date

ATTACHMENT 2
Page 1 of 3

WORKING COPY
Z# 100497
INITIAL EP DATE 07-16-2017

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: 07-10-17/1312		Tuesday 6.[2] Date & Start Time: 07-11-17/1325		Wednesday 6.[2] Date & Start Time: 07-12-17/1347		Thursday 6.[2] Date & Start Time: 07-13-17/1300		Friday 6.[2]Date & Start Time: 07-14-17/1300		Saturday 6.[2] Date & Start Time: 07-15-17/1300		Sunday 6.[2] Date & Start Time: 07-16-17/1300	
TA-54-0375 Cell 1														
Calibrated infrared thermometer (6.[3])	Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868		Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868		Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868		Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868		Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868		Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868		Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868	
Ambient Temperature (6.[4])	Cell 1: 69.1 °F		Cell 1: 69.6 °F		Cell 1: 69.3 °F		Cell 1: 69.6 °F		Cell 1: 65.2 °F		Cell 1: 68.9 °F		Cell 1: 68.7 °F	
($) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[5])	☑ SAT ☐ UNSAT		☑ SAT ☐ UNSAT		☑ SAT ☐ UNSAT		☑ SAT ☐ UNSAT		☑ SAT ☐ UNSAT		☑ SAT ☐ UNSAT		☑ SAT ☐ UNSAT	
Ambient Temperature (6.[7])	Refrig.: 37.4 °F		Refrig.: 41.0 °F		Refrig.: 36.0 °F		Refrig.: 35.5 °F		Refrig.: 36.0 °F		Refrig.: 37.4 °F		Refrig.: 35.9 °F	
($) Ambient Refrig. Temp.: > 32°F and ≤ 41°F; SR 4.6.2.1, SAC 5.7.24 (6.[7])	☑ SAT ☐ UNSAT		☑ SAT ☐ UNSAT		☑ SAT ☐ UNSAT		☑ SAT ☐ UNSAT		☑ SAT ☐ UNSAT		☑ SAT ☐ UNSAT		☑ SAT ☐ UNSAT	
Container ID #	**Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)**													
68685	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
68540	① ② ③ ® N/A	35.3	① ② ③ ® N/A	34.5	① ② ③ ® N/A	34.8	① ② ③ ® N/A	36.8	① ② ③ ® N/A	35.4	① ② ③ ® N/A	35.5	① ② ③ ® N/A	38.8
68553	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
69445	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

ATTACHMENT 2
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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	35.8	① ② ③ ® N/A	36.1	① ② ③ ® N/A	35.3	① ② ③ ® N/A	35.6	① ② ③ ® N/A	35.4	① ② ③ ® N/A	36.2	① ② ③ ® N/A	37.6
69490	① ② ③ ® N/A	36.5	① ② ③ ® N/A	36.9	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	36.4	① ② ③ ® N/A	37.5	① ② ③ ® N/A	35.9	① ② ③ ® N/A	35.6	① ② ③ ® N/A	36.7	① ② ③ ® N/A	36.8	① ② ③ ® N/A	38.5
69079	① ② ③ ® N/A	37.1	① ② ③ ® N/A	37.9	① ② ③ ® N/A	36.9	① ② ③ ® N/A	36.2	① ② ③ ® N/A	36.8	① ② ③ ® N/A	38.3	① ② ③ ® N/A	38.7
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	✓ ② ③ ® N/A	69.9	✓ ② ③ ® N/A	72.1	✓ ② ③ ® N/A	72.1	✓ ② ③ ® N/A	67.7	✓ ② ③ ® N/A	69.3	✓ ② ③ ® N/A	67.5	✓ ② ③ ® N/A	69.1
69520	✓ ② ③ ® N/A	68.1	✓ ② ③ ® N/A	71.2	✓ ② ③ ® N/A	70.5	✓ ② ③ ® N/A	66.4	✓ ② ③ ® N/A	66.7	✓ ② ③ ® N/A	65.6	✓ ② ③ ® N/A	67.6
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	37.0	① ② ③ ✓ N/A	38.1	① ② ③ ✓ N/A	36.7	① ② ③ ✓ N/A	36.2	① ② ③ ® ✓ N/A	36.9	① ② ③ ® ✓ N/A	36.8	① ② ③ ® ✓ N/A	38.5
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])	1317		1328		1350		1305		1305		1305		1304	
Initial (6.[16])	WO: MZ WO: LM		WO: MZ WO: VM		WO: MZ WO: LM		WO: [signature] WO: [signature]		WO: FA WO: EP		WO: FA WO: EP		WO: FA WO: EP	

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Comments:

NO Further Entry's

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
MATTHEW ZOCCO	Matthew Zocco	311676	07.10.17
Leon Montoya	[signature]	19526	07-10-17
MATTHEW ZOCCO	Matthew Zocco	311676	07-11-17
Valerie Martinez	Valerie Martinez	239958	07-11-17
MATTHEW ZOCCO	Matthew Zocco	311676	07-12-17
Leon Montoya	[signature]	19526	07-12-17
JUAN Garcia	Juan Garcia	169840	07-13-17
Leon Montoya	[signature]	19526	07-13-17
Fabian Anaya	Fabian Anaya	174963	07-14-17
Edward Pacheco	Edward Pacheco	100497	07-14-17
Fabian Anaya	Fabian Anaya	174963	07-15-17
Edward Pacheco	Edward Pacheco	100497	07-15-17
Fabian Anaya	Fabian Anaya	174963	07-16-17
Edward Pacheco	Edward Pacheco	100497	07-16-17

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; ® = 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:
	07-10-17/1318	07-11-17/1329	07-12-17/1352	07-13-17/1306	07-14-17/1306	07-15-17/1306	07-16-17/1305
TA-54-0375 Cell 2							
Calibrated infrared thermometer (6.[3])	Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868
Ambient Temperature (6.[4])	Cell 2: 63.1 °F	Cell 2: 65.4 °F	Cell 2: 64.6 °F	Cell 2: 64.3 °F	Cell 2: 63.8 °F	Cell 2: 61.4 °F	Cell 2: 64.3 °F
($) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[5])	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT
Container ID #	**Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)**						
68408	① ② ③ ® N/A	38.1	① ② ③ ® N/A	39.2	① ② ③ ® N/A	37.8	① ② ③ ® N/A	37.2	① ② ③ ® N/A	38.1	① ② ③ ® N/A	37.6	① ② ③ ® N/A	37.3
68638	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
69615	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
69635	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
69642	① ② ③ ® N/A	37.9	① ② ③ ® N/A	39.5	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
69630	① ② ③ ® N/A	64.0	① ② ③ ® N/A	66.2	① ② ③ ® N/A	66.0	① ② ③ ® N/A	63.9	① ② ③ ® N/A	63.4	① ② ③ ® N/A	62.1	① ② ③ ® N/A	64.0
69633	① ② ③ ® N/A	63.2	① ② ③ ® N/A	65.4	① ② ③ ® N/A	64.3	① ② ③ ® N/A	65.1	① ② ③ ® N/A	63.3	① ② ③ ® N/A	61.7	① ② ③ ® N/A	63.3
68430	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
68631	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
69634	① ② ③ ® N/A	57.0	① ② ③ ® N/A	59.0	① ② ③ ® N/A	57.3	① ② ③ ® N/A	58.1	① ② ③ ® N/A	56.8	① ② ③ ® N/A	56.0	① ② ③ ® N/A	57.1

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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 ✓ ③ ® N/A	58.9	① ✓ ③ ® N/A	61.7	① ✓ ③ ® N/A	60.0	① ✓ ③ ® N/A	60.2	① ✓ ③ ® N/A	60.2	① ✓ ③ ® N/A	58.5	① ✓ ③ ® N/A	60.3
94227	① ② ③ ✓ N/A	37.2	① ② ③ ✓ N/A	41.0	① ② ③ ✓ N/A	39.4	① ② ③ ✓ N/A	38.2	① ② ③ ✓ N/A	38.4	① ② ③ ✓ N/A	38.1	① ② ③ ✓ N/A	39.3
68648	① ✓ ③ ® N/A	63.8	① ✓ ③ ® N/A	64.9	① ✓ ③ ® N/A	64.3	① ✓ ③ ® N/A	63.7	① ✓ ③ ® N/A	61.9	① ✓ ③ ® N/A	60.6	① ✓ ③ ® N/A	63.0
69644	① ✓ ③ ® N/A	63.1	① ✓ ③ ® N/A	65.0	① ✓ ③ ® N/A	64.0	① ✓ ③ ® N/A	63.9	① ✓ ③ ® N/A	62.9	① ✓ ③ ® N/A	62.1	① ✓ ③ ® N/A	63.6
69183	① ✓ ③ ® N/A	63.0	① ✓ ③ ® N/A	64.6	① ✓ ③ ® N/A	64.4	① ✓ ③ ® N/A	64.9	① ✓ ③ ® N/A	63.0	① ✓ ③ ® N/A	61.0	① ✓ ③ ® N/A	FA 07-16-17 62.3
69638	① ✓ ③ ® N/A	64.0	① ✓ ③ ® N/A	65.9	① ✓ ③ ® N/A	65.0	① ✓ ③ ® N/A	63.2	① ✓ ③ ® N/A	63.5	① ✓ ③ ® N/A	61.4	① ✓ ③ ® N/A	63.4
68624	① ✓ ③ ® N/A	62.6	① ✓ ③ ® N/A	64.7	① ✓ ③ ® N/A	65.2	① ✓ ③ ® N/A	62.8	① ✓ ③ ® N/A	62.0	① ✓ ③ ® N/A	60.5	① ✓ ③ ® N/A	62.5
68507	① ✓ ③ ® N/A	62.2	① ✓ ③ ® N/A	63.7	① ✓ ③ ® N/A	63.5	① ✓ ③ ® N/A	63.0	① ✓ ③ ® N/A	63.0	① ✓ ③ ® N/A	60.7	① ✓ ③ ® N/A	62.8
69568	① ② ③ ✓ N/A	36.9	① ② ③ ✓ N/A	42.0	① ② ③ ✓ N/A	41.1	① ② ③ ✓ N/A	39.7	① ② ③ ✓ N/A	39.9	① ② ③ ✓ N/A	35.6	① ② ③ ✓ N/A	36.7
69553	① ✓ ③ ® N/A	60.9	① ✓ ③ ® N/A	63.7	① ✓ ③ ® N/A	63.3	① ✓ ③ ® N/A	61.5	① ✓ ③ ® N/A	61.9	① ✓ ③ ® N/A	59.5	① ✓ ③ ® N/A	60.6
69598	① ✓ ③ ® N/A	59.3	① ✓ ③ ® N/A	61.5	① ✓ ③ ® N/A	60.3	① ✓ ③ ® N/A	59.4	① ✓ ③ ® N/A	60.1	① ✓ ③ ® N/A	57.9	① ✓ ③ ® N/A	59.7
92472	① ✓ ③ ® N/A	59.6	① ✓ ③ ® N/A	62.2	① ✓ ③ ® N/A	61.1	① ② ③ ✓ N/A	39.7	① ② ③ ✓ N/A	38.4	① ② ③ ✓ N/A	38.2	① ② ③ ✓ N/A	37.0
92459	① ✓ ③ ® N/A	59.3	① ✓ ③ ® N/A	61.3	① ✓ ③ ® N/A	61.1	① ② ③ ✓ N/A	39.6	① ② ③ ✓ N/A	38.9	① ② ③ ✓ N/A	37.7	① ② ③ ✓ N/A	37.2
69015	① ✓ ③ ® N/A	62.5	① ✓ ③ ® N/A	63.5	① ✓ ③ ® N/A	63.6	① ✓ ③ ® N/A	60.8	① ✓ ③ ® N/A	60.9	① ✓ ③ ® N/A	59.7	① ✓ ③ ® N/A	61.1
69639	① ✓ ③ ® N/A	63.0	① ✓ ③ ® N/A	65.2	① ✓ ③ ® N/A	64.9	① ✓ ③ ® N/A	63.8	① ✓ ③ ® N/A	62.2	① ✓ ③ ® N/A	61.5	① ✓ ③ ® N/A	62.7
69637	① ✓ ③ ® N/A	64.0	① ✓ ③ ® N/A	64.9	① ✓ ③ ® N/A	65.3	① ✓ ③ ® N/A	61.2	① ✓ ③ ® N/A	62.3	① ✓ ③ ® N/A	61.6	① ✓ ③ ® N/A	62.5
End Time (6.[16])	1322		1332		1356		1310		1311		1310		1309	
Initial (6.[16])	WO: MZ WO: LM		WO: MZ WO: VDM		WO: MZ WO: LM		WO: [illegible] WO: LM		WO: FA WO: EP		WO: FA WO: EP		WO: FA WO: EP	

ATTACHMENT 3
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Comments:

No Further Entry's

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
MATTHEW ZOCCO	Matthew Zocco	311676	07.10.17
Leon Montoya	Leon Montoya	191526	07-10-17
MATTHEW ZOCCO	Matthew Zocco	311676	07.11.17
Valerie Martinez	Valerie Martinez	239158	07.11.17
MATTHEW ZOCCO	Matthew Zocco	311676	07.12.17
Leon Montoya	Leon Montoya	191526	07-12-17
Juan Garcia	Juan Garcia	169840	07-13-17
Leon Montoya	Leon Montoya	191526	07-13-17
Fabian Anaya	Fabian Anaya	174963	07-14-17
Edward Pacheco	Edward Pacheco	100497	07-14-17
Fabian Anaya	Fabian Anaya	174963	07-15-17
Edward Pacheco	Edward Pacheco	100497	07-15-17
Fabian Anaya	Fabian Anaya	174963	07-16-17
Edward Pacheco	Edward Pacheco	100497	07-16-17

10.1[2] Reviewed by:

SOM (print)	Signature	Z#	Date

ATTACHMENT 4
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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; ® = 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:
	07-10-17/1323	07-11-17/1333	07-12-17/1357	07-13-17/1312	07-14-17/1314	07-15-17/1311	07-16-17/1310
TA-54-0375 Cell 3							
Calibrated infrared thermometer (6.[3])	Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: Fluke Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: Fluke Model: 561 Cal. Due Date: 12-19-17 File Number 103868
Ambient Temperature (6.[4])	Cell 3: 66.2 °F	Cell 3: 68.2 °F	Cell 3: 67.5 °F	Cell 3: 66.3 °F	Cell 3: 65.9 °F	Cell 3: 65.2 °F	Cell 3: 65.6 °F
($) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[5])	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT
Container ID #	**Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)**						
69519	① ② ③ ® N/A	63.6	① ② ③ ® N/A	65.1	① ② ③ ® N/A	65.0	① ② ③ ® N/A	63.1	① ② ③ ® N/A	63.2	① ② ③ ® N/A	62.9	① ② ③ ® N/A	64.0
69645	① ② ③ ® N/A	62.2	① ② ③ ® N/A	64.7	① ② ③ ® N/A	64.8	① ② ③ ® N/A	60.9	① ② ③ ® N/A	61.0	① ② ③ ® N/A	59.7	① ② ③ ® N/A	62.3
94068	① ② ③ ® N/A	66.4	① ② ③ ® N/A	67.7	① ② ③ ® N/A	68.1	① ② ③ ® N/A	64.7	① ② ③ ® N/A	64.6	① ② ③ ® N/A	63.3	① ② ③ ® N/A	67.0
93605	① ② ③ ® N/A	65.9	① ② ③ ® N/A	67.2	① ② ③ ® N/A	68.0	① ② ③ ® N/A	65.0	① ② ③ ® N/A	64.8	① ② ③ ® N/A	62.6	① ② ③ ® N/A	65.6
69548	① ② ③ ® N/A	67.4	① ② ③ ® N/A	68.3	① ② ③ ® N/A	69.5	① ② ③ ® N/A	65.2	① ② ③ ® N/A	65.3	① ② ③ ® N/A	64.8	① ② ③ ® N/A	65.8

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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 ✓ ® N/A 66.7	① ② ✓ ® N/A 67.9	① ② ✓ ® N/A 68.3	① ② ✓ ® N/A 64.2	① ② ✓ ® N/A 63.5	① ② ✓ ® N/A 62.3	① ② ✓ ® N/A 64.5
68665	① ② ✓ ® N/A 65.4	① ② ✓ ® N/A 67.0	① ② ✓ ® N/A 67.6	① ② ✓ ® N/A 62.2	① ② ✓ ® N/A 62.0	① ② ✓ ® N/A 61.8	① ② ✓ ® N/A 63.3
69595	① ② ✓ ® N/A 65.3	① ② ✓ ® N/A 65.9	① ② ✓ ® N/A 66.9	① ② ✓ ® N/A 62.9	① ② ✓ ® N/A 62.8	① ② ✓ ® N/A 62.0	① ② ✓ ® N/A 64.7
69036	① ② ✓ ® N/A 63.4	① ② ✓ ® N/A 65.7	① ② ✓ ® N/A 66.1	① ② ✓ ® N/A 63.8	① ② ✓ ® N/A 63.2	① ② ✓ ® N/A 63.7	① ② ✓ ® N/A 63.8
69361	① ② ✓ ® N/A 64.7	① ② ✓ ® N/A 66.5	① ② ✓ ® N/A 67.0	① ② ✓ ® N/A 63.7	① ② ✓ ® N/A 63.1	① ② ✓ ® N/A 62.3	① ② ✓ ® N/A 64.6
69559	① ② ✓ ® N/A 65.7	① ② ✓ ® N/A 68.0	① ② ✓ ® N/A 67.3	① ② ✓ ® N/A 64.4	① ② ✓ ® N/A 64.7	① ② ✓ ® N/A 62.4	① ② ✓ ® N/A 64.8
69491	① ② ✓ ® N/A 67.9	① ② ✓ ® N/A 68.7	① ② ✓ ® N/A 68.6	① ② ✓ ® N/A 64.2	① ② ✓ ® N/A 64.4	① ② ✓ ® N/A 63.5	① ② ✓ ® N/A 66.1
87827	① ② ✓ ® N/A 68.0	① ② ✓ ® N/A 70.2	① ② ✓ ® N/A 69.5	① ② ✓ ® N/A 65.0	① ② ✓ ® N/A 66.8	① ② ✓ ® N/A 66.8	① ② ✓ ® N/A 68.3
87826	① ② ✓ ® N/A 66.8	① ② ✓ ® N/A 69.4	① ② ✓ ® N/A 68.1	① ② ✓ ® N/A 66.2	① ② ✓ ® N/A 66.3	① ② ✓ ® N/A 66.7	① ② ✓ ® N/A 67.7
87823	① ② ✓ ® N/A 68.8	① ② ✓ ® N/A 69.5	① ② ✓ ® N/A 70.6	① ② ✓ ® N/A 68.4	① ② ✓ ® N/A 67.0	① ② ✓ ® N/A 67.1	① ② ✓ ® N/A 68.1
87825	① ② ✓ ® N/A 68.6	① ② ✓ ® N/A 69.0	① ② ✓ ® N/A 70.3	① ② ✓ ® N/A 67.1	① ② ✓ ® N/A 66.8	① ② ✓ ® N/A 67.5	① ② ✓ ® N/A 68.9
End Time (6.[16])	1326	1336	1401	1315	1317	1315	1315
Initial (6.[16])	WO: MZ WO: cm	WO: MZ WO: VDM	WO: MZ WO: cm	WO: [illegible] WO: cm	WO: FA WO: EP	WO: FA WO: EP	WO: FA WO: EP

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Comments:

No Further Entry's

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
MATTHEW ZOCCO		311676	07.10.17
Leon montoya		191526	07.10.17
MATTHEW ZOCCO		311676	07.11.17
Valerie Martinez	Valerie Martinez	239958	07.11.17
MATTHEW ZOCCO		311676	07.12.17
Leon montoya		191526	07-12-17
Juan Garcia		169840	07-13-17
Leon montoya		191526	07-13-17
Fabian Anaya	Fabian Anaya	174963	07-14-17
Edward Pacheco	Edward Pacheco	100497	07-14-17
Fabian Anaya	Fabian Anaya	174963	07-15-17
Edward Pacheco	Edward Pacheco	100497	07-15-17
Fabian Anaya	Fabian Anaya	174963	07-16-17
Edward Pacheco	Edward Pacheco	100497	07-16-17

10.1[2] Reviewed by:

SOM (print)	Signature	Z#	Date

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: 07-17-17 / 1301	Tuesday 6.[2] Date & Start Time: 07-18-17 / 1300	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: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868	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: 67.7 °F	Cell 1: 64.5 °F	Cell 1: _____ °F	Cell 1: _____ °F	Cell 1: _____ °F	Cell 1: _____ °F	Cell 1: _____ °F
($) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[5])	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☐ SAT ☐ UNSAT	☐ SAT ☐ UNSAT	☐ SAT ☐ UNSAT	☐ SAT ☐ UNSAT	☐ SAT ☐ UNSAT
Ambient Temperature (6.[7])	Refrig.: 36.5 °F	Refrig.: 34.8 °F	Refrig.: _____ °F	Refrig.: _____ °F	Refrig.: _____ °F	Refrig.: _____ °F	Refrig.: _____ °F
($) Ambient Refrig. Temp.: > 32°F and ≤ 41°F; SR 4.6.2.1, SAC 5.7.24 (6.[7])	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☐ SAT ☐ UNSAT	☐ SAT ☐ UNSAT	☐ SAT ☐ UNSAT	☐ SAT ☐ UNSAT	☐ SAT ☐ UNSAT
Container ID #	**Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)**						
68685	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
68540	① ② ③ ● N/A 34.8	① ② ③ ® N/A 35.8	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
68553	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
69445	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

WORKING COPY
Z# 169840
INITIAL _____ DATE 07-17-17

ATTACHMENT 2
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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		① ② ③ ® N/A		① ② ③ ® N/A		① ② ③ ® N/A		① ② ③ ® N/A	
69013	① ② ③ ● N/A	39.0	① ② ③ ® N/A	36.6	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	
69490	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	
69076	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	
69280	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	
69208	① ② ③ ● N/A	36.4	① ② ③ ® N/A	37.2 36.4	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	
69079	① ② ③ ● N/A	37.5	① ② ③ ® N/A	37.2 37.1	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	
69636	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	
69616	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	
69417	N/A		N/A		N/A		N/A		N/A		N/A		N/A	
69620	✓ ② ③ ® N/A	70.5	✓ ② ③ ® N/A	69.2	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	
69520	✓ ② ③ ® N/A	69.4	✓ ② ③ ® N/A	68.9	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	
69641	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	
69298	① ② ③ ● N/A	39.5	① ② ③ ® N/A	38.2	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	
92669	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])	1307		1307											
Initial (6.[16])	WO: Lm WO: JW		WO: Lm WO: MZ		WO: WO:		WO: WO:		WO: WO:		WO: WO:		WO: WO:	

ATTACHMENT 2
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Comments:

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
Luis Montoya		19526	7/17/17
Juan Garcia		169840	07-17-17
Luis Montoya		19526	07.18.17
MATTHEW ZOCCO		31676	07.18.17

10.1[2] Reviewed by:

SOM (print)	Signature	Z#	Date

ATTACHMENT 3
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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; ® = 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:
	7-17-17/1309	07-18-17/1308					
TA-54-0375 Cell 2							
Calibrated infrared thermometer (6.[3])	Brand: Fluke Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868	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: 64.7 °F	Cell 2: 65.6 °F	Cell 2: _____ °F	Cell 2: _____ °F	Cell 2: _____ °F	Cell 2: _____ °F	Cell 2: _____ °F
($) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[5])	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☐ SAT ☐ UNSAT	☐ SAT ☐ UNSAT	☐ SAT ☐ UNSAT	☐ SAT ☐ UNSAT	☐ SAT ☐ UNSAT
Container ID #	**Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)**						
68408	① ② ③ ● N/A	39.7	① ② ③ ✓ N/A	35.9	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
68638	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
69615	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
69635	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
69642	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
69630	① ✓ ③ ® N/A	65.0	① ✓ ③ ® N/A	65.0	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
69633	① ✓ ③ ® N/A	64.5	① ✓ ③ ® N/A	64.1	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
68430	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
68631	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
69634	① ✓ ③ ® N/A	60.1	① ✓ ③ ® N/A	57.5	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

ATTACHMENT 3
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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	60.6	① ② ③ ® N/A	60.9	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	
94227	① ② ③ ● N/A	39.9	① ② ③ ® N/A	34.9	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	
68648	① ② ③ ® N/A	64.0	① ② ③ ® N/A	63.8	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	
69644	① ② ③ ® N/A	64.1	① ② ③ ® N/A	64.6	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	
69183	① ② ③ ® N/A	64.2	① ② ③ ® N/A	63.9	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	
69638	① ② ③ ® N/A	64.5	① ② ③ ® N/A	64.2	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	
68624	① ② ③ ® N/A	64.5	① ② ③ ® N/A	63.7	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	
68507	① ② ③ ® N/A	62.7	① ② ③ ® N/A	62.9	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	
69568	① ② ③ ● N/A	39.7	① ② ③ ® N/A	33.8	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	
69553	① ② ③ ® N/A	61.5	① ② ③ ® N/A	61.8	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	
69598	① ② ③ ® N/A	60.3	① ② ③ ® N/A	60.4	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	
92472	① ② ③ ● N/A	39.8	① ② ③ ® N/A	35.2	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	
92459	① ② ③ ● N/A	39.5	① ② ③ ® N/A	34.4	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	
69015	① ② ③ ® N/A	62.9	① ② ③ ® N/A	64.3	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	
69639	① ② ③ ® N/A	63.8	① ② ③ ® N/A	64.4	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	
69637	① ② ③ ® N/A	63.6	① ② ③ ® N/A	63.7	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])	1314	1320					
Initial (6.[16])	WO: CM WO: AM	WO: CM WO: MZ	WO: WO:	WO: WO:	WO: WO:	WO: WO:	WO: WO:

ATTACHMENT 3
Page 3 of 3

Comments:

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
Leon Montoya		191526	07-17-17
Juan Garcia		169840	07-17-17
Leon Montoya		191526	07-18-17
MATTHEW ZOCCO		311676	07-18-17

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; ® = 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:
	2-17-17/1315	07.18.17/1321					
TA-54-0375 Cell 3							
Calibrated infrared thermometer (6.[3])	Brand: Fluke Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: FLUKE Model: 561 Cal. Due Date: 12-19-17 File Number 103868	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: 67.2 °F	Cell 3: 67.2 °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])	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☐ SAT ☐ UNSAT	☐ SAT ☐ UNSAT	☐ SAT ☐ UNSAT	☐ SAT ☐ UNSAT	☐ SAT ☐ UNSAT
Container ID #	**Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)**						
69519	① ② ③✓ ® N/A	63.9	① ② ③✓ ® N/A	63.9	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
69645	① ② ③✓ ® N/A	65.0	① ② ③✓ ® N/A	63.0	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
94068	① ② ③✓ ® N/A	66.0	① ② ③✓ ® N/A	65.7	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
93605	① ② ③✓ ® N/A	66.6	① ② ③✓ ® N/A	66.1	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
69548	① ② ③✓ ® N/A	66.1	① ② ③✓ ® N/A	66.8	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

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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 65.4	① ② ③ ® N/A 65.7	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 64.1	① ② ③ ® N/A 64.3	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 64.3	① ② ③ ® N/A 65.1	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 64.5	① ② ③ ® N/A 65.5	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 65.0	① ② ③ ® N/A 65.6	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 65.4	① ② ③ ® N/A 67.3	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 65.6	① ② ③ ® N/A 66.9	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 68.5	① ② ③ ® N/A 68.9	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 67.1	① ② ③ ® N/A 68.3	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 68.2	① ② ③ ® N/A 69.3	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 69.1	① ② ③ ® N/A 69.8	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])	1321	1325					
Initial (6.[16])	WO: [illegible] WO: [illegible]	WO: LM WO: MZ	WO: WO:	WO: WO:	WO: WO:	WO: WO:	WO: WO:

ATTACHMENT 4
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Comments:

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
Leon Montoya		191526	7/17/17
Juan Garcia		169840	07-17-17
Leon Montoya		191526	07/18/17
MATTHEW ZOCCO		311676	07.18.17

Waste Operator (print)	Signature	Z#	Date

10.1[2] Reviewed by:

SOM (print)	Signature	Z#	Date

TSR - INSIDE ROUNDS — Period Covered (mm/dd/yy) 6/19/2017 to 6/25/2017

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	LA000000 69041	SAT / UNSAT / NA	SAT / UNSAT / NA	42.1 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA000000 69076	SAT / UNSAT / NA	SAT / UNSAT / NA	40.5 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA000000 68430	SAT / UNSAT / NA	SAT / UNSAT / NA	40.0 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
Tue	LA000000 69076	SAT / UNSAT / NA	SAT / UNSAT / NA	40.3 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA000000 68430	SAT / UNSAT / NA	SAT / UNSAT / NA	40.0 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	NA	SAT / UNSAT / NA	SAT / UNSAT / NA	NA °F	SAT / UNSAT / NA	SAT / UNSAT / NA
Wed	LA000000 69076	SAT / UNSAT / NA	SAT / UNSAT / NA	39.9 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA000000 68430	SAT / UNSAT / NA	SAT / UNSAT / NA	39.5 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	NA	SAT / UNSAT / NA	SAT / UNSAT / NA	NA °F	SAT / UNSAT / NA	SAT / UNSAT / NA
Thur	LA000000 68430	SAT / UNSAT / NA	SAT / UNSAT / NA	38.5 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	NA	SAT / UNSAT / NA	SAT / UNSAT / NA	NA °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	NA	SAT / UNSAT / NA	SAT / UNSAT / NA	NA °F	SAT / UNSAT / NA	SAT / UNSAT / NA
Fri	LA000000 68430	SAT / UNSAT / NA	SAT / UNSAT / NA	34.4 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	NA	SAT / UNSAT / NA	SAT / UNSAT / NA	NA °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	NA	SAT / UNSAT / NA	SAT / UNSAT / NA	NA °F	SAT / UNSAT / NA	SAT / UNSAT / NA
Sat	LA000000 68430	SAT / UNSAT / NA	SAT / UNSAT / NA	40.6 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	NA	SAT / UNSAT / NA	SAT / UNSAT / NA	NA °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	NA	SAT / UNSAT / NA	SAT / UNSAT / NA	NA °F	SAT / UNSAT / NA	SAT / UNSAT / NA
Sun	LA000000 68430	SAT / UNSAT / NA	SAT / UNSAT / NA	41 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	NA	SAT / UNSAT / NA	SAT / UNSAT / NA	NA °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	NA	SAT / UNSAT / NA	SAT / UNSAT / NA	NA °F	SAT / UNSAT / NA	SAT / UNSAT / NA

TSR - INSIDE ROUNDS Period Covered (mm/dd/yy) 6/26/2017 to 7/2/2017

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	LA000000 68430	SAT / UNSAT / NA	SAT / UNSAT / NA	41.0 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	NA	SAT / UNSAT / NA	SAT / UNSAT / NA	NA °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	NA	SAT / UNSAT / NA	SAT / UNSAT / NA	NA °F	SAT / UNSAT / NA	SAT / UNSAT / NA
Tue	LA000000 69616	SAT / UNSAT / NA	SAT / UNSAT / NA	40.6 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA000000 68631	SAT / UNSAT / NA	SAT / UNSAT / NA	40.5 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA000000 68430	SAT / UNSAT / NA	SAT / UNSAT / NA	40.0 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
Wed	LA000000 69616	SAT / UNSAT / NA	SAT / UNSAT / NA	40.7 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA000000 68631	SAT / UNSAT / NA	SAT / UNSAT / NA	39.8 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA000000 68430	SAT / UNSAT / NA	SAT / UNSAT / NA	39.3 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
Thur	LA000000 68430	SAT / UNSAT / NA	SAT / UNSAT / NA	39.5 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA000000 69616	SAT / UNSAT / NA	SAT / UNSAT / NA	40.4 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	NA	SAT / UNSAT / NA	SAT / UNSAT / NA	NA °F	SAT / UNSAT / NA	SAT / UNSAT / NA
Fri	LA000000 69616	SAT / UNSAT / NA	SAT / UNSAT / NA	39.5 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA000000 68430	SAT / UNSAT / NA	SAT / UNSAT / NA	39.1 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	NA	SAT / UNSAT / NA	SAT / UNSAT / NA	NA °F	SAT / UNSAT / NA	SAT / UNSAT / NA
Sat	LA000000 68430	SAT / UNSAT / NA	SAT / UNSAT / NA	39.6 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	NA	SAT / UNSAT / NA	SAT / UNSAT / NA	NA °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	NA	SAT / UNSAT / NA	SAT / UNSAT / NA	NA °F	SAT / UNSAT / NA	SAT / UNSAT / NA
Sun	LA000000 68430	SAT / UNSAT / NA	SAT / UNSAT / NA	40.5 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	N/A	SAT / UNSAT / NA	SAT / UNSAT / NA	N/A °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	N/A	SAT / UNSAT / NA	SAT / UNSAT / NA	N/A °F	SAT / UNSAT / NA	SAT / UNSAT / NA

TSR - INSIDE ROUNDS — Period Covered (mm/dd/yy) 07/03/2017 to 07/09/2017

Item	Equipment Checked	Min	Max	Measurement	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
59	(a) 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] (a) Container Integrity (IP IV.7)	5.[13] (S) PRDwSF intact and not obstructed (DF 6.2.3)	5.[15] (a) 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	LA000000 68430	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA	39.9 °F	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA
	NA	SAT / UNSAT / (NA)	SAT / UNSAT / (NA)	NA °F	SAT / UNSAT / (NA)	SAT / UNSAT / (NA)
	NA	SAT / UNSAT / (NA)	SAT / UNSAT / (NA)	NA °F	SAT / UNSAT / (NA)	SAT / UNSAT / (NA)
Tue	LA000000 68430	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA	39.9 °F	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA
	NA	SAT / UNSAT / (NA)	SAT / UNSAT / (NA)	NA °F	SAT / UNSAT / (NA)	SAT / UNSAT / (NA)
	NA	SAT / UNSAT / (NA)	SAT / UNSAT / (NA)	NA °F	SAT / UNSAT / (NA)	SAT / UNSAT / (NA)
Wed	LA000000 68430	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA	40.6 °F	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA
	NA	SAT / UNSAT / (NA)	SAT / UNSAT / (NA)	NA °F	SAT / UNSAT / (NA)	SAT / UNSAT / (NA)
	NA	SAT / UNSAT / (NA)	SAT / UNSAT / (NA)	NA °F	SAT / UNSAT / (NA)	SAT / UNSAT / (NA)
Thur	LA000000 68430	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA	40.0 °F	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA
	NA	SAT / UNSAT / (NA)	SAT / UNSAT / (NA)	NA °F	SAT / UNSAT / (NA)	SAT / UNSAT / (NA)
	NA	SAT / UNSAT / (NA)	SAT / UNSAT / (NA)	NA °F	SAT / UNSAT / (NA)	SAT / UNSAT / (NA)
Fri	LA000000 69635	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA	40.9 °F	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA
	LA000000 69635	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA	40.1 °F	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA
	LA000000 68430	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA	39.9 °F	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA
Sat	LA000000 69635	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA	39.6 °F	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA
	LA000000 68430	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA	39.5 °F	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA
	NA	SAT / UNSAT / (NA)	SAT / UNSAT / (NA)	NA °F	SAT / UNSAT / (NA)	SAT / UNSAT / (NA)
Sun	LA000000 69635	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA	39.6 °F	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA
	LA000000 68430	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA	39.7 °F	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA
	NA	SAT / UNSAT / (NA)	SAT / UNSAT / (NA)	NA °F	SAT / UNSAT / (NA)	SAT / UNSAT / (NA)

TSR - INSIDE ROUNDS — Period Covered (mm/dd/yy) 07/10/2017 to 07/16/2017

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	68430	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA	41.4 °F	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA
	69635	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA	41.6 °F	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA
	N/A	SAT / UNSAT / (NA)	SAT / UNSAT / (NA)	N/A °F	SAT / UNSAT / (NA)	SAT / UNSAT / (NA)
Tue	LA0000006963 5	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA	40.1 °F	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA
	LA0000006843 0	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA	39.5 °F	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA
	NA	SAT / UNSAT / (NA)	SAT / UNSAT / (NA)	NA °F	SAT / UNSAT / (NA)	SAT / UNSAT / (NA)
Wed	LA0000006D430	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA	42.4 °F	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA
	N/A	SAT / UNSAT / (NA)	SAT / UNSAT / (NA)	N/A °F	SAT / UNSAT / (NA)	SAT / UNSAT / (NA)
	N/A	SAT / UNSAT / (NA)	SAT / UNSAT / (NA)	N/A °F	SAT / UNSAT / (NA)	SAT / UNSAT / (NA)
Thur	LA0000006 9642	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA	40.3 °F	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA
	LA0000006843 0	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA	40.7 °F	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA
	NA	SAT / UNSAT / (NA)	SAT / UNSAT / (NA)	NA °F	SAT / UNSAT / (NA)	SAT / UNSAT / (NA)
Fri	LA0000006 9642	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA	42.7 °F	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA
	LA0000006P426	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA	44.3 °F	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA
	N/A	SAT / UNSAT / (NA)	SAT / UNSAT / (NA)	N/A °F	SAT / UNSAT / (NA)	SAT / UNSAT / (NA)
Sat	LA0000006 9642	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA	42.3 °F	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA
	LA0000006 8430	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA	42.1 °F	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA
	NA	SAT / UNSAT / (NA)	SAT / UNSAT / (NA)	NA °F	SAT / UNSAT / (NA)	SAT / UNSAT / (NA)
Sun	LA0000006 8430	SAT / UNSAT / NA	(SAT) / UNSAT / NA	40.3 °F	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA
	LA0000006 9642	SAT / UNSAT / NA	(SAT) / UNSAT / NA	41.5 °F	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA
	NA	SAT / UNSAT / NA	SAT / UNSAT / (NA)	NA °F	SAT / UNSAT / (NA)	SAT / UNSAT / (NA)

TSR - INSIDE ROUNDS							Period Covered (mm/dd/yy) 7/17/2017 to 7/23/2017				
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	LA000000 69642	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA	41.3 °F	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA
	LA000000 68430	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA	40.9 °F	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA
	NA	SAT / UNSAT / (NA)	SAT / UNSAT / (NA)	NA °F	SAT / UNSAT / (NA)	SAT / UNSAT / (NA)
Tue	LA000000 69642	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA	40.9 °F	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA
	LA000000 68430	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA	40.7 °F	(SAT) / UNSAT / NA	(SAT) / UNSAT / NA
	NA	SAT / UNSAT / (NA)	SAT / UNSAT / (NA)	NA °F	SAT / UNSAT / (NA)	SAT / UNSAT / (NA)
Wed		SAT / UNSAT / NA	SAT / UNSAT / NA	°F	SAT / UNSAT / NA	SAT / UNSAT / NA
		SAT / UNSAT / NA	SAT / UNSAT / NA	°F	SAT / UNSAT / NA	SAT / UNSAT / NA
		SAT / UNSAT / NA	SAT / UNSAT / NA	°F	SAT / UNSAT / NA	SAT / UNSAT / NA
Thur		SAT / UNSAT / NA	SAT / UNSAT / NA	°F	SAT / UNSAT / NA	SAT / UNSAT / NA
		SAT / UNSAT / NA	SAT / UNSAT / NA	°F	SAT / UNSAT / NA	SAT / UNSAT / NA
		SAT / UNSAT / NA	SAT / UNSAT / NA	°F	SAT / UNSAT / NA	SAT / UNSAT / NA
Fri		SAT / UNSAT / NA	SAT / UNSAT / NA	°F	SAT / UNSAT / NA	SAT / UNSAT / NA
		SAT / UNSAT / NA	SAT / UNSAT / NA	°F	SAT / UNSAT / NA	SAT / UNSAT / NA
		SAT / UNSAT / NA	SAT / UNSAT / NA	°F	SAT / UNSAT / NA	SAT / UNSAT / NA
Sat		SAT / UNSAT / NA	SAT / UNSAT / NA	°F	SAT / UNSAT / NA	SAT / UNSAT / NA
		SAT / UNSAT / NA	SAT / UNSAT / NA	°F	SAT / UNSAT / NA	SAT / UNSAT / NA
		SAT / UNSAT / NA	SAT / UNSAT / NA	°F	SAT / UNSAT / NA	SAT / UNSAT / NA
Sun		SAT / UNSAT / NA	SAT / UNSAT / NA	°F	SAT / UNSAT / NA	SAT / UNSAT / NA
		SAT / UNSAT / NA	SAT / UNSAT / NA	°F	SAT / UNSAT / NA	SAT / UNSAT / NA
		SAT / UNSAT / NA	SAT / UNSAT / NA	°F	SAT / UNSAT / NA	SAT / UNSAT / NA