From: Juarez, Catherine L
Sent: Wednesday, June 21, 2017 3:37 PM
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Subject: Monthly Technical Summary May 18, 2017 – June 21, 2017

Linked below is the written monthly technical summary May 18, 2017 – June 21, 2017. Summaries are due the third Wednesday of each month. The Permittees are submitting the attached information pursuant to: Section 19 of the May 19, 2014, *Administrative Order;* the letters from NMED dated July 10, 2014; April 27, 2015; May 8, 2015; and August 12, 2015 regarding *Modification to May 19, 2014, Administrative Order*; and Section X of the *LANL Nitrate Salt-Bearing Waste Container Isolation Plan, Revision 8,* approved on April 20, 2017.

Click on the link below to download the associated file using your web browser.

1. NMED monthly written summary June 21, 2017.pdf (27.6 MB)

Please remember the following:

- **Be wary of unexpected files as they may contain malware.**
- Files are automatically deleted 10 days after being uploaded.

Cathy Juarez for
Mark Haagenstad
EPC-CP

NMED / LANL Technical Summary

May 18, 2017 – June 21, 2017

Participants:

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

LANL Technical Update:

- **Location of Nitrate Salt-Bearing Wastes**
    - Remediated nitrate salt-bearing waste containers (56 55-gallon containers, and 4 85 gallon overpacked POCs).
        - Ten 55- gallon containers are located within the refrigerator attached to the 375 Permacon.
        - Two containers are located in the refrigerator within the Waste Characterization Reduction and Repackaging Facility (WCRRF).
        - Eight 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 (39) remain in the 375 Permacon.

- **Monitoring - Daily Temperature**
    - Temperatures are currently below 75 °F.
        - Previous month's temperature data attached.
        - Data included is for 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)**
    - Containers (SWBs) 68685 and 69490 (formerly overpacked into SB50522) continued daily head space gas (HSG) sample collection.
        - May 17, 2017 – June 20, 2017 HSG data (H_2, CO, CO_2 and N_2O) attached.
        - HSG data for 68685 ends on June 13, 2017 because the waste within the container began treatment that day.
    - Other containers:
        - A minimum of once per month HSG sampling is conducted on 55-gallon drums or overpack containers.
            - Through June 20, 2017, HSG sampling is complete for the month on 46 containers.
                - May 20, 2017 – June 20, 2017 HSG data (H_2, CO, CO_2 and N_2O) attached.

- **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 May 2017 and June 2017.
    - Graphical depictions of HSG data are attached for the two containers required to be sampled daily and the five other containers that are currently 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 container that is no longer HSG 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
        - Treatment/Segregation of waste

Other:

Next Call: Wednesday, July 19, 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
05/17/17	32	39	832	89	0															
05/18/17	236	662	5864	1124	24	311	1316	23749	3363		258	1168	16678	1117	37	369	1120	18818	3138	22
05/19/17	239	764	5588	1080	19															
05/20/17	261	528	5849	1188	24															
05/21/17	257	555	5870	1116	26															
05/22/17	262	628	5845	1128	24															
05/23/17	239	579	5949	1089	22	293	1234	21632	3090	32	197	845	10862	708	24	372	1178	18201	3025	18
05/24/17	260	561	5751	1126	24															
05/25/17	261	559	6067	1226	28	214	1110	18114	2583	20	198	697	10586	700	23	381	1157	19020	3143	14
05/26/17	264	704	5756	1075	25															
05/27/17	264	564	5968	1197	29															
05/28/17	272	682	6083	1240	28															
05/29/17	258	497	5852	1201	24															
05/30/17	220	496	4934	1036	23	262	1138	22127	3028	18	209	582	9863	586	22	365	1207	19666	3198	18
05/31/17	272	545	6074	1253	27															
06/01/17	227	474	5366	1097	23	278	1267	23091	3183	25	206	563	9578	538	22	347	1102	18930	3040	21
06/02/17	240	501	5568	1121	22															
06/03/17	269	547	6140	1186	24															
06/04/17	275	537	6282	1214	30															
06/05/17	265	506	6003	1252	24	249	1217	22515	3083	19	219	599	9641	515	24					
06/06/17	262	517	6211	1278	25											369	1291	21032	3358	20
06/07/17	278	539	6336	1318	19											386	1288	22515	3690	17
06/08/17	226	555	6171	1218	29	302	1361	26276	3668	19	234	678	9730	558	28	493	1445	24530	4016	20
06/09/17	253	573	6005	1195	30															
06/10/17	260	519	6207	1329	27															
06/11/17	251	565	6473	1374	26															
06/12/17	277	595	7265	1547	29	318	1414	28896	4122	21	234	623	9563	515	28	315	994	15155	2582	17
06/13/17																				
06/14/17																				
06/15/17						317	1419	28330	4102	15	209	548	9101	507	24	319	933	13551	2231	14
06/16/17																				
06/17/17																				
06/18/17																				
06/19/17						302	1284	26184	3961	15	225	576	9680	474	18	209	508	7848	1270	10
06/20/17											213	600	8890	478	7					

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
05/17/17											853	1758	22864	5368	30					
05/18/17	865	1785	23926	2673	23	439	1334	18618	2497	18	870	1740	22968	5367	25					
05/19/17											796	1716	21440	5013	35					
05/20/17											873	1768	22876	5300	29					
05/21/17											881	1993	23172	5410	28					
05/22/17						423	1401	18164	2359	19	827	1677	21538	5006	29	224	926	9208	1817	14
05/23/17	807	1720	23049	2602	25	440	1250	19196	2449	22	841	1746	21844	5161	24					
05/24/17											713	1594	19963	4645	29					
05/25/17	851	1710	23773	2650	27	402	1401	17001	2311	17	735	1521	19134	4502	30					
05/26/17											669	1361	16951	3903	24					
05/27/17											571	1109	13855	3235	24					
05/28/17											651	1221	15331	3466	32					
05/29/17											677	1353	15162	3494	27					
05/30/17	869	1735	24535	2713	19	390	939	13439	1797	21	686	1208	15445	3432	25					
05/31/17											400	783	8451	1850	18					
06/01/17	750	1567	21754	2389	22	378	921	12527	1598	10	543	964	11729	2543	19					
06/02/17											705	1147	13607	2919	21					
06/03/17											711	1125	13267	2859	21					
06/04/17											713	1097	12837	2769	25					
06/05/17	884	1685	24782	2773	29	374	830	11184	1407	14	676	1089	12345	2620	24					
06/06/17											736	1177	12955	2770	20					
06/07/17											446	733	7856	1669	14					
06/08/17	904	1762	25113	2820	25	393	910	11315	1454	16	730	1081	12370	2657	22					
06/09/17											712	1030	11902	2538	16					
06/10/17											645	1024	11439	2439	16					
06/11/17											738	1116	11494	2618	24					
06/12/17	909	1844	26204	2991	26	286	643	8611	1107	0	697	1090	11478	2464	24					
06/13/17						402	886	11402	1463	14	749	1147	12094	2608	24					
06/14/17											671	1052	11456	2442	26					
06/15/17	862	1739	25120	2808	27						584	995	10173	2167	16					
06/16/17											696	1065	11213	2384	26					
06/17/17											721	1032	11696	2516	21					
06/18/17											724	1063	11605	2584	20					
06/19/17	899	1775	26369	3090	25	381	841	11137	1522	14	714	1116	11585	2570	24					
06/20/17											719	1105	11184	2464	21					

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**
05/17/17																				
05/18/17																				
05/19/17																				
05/20/17																				
05/21/17																				
05/22/17						16	0	452	0	0										
05/23/17																				
05/24/17						14	0	359	0	0										
05/25/17																				
05/26/17																				
05/27/17																				
05/28/17																				
05/29/17																				
05/30/17																				
05/31/17																				
06/01/17																				
06/02/17																				
06/03/17																				
06/04/17																				
06/05/17																				
06/06/17																				
06/07/17																				
06/08/17																				
06/09/17																33	79	2126	247	0
06/10/17																				
06/11/17																				
06/12/17																				
06/13/17																				
06/14/17	111	128	2777	158	0															
06/15/17																				
06/16/17																				
06/17/17																				
06/18/17																				
06/19/17																				
06/20/17																				

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**
05/17/17	47	414	2755	495	0															
05/18/17																				
05/19/17	38	147	2402	374	0															
05/20/17																				
05/21/17																				
05/22/17											15	0	475	0	0					
05/23/17																				
05/24/17																				
05/25/17																				
05/26/17																				
05/27/17																				
05/28/17																				
05/29/17																				
05/30/17																				
05/31/17																46	112	2030	42	0
06/01/17																				
06/02/17																				
06/03/17																				
06/04/17																				
06/05/17																				
06/06/17																				
06/07/17																				
06/08/17																				
06/09/17																				
06/10/17																				
06/11/17																				
06/12/17						21	0	1474	174	0										
06/13/17						20	0	1479	220	0										
06/14/17	49	346	3208	519	0															
06/15/17																				
06/16/17																				
06/17/17																				
06/18/17																				
06/19/17																				
06/20/17																				

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**
05/17/17	80	109	2616	255	0															
05/18/17																				
05/19/17																				
05/20/17																				
05/21/17																				
05/22/17																				
05/23/17																				
05/24/17																				
05/25/17																				
05/26/17																217	547	5396	494	12
05/27/17																				
05/28/17																				
05/29/17																				
05/30/17																				
05/31/17											729	1631	24919	3861	32	259	664	6969	750	6
06/01/17																				
06/02/17																				
06/03/17																				
06/04/17																				
06/05/17						105	0	1702	501	0										
06/06/17																				
06/07/17																				
06/08/17																				
06/09/17																				
06/10/17																				
06/11/17																				
06/12/17																				
06/13/17																				
06/14/17	73	99	2538	161	0															
06/15/17																				
06/16/17																				
06/17/17																				
06/18/17																				
06/19/17																				
06/20/17											685	1048	13209	1917	27					

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**
05/17/17																				
05/18/17																				
05/19/17																				
05/20/17																				
05/21/17																				
05/22/17																				
05/23/17																				
05/24/17						156	547	6308	2173	0										
05/25/17																				
05/26/17																				
05/27/17																				
05/28/17																				
05/29/17																				
05/30/17																				
05/31/17																				
06/01/17																				
06/02/17																				
06/03/17																				
06/04/17																				
06/05/17																269	1050	12229	3991	10
06/06/17											10	0	1310	141	0					
06/07/17	336	885	15993	4483	12															
06/08/17																				
06/09/17																				
06/10/17																				
06/11/17																				
06/12/17																				
06/13/17																				
06/14/17																				
06/15/17																				
06/16/17																				
06/17/17																				
06/18/17																				
06/19/17																				
06/20/17																				

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
05/17/17																				
05/18/17																				
05/19/17																				
05/20/17																				
05/21/17																				
05/22/17																				
05/23/17																				
05/24/17																				
05/25/17																				
05/26/17																130	176	2548	256	0
05/27/17																				
05/28/17																				
05/29/17																				
05/30/17																				
05/31/17																141	348	2552	273	0
06/01/17																				
06/02/17																				
06/03/17																				
06/04/17																				
06/05/17																				
06/06/17											325	845	14530	4837	27					
06/07/17																				
06/08/17																				
06/09/17						44	0	2075	143	0										
06/10/17																				
06/11/17																				
06/12/17																				
06/13/17																				
06/14/17																				
06/15/17																				
06/16/17																				
06/17/17																				
06/18/17																				
06/19/17																				
06/20/17																				

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**
05/17/17											500	1207	17616	2464	27					
05/18/17																				
05/19/17																				
05/20/17																				
05/21/17																				
05/22/17																				
05/23/17																				
05/24/17	426	1357	15608	2913	25	526	1421	24695	2515	22										
05/25/17																				
05/26/17																				
05/27/17																				
05/28/17																				
05/29/17																				
05/30/17																				
05/31/17																				
06/01/17																				
06/02/17																				
06/03/17																				
06/04/17																				
06/05/17																				
06/06/17																				
06/07/17																				
06/08/17																				
06/09/17																102	103	5079	620	0
06/10/17																				
06/11/17																				
06/12/17																				
06/13/17																				
06/14/17											485	1254	20680	2830	25					
06/15/17																				
06/16/17																				
06/17/17																				
06/18/17																				
06/19/17																				
06/20/17						405	1310	22464	2292	21										

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**
05/17/17	208	616	8760	655	21	306	812	14700	2049	10	227	909	9079	2553	17	485	1197	14000	2384	25
05/18/17																				
05/19/17																				
05/20/17																				
05/21/17																				
05/22/17																				
05/23/17																				
05/24/17																				
05/25/17																				
05/26/17																				
05/27/17																				
05/28/17																				
05/29/17																				
05/30/17																				
05/31/17																				
06/01/17																				
06/02/17																				
06/03/17																				
06/04/17																				
06/05/17																				
06/06/17						275	580	7902	946	5										
06/07/17						275	563	7912	976	11										
06/08/17																				
06/09/17																				
06/10/17																				
06/11/17																				
06/12/17	205	706	11074	801	0															
06/13/17	201	736	11107	773	0															
06/14/17											208	1011	10956	3009	5	443	1440	17426	2570	5
06/15/17																				
06/16/17																				
06/17/17																				
06/18/17																				
06/19/17																				
06/20/17	190	494	7189	476	7															

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**
05/17/17	186	665	9845	719	0											278	753	10729	2304	21
05/18/17																				
05/19/17																				
05/20/17																				
05/21/17																				
05/22/17																				
05/23/17																				
05/24/17						553	1508	14381	5018	23	94	409	5539	674	0					
05/25/17																				
05/26/17																				
05/27/17																				
05/28/17																				
05/29/17																				
05/30/17																				
05/31/17																				
06/01/17																				
06/02/17																				
06/03/17																				
06/04/17																				
06/05/17																				
06/06/17						559	1480	15609	5384	16										
06/07/17						571	1512	16259	5563	18										
06/08/17																				
06/09/17																				
06/10/17																				
06/11/17																				
06/12/17						463	1194	11948	4505	0										
06/13/17						463	1117	11213	3942	18										
06/14/17	150	595	9807	631	0											269	797	12844	2684	15
06/15/17																				
06/16/17																				
06/17/17																				
06/18/17																				
06/19/17																				
06/20/17											94	443	6633	811	0					

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**
05/17/17																				
05/18/17																				
05/19/17																				
05/20/17																				
05/21/17																				
05/22/17																				
05/23/17																				
05/24/17																				
05/25/17																				
05/26/17																				
05/27/17																				
05/28/17																				
05/29/17																				
05/30/17																				
05/31/17																				
06/01/17																				
06/02/17																				
06/03/17																				
06/04/17																				
06/05/17																				
06/06/17																				
06/07/17	235	981	15694	2288	11						402	1415	22907	4874	25					
06/08/17																				
06/09/17						339	1086	14305	4371	16										
06/10/17																				
06/11/17																				
06/12/17																				
06/13/17																				
06/14/17																				
06/15/17																				
06/16/17																				
06/17/17																				
06/18/17																				
06/19/17																				
06/20/17																				

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
05/17/17																				
05/18/17																				
05/19/17																				
05/20/17																				
05/21/17																				
05/22/17																				
05/23/17																				
05/24/17											668	1130	11464	2401	25					
05/25/17																				
05/26/17																				
05/27/17																				
05/28/17																				
05/29/17																				
05/30/17																				
05/31/17																				
06/01/17																				
06/02/17																				
06/03/17																				
06/04/17																				
06/05/17																233	855	13916	1560	11
06/06/17																				
06/07/17																				
06/08/17																				
06/09/17	115	469	5392	696	0															
06/10/17																				
06/11/17																				
06/12/17																				
06/13/17																				
06/14/17																				
06/15/17																				
06/16/17																				
06/17/17																				
06/18/17																				
06/19/17																				
06/20/17	49	100	2282	308	0															

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
05/17/17																				
05/18/17																				
05/19/17																				
05/20/17																				
05/21/17																				
05/22/17																				
05/23/17																				
05/24/17											636	1684	19152	398	33					
05/25/17																				
05/26/17																				
05/27/17																				
05/28/17																				
05/29/17																				
05/30/17																				
05/31/17																				
06/01/17																				
06/02/17																				
06/03/17																				
06/04/17																				
06/05/17																565	1261	17863	3091	22
06/06/17																				
06/07/17																				
06/08/17																				
06/09/17																				
06/10/17																				
06/11/17																				
06/12/17																				
06/13/17						293	765	12313	2518	21										
06/14/17																				
06/15/17																				
06/16/17																				
06/17/17																				
06/18/17																				
06/19/17																				
06/20/17											619	1656	21243	4357	32					

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
05/17/17																				
05/18/17																				
05/19/17																				
05/20/17																				
05/21/17																				
05/22/17																				
05/23/17																				
05/24/17																				
05/25/17																				
05/26/17																				
05/27/17																				
05/28/17																				
05/29/17																				
05/30/17																				
05/31/17																				
06/01/17																				
06/02/17																				
06/03/17																				
06/04/17																				
06/05/17	198	566	7506	994	5															
06/06/17						162	550	7206	917	10										
06/07/17																				
06/08/17																				
06/09/17																				
06/10/17																				
06/11/17																				
06/12/17																				
06/13/17											56	111	3369	166	0	75	218	4649	377	0
06/14/17																				
06/15/17																				
06/16/17																				
06/17/17																				
06/18/17																				
06/19/17																				
06/20/17																				

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

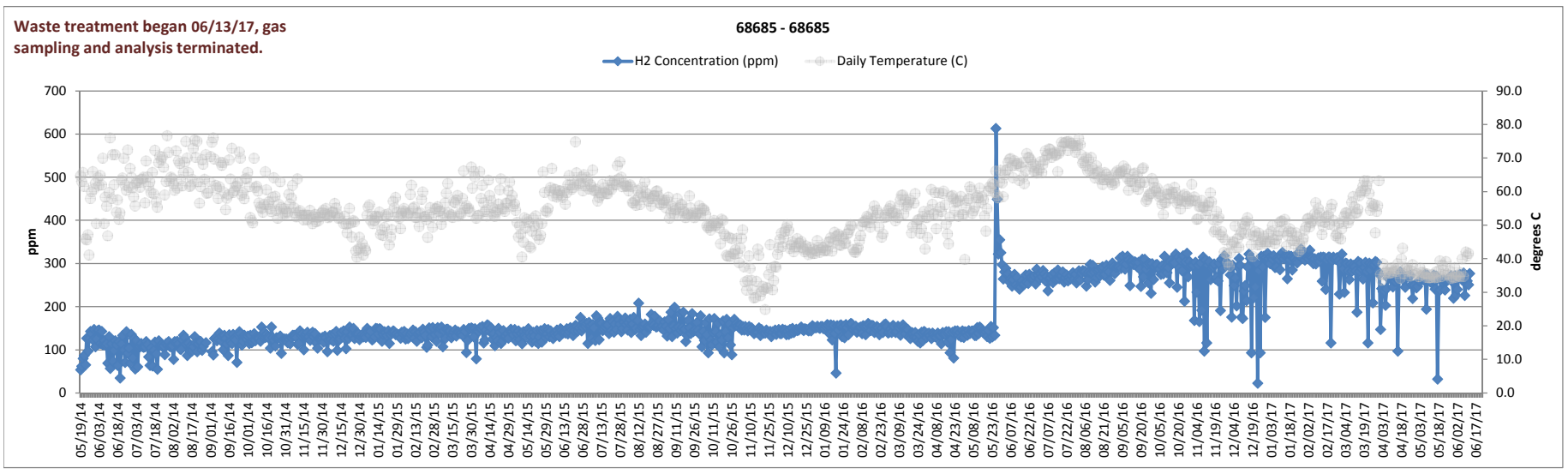
Remediated Nitrate Salt Container Headspace Gas Analysis

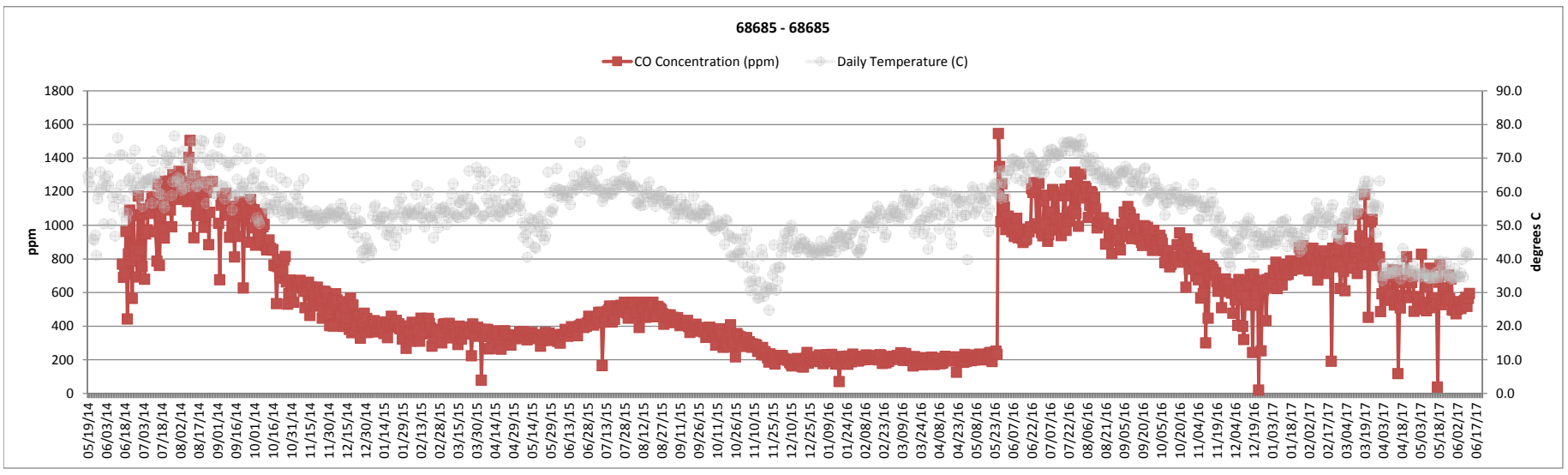
	87823					87825					87826					87827				
Date	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	CH_4 ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	CH_4 ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	CH_4 ppm	H_2 ppm	CO ppm	CO_2 ppm	N2O ppm	CH4 ppm
05/17/17																				
05/18/17																				
05/19/17																				
05/20/17																				
05/21/17																				
05/22/17																				
05/23/17																				
05/24/17																				
05/25/17																				
05/26/17																				
05/27/17																				
05/28/17																				
05/29/17																				
05/30/17																				
05/31/17																				
06/01/17	152	140	3398	618	0	95	126	3391	632	0	182	367	6862	1050	0	41	105	2347	251	0
06/02/17																				
06/03/17																				
06/04/17																				
06/05/17																				
06/06/17																				
06/07/17																				
06/08/17																				
06/09/17																				
06/10/17																				
06/11/17																				
06/12/17																				
06/13/17																				
06/14/17																				
06/15/17																				
06/16/17																				
06/17/17																				
06/18/17																				
06/19/17																				
06/20/17																				

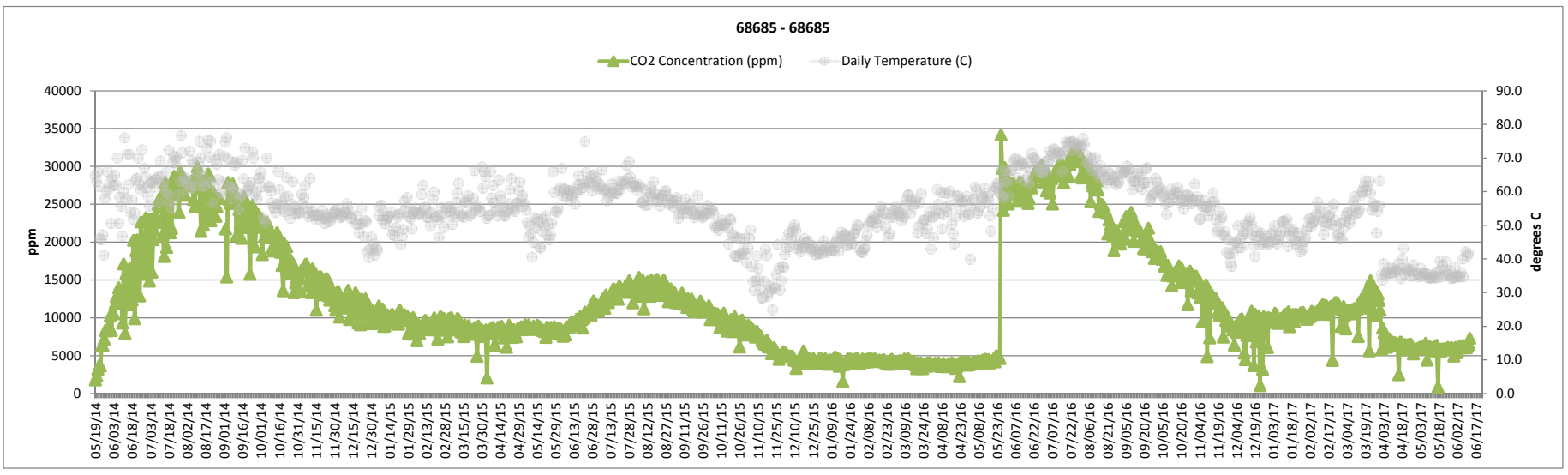
Shading indicates the drum has been treated and gas sampling is no longer performed.

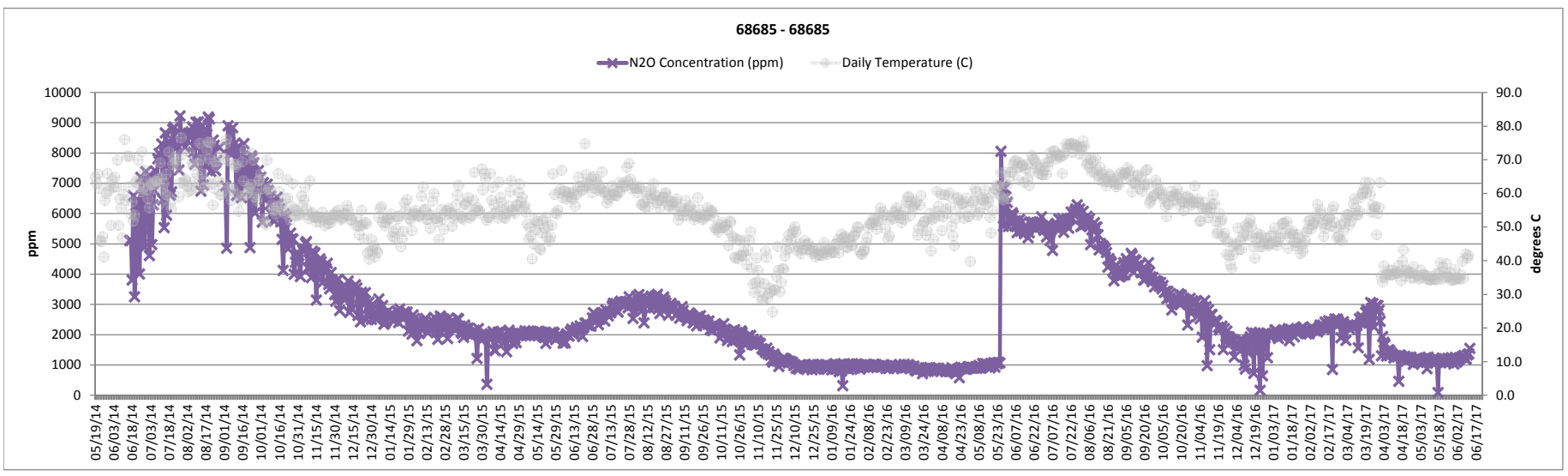
Remediated Nitrate Salt Container Headspace Gas and Temperature

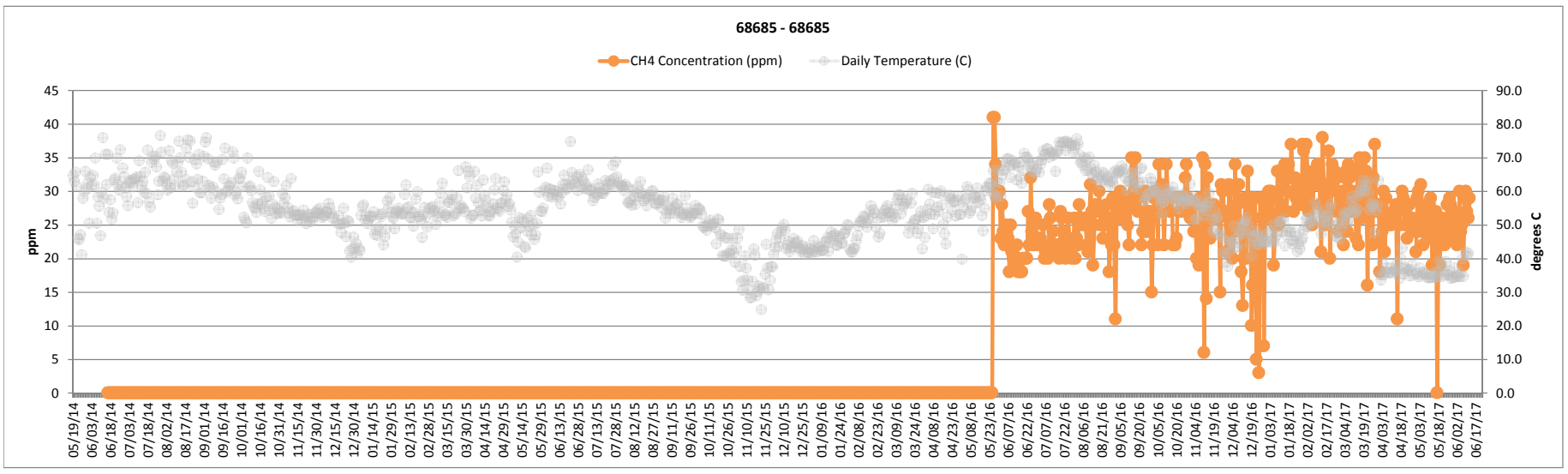
Waste treatment began 06/13/17, gas sampling and analysis terminated.



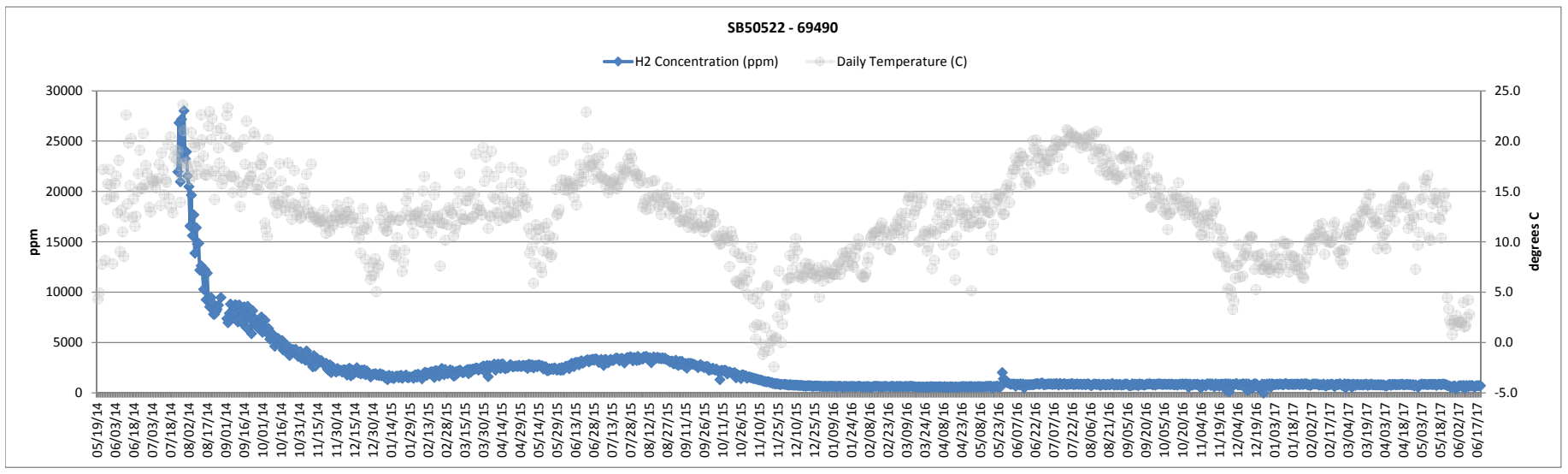


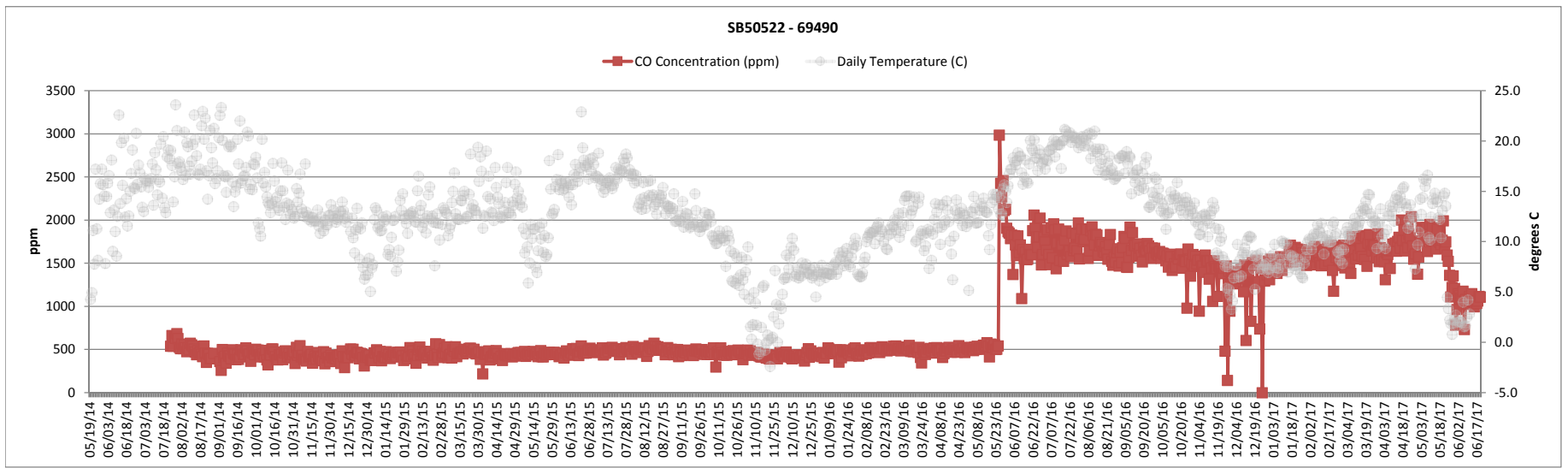


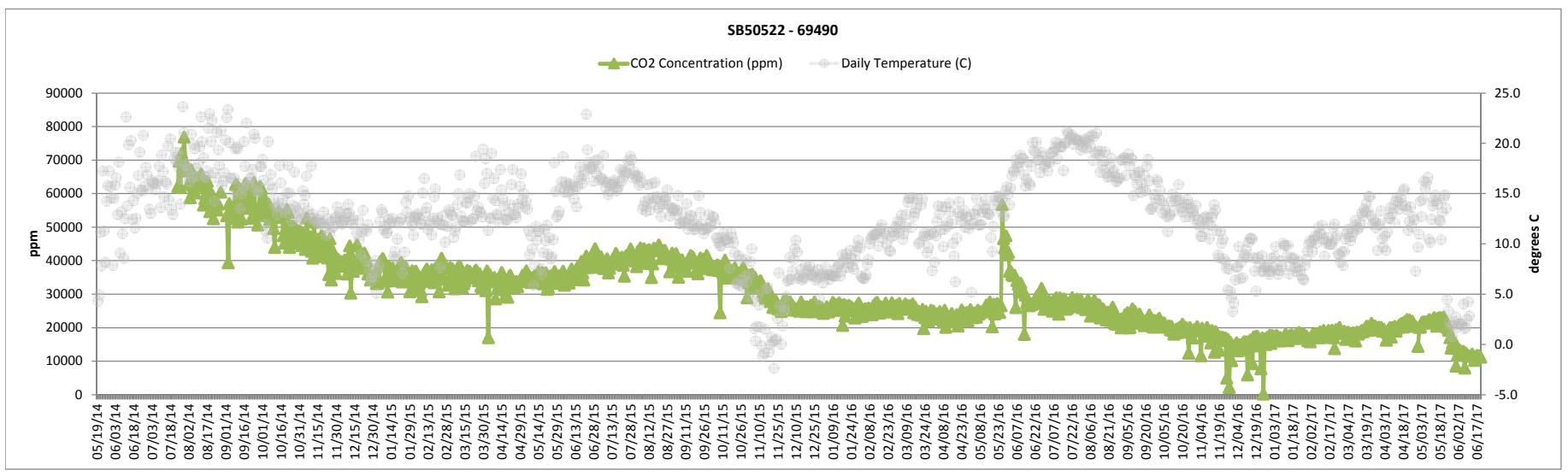


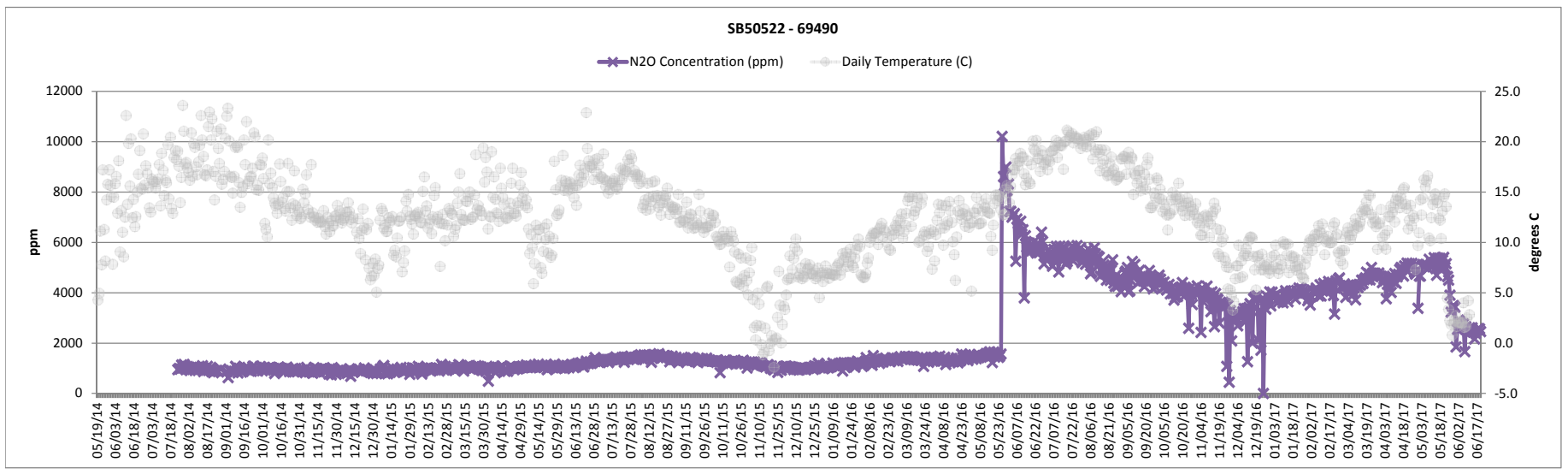


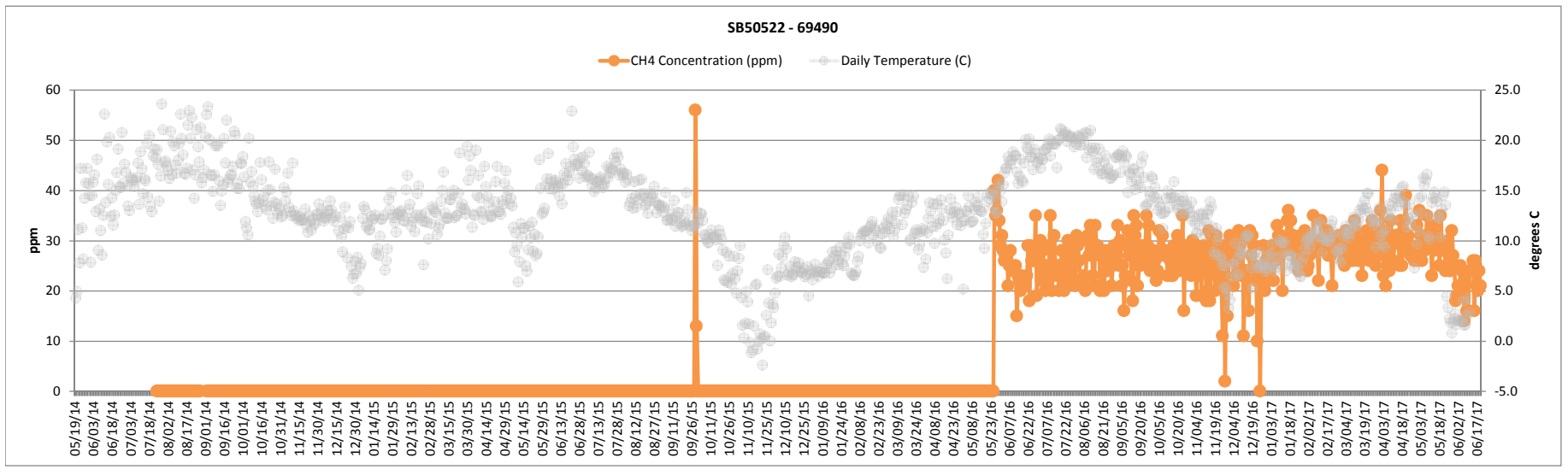
Remediated Nitrate Salt Container Headspace Gas and Temperature



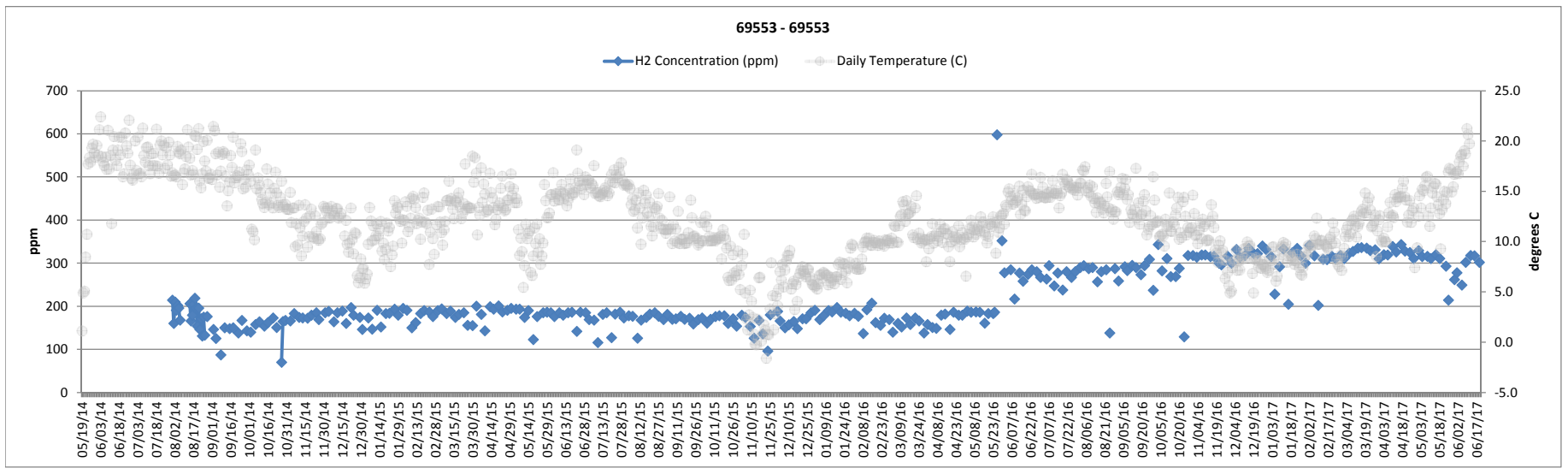


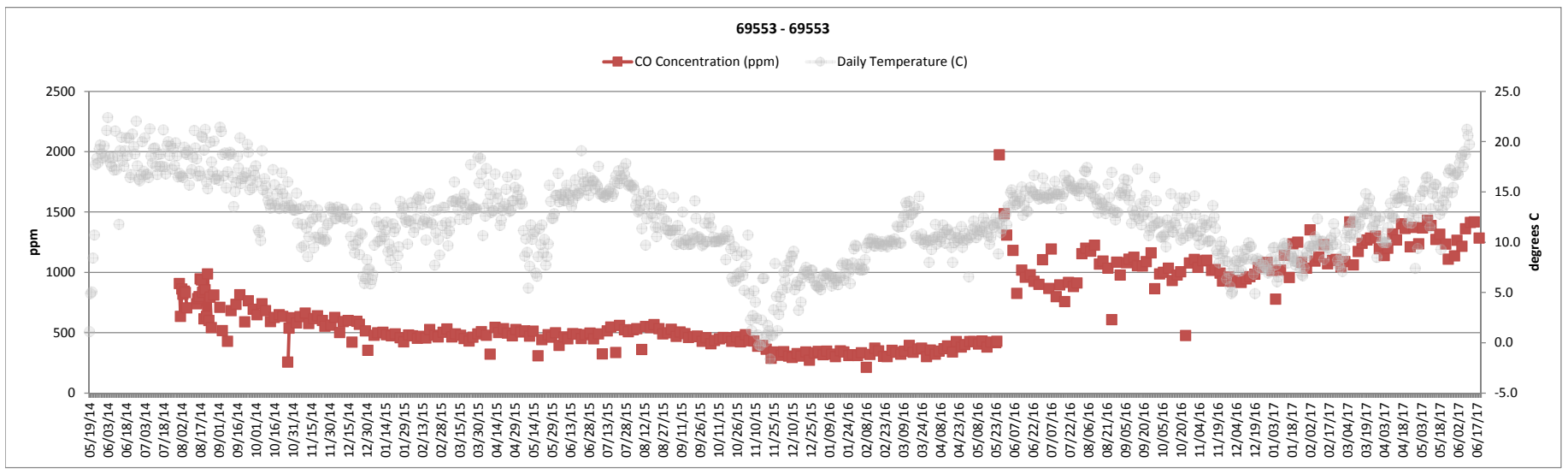


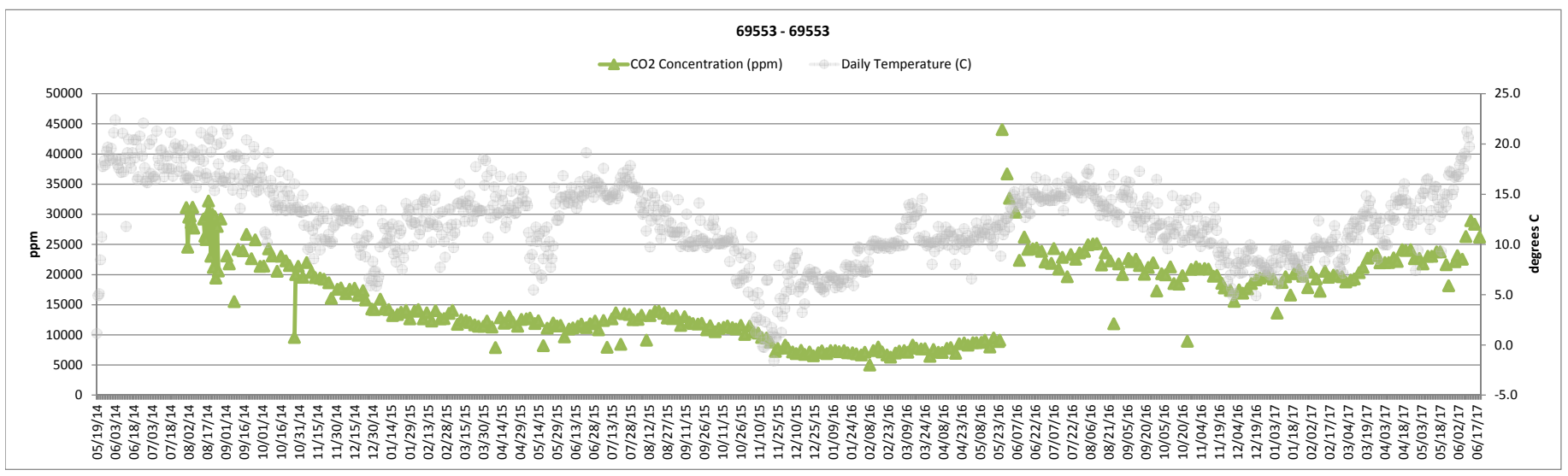


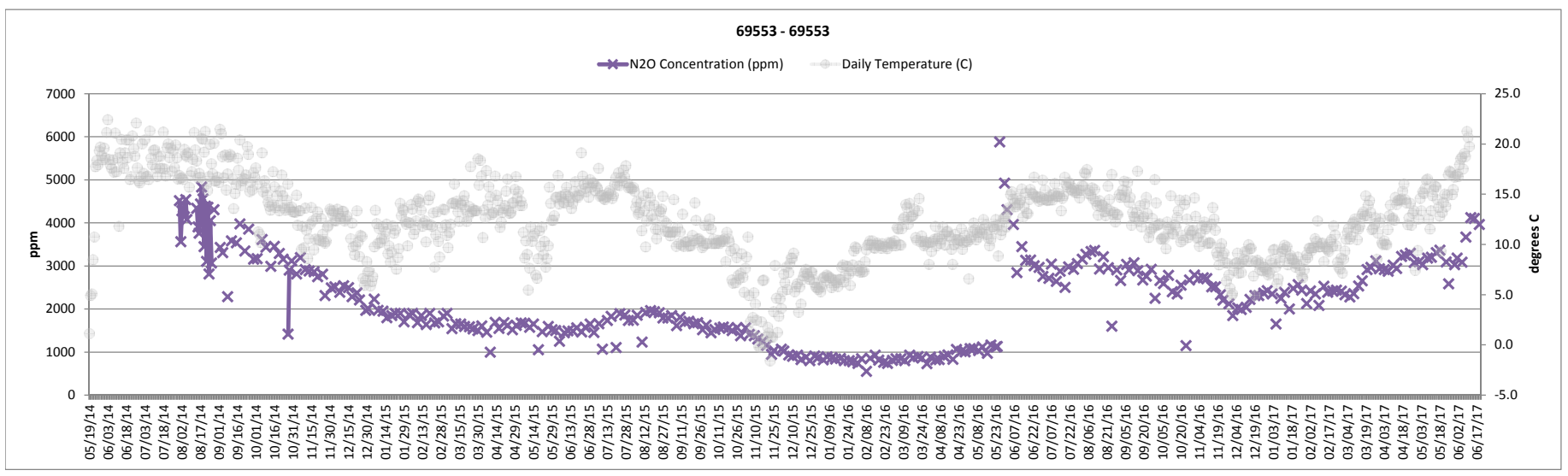


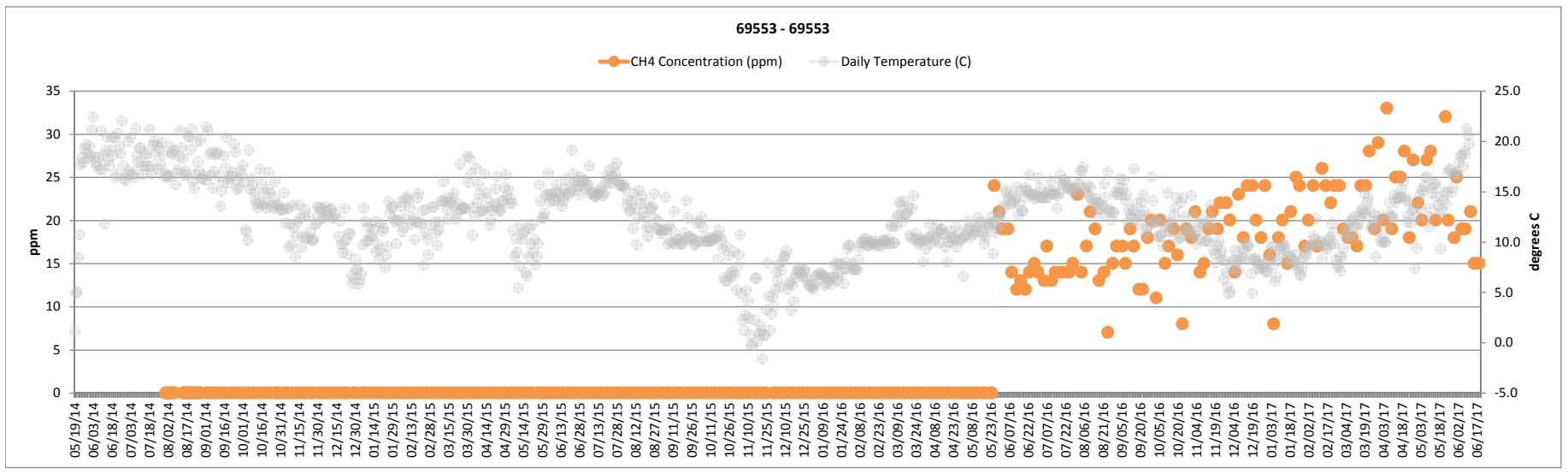
Remediated Nitrate Salt Container Headspace Gas and Temperature



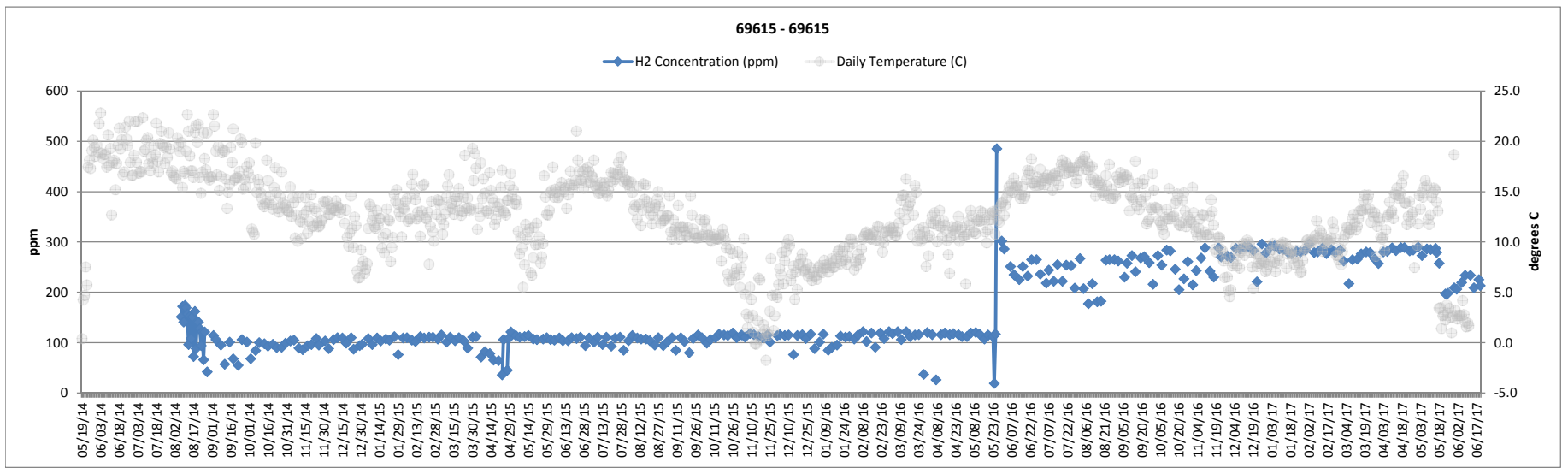


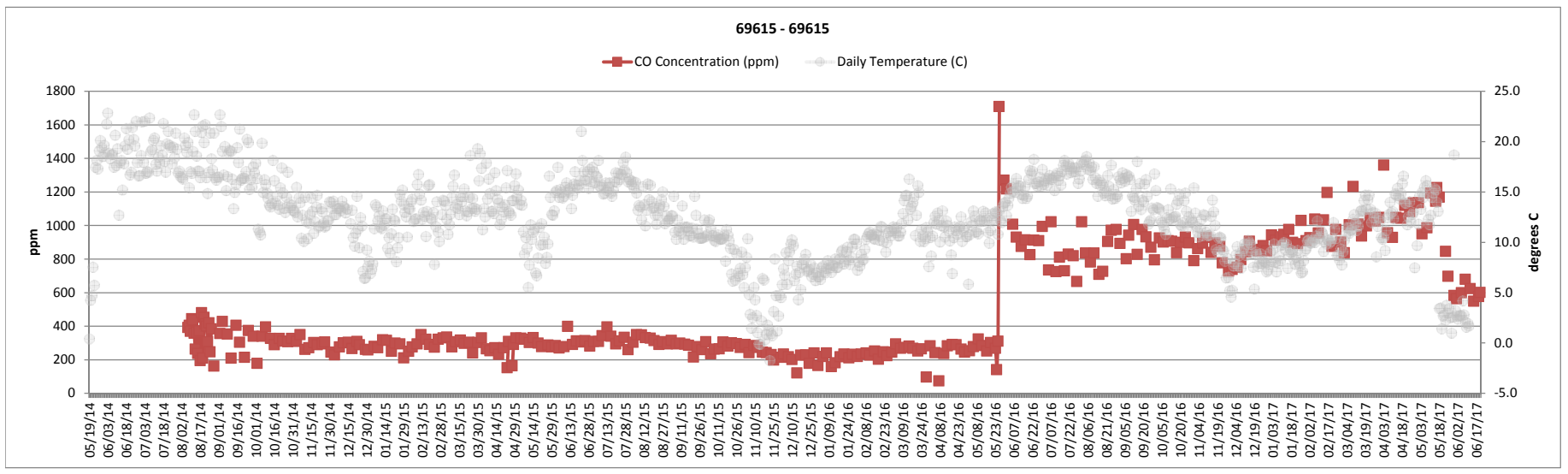


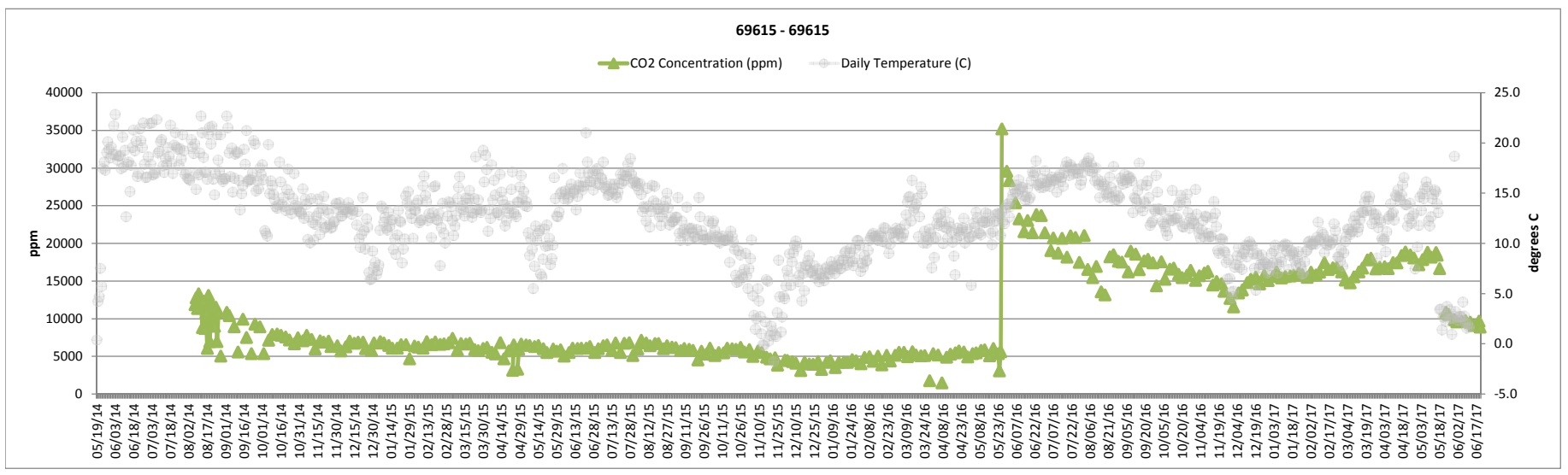


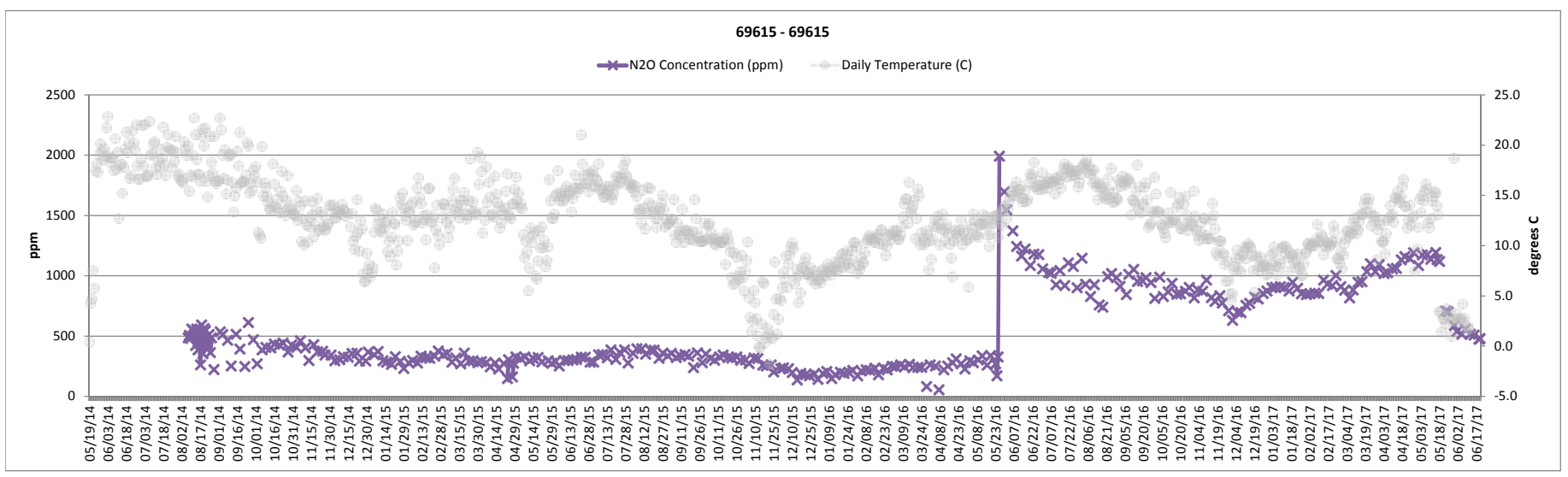


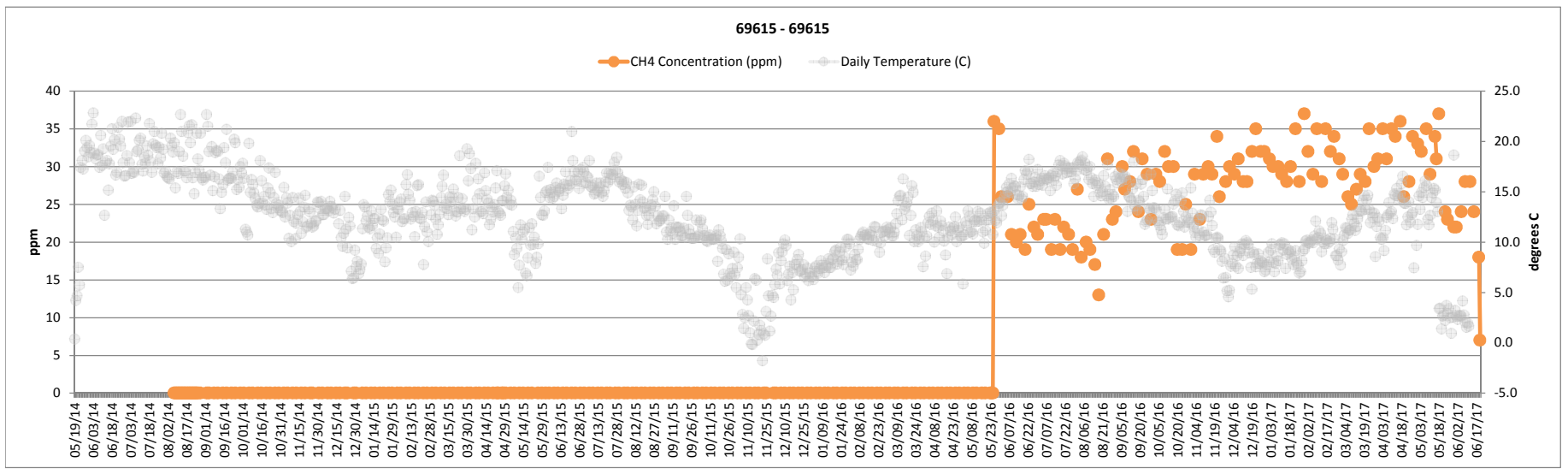
Remediated Nitrate Salt Container Headspace Gas and Temperature



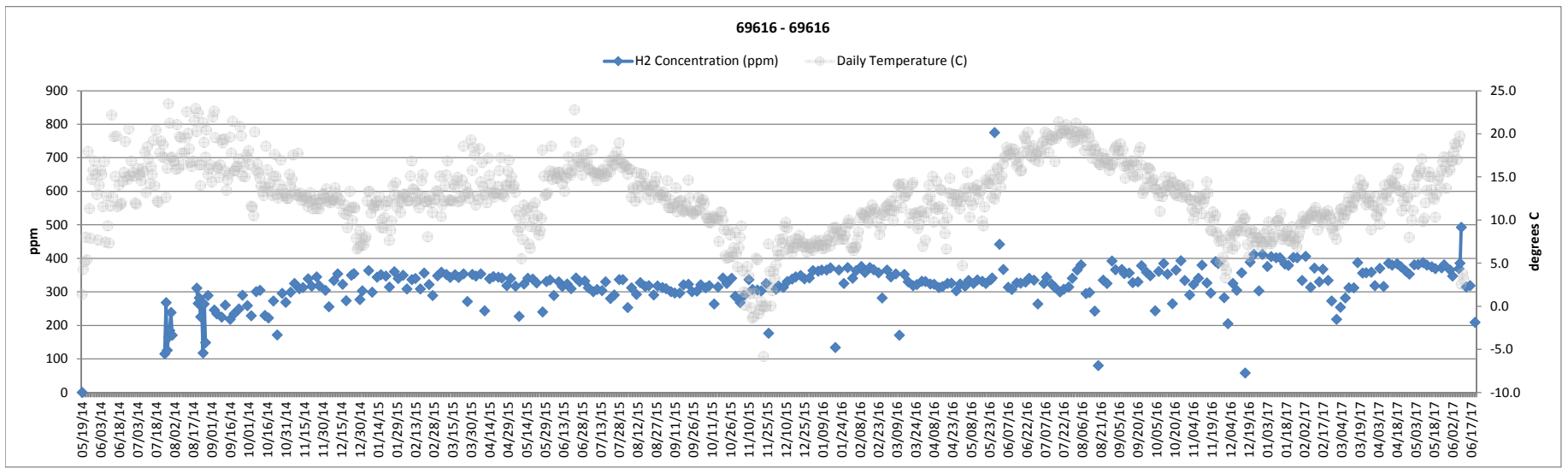


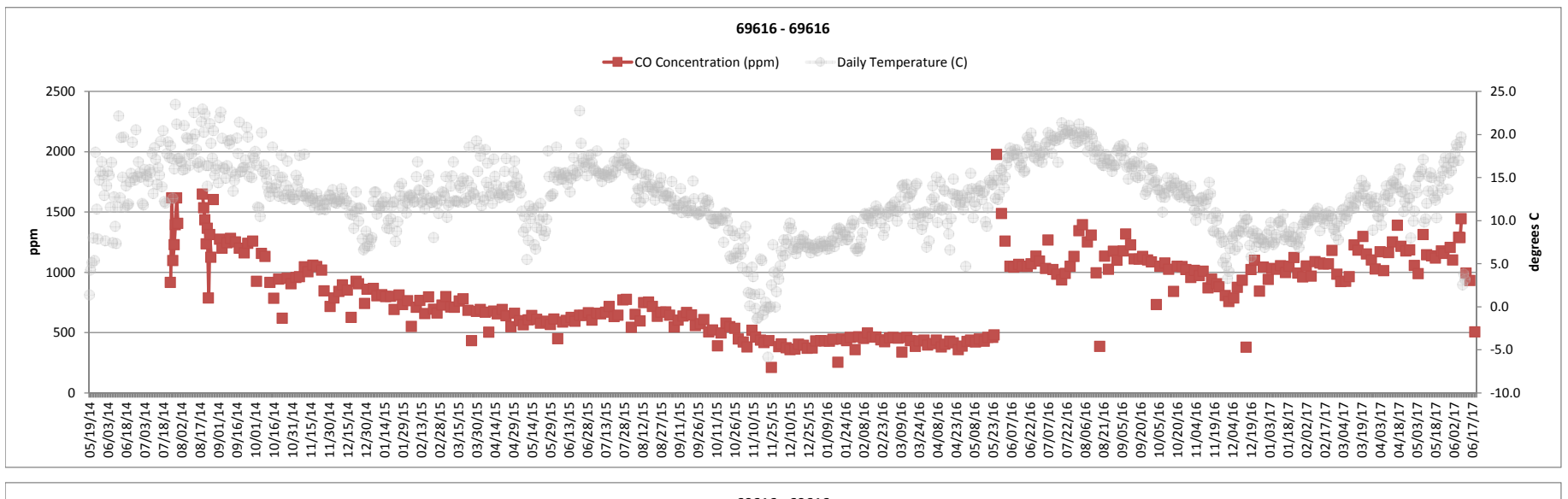


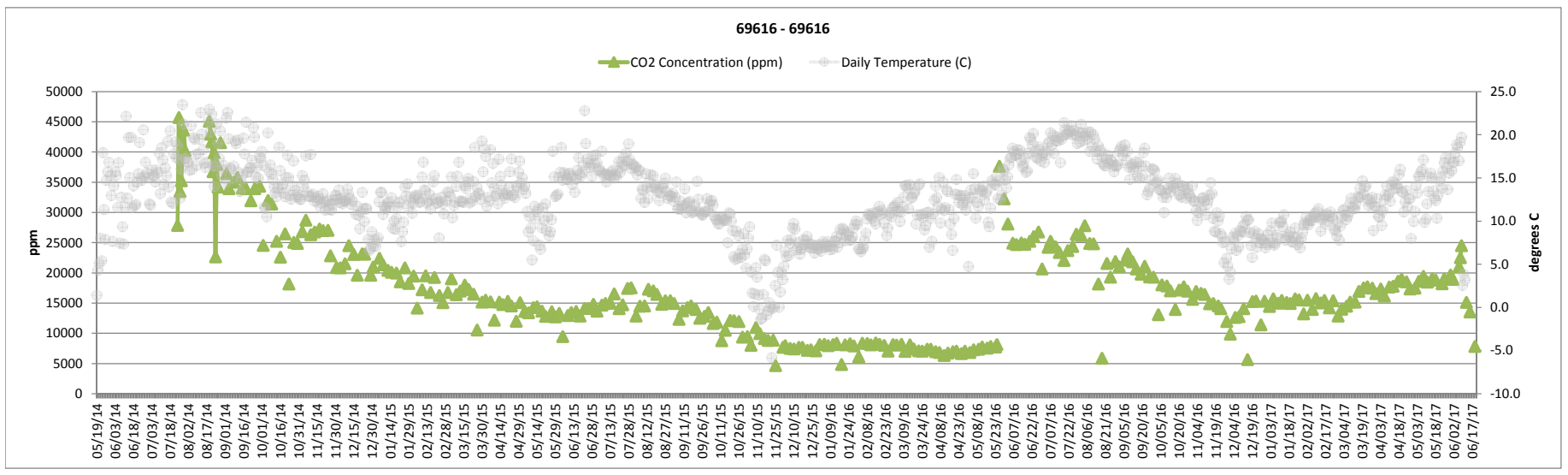


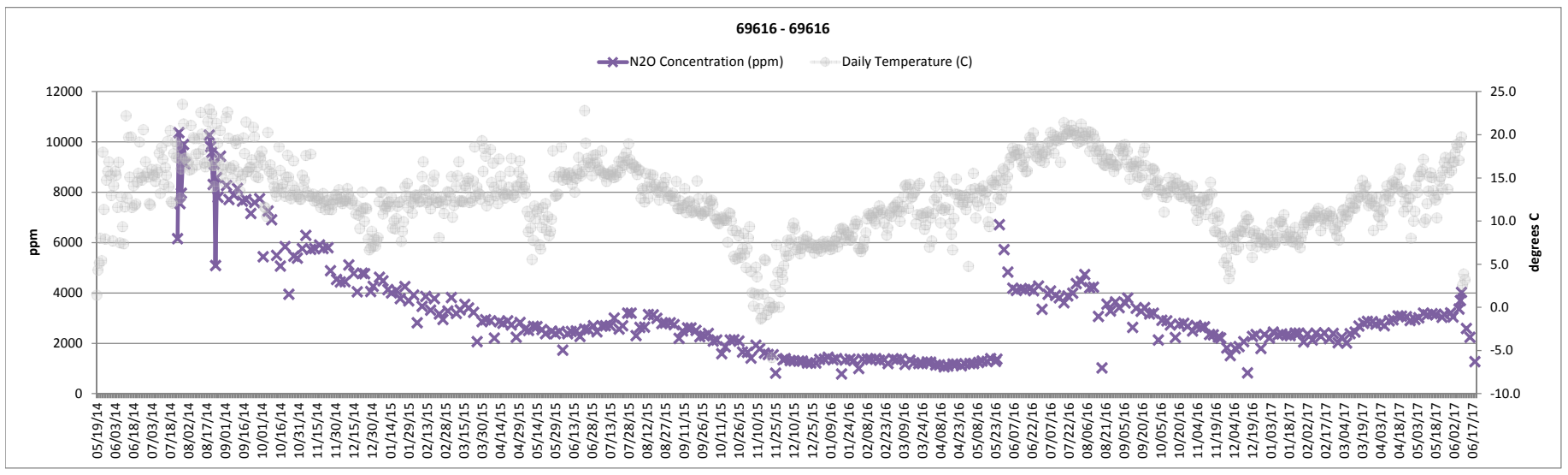


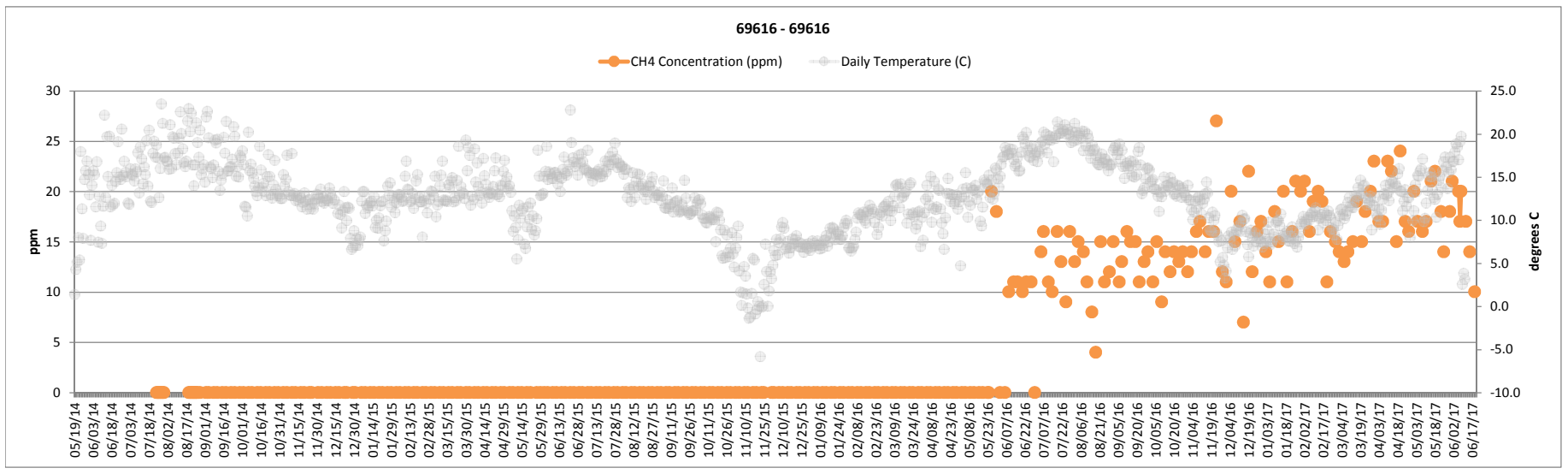
Remediated Nitrate Salt Container Headspace Gas and Temperature



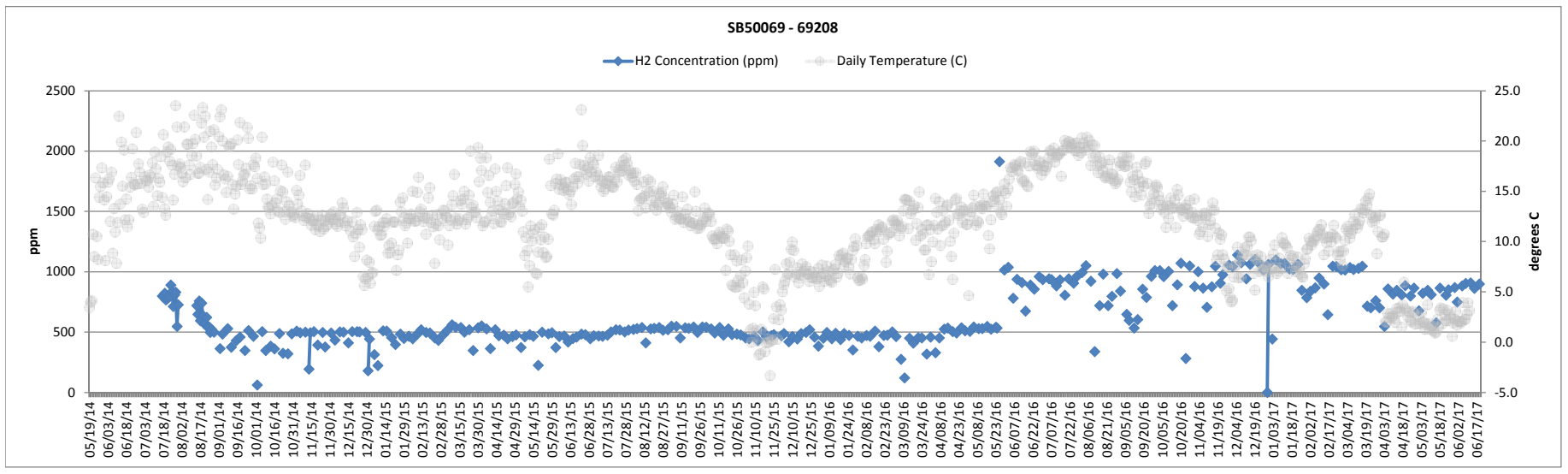


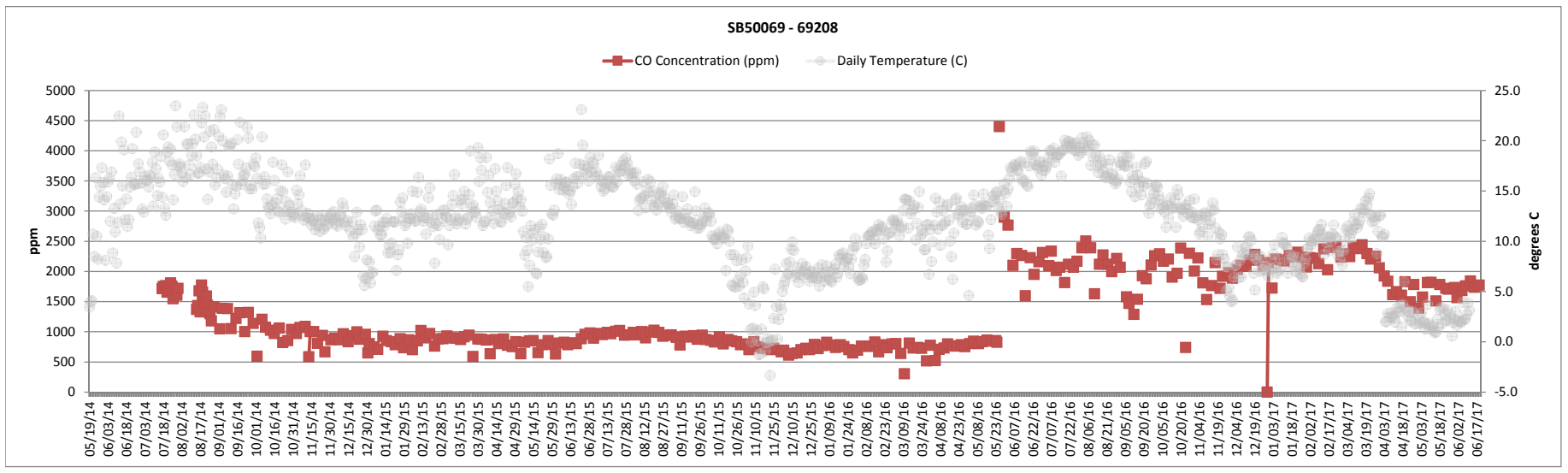


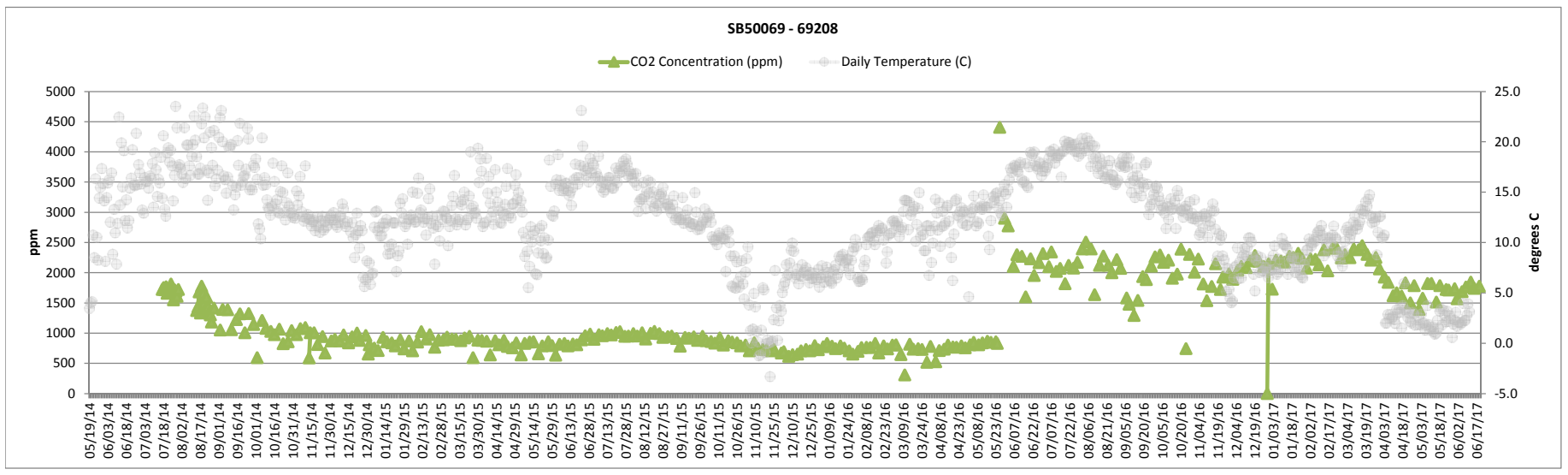


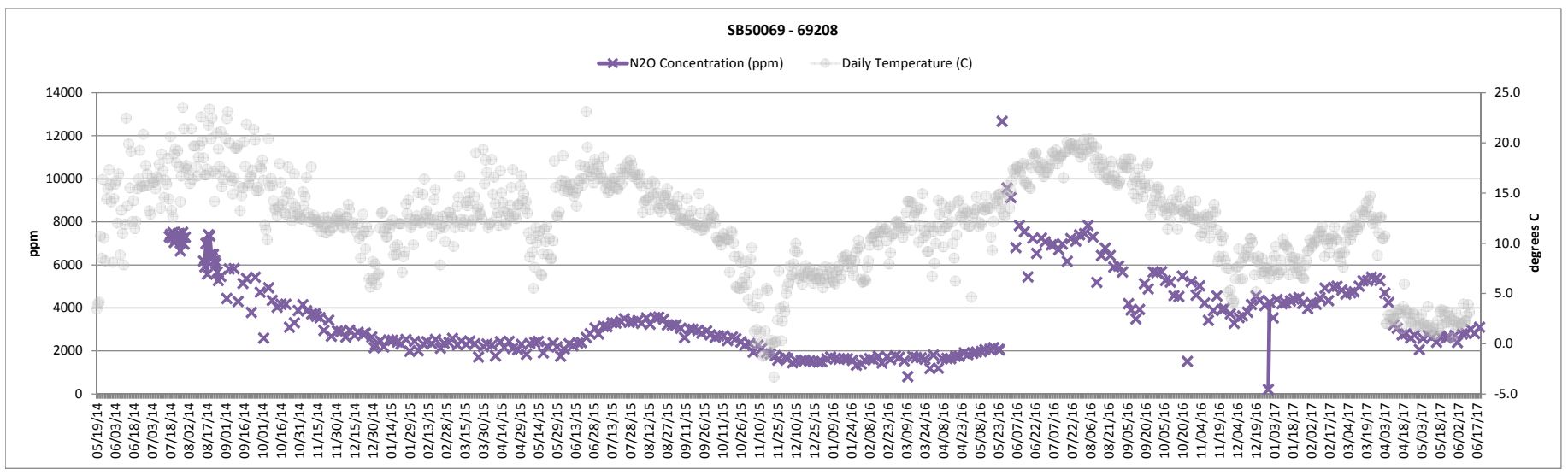


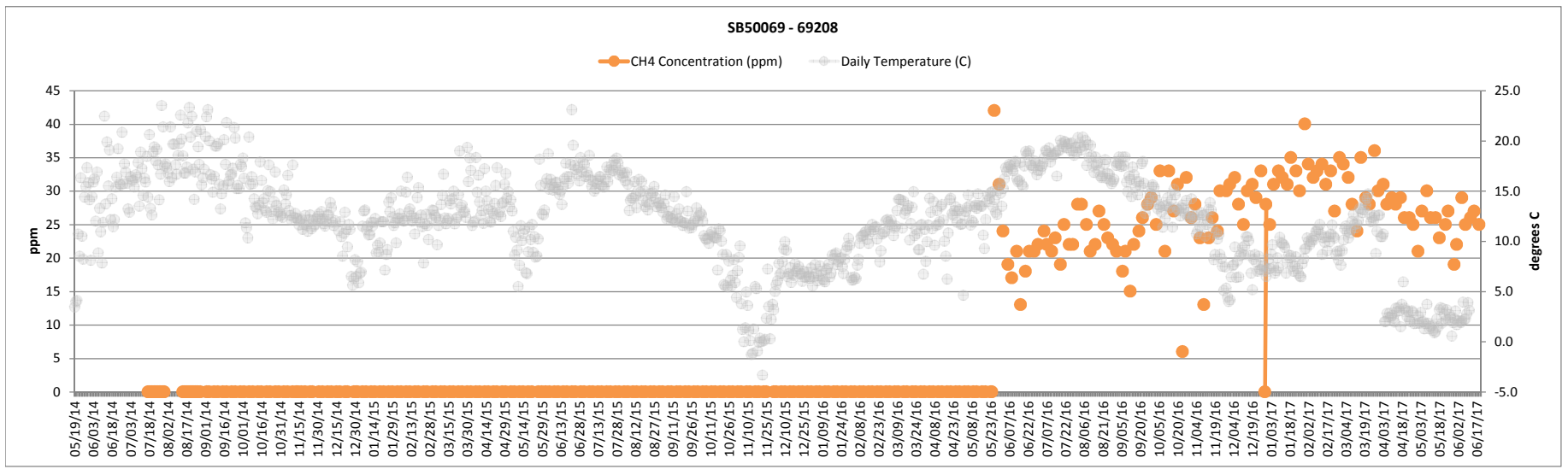
Remediated Nitrate Salt Container Headspace Gas and Temperature



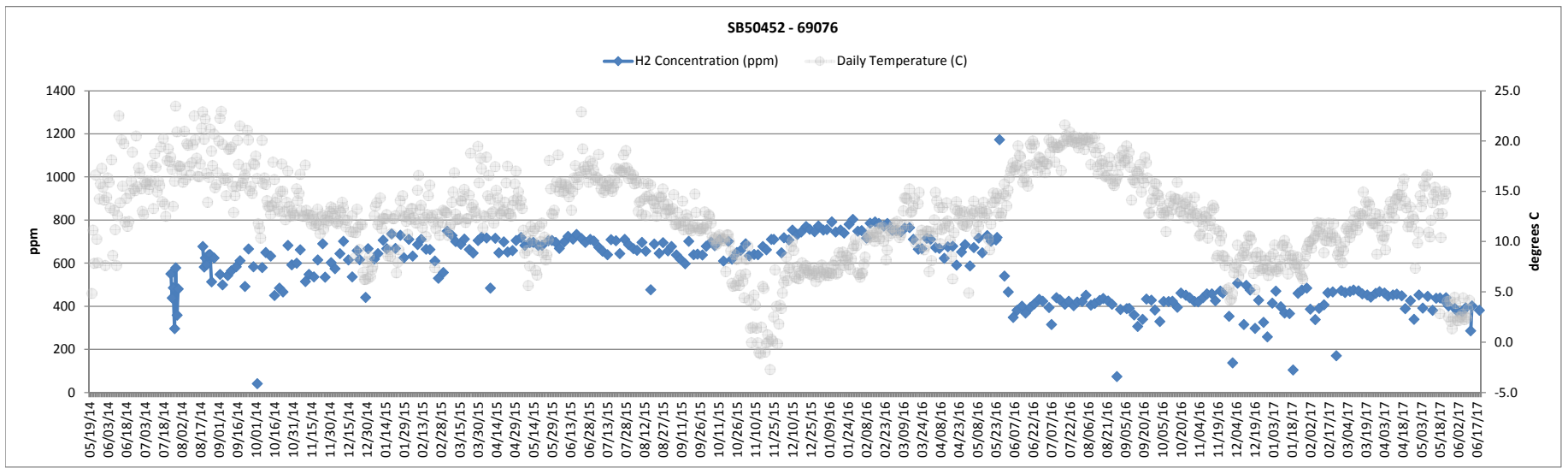


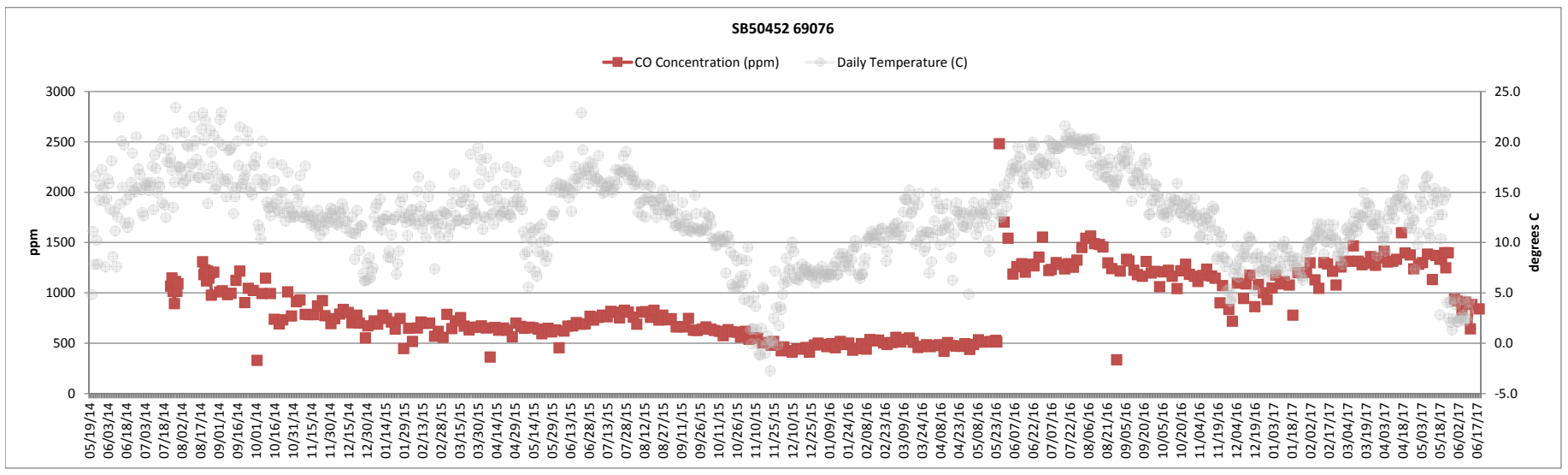


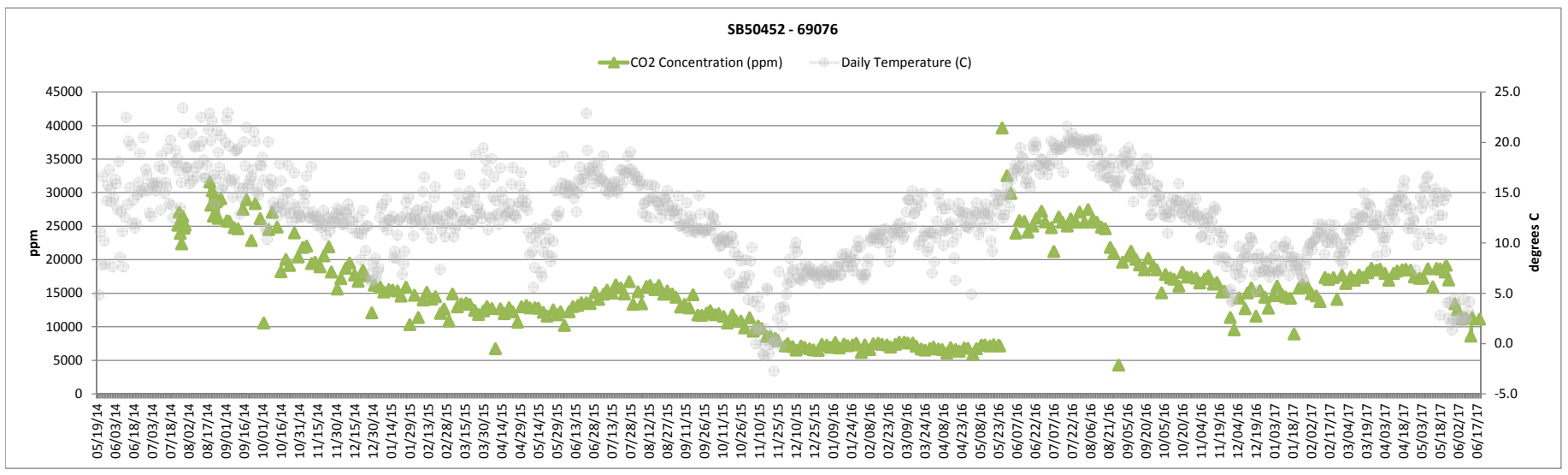


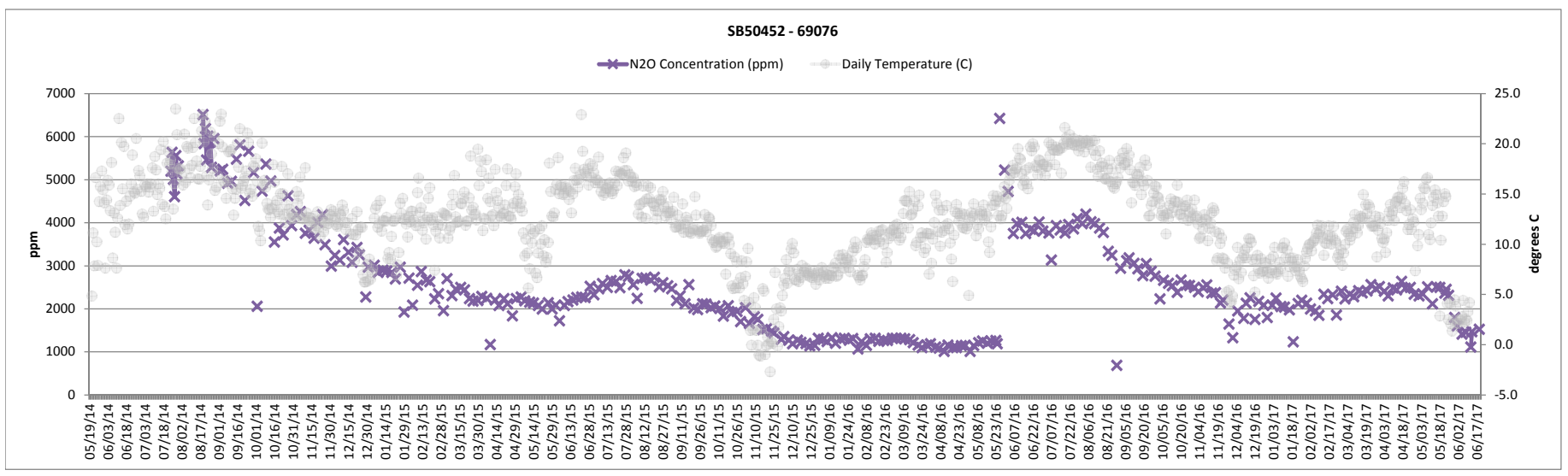


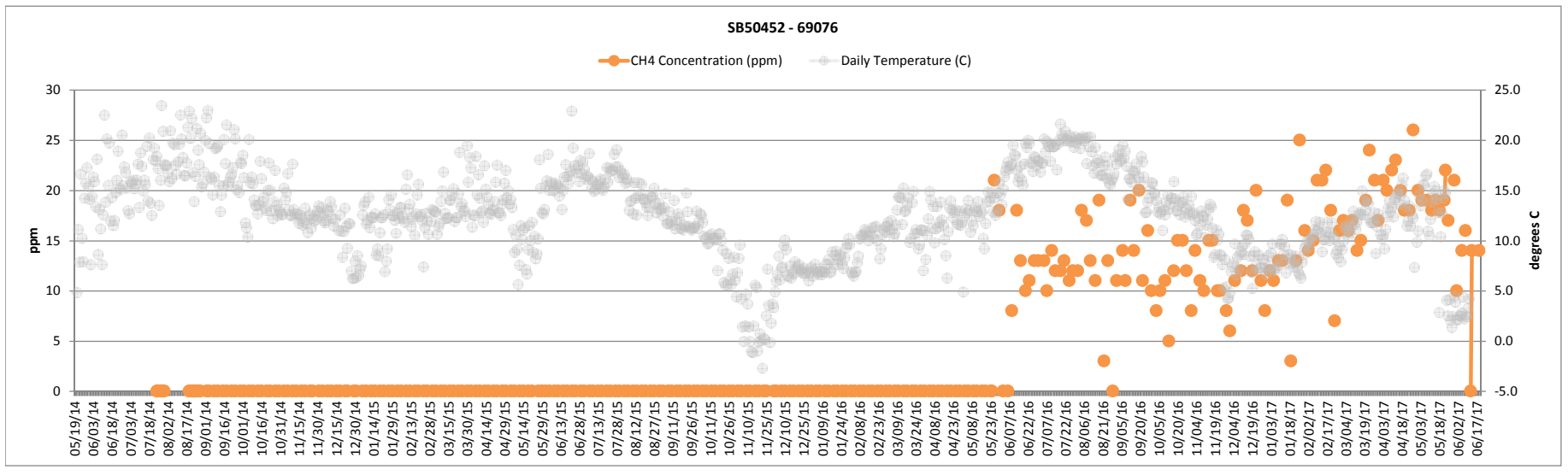
Remediated Nitrate Salt Container Headspace Gas and Temperature











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: 05-15-17/1319	Tuesday 6.[2] Date & Start Time: 05-16-17/1303	Wednesday 6.[2] Date & Start Time: 05-17-17/1341	Thursday 6.[2] Date & Start Time: 05-18-17/1300	Friday 6.[2]Date & Start Time: 05-19-17/1315	Saturday 6.[2] Date & Start Time: 05-20-17/1300	Sunday 6.[2] Date & Start Time: 05-21-17/1300
TA-54-0375 Cell 1							
Calibrated infrared thermometer (6.[3])	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 101975	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 101975	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 101975	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 101975	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 101975	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 101975	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 101975
Ambient Temperature (6.[4])	Cell 1: 62.0 °F	Cell 1: 59.6 °F	Cell 1: 58.2 °F	Cell 1: 55.2 °F	Cell 1: 50.0 °F	Cell 1: 56.8 °F	Cell 1: 60.3 °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
Ambient Temperature (6.[7])	Refrig.: 36.3 °F	Refrig.: 36.2 °F	Refrig.: 36.0 °F	Refrig.: 37.4 °F	Refrig.: 37.8 °F	Refrig.: 35.1 °F	Refrig.: 37.5 °F
(S) 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	34.3	① ② ③ ● N/A	36.1	① ② ③ ● N/A	34.5	① ② ③ ● N/A	36.3	① ② ③ ● N/A	39.4	① ② ③ ● N/A	34.6	① ② ③ ● N/A	38.1
68540	① ② ③ ● N/A	34.4	① ② ③ ● N/A	34.5	① ② ③ ● N/A	33.9	① ② ③ ● N/A	35.6	① ② ③ ● N/A	37.7	① ② ③ ● N/A	35.3	① ② ③ ● N/A	37.1
68553	① ② ③ ● N/A	34.3	① ② ③ ● N/A	34.8	① ② ③ ● N/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	35.2	① ② ③ ● N/A	35.9	① ② ③ ● N/A	34.1	① ② ③ ● N/A	37.0	① ② ③ ● N/A	38.3	① ② ③ ● N/A	35.7	① ② ③ ● N/A	38.3

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Z#: 191526
INITIAL: LM DATE: 05-15-17

ATTACHMENT 2

Page 2 of 3

	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	33.5	① ② ③ ● N/A	35.1	① ② ③ ● N/A	34.4	① ② ③ ● N/A	36.5	① ② ③ ● N/A	37.6	① ② ③ ● N/A	35.8	① ② ③ ● N/A	37.7
69013	① ② ③ ® N/A	58.7	① ② ③ ® N/A	57.4	① ② ③ ® N/A	54.5	① ② ③ ® N/A	54.4	● ② ③ ® N/A	51.2	● ② ③ ® N/A	56.5	● ② ③ ® N/A	57.9
69490	① ② ③ ® N/A	52.6	① ② ③ ® N/A	57.1	① ② ③ ® N/A	54.3	① ② ③ ® N/A	54.0	● ② ③ ® N/A	50.7	● ② ③ ® N/A	55.6	● ② ③ ® N/A	58.2
69076	① ② ③ ® N/A	58.9	① ② ③ ® N/A	57.4	① ② ③ ® N/A	55.0	① ② ③ ® N/A	32.1	● ② ③ ® N/A	50.7	● ② ③ ® N/A	55.0	● ② ③ ® N/A	57.6
69280	① ② ③ ● N/A	54.7	① ② ③ ● N/A	36.6	① ② ③ ® N/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	33.8	① ② ③ ● N/A	36.1	① ② ③ ● N/A	34.7	① ② ③ ● N/A	37.7	① ② ③ ● N/A	38.1	① ② ③ ● N/A	35.3	① ② ③ ● N/A	37.9
69079	① ② ③ ● N/A	34.0	① ② ③ ● N/A	36.1	① ② ③ ● N/A	34.3	① ② ③ ● N/A	37.3	① ② ③ ● N/A	37.6	① ② ③ ● N/A	36.6	① ② ③ ● N/A	39.0
69636	① ② ③ ® N/A	56.6	① ② ③ ® N/A	56.5	① ② ③ ® N/A	54.6	① ② ③ ® N/A	56.6	● ② ③ ● N/A	37.2	① ② ③ ● N/A	36.6	① ② ③ ● N/A	38.4
69616	① ② ③ ® N/A	54.0	① ② ③ ® N/A	56.3	① ② ③ ® N/A	54.8	① ② ③ ® N/A	54.3	● ② ③ ® N/A	50.6	● ② ③ ® N/A	55.4	● ② ③ ® N/A	58.3
69417	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	51.8	N/A	55.8	N/A	N/A
69620	① ② ③ ® N/A	58.3	① ② ③ ® N/A	55.6	① ② ③ ® N/A	54.3	① ② ③ ® N/A	54.4	● ② ③ ® N/A	50.3	● ② ③ ® N/A	55.0	● ② ③ ® N/A	57.4
69520	① ② ③ ® N/A	58.1	① ② ③ ® N/A	56.4	① ② ③ ® N/A	54.3	① ② ③ ® N/A	54.1	● ② ③ ® N/A	50.1	● ② ③ ® N/A	55.3	● ② ③ ® N/A	57.2
69641	① ② ③ ® N/A	58.8	① ② ③ ® N/A	56.5	① ② ③ ® N/A	54.6	① ② ③ ® N/A	54.3	● ② ③ ® N/A	50.2	● ② ③ ® N/A	55.3	● ② ③ ® N/A	57.3
69298	① ② ③ ® N/A	58.3	① ② ③ ® N/A	56.3	① ② ③ ® N/A	54.3	① ② ③ ® N/A	54.2	● ② ③ ® N/A	50.4	● ② ③ ® N/A	55.6	● ② ③ ® N/A	56.3
92669	① ② ③ ● N/A	35.1	① ② ③ ● N/A	35.6	① ② ③ ® N/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])	1325		1309		1346		1305		1319		1315		1305	
Initial (6.[16])	WO: LM WO: QA		WO: LM WO: QA		WO: LM WO: QA		WO: LM WO: VM		WO: VM WO: EP		WO: VM WO: EP		WO: VM WO: EP	

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Comments:

No comments

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
Leon Montoya		191526	05-15-17
Tina Aguirre		174977	05-15-17
Tina Aguirre		174977	05-16-17
Leon Montoya		191526	05-16-17
Leon Montoya		191526	05-17-17
Tina Aguirre		174977	05-17-17
Leon Montoya		191526	05-18-17
Valerie Martinez		239958	05/18/17
Valerie Martinez		239958	05-19-17
Edward Pacheco		100497	05-19-17
Valerie Martinez		239958	05-20-17
Edward Pacheco		100497	05-20-17
Valerie Martinez		239958	05-21-17
Edward Pacheco		100497	05-21-17

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: 05-15-17/1326	Tuesday 6.[2] Date & Start Time: 05-16-17/1309	Wednesday 6.[2] Date & Start Time: 05-17-17/1347	Thursday 6.[2] Date & Start Time: 05-18-17/1305	Friday 6.[2] Date & Start Time: 05-19-17/1320	Saturday 6.[2] Date & Start Time: 05-20-17/1316	Sunday 6.[2] Date & Start Time: 05-21-17/1306
TA-54-0375 Cell 2							
Calibrated infrared thermometer (6.[3])	Brand: Fluke Model: 561 Cal. Due Date: 6-20-17 File Number 101975	Brand: Fluke Model: 561 Cal. Due Date: 6-20-17 File Number 101975	Brand: Fluke Model: 561 Cal. Due Date: 6-20-17 File Number 101975	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 101975	Brand: FLUKE Model: 561 Cal. Due Date: 06-20-17 File Number 101975	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 101975	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 101975
Ambient Temperature (6.[4])	Cell 2: 59.2 °F	Cell 2: 58.3 °F	Cell 2: 56.0 °F	Cell 2: 55.9 °F	Cell 2: 50.6 °F	Cell 2: 56.4 °F	Cell 2: 59.2 °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 ✓ ③ ® N/A	60.7	① ✓ ③ ® N/A	57.9	① ✓ ③ ® N/A	56.3	① ✓ ③ ® N/A	55.9	① ● ③ ® N/A	50.1	① ● ③ ® N/A	56.5	① ● ③ ® N/A	59.1
68638	① ② ③ ● N/A	36.2	① ② ③ ● N/A	36.6	① ② ③ ● N/A	34.6	① ② ③ ● N/A	37.4	① ② ③ ● N/A	37.0	① ② ③ ● N/A	36.9	① ② ③ ● N/A	40.1
69615	① ✓ ③ ® N/A	59.3	① ✓ ③ ® N/A	57.1	① ✓ ③ ® N/A	55.5	① ② ③ ● N/A	38.1	① ② ③ ● N/A	38.2	① ② ③ ● N/A	34.5	① ② ③ ● N/A	36.8
69635	① ✓ ③ ® N/A	59.6	① ✓ ③ ® N/A	57.5	① ✓ ③ ® N/A	55.9	① ✓ ③ ® N/A	55.5	① ● ③ ® N/A	49.9	① ● ③ ® N/A	56.3	① ● ③ ® N/A	57.5
69642	① ✓ ③ ® N/A	59.7	① ✓ ③ ® N/A	57.1	① ✓ ③ ® N/A	55.6	① ✓ ③ ® N/A	54.7	① ● ③ ® N/A	49.4	① ● ③ ® N/A	55.3	① ● ③ ® N/A	57.6
69630	① ✓ ③ ® N/A	59.9	① ✓ ③ ® N/A	57.3	① ✓ ③ ® N/A	55.5	① ✓ ③ ® N/A	54.5	① ● ③ ® N/A	49.4	① ● ③ ® N/A	55.7	① ● ③ ® N/A	58.1
69633	① ✓ ③ ® N/A	59.2	① ✓ ③ ® N/A	57.7	① ✓ ③ ® N/A	56.2	① ✓ ③ ® N/A	55.3	① ● ③ ® N/A	49.7	① ● ③ ® N/A	55.9	① ● ③ ® N/A	57.5
68430	① ✓ ③ ® N/A	59.9	① ✓ ③ ® N/A	57.2	① ✓ ③ ® N/A	55.6	① ② ③ ● N/A	37.8	① ② ③ ● N/A	37.9	① ② ③ ● N/A	36.4	① ② ③ ● N/A	38.6
68631	① ✓ ③ ® N/A	60.6	① ✓ ③ ® N/A	57.5	① ✓ ③ ® N/A	55.8	① ✓ ③ ® N/A	55.2	① ● ③ ® N/A	49.1	① ● ③ ® N/A	55.8	① ● ③ ® N/A	57.4
69634	① ✓ ③ ® N/A	61.0	① ✓ ③ ® N/A	58.6	① ✓ ③ ® N/A	56.5	① ✓ ③ ® N/A	55.8	① ● ③ ® N/A	49.4	① ● ③ ® N/A	56.2	① ● ③ ® N/A	58.1

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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	60.3	① ✓ ③ ® N/A	58.6	① ✓ ③ ® N/A	56.5	① ✓ ③ ® N/A	55.3	① ● ③ ® N/A	48.8	① ● ③ ® N/A	55.5	① ● ③ ® N/A	58.5
94227	① ✓ ③ ® N/A	59.7	① ✓ ③ ® N/A	57.5	① ✓ ③ ® N/A	56.4	① ✓ ③ ® N/A	55.3	① ● ③ ® N/A	48.9	① ● ③ ® N/A	55.7	① ● ③ ® N/A	57.8
68648	① ✓ ③ ® N/A	60.0	① ✓ ③ ® N/A	56.9	① ✓ ③ ® N/A	56.1	① ✓ ③ ® N/A	55.3	① ● ③ ® N/A	49.2	① ● ③ ® N/A	55.3	① ● ③ ® N/A	58.2
69644	① ✓ ③ ® N/A	59.7	① ✓ ③ ® N/A	57.9	① ✓ ③ ® N/A	56.1	① ✓ ③ ® N/A	55.5	① ● ③ ® N/A	49.3	① ● ③ ® N/A	55.4	① ● ③ ® N/A	57.4
69183	① ✓ ③ ® N/A	59.3	① ✓ ③ ® N/A	57.7	① ✓ ③ ® N/A	56.0	① ✓ ③ ® N/A	55.2	① ● ③ ® N/A	49.3	① ● ③ ® N/A	55.2	① ● ③ ® N/A	57.6
69638	① ✓ ③ ® N/A	60.1	① ✓ ③ ® N/A	57.7	① ✓ ③ ® N/A	56.2	① ✓ ③ ® N/A	55.4	① ● ③ ® N/A	49.0	① ● ③ ® N/A	55.7	① ● ③ ® N/A	57.0
68624	① ✓ ③ ® N/A	60.0	① ✓ ③ ® N/A	57.8	① ✓ ③ ® N/A	56.5	① ✓ ③ ® N/A	55.3	① ● ③ ® N/A	48.9	① ● ③ ® N/A	55.5	① ● ③ ® N/A	57.5
68507	① ✓ ③ ® N/A	60.0	① ✓ ③ ® N/A	57.1	① ✓ ③ ® N/A	56.0	① ✓ ③ ® N/A	55.1	① ● ③ ® N/A	49.1	① ● ③ ® N/A	55.3	① ● ③ ® N/A	57.5
69568	① ✓ ③ ® N/A	59.9	① ✓ ③ ® N/A	57.5	① ✓ ③ ® N/A	56.2	① ✓ ③ ® N/A	55.0	① ● ③ ® N/A	48.2	① ● ③ ® N/A	55.0	① ● ③ ® N/A	57.6
69553	① ✓ ③ ® N/A	60.3	① ✓ ③ ® N/A	58.0	① ✓ ③ ® N/A	56.6	① ✓ ③ ® N/A	55.0	① ● ③ ® N/A	48.7	① ● ③ ® N/A	55.7	① ● ③ ® N/A	57.5
69598	① ✓ ③ ® N/A	60.6	① ✓ ③ ® N/A	58.1	① ✓ ③ ® N/A	56.8	① ✓ ③ ® N/A	55.4	① ● ③ ® N/A	48.8	① ● ③ ® N/A	55.8	① ● ③ ® N/A	58.2
92472	① ✓ ③ ® N/A	60.8	① ✓ ③ ® N/A	57.8	① ✓ ③ ® N/A	56.2	① ✓ ③ ® N/A	55.0	① ● ③ ® N/A	49.0	① ● ③ ® N/A	55.2	① ● ③ ® N/A	57.1
92459	① ✓ ③ ® N/A	59.5	① ✓ ③ ® N/A	58.3	① ✓ ③ ® N/A	56.4	① ✓ ③ ® N/A	55.3	① ● ③ ® N/A	48.7	① ● ③ ® N/A	54.7	① ● ③ ® N/A	56.3
69015	① ✓ ③ ® N/A	60.7	① ✓ ③ ® N/A	57.0	① ✓ ③ ® N/A	55.7	① ✓ ③ ® N/A	54.6	① ● ③ ® N/A	49.2	① ● ③ ® N/A	55.2	① ● ③ ® N/A	57.8
69639	① ✓ ③ ® N/A	60.1	① ✓ ③ ® N/A	58.0	① ✓ ③ ® N/A	56.3	① ✓ ③ ® N/A	55.1	① ● ③ ® N/A	49.3	① ● ③ ® N/A	55.9	① ● ③ ® N/A	58.5
69637	① ✓ ③ ® N/A	60.1	① ✓ ③ ® N/A	57.9	① ✓ ③ ® N/A	56.5	① ✓ ③ ® N/A	54.5	① ● ③ ® N/A	48.9	① ● ③ ® N/A	55.6	① ● ③ ® N/A	58.2
End Time (6.[16])	1333	1314	1353	1311	1328	1321	1311
Initial (6.[16])	WO: cm WO: QA	WO: cm WO: QA	WO: cm WO: QA	WO: cm WO: VDM	WO: VDM WO: EP	WO: VDM WO: EP	WO: VDM WO: EP

ATTACHMENT 3
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Comments:

No Comments

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
Lena Montoya		191526	05-15-17
Tina Aguirre		174927	05-15-17
Lena Montoya		191526	05-16-17
Tina Aguirre		174927	05-16-17
Lena Montoya		191526	05-17-17
Tina Aguirre		174927	05-17-17
Lena Montoya		191526	05-18-17
Valerie Martinez		239958	05/18/17
Valerie Martinez		239958	05-19-17
Edward Pacheco		100497	05-19-17
Valerie Martinez		239958	05-20-17
Edward Pacheco		100497	05-20-17
Valerie Martinez		239958	05-21-17
Edward Pacheco		100497	05-21-17

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:
	05-15-17/1334	05-16-17/1314	05-17-17/1354	05-18-17/1311	05-19-17/1329	05-20-17/1322	05-21-17/1312
TA-54-0375 Cell 3							
Calibrated infrared thermometer (6.[3])	Brand: Fluke Model: 561 Cal. Due Date: 6-20-17 File Number 101975	Brand: Fluke Model: 561 Cal. Due Date: 6-20-17 File Number 101975	Brand: Fluke Model: 561 Cal. Due Date: 6-20-17 File Number 101975	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 101975	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 101975	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 101975	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 101975
Ambient Temperature (6.[4])	Cell 3: 59.8 °F	Cell 3: 57.8 °F	Cell 3: 56.1 °F	Cell 3: 55 °F	Cell 3: 49.3 °F	Cell 3: 55.3 °F	Cell 3: 57.6 °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	57.9	① ② ③ ® N/A	55.4	① ② ③ ® N/A	54.4	① ② ③ ® N/A	53.4	① ② ③ ® N/A	48.5	① ② ③ ® N/A	53.2	① ② ③ ® N/A	55.3
69645	① ② ③ ® N/A	55.6	① ② ③ ® N/A	53.8	① ② ③ ® N/A	51.8	① ② ③ ® N/A	50.9	① ② ③ ® N/A	47.9	① ② ③ ® N/A	52.4	① ② ③ ® N/A	54.0
94068	① ② ③ ® N/A	56.6	① ② ③ ® N/A	53.8	① ② ③ ® N/A	52.6	① ② ③ ® N/A	51.9	① ② ③ ® N/A	48.4	① ② ③ ® N/A	51.6	① ② ③ ® N/A	53.7
93605	① ② ③ ® N/A	57.5	① ② ③ ® N/A	54.8	① ② ③ ® N/A	53.9	① ② ③ ® N/A	52.7	① ② ③ ® N/A	48.7	① ② ③ ® N/A	52.7	① ② ③ ® N/A	55.4
69548	① ② ③ ® N/A	58.5	① ② ③ ® N/A	56.4	① ② ③ ® N/A	55.5	① ② ③ ® N/A	54.1	① ② ③ ® N/A	48.4	① ② ③ ® N/A	53.2	① ② ③ ® N/A	55.6

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 ③ ® N/A 57.3	① ② ③ ® N/A 56.7	① ② ③ ® N/A 55.6	① ② ③ ® N/A 53.8	① ② ③ ® N/A 48.6	① ② ③ ® N/A 54.2	① ② ③ ® N/A 55.8
68665	① ② ③ ® N/A 57.3	① ② ③ ® N/A 55.1	① ② ③ ® N/A 54.5	① ② ③ ® N/A 52.9	① ② ③ ® N/A 48.3	① ② ③ ® N/A 52.8	① ② ③ ® N/A 54.10
69595	① ② ③ ® N/A 58.2	① ② ③ ® N/A 56.0	① ② ③ ® N/A 54.7	① ② ③ ® N/A 53.8	① ② ③ ® N/A 47.9	① ② ③ ® N/A 53.4	① ② ③ ® N/A 55.8
69036	① ② ③ ® N/A 59.3	① ② ③ ® N/A 56.8	① ② ③ ® N/A 55.7	① ② ③ ® N/A 54.0	① ② ③ ® N/A 47.8	① ② ③ ® N/A 53.5	① ② ③ ® N/A 55.4
69361	① ② ③ ® N/A 58.5	① ② ③ ® N/A 56.9	① ② ③ ® N/A 55.5	① ② ③ ® N/A 54.1	① ② ③ ® N/A 48.0	① ② ③ ® N/A 54.5	① ② ③ ® N/A 56.1
69559	① ② ③ ® N/A 58.6	① ② ③ ® N/A 56.3	① ② ③ ® N/A 55.0	① ② ③ ® N/A 54.0	① ② ③ ® N/A 48.5	① ② ③ ® N/A 54.2	① ② ③ ® N/A 56.6
69491	① ② ③ ® N/A 59.1	① ② ③ ® N/A 56.1	① ② ③ ® N/A 55.1	① ② ③ ® N/A 53.9	① ② ③ ® N/A 48.4	① ② ③ ® N/A 54.1	① ② ③ ® N/A 55.7
87827	① ② ③ ® N/A 59.9	① ② ③ ® N/A 57.0	① ② ③ ® N/A 56.1	① ② ③ ® N/A 54.8	① ② ③ ® N/A 48.4	① ② ③ ® N/A 54.6	① ② ③ ® N/A 56.5
87826	① ② ③ ® N/A 60.6	① ② ③ ® N/A 57.3	① ② ③ ® N/A 56.0	① ② ③ ® N/A 55.4	① ② ③ ® N/A 48.5	① ② ③ ® N/A 54.1	① ② ③ ® N/A 55.8
87823	① ② ③ ® N/A 60.9	① ② ③ ® N/A 57.0	① ② ③ ® N/A 56.3	① ② ③ ® N/A 54.9	① ② ③ ® N/A 48.0	① ② ③ ® N/A 55.2	① ② ③ ® N/A 57.1
87825	① ② ③ ® N/A 61.8	① ② ③ ® N/A 61.2	① ② ③ ® N/A 59.7	① ② ③ ® N/A 57.5	① ② ③ ® N/A 48.0	① ② ③ ® N/A 56.9	① ② ③ ® N/A 56.1
End Time (6.[16])	1338	1318	1359	1315	1337	1326	1316
Initial (6.[16])	WO: LM WO: DA	WO: LM WO: DA	WO: LM WO: DA	WO: LM WO: VDM	WO: VDM WO: EP	WO: VDM WO: EP	WO: VDM WO: EP

ATTACHMENT 4
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Comments:

No Comments

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
Lena Montoya		191526	05-15-17
Tina Aguirre		174927	05-15-17
Lena Montoya		191526	05-16-17
Tina Aguirre		174927	05-16-17
Lena Montoya		191526	05-17-17
Tina Aguirre		174927	05-17-17
Lena Montoya		191526	05-18-17
Valerie Martinez	Valerie Martinez	239958	05/18/17
Valerie Martinez	Valerie Martinez	239958	05-19-17
Edward Pacheco	Edward Pacheco	100497	05-19-17
Valerie Martinez	Valerie Martinez	239958	05-20-17
Edward Pacheco	Edward Pacheco	100497	05-20-17
Valerie Martinez	Valerie Martinez	239958	05-21-17
Edward Pacheco	Edward Pacheco	100497	05-21-17

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: 05-22-17/1302	Tuesday 6.[2] Date & Start Time: 05-23-17/1350	Wednesday 6.[2] Date & Start Time: 05-24-17/1340	Thursday 6.[2] Date & Start Time: 05-25-17/1314	Friday 6.[2]Date & Start Time: 05-26-17/1300	Saturday 6.[2] Date & Start Time: 05-27-17/1300	Sunday 6.[2] Date & Start Time: 05-28-17/1300
TA-54-0375 Cell 1							
Calibrated infrared thermometer (6.[3])	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: 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: 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: 03-21-18 File Number
Ambient Temperature (6.[4])	Cell 1: 61.1 °F	Cell 1: 58.0 °F	Cell 1: 59.1 °F	Cell 1: 64.5 °F	Cell 1: 63.6 °F	Cell 1: 63.2 °F	Cell 1: 61.1 °F
($) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[5])	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT
Ambient Temperature (6.[7])	Refrig.: 39.0 °F	Refrig.: 37.4 °F	Refrig.: 37.1 °F	Refrig.: 36.3 °F	Refrig.: 36.3 °F	Refrig.: 35.9 °F	Refrig.: 34.2 °F
($) 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	36.6	① ② ③ ● N/A	35.0	① ② ③ ● N/A	39.1	① ② ③ ● N/A	35.4	① ② ③ ● N/A	35.0	① ② ③ ● N/A	36.4	① ② ③ ● N/A	34.1
68540	① ② ③ ● N/A	35.4	① ② ③ ● N/A	35.5	① ② ③ ● N/A	36.9	① ② ③ ● N/A	35.2	① ② ③ ● N/A	35.1	① ② ③ ● N/A	36.0	① ② ③ ● N/A	33.5
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	36.8	① ② ③ ● N/A	35.6	① ② ③ ● N/A	37.6	① ② ③ ● N/A	35.6	① ② ③ ● N/A	35.4	① ② ③ ● N/A	36.4	① ② ③ ● N/A	33.7

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INITIAL QA DATE 05-22-17

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	Monday 6.[2]		Tuesday 6.[2]		Wednesday 6.[2]		Thursday 6.[2]		Friday 6.[2]		Saturday 6.[2]		Sunday 6.[2]	
TA-54-0375 Cell 1 (continued)														
69618	① ② ③ ✓ N/A	36.5	① ② ③ ● N/A	36.3	① ② ③ ● N/A	38.9	① ② ③ ● N/A	35.6	① ② ③ ● N/A	36.9	① ② ③ ● N/A	34.7	① ② ③ ● N/A	33.0
69013	✓ ② ③ ® N/A	60.1	● ② ③ ® N/A	57.6	✓ ② ③ ® N/A	61.6	● ② ③ ® N/A	62.7	● ② ③ ® N/A	62.8	● ② ③ ® N/A	62.2	● ② ③ ® N/A	57.2
69490	✓ ② ③ ® N/A	58.7	● ② ③ ® N/A	56.3	① ② ③ ● N/A	40.0	● ② ③ ® N/A	38.0	① ② ③ ● N/A	36.0	① ② ③ ● N/A	35.3	① ② ③ ● N/A	33.4
69076	✓ ② ③ ® N/A	59.0	● ② ③ ® N/A	58.5	① ② ③ ● N/A	39.3	● ② ③ ● N/A	36.5	① ② ③ ● N/A	39.4	① ② ③ ● N/A	35.7	① ② ③ ● N/A	34.4
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	36.9	① ② ③ ● N/A	35.8	① ② ③ ● N/A	37.7	① ② ③ ● N/A	35.9	① ② ③ ● N/A	36.9	① ② ③ ● N/A	36.4	① ② ③ ● N/A	33.0
69079	① ② ③ ✓ N/A	37.3	① ② ③ ● N/A	36.5	① ② ③ ● N/A	38.2	① ② ③ ● N/A	36.1	① ② ③ ● N/A	37.7	① ② ③ ● N/A	37.1	① ② ③ ● N/A	33.4
69636	① ② ③ ✓ N/A	36.7	① ② ③ ● N/A	36.4	① ② ③ ● N/A	38.1	① ② ③ ● N/A	36.3	① ② ③ ● N/A	37.5	① ② ③ ● N/A	32.0	① ② ③ ● N/A	33.5
69616	✓ ② ③ ® N/A	59.1	● ② ③ ® N/A	56.8	✓ ② ③ ® N/A	60.4	● ② ③ ® N/A	62.2	● ② ③ ® N/A	63.2	● ② ③ ® N/A	61.1	● ② ③ ® N/A	56.6
69417	N/A		N/A		N/A		N/A		N/A		N/A		N/A	
69620	✓ ② ③ ® N/A	60.8	● ② ③ ® N/A	56.8	✓ ② ③ ® N/A	59.8	● ② ③ ® N/A	61.3	● ② ③ ® N/A	62.7	● ② ③ ® N/A	60.5	● ② ③ ® N/A	56.7
69520	✓ ② ③ ® N/A	58.4	● ② ③ ® N/A	56.0	✓ ② ③ ® N/A	59.5	● ② ③ ® N/A	61.6	● ② ③ ® N/A	62.6	● ② ③ ® N/A	61.4	● ② ③ ® N/A	56.5
69641	✓ ② ③ ® N/A	58.6	● ② ③ ® N/A	57.0	✓ ② ③ ® N/A	59.4	● ② ③ ® N/A	61.7	● ② ③ ® N/A	63.4	● ② ③ ® N/A	61.9	● ② ③ ® N/A	56.7
69298	✓ ② ③ ® N/A	58.6	● ② ③ ® N/A	56.5	✓ ② ③ ® N/A	59.1	● ② ③ ® N/A	62.3	● ② ③ ® N/A	62.9	● ② ③ ® N/A	60.5	● ② ③ ® N/A	56.6
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		1356		1345		1322		1307		1308		1306	
Initial (6.[16])	WO: EA WO: QA		WO: EA WO: QA		WO: MZ WO: QA		WO: EA WO: QA		WO: LMM WO: QA		WO: LMM WO: QA		WO: LMM WO: QA	

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Comments:

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
Fabian Anaya	Fabian Anaya	174963	05-22-17
Tina Aguirre	Tina Aguirre	174977	05-22-17
Fabian Anaya	Fabian Anaya	174963	05-23-17
Tina Aguirre	Tina Aguirre	174977	05-23-17
MATTHEW ZOCCO	Matthew Z	311676	05-24-17
Tina Aguirre	Tina Aguirre	174977	05-24-17
Fabian Anaya	Fabian Anaya	174963	05-25-17
Tina Aguirre	Tina Aguirre	174977	05-25-17
Leon montoya		191526	05-26-17
Tina Aguirre	Tina Aguirre	174977	05.26-17
Leon montoya		191526	05-27-17
Tina Aguirre	Tina Aguirre	174977	05-27-17
Leon montoya		191526	05-28-17
Tina Aguirre	Tina Aguirre	174977	05-28-17

10.1[2] Reviewed by:

SOM (print)	Signature	Z#	Date

191526 05-28-17

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: 05-22-17/1309	Tuesday 6.[2] Date & Start Time: 05-23-17/1356	Wednesday 6.[2] Date & Start Time: 05-24-17/1346	Thursday 6.[2] Date & Start Time: 05-25-17/1322	Friday 6.[2] Date & Start Time: 05-26-17/1308	Saturday 6.[2] Date & Start Time: 05-27-17/1309	Sunday 6.[2] Date & Start Time: 05-28-17/1307
TA-54-0375 Cell 2							
Calibrated infrared thermometer (6.[3])	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: 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: 3-21-18 File Number 104841	Brand: Fluke Model: 561 Cal. Due Date: 3-21-18 File Number 104841	Brand: Fluke Model: 561 Cal. Due Date: 3-21-18 File Number 104841
Ambient Temperature (6.[4])	Cell 2: 60.6 °F	Cell 2: 58.6 °F	Cell 2: 62.4 °F	Cell 2: 64.0 °F	Cell 2: 64.4 °F	Cell 2: 63.5 °F	Cell 2: 58.4 °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 ● ③ ® N/A	60.3	① ● ③ ® N/A	57.6	① ● ③ ® N/A	61.4	① ● ③ ® N/A	63.6	① ● ③ ® N/A	65.1	① ● ③ ® N/A	64.0	① ● ③ ® N/A	58.6
68638	① ② ③ ● N/A	37.8	① ② ③ ® (N/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	37.0	① ② ③ ● N/A	36.0	① ② ③ ● N/A	38.7	① ② ③ ● N/A	37.3	① ② ③ ● N/A	38.1	① ② ③ ● N/A	36.5	① ② ③ ● N/A	33.7
69635	① ● ③ ® N/A	60.0	① ● ③ ® N/A	57.1	① ● ③ ® N/A	60.4	① ● ③ ® N/A	62.4	① ● ③ ® N/A	63.4	① ● ③ ® N/A	62.4	① ● ③ ® N/A	58.2
69642	① ● ③ ® N/A	59.0	① ● ③ ® N/A	57.3	① ● ③ ® N/A	60.0	① ● ③ ® N/A	62.2	① ● ③ ® N/A	62.9	① ● ③ ® N/A	62.1	① ● ③ ® N/A	57.4
69630	① ● ③ ® N/A	59.3	① ● ③ ® N/A	57.1	① ● ③ ® N/A	60.2	① ● ③ ® N/A	62.3	① ● ③ ® N/A	63.1	① ● ③ ® N/A	62.2	① ● ③ ® N/A	58.5
69633	① ● ③ ® N/A	59.2	① ● ③ ® N/A	57.7	① ● ③ ® N/A	60.3	① ● ③ ® N/A	62.9	① ● ③ ® N/A	64.1	① ● ③ ® N/A	62.7	① ● ③ ® N/A	57.5
68430	① ② ③ ● N/A	37.5	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	① ② ③ ® (N/A)	N/A
68631	① ● ③ ® N/A	60.0	① ● ③ ® N/A	57.1	① ● ③ ® N/A	60.5	① ● ③ ® N/A	63.0	① ● ③ ® N/A	62.9	① ● ③ ® N/A	61.6	① ● ③ ® N/A	58.7
69634	① ● ③ ® N/A	59.6	① ● ③ ® N/A	58.3	① ● ③ ® N/A	60.5	① ● ③ ® N/A	63.2	① ● ③ ® N/A	63.3	① ● ③ ® N/A	62.3	① ● ③ ® N/A	58.6

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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 59.6	① ● ③ ® N/A 58.6	① ● ③ ® N/A 61.4	① ● ③ ® N/A 62.6	① ● ③ ® N/A 62.7	① ● ③ ® N/A 62.5	① ● ③ ® N/A 58.1
94227	① ● ③ ® N/A 58.9	① ● ③ ® N/A 56.9	① ● ③ ® N/A 59.7	① ● ③ ® N/A 62.5	① ● ③ ® N/A 63.1	① ● ③ ® N/A 62.2	① ● ③ ® N/A 58.6
68648	① ● ③ ® N/A 59.2	① ● ③ ® N/A 57.4	① ● ③ ® N/A 61.5	① ● ③ ® N/A 63.0	① ● ③ ® N/A 61.4	① ● ③ ® N/A 62.6	① ● ③ ® N/A 57.3
69644	① ● ③ ® N/A 58.8	① ● ③ ® N/A 56.6	① ● ③ ® N/A 59.5	① ● ③ ® N/A 62.2	① ● ③ ® N/A 62.7	① ● ③ ® N/A 61.6	① ● ③ ® N/A 57.9
69183	① ● ③ ® N/A 58.8	① ● ③ ® N/A 57.1	① ● ③ ® N/A 60.4	① ● ③ ® N/A 62.7	① ● ③ ® N/A 62.3	① ● ③ ® N/A 61.9	① ● ③ ® N/A 57.8
69638	① ● ③ ® N/A 58.7	① ● ③ ® N/A 56.6	① ● ③ ® N/A 60.0	① ● ③ ® N/A 62.0	① ● ③ ® N/A 63.2	① ● ③ ® N/A 61.9	① ● ③ ® N/A 58.2
68624	① ● ③ ® N/A 60.0	① ● ③ ® N/A 57.1	① ● ③ ® N/A 60.9	① ● ③ ® N/A 62.2	① ● ③ ® N/A 62.7	① ● ③ ® N/A 61.6	① ● ③ ® N/A 57.9
68507	① ● ③ ® N/A 58.8	① ● ③ ® N/A 56.8	① ● ③ ® N/A 58.9	① ● ③ ® N/A 62.1	① ● ③ ® N/A 62.3	① ● ③ ® N/A 61.0	① ● ③ ® N/A 56.0
69568	① ● ③ ® N/A 59.3	① ● ③ ® N/A 57.1	① ● ③ ® N/A 61.1	① ● ③ ® N/A 62.9	① ● ③ ® N/A 62.3	① ● ③ ® N/A 61.8	① ● ③ ® N/A 58.0
69553	① ● ③ ® N/A 59.0	① ● ③ ® N/A 56.8	① ● ③ ® N/A 58.8	① ● ③ ® N/A 62.4	① ● ③ ® N/A 63.1	① ● ③ ® N/A 62.9	① ● ③ ® N/A 58.9
69598	① ● ③ ® N/A 60.1	① ● ③ ® N/A 58.0	① ● ③ ® N/A 61.3	① ● ③ ® N/A 63.8	① ● ③ ® N/A 63.2	① ● ③ ® N/A 62.2	① ● ③ ® N/A 58.6
92472	① ● ③ ® N/A 60.0	① ● ③ ® N/A 57.0	① ● ③ ® N/A 60.4	① ● ③ ® N/A 62.6	① ● ③ ® N/A 63.0	① ● ③ ® N/A 62.3	① ● ③ ® N/A 58.6
92459	① ● ③ ® N/A 59.1	① ● ③ ® N/A 56.9	① ● ③ ® N/A 60.4	① ● ③ ® N/A 62.6	① ● ③ ® N/A 63.0	① ● ③ ® N/A 62.6	① ● ③ ® N/A 59.0
69015	① ● ③ ® N/A 58.8	① ● ③ ® N/A 56.9	① ● ③ ® N/A 60.1	① ● ③ ® N/A 62.0	① ● ③ ® N/A 62.4	① ● ③ ® N/A 61.2	① ● ③ ® N/A 57.5
69639	① ● ③ ® N/A 59.2	① ● ③ ® N/A 56.3	① ● ③ ® N/A 60.3	① ● ③ ® N/A 62.3	① ● ③ ® N/A 62.7	① ● ③ ® N/A 62.0	① ● ③ ® N/A 58.4
69637	① ● ③ ® N/A 59.7	① ● ③ ® N/A 57.1	① ● ③ ® N/A 60.0	① ● ③ ® N/A 62.9	① ● ③ ® N/A 61.9	① ● ③ ® N/A 62.4	① ● ③ ® N/A 58.4
End Time (6.[16])	1314	1401	1351	1327	1314	1314	1313
Initial (6.[16])	WO: FA WO: DA	WO: FA WO: DA	WO: MZ WO: DA	WO: FA WO: DA	WO: LM WO: DA	WO: LM WO: DA	WO: LM WO: DA

ATTACHMENT 3
Page 3 of 3

Comments:

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
Fabian Anaya	Fabian Anaya	174963	05-22-17
Tina Aguirre	Tina Aguirre	174977	05-22-17
Fabian Anaya	Fabian Anaya	174963	05-23-17
Tina Aguirre	Tina Aguirre	174977	05-23-17
MATTHEW TAFOYA	Matthew Tafoya Jr	311676	05-24-17
Tina Aguirre	Tina Aguirre	174977	05-24-17
Fabian Anaya	Fabian Anaya	174963	05-25-17
Tina Aguirre	Tina Aguirre	174977	05-25-17
Leon montoya	Leon Montoya	191526	05-26-17
Tina Aguirre	Tina Aguirre	174977	05-26-17
Leon montoya	Leon Montoya	191526	05-27-17
Tina Aguirre	Tina Aguirre	174977	05-27-17
Leon montoya	Leon Montoya	191526	05-28-17
Tina Aguirre	Tina Aguirre	174977	05-28-17

10.1[2] Reviewed by:

SOM (print)	Signature	Z#	Date

191526 05-28-17

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:
	05-22-17/1314	05-23-17/1401	05-24-17/1352	05-25-17/1327	05-26-17/1315	05-27-17/1315	05-28-17/1314
TA-54-0375 Cell 3							
Calibrated infrared thermometer (6.[3])	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: 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: 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: 03-21-18 File Number 104841
Ambient Temperature (6.[4])	Cell 3: 59.8 °F	Cell 3: 57.2 °F	Cell 3: 59.2 °F	Cell 3: 63.0 °F	Cell 3: 61.3 °F	Cell 3: 61.6 °F	Cell 3: 57.2 °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 ● ® N/A	56.6	① ② ● ® N/A	54.0	① ② ● ® N/A	57.6	① ② ● ® N/A	60.1	① ② ● ® N/A	59.3	① ② ● ® N/A	59.2	① ② ● ® N/A	54.9
69645	① ② ● ® N/A	55.3	① ② ● ® N/A	52.4	① ② ● ® N/A	56.2	① ② ● ® N/A	57.5	① ② ● ® N/A	57.3	① ② ● ® N/A	58.0	① ② ● ® N/A	52.2
94068	① ② ● ® N/A	56.0	① ② ● ® N/A	54.0	① ② ● ® N/A	57.5	① ② ● ® N/A	59.2	① ② ● ® N/A	58.0	① ② ● ® N/A	57.8	① ② ● ® N/A	52.8
93605	① ② ● ® N/A	56.2	① ② ● ® N/A	54.3	① ② ● ® N/A	57.4	① ② ● ® N/A	59.5	① ② ● ® N/A	59.3	① ② ● ® N/A	58.8	① ② ● ® N/A	54.1
69548	① ② ● ® N/A	57.2	① ② ● ® N/A	55.4	① ② ● ® N/A	58.7	① ② ● ® N/A	60.7	① ② ● ® N/A	60.4	① ② ● ® N/A	60.8	① ② ● ® N/A	55.4

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	57.1	① ② ● ® N/A	54.8	① ② ● ® N/A	59.0	① ② ● ® N/A	59.5	① ② ● ® N/A	59.5	① ② ● ® N/A	59.6	① ② ● ® N/A	55.4
68665	① ② ● ® N/A	56.2	① ② ● ® N/A	54.8	① ② ● ® N/A	57.9	① ② ● ® N/A	58.7	① ② ● ® N/A	59.1	① ② ● ® N/A	58.6	① ② ● ® N/A	55.3
69595	① ② ● ® N/A	56.8	① ② ● ® N/A	54.9	① ② ● ® N/A	58.0	① ② ● ® N/A	59.9	① ② ● ® N/A	59.9	① ② ● ® N/A	59.6	① ② ● ® N/A	55.7
69036	① ② ● ® N/A	57.2	① ② ● ® N/A	56.7	① ② ● ® N/A	59.6	① ② ● ® N/A	61.7	① ② ● ® N/A	60.4	① ② ● ® N/A	60.7	① ② ● ® N/A	57.1
69361	① ② ● ® N/A	57.8	① ② ● ® N/A	55.3	① ② ● ® N/A	58.0	① ② ● ® N/A	60.7	① ② ● ® N/A	61.4	① ② ● ® N/A	60.4	① ② ● ® N/A	56.0
69559	① ② ● ® N/A	57.1	① ② ● ® N/A	55.8	① ② ● ® N/A	60.3	① ② ● ® N/A	60.6	① ② ● ® N/A	59.8	① ② ● ® N/A	59.8	① ② ● ® N/A	55.7
69491	① ② ● ® N/A	58.0	① ② ● ® N/A	55.2	① ② ● ® N/A	56.7	① ② ● ® N/A	60.6	① ② ● ® N/A	80.1	① ② ● ® N/A	58.8	① ② ● ® N/A	55.8
87827	① ② ● ® N/A	59.2	① ② ● ® N/A	57.6	① ② ● ® N/A	60.0	① ② ● ® N/A	62.4	① ② ● ® N/A	62.1	① ② ● ® N/A	62.1	① ② ● ® N/A	56.5
87826	① ② ● ® N/A	58.2	① ② ● ® N/A	56.8	① ② ● ® N/A	57.9	① ② ● ® N/A	60.6	① ② ● ® N/A	62.1	① ② ● ® N/A	62.4	① ② ● ® N/A	56.7
87823	① ② ● ® N/A	58.5	① ② ● ® N/A	56.8	① ② ● ® N/A	59.8	① ② ● ® N/A	62.6	① ② ● ® N/A	62.3	① ② ● ® N/A	61.7	① ② ● ® N/A	57.7
87825	① ② ● ® N/A	60.8	① ② ● ® N/A	59.6	① ② ● ® N/A	60.1	① ② ● ® N/A	63.4	① ② ● ® N/A	64.0	① ② ● ® N/A	63.4	① ② ● ® N/A	59.8
End Time (6.[16])	1318		1408		1356		1331		1320		1322		1319	
Initial (6.[16])	WO: FA WO: DA		WO: FA WO: DA		WO: MZ WO: DA		WO: FA WO: FA		WO: km WO: DA		WO: km WO: DA		WO: km WO: DA	

ATTACHMENT 4
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Comments:

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
Fabian Anaya	Fabian Anaya	174963	05-22-17
Tina Aguirre	Tina Aguirre	174977	05-22-17
Fabian Anaya	Fabian Anaya	174963	05-23-17
Tina Aguirre	Tina Aguirre	174977	05-23-17
MATTHEW ZOCCO	Matthew Z	311676	05-24-17
Tina Aguirre	Tina Aguirre	174977	05-24-17
Fabian Anaya	Fabian Anaya	174963	05-25-17
Tina Aguirre	Tina Aguirre	174977	05-25-17
Leon Montoya		191526	05-26-17
Tina Aguirre	Tina Aguirre	174977	05-26-17
Leon Montoya		191526	05-27-17
Tina Aguirre	Tina Aguirre	174977	05-27-17
Leon Montoya		191526	05-28-17
Tina Aguirre	Tina Aguirre	174977	05-28-17

10.1[2] Reviewed by:

SOM (print)	Signature	Z#	Date

191526 05-28-17
169840 ✓
239938 5-25-17
191526 5-26-17
191526 05-27-17

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: 05-29-17/1300	Tuesday 6.[2] Date & Start Time: 05-30-17/1300	Wednesday 6.[2] Date & Start Time: 05-31-17/1353	Thursday 6.[2] Date & Start Time: 06-01-17/1301	Friday 6.[2]Date & Start Time: 06-02-17/1300	Saturday 6.[2] Date & Start Time: 06-03-17/1301	Sunday 6.[2] Date & Start Time: 06-04-17/1300
TA-54-0375 Cell 1							
Calibrated infrared thermometer (6.[3])	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: 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: 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: 03-21-18 File Number 104841
Ambient Temperature (6.[4])	Cell 1: 60.9 °F	Cell 1: 64.3 °F	Cell 1: 66.8 °F	Cell 1: 68.7 °F	Cell 1: 65.3 °F	Cell 1: 66.9 °F	Cell 1: 67.7 °F
($) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[5])	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT
Ambient Temperature (6.[7])	Refrig.: 35.1 °F	Refrig.: 35.3 °F	Refrig.: 36.3 °F	Refrig.: 37.2 °F	Refrig.: 36.3 °F	Refrig.: 36.3 °F	Refrig.: 36.6 °F
($) 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	①② ③ ● N/A	34.6	①② ③ ● N/A	34.3	①② ③ ● N/A	37.3	①② ③ ● N/A	34.5	①② ③ ● N/A	35.0	①② ③ ● N/A	34.8	①② ③ ● N/A	34.6
68540	①② ③ ● N/A	34.8	①② ③ ● N/A	34.9	①② ③ ● N/A	36.5	①② ③ ● N/A	34.8	①② ③ ● N/A	35.0	①② ③ ● N/A	35.2	①② ③ ● N/A	34.9
68553	①② ③ ® (N/A)	N/A	①② ③ ® (N/A)	N/A	①② ③ ® (N/A)	N/A	①② ③ ® (N/A)	N/A	①② ③ ® (N/A)	N/A	①② ③ ® (N/A)	N/A	①② ③ ® (N/A)	N/A
69445	①② ③ ● N/A	35.4	①② ③ ● N/A	35.2	①② ③ ● N/A	37.0	①② ③ ® (N/A)	N/A	①② ③ ® (N/A)	N/A	①② ③ ® (N/A)	N/A	①② ③ ® (N/A)	N/A

WORKING COPY
Z# 174977
INITIAL [illegible] DATE 05-29-17

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	35.3	① ② ③ ● N/A	35.7	① ② ③ ● N/A	37.5	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
69013	● ② ③ ® N/A	59.9	● ② ③ ® N/A	62.8	✓ ② ③ ® N/A	60.7	✓ ② ③ ® N/A	62.1	FA 06.02.17 ● ② ③ N/A	38.9	① ② ③ ● N/A	35.8	① ② ③ ● N/A	35.9
69490	① ② ③ ● N/A	35.4	① ② ③ ● N/A	36.0	① ② ③ ● N/A	36.9	① ② ③ ● N/A	35.0	① ② ③ ● N/A	35.6	① ② ③ ● N/A	35.7	① ② ③ ● N/A	35.7
69076	① ② ③ ● N/A	36.4	① ② ③ ● N/A	40.0	① ② ③ ● N/A	38.9	① ② ③ ● N/A	35.9	① ② ③ ● N/A	35.8	① ② ③ ● N/A	36.5	① ② ③ ● N/A	36.5
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	35.4	① ② ③ ● N/A	36.1	① ② ③ ● N/A	37.5	① ② ③ ● N/A	35.0	① ② ③ ● N/A	35.7	① ② ③ ● N/A	35.7	① ② ③ ● N/A	35.4
69079	① ② ③ ● N/A	36.2	① ② ③ ● N/A	36.4	① ② ③ ● N/A	38.0	① ② ③ ● N/A	36.4	① ② ③ ● N/A	36.1	① ② ③ ● N/A	36.3	① ② ③ ● N/A	36.1
69636	① ② ③ ● N/A	36.1	① ② ③ ● N/A	36.7	① ② ③ ● N/A	37.3	① ② ③ ● N/A	36.6	① ② ③ ● N/A	35.9	① ② ③ ● N/A	35.8	① ② ③ ● N/A	36.8
69616	● ② ③ ® N/A	60.0	● ② ③ ® N/A	63.1	✓ ② ③ ® N/A	60.5	✓ ② ③ ® N/A	62.2	● ② ③ ® N/A	62.3	● ② ③ ® N/A	64.2	● ② ③ ® N/A	65.9
69417	N/A		N/A		N/A		N/A		N/A		N/A		N/A	
69620	● ② ③ ® N/A	59.2	● ② ③ ® N/A	61.0	✓ ② ③ ® N/A	60.8	✓ ② ③ ® N/A	62.4	● ② ③ ® N/A	62.0	● ② ③ ® N/A	63.1	● ② ③ ® N/A	65.2
69520	● ② ③ ® N/A	59.2	● ② ③ ® N/A	61.2	✓ ② ③ ® N/A	59.9	✓ ② ③ ® N/A	61.2	● ② ③ ® N/A	61.2	● ② ③ ® N/A	62.9	● ② ③ ® N/A	64.8
69641	● ② ③ ® N/A	60.2	● ② ③ ® N/A	61.3	✓ ② ③ ® N/A	60.9	✓ ② ③ ® N/A	61.6	● ② ③ ® N/A	61.8	● ② ③ ® N/A	63.6	● ② ③ ® N/A	65.9
69298	● ② ③ ® N/A	59.5	● ② ③ ® N/A	61.3	✓ ② ③ ® N/A	59.3	✓ ② ③ ® N/A	61.7	FA 06.02.17 ● ② ③ N/A	37.3	① ② ③ ● N/A	36.6	① ② ③ ● N/A	36.3
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		1307		1359		1306		1305		1306		1305	
Initial (6.[16])	WO: [illegible] WO: [illegible]		WO: MZ WO: [illegible]		WO: MZ WO: [illegible]		WO: MZ WO: EP		WO: FA WO: EP		WO: FA WO: EP		WO: FA WO: EP	

ATTACHMENT 2
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Comments:

NO Further Comments

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
Leon Montoya		191526	05.29.17
Tina Aguirre		174977	05.29-17
MATTHEW ZOCCO		311676	05-30-17
Tina Aguirre		174977	05-30-17
MATTHEW ZOCCO		311676	05-31-17
Tina Aguirre		174977	05-31-17
MATTHEW ZOCCO		311676	06-01-17
Edward Pacheco		100497	06-01-17
Fabian Anaya		174963	06-02-17
Edward Pacheco		100497	06-02-17
Fabian Anaya		174963	06-03-17
Edward Pacheco		100497	06-03-17
Fabian Anaya		174963	06-04-17
Edward Pacheco		100497	06-04-17

10.1[2] Reviewed by:

SOM (print)	Signature	Z#	Date

VBN 5/31/17
6-1-17
191526
FA 174963 06-04-

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: 05-29-17/1309	Tuesday 6.[2] Date & Start Time: 05-30-17/1308	Wednesday 6.[2] Date & Start Time: 05-31-17/1400	Thursday 6.[2] Date & Start Time: 06-01-17/1307	Friday 6.[2] Date & Start Time: 06-02-17/1306	Saturday 6.[2] Date & Start Time: 06-03-17/1307	Sunday 6.[2] Date & Start Time: 06-04-17/1306
TA-54-0375 Cell 2							
Calibrated infrared thermometer (6.[3])	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: 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: 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: 03-21-18 File Number 104841
Ambient Temperature (6.[4])	Cell 2: 61.2 °F	Cell 2: 63.3 °F	Cell 2: 62.7 °F	Cell 2: 64.0 °F	Cell 2: 63.3 °F	Cell 2: 65.5 °F	Cell 2: 66.9 °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 ● ③ ® N/A	60.8	① ✓ ③ ® N/A	63.2	① ✓ ③ ® N/A	63.2	① ✓ ③ ® N/A	63.5	① ● ③ ® N/A	63.4	① ● ③ ® N/A	65.4	① ● ③ ® N/A	67.6
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	35.6	① ② ③ ● N/A	37.8	① ② ③ ● N/A	36.8	① ② ③ ● N/A	36.2	① ② ③ ● N/A	36.8	① ② ③ ● N/A	36.9
69635	① ● ③ ® N/A	59.8	① ✓ ③ ® N/A	62.2	① ✓ ③ ® N/A	63.4	① ✓ ③ ® N/A	62.8	① ● ③ ® N/A	62.6	① ● ③ ® N/A	64.6	① ● ③ ® N/A	66.0
69642	① ● ③ ® N/A	59.5	① ✓ ③ ® N/A	61.5	① ✓ ③ ® N/A	61.3	① ✓ ③ ® N/A	62.5	① ● ③ ® N/A	61.9	① ● ③ ® N/A	65.3	① ● ③ ® N/A	65.9
69630	① ● ③ ® N/A	59.9	① ✓ ③ ® N/A	61.8	① ✓ ③ ® N/A	61.8	① ✓ ③ ® N/A	63.1	① ● ③ ® N/A	62.4	① ● ③ ® N/A	64.1	① ● ③ ® N/A	65.8
69633	① ● ③ ® N/A	59.3	① ✓ ③ ® N/A	61.2	① ✓ ③ ® N/A	60.7	① ✓ ③ ® N/A	62.4	① ● ③ ® N/A	62.5	① ● ③ ® N/A	64.4	① ● ③ ® N/A	66.4
68430	① ② ③ ® (N/A)	N/A	① ② ③ ® (N/A)	N/A	① ② ③ ® (N/A)	N/A	① ✓ ③ ® (N/A) 06-01-17	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 ● ③ ® N/A	60.2	① ✓ ③ ® N/A	61.3	① ✓ ③ ® N/A	61.6	① ✓ ③ ® N/A	63.2	① ● ③ ® N/A	62.1	① ● ③ ® N/A	64.0	① ● ③ ® N/A	66.8
69634	① ● ③ ® N/A	60.4	① ✓ ③ ® N/A	64.1	① ✓ ③ ® N/A	60.8	① ✓ ③ ® N/A	62.3	① ● ③ ® N/A	62.7	① ● ③ ® N/A	65.6	① ● ③ ® N/A	65.9

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 ● ③ ® N/A	60.1	① Ø ③ ® N/A	61.9	① Ø ③ ® N/A	61.7	① Ø ③ ® N/A	63.5	① ● ③ ® N/A	62.6	① ● ③ ® N/A	63.6	① ● ③ ® N/A	66.4
94227	① ● ③ ® N/A	59.7	① Ø ③ ® N/A	60.5	① Ø ③ ® N/A	60.8	① Ø ③ ® N/A	62.0	① ● ③ ® N/A	62.1	① ● ③ ® N/A	64.3	① ● ③ ® N/A	65.4
68648	① ● ③ ® N/A	59.1	① Ø ③ ® N/A	61.8	① Ø ③ ® N/A	61.2	① Ø ③ ® N/A	62.2	① ● ③ ® N/A	63.0	① ● ③ ® N/A	63.6	① ● ③ ® N/A	65.7
69644	① ● ③ ® N/A	59.4	① Ø ③ ® N/A	60.3	① Ø ③ ® N/A	61.6	① Ø ③ ® N/A	61.8	① ● ③ ® N/A	61.5	① ● ③ ® N/A	63.4	① ● ③ ® N/A	65.0
69183	① ● ③ ® N/A	59.5	① Ø ③ ® N/A	61.0	① Ø ③ ® N/A	60.5	① Ø ③ ® N/A	61.9	① ● ③ ® N/A	61.9	① ● ③ ® N/A	63.4	① ● ③ ® N/A	65.3
69638	① ● ③ ® N/A	59.5	① Ø ③ ® N/A	60.9	① Ø ③ ® N/A	60.9	① Ø ③ ® N/A	62.2	① ● ③ ® N/A	61.6	① ● ③ ® N/A	63.4	① ● ③ ® N/A	65.1
68624	① ● ③ ® N/A	60.8	① Ø ③ ® N/A	63.0	① Ø ③ ® N/A	61.5	① Ø ③ ® N/A	62.0	① ● ③ ® N/A	62.3	① ● ③ ® N/A	63.5	① ● ③ ® N/A	65.3
68507	① ● ③ ® N/A	59.9	① Ø ③ ® N/A	60.4	① Ø ③ ® N/A	60.9	① Ø ③ ® N/A	61.7	① ● ③ ® N/A	61.6	① ● ③ ® N/A	63.0	① ● ③ ® N/A	65.0
69568	① ● ③ ® N/A	59.9	① Ø ③ ® N/A	61.2	① Ø ③ ® N/A	60.4	① Ø ③ ® N/A	62.1	① ● ③ ® N/A	61.3	① ● ③ ® N/A	63.6	① ● ③ ® N/A	65.3
69553	① ● ③ ® N/A	59.8	① Ø ③ ® N/A	62.0	① Ø ③ ® N/A	62.3	① Ø ③ ® N/A	62.5	① ● ③ ® N/A	62.1	① ● ③ ® N/A	64.2	① ● ③ ® N/A	65.3
69598	① ● ③ ® N/A	60.2	① Ø ③ ® N/A	62.1	① Ø ③ ® N/A	61.8	① Ø ③ ® N/A	63.4	① ● ③ ® N/A	63.2	① ● ③ ® N/A	64.7	① ● ③ ® N/A	65.9
92472	① ● ③ ® N/A	60.8	① Ø ③ ® N/A	60.9	① Ø ③ ® N/A	60.7	① Ø ③ ® N/A	63.1	① ● ③ ® N/A	62.2	① ● ③ ® N/A	63.5	① ● ③ ® N/A	65.5
92459	① ● ③ ® N/A	60.5	① Ø ③ ® N/A	61.3	① Ø ③ ® N/A	61.0	① Ø ③ ® N/A	62.3	① ● ③ ® N/A	62.3	① ● ③ ® N/A	63.6	① ● ③ ® N/A	65.8
69015	① ● ③ ® N/A	59.6	① Ø ③ ® N/A	59.8	① Ø ③ ® N/A	61.3	① Ø ③ ® N/A	63.1	① ● ③ ® N/A	63.0	① ● ③ ® N/A	63.1	① ● ③ ® N/A	65.8
69639	① ● ③ ® N/A	60.1	① Ø ③ ® N/A	61.1	① Ø ③ ® N/A	61.2	① Ø ③ ® N/A	62.7	① ● ③ ® N/A	62.0	① ● ③ ® N/A	63.8	① ● ③ ® N/A	65.6
69637	① ● ③ ® N/A	60.0	① Ø ③ ® N/A	61.7	① Ø ③ ® N/A	60.8	① Ø ③ ® N/A	62.6	① ● ③ ® N/A	61.7	① ● ③ ® N/A	63.3	① ● ③ ® N/A	66.5
End Time (6.[16])	1316		1312		1404		1311		1311		1311		1311	
Initial (6.[16])	WO: LM WO: [illegible]		WO: MZ WO: LMZ		WO: MZ WO: [illegible]		WO: MZ WO: EP		WO: FA WO: EP		WO: FA WO: EP		WO: FA WO: EP	

ATTACHMENT 3
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Comments:

NO Further Comments

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
Leon Montoya		185526	05-29-17
Lina Aguirre		174977	05-29-17
MATTHEW ZOCCO		311676	05-30-17
Lina Aguirre		174977	05-30-17
MATTHEW ZOCCO		311676	05-31-17
Lina Aguirre		174977	05-31-17
MATTHEW ZOCCO		311676	06-01-17
Edward Pacheco		100497	06-01-17
Fabian Anaya		174963	06-02-17
Edward Pacheco		100497	06-02-17
Fabian Anaya		174963	06-03-17
Edward Pacheco		100497	06-03-17
Fabian Anaya		174963	06-04-17
Edward Pacheco		100497	06-04-17

10.1[2] Reviewed by:

SOM (print)	Signature	Z#	Date

✓RM 5/31/17
FA - 06-04-17

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:
	05-29-17/1317	05-30-17/1313	05-31-17/1405	06-01-17/1312	06-02-17/1312	06-03-17/1312	06-04-17/1312
TA-54-0375 Cell 3							
Calibrated infrared thermometer (6.[3])	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: 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: 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: 03-21-18 File Number 104841
Ambient Temperature (6.[4])	Cell 3: 59.0 °F	Cell 3: 60.8 °F	Cell 3: 59.8 °F	Cell 3: 61.4 °F	Cell 3: 62.2 °F	Cell 3: 64.3 °F	Cell 3: 64.6 °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 ● ® N/A	56.8	① ② ③ ® N/A	58.4	① ② ③ ® N/A	57.7	① ② ③ ® N/A	59.6	① ② ● ® N/A	60.7	① ② ● ® N/A	61.5	① ② ● ® N/A	62.7
69645	① ② ● ® N/A	55.4	① ② ③ ® N/A	57.0	① ② ③ ® N/A	55.7	① ② ③ ® N/A	58.2	① ② ● ® N/A	57.8	① ② ● ® N/A	58.3	① ② ● ® N/A	61.0
94068	① ② ● ® N/A	58.5	① ② ③ ® N/A	57.9	① ② ③ ® N/A	57.1	① ② ③ ® N/A	59.3	① ② ● ® N/A	59.0	① ② ● ® N/A	60.1	① ② ● ® N/A	62.8
93605	① ② ● ® N/A	56.7	① ② ③ ® N/A	58.5	① ② ③ ® N/A	57.5	① ② ③ ® N/A	59.6	① ② ● ® N/A	59.4	① ② ● ® N/A	61.7	① ② ● ® N/A	62.8
69548	① ② ● ® N/A	56.7	① ② ③ ® N/A	60.0	① ② ③ ® N/A	59.0	① ② ③ ® N/A	60.1	① ② ● ® N/A	60.9	① ② ● ® N/A	61.4	① ② ● ® N/A	63.6

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 52.1	① ② ● ® N/A 58.5	① ② ● ® N/A 58.2	① ② ● ® N/A 60.6	① ② ● ® N/A 59.2	① ② ● ® N/A 60.6	① ② ● ® N/A 62.9
68665	① ② ● ® N/A 56.6	① ② ● ® N/A 58.6	① ② ● ® N/A 57.9	① ② ● ® N/A 60.1	① ② ● ® N/A 59.5	① ② ● ® N/A 59.9	① ② ● ® N/A 62.2
69595	① ② ● ® N/A 57.3	① ② ● ® N/A 58.0	① ② ● ® N/A 57.6	① ② ● ® N/A 60.2	① ② ● ® N/A 59.8	① ② ● ® N/A 60.8	① ② ● ® N/A 62.7
69036	① ② ● ® N/A 58.3	① ② ● ® N/A 59.2	① ② ● ® N/A 58.4	① ② ● ® N/A 61.2	① ② ● ® N/A 62.3	① ② ● ® N/A 61.5	① ② ● ® N/A 64.8
69361	① ② ● ® N/A 58.2	① ② ● ® N/A 59.9	① ② ● ® N/A 59.2	① ② ● ® N/A 60.6	① ② ● ® N/A 60.2	① ② ● ® N/A 61.6	① ② ● ® N/A 63.7
69559	① ② ● ® N/A 57.7	① ② ● ® N/A 59.2	① ② ● ® N/A 58.7	① ② ● ® N/A 61.0	① ② ● ® N/A 61.0	① ② ● ® N/A 61.7	① ② ● ® N/A 63.3
69491	① ② ● ® N/A 57.4	① ② ● ® N/A 58.9	① ② ● ® N/A 58.4	① ② ● ® N/A 60.7	① ② ● ® N/A 60.7	① ② ● ® N/A 61.2	① ② ● ® N/A 64.8
87827	① ② ● ® N/A 58.7	① ② ● ® N/A 61.1	① ② ● ® N/A 59.7	① ② ● ® N/A 62.6	① ② ● ® N/A 61.9	① ② ● ® N/A 63.0	① ② ● ® N/A 65.2
87826	① ② ● ® N/A 58.9	① ② ● ® N/A 60.7	① ② ● ® N/A 59.2	① ② ● ® N/A 61.0	① ② ● ® N/A 62.1	① ② ● ® N/A 63.0	① ② ● ® N/A 65.5
87823	① ② ● ® N/A 58.1	① ② ● ® N/A 61.9	① ② ● ® N/A 60.5	① ② ● ® N/A 62.2	① ② ● ® N/A 62.7	① ② ● ® N/A 63.0	① ② ● ® N/A 65.9
87825	① ② ● ® N/A 60.8	① ② ● ® N/A 61.8	① ② ● ® N/A 61.8	① ② ● ® N/A 64.3	① ② ● ® N/A 64.2	① ② ● ® N/A 65.8	① ② ● ® N/A 67.7
End Time (6.[16])	1325	1318	1409	1316	1316	1316	1315
Initial (6.[16])	WO: LM WO: DA	WO: MZ WO: DA	WO: MZ WO: DA	WO: MZ WO: EP	WO: FA WO: EP	WO: FA WO: EP	WO: FA WO: EP

ATTACHMENT 4
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Comments:

NO Further Comments

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
Leon Montoya		191526	05-29-17
Tina Aguirre		174977	05.29-17
MATTHEW ZOCO		311676	05-30-17
Tina Aguirre		174977	05-30-17
MATTHEW ZOCO		311676	05-31-17
Tina Aguirre		174977	05-31-17
MATTHEW ZOCO		311676	06-01-17
Edward Pacheco		100497	06-01-17
Fabian Anaya		174963	06-02-17
Edward Pacheco		100497	06-02-17
Fabian Anaya		174963	06-03-17
Edward Pacheco		100497	06-03-17
Fabian Anaya		174963	06-04-17
Edward Pacheco		100497	06-04-17 06-04-17 ED 100497 06-04-17

10.1[2] Reviewed by:

SOM (print)	Signature	Z#	Date

191526 05-29-17
169840 05-30-17
VON 239958 5/31/17
191526 6-1-17
FA 174963 - 06-04-17

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: 06-05-17/1303	Tuesday 6.[2] Date & Start Time: 06-06-17/1314	Wednesday 6.[2] Date & Start Time: 06-07-17/1301	Thursday 6.[2] Date & Start Time: 06-08-17/1315	Friday 6.[2]Date & Start Time: 06-09-17/1420	Saturday 6.[2] Date & Start Time: 06-10-17/1301	Sunday 6.[2] Date & Start Time: 06-11-17/1300
TA-54-0375 Cell 1							
Calibrated infrared thermometer (6.[3])	Brand: Fluke Model: 561 Cal. Due Date: 3-21-18 File Number 104841	Brand: Fluke Model: 561 Cal. Due Date: 3-21-18 File Number 104841	Brand: Fluke Model: 561 Cal. Due Date: 03-21-18 File Number 104841	Brand: Fluke Model: 561 Cal. Due Date: 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: 03-21-18 File Number 104841	Brand: Fluke Model: 561 Cal. Due Date: 03-21-18 File Number 104841
Ambient Temperature (6.[4])	Cell 1: 67.2 °F	Cell 1: 63.0 °F	Cell 1: 67.8 °F	Cell 1: 68.4 °F	Cell 1: 69.9 °F	Cell 1: 69.8 °F	Cell 1: 67.9 °F
($) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[5])	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT
Ambient Temperature (6.[7])	Refrig.: 39.5 °F	Refrig.: 39.4 °F	Refrig.: 36.2 °F	Refrig.: 36.6 °F	Refrig.: 35.9 °F	Refrig.: 36.3 °F	Refrig.: 38.5 °F
($) 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	35.8	① ② ③ ● N/A	39.9	① ② ③ ● N/A	34.7	① ② ③ ® (N/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	35.0	① ② ③ ● N/A	39.8	① ② ③ ● N/A	34.6	① ② ③ ● N/A	35.3	① ② ③ ● N/A	36.9	① ② ③ ● N/A	35.0	① ② ③ ● N/A	35.9
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# 100497
INITIAL EP DATE 06-05-17

ATTACHMENT 2
Page 2 of 3

	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	35.7	① ② ③ ● N/A	39.3	① ② ③ ● N/A	35.2	① ② ③ ● N/A	36.0	① ② ③ ● N/A	37.0	① ② ③ ● N/A	37.4	① ② ③ ● N/A	36.6
69490	① ② ③ ● N/A	35.5	① ② ③ ● N/A	39.2	① ② ③ ● N/A	34.8	① ② ③ ● N/A	35.0	① ② ③ ● N/A	36.5	① ② ③ ● N/A	39.6	① ② ③ ● N/A	37.1
69076	① ② ③ ● N/A	37.0	① ② ③ ● N/A	39.9	① ② ③ ● N/A	36.0	① ② ③ ● N/A	36.6	① ② ③ ● N/A	36.3	① ② ③ ● N/A	37.9	① ② ③ ● N/A	39.5
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	35.7	① ② ③ ● N/A	39.1	① ② ③ ● N/A	36.0	① ② ③ ● N/A	36.1	① ② ③ ● N/A	37.0	① ② ③ ● N/A	39.0	① ② ③ ● N/A	37.6
69079	① ② ③ ● N/A	36.2	① ② ③ ● N/A	39.9	① ② ③ ● N/A	36.2	① ② ③ ● N/A	36.1	① ② ③ ● N/A	35.5	① ② ③ ● N/A	37.0	① ② ③ ● N/A	37.4
69636	① ② ③ ● N/A	36.0	① ② ③ ● N/A	39.1	① ② ③ ● N/A	36.2	① ② ③ ® N/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	✓ ② ③ ® N/A	65.3	✓ ② ③ ® N/A	62.6	✓ ② ③ ® N/A	66.4	✓ ② ③ ® N/A	67.5	✓ ② ③ ● N/A	36.6	① ② ③ ● N/A	38.9	① ② ③ ● N/A	37.7
69417	N/A		N/A		N/A		N/A		N/A		N/A		N/A	
69620	✓ ② ③ ® N/A	64.4	✓ ② ③ ® N/A	62.0	✓ ② ③ ® N/A	66.3	✓ ② ③ ® N/A	66.3	✓ ② ③ ® N/A	68.6	✓ ② ③ ® N/A	69.6	✓ ② ③ ® N/A	65.8
69520	✓ ② ③ ® N/A	64.6	✓ ② ③ ® N/A	61.7	✓ ② ③ ® N/A	65.3	✓ ② ③ ® N/A	66.6	✓ ② ③ ® N/A	68.66	✓ ② ③ ® N/A	69.8	✓ ② ③ ® N/A	65.3
69641	✓ ② ③ ® N/A	65.0	✓ ② ③ ® N/A	61.7	✓ ② ③ ® N/A	65.8	✓ ② ③ ® N/A	65.2	✓ ② ③ ● N/A	38.5	① ② ③ ● N/A	38.2	① ② ③ ● N/A	38.0
69298	① ② ③ ● N/A	36.2	① ② ③ ● N/A	38.7	① ② ③ ● N/A	36.7	① ② ③ ● N/A	35.1	① ② ③ ● N/A	37.7	① ② ③ ● N/A	39.8	① ② ③ ● N/A	38.2
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])	1309		1319		1308		1321		1427		1306		1306	
Initial (6.[16])	WO: LM WO: DA		WO: LM WO: DA		WO: LM WO: DA		WO: LM WO: DA		WO: LM WO: DA		WO: LM WO: DA		WO: LM WO: DA	

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Comments:

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
Leon Montoya		191526	06-05-17
Tina Aguirre		174977	06-05-17
Leon Montoya		191526	06-06-17
Tina Aguirre		174977	06-06-17
Leon Montoya		191526	06-07-17
Tina Aguirre		174977	06-07-17
Juan Garcia		169840	06-08-17
Tina Aguirre		174977	06-08-17
Leon Montoya		191526	06-09-17
Tina Aguirre		174977	06-09-17
Leon Montoya		191526	06-10-17
Tina Aguirre		174977	06-10-17
Leon Montoya		191526	06-11-17
Tina Aguirre		174977	06-11-17

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:
	06-05-17/1309	06-06-17/1320	06-07-17/1309	06-08-17/1321	06-09-17/1425	06-10-17/1307	06-11-17/1307
TA-54-0375 Cell 2							
Calibrated infrared thermometer (6.[3])	Brand: Fluke Model: 561 Cal. Due Date: 3-21-18 File Number 104841	Brand: Fluke Model: 561 Cal. Due Date: 3-21-18 File Number 104841	Brand: Fluke Model: 561 Cal. Due Date: 3-21-18 File Number 104841	Brand: Fluke Model: 561 Cal. Due Date: 3-21-18 File Number 104841	Brand: Fluke Model: 561 Cal. Due Date: 3-21-18 File Number 104841	Brand: Fluke Model: 561 Cal. Due Date: 3-21-18 File Number 104841	Brand: Fluke Model: 561 Cal. Due Date: 3-21-18 File Number 104841
Ambient Temperature (6.[4])	Cell 2: 67.6 °F	Cell 2: 65.1 °F	Cell 2: 67.3 °F	Cell 2: 68.6 °F	Cell 2: 70.4 °F	Cell 2: 72.2 °F	Cell 2: 69.8 °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	67.3	① ② ③ ® N/A	64.0	① ② ③ ® N/A	67.6	① ② ③ ® N/A	67.8	① ② ③ ® N/A	71.6	① ② ③ ® N/A	71.6	① ② ③ ® N/A	68.5
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	36.8	① ② ③ ● N/A	39.5	① ② ③ ● N/A	37.0	① ② ③ ● N/A	35.7	① ② ③ ● N/A	34.6	① ② ③ ● N/A	35.5	① ② ③ ● N/A	35.0 6-11-17
69635	① ② ③ ® N/A	65.8	① ② ③ ® N/A	63.7	① ② ③ ® N/A	66.9	① ② ③ ® N/A	66.7	① ② ③ ® N/A	69.9	① ② ③ ® N/A	70.5	① ② ③ ® N/A	66.6
69642	① ② ③ ® N/A	65.4	① ② ③ ® N/A	63.0	① ② ③ ® N/A	66.1	① ② ③ ® N/A	66.1	① ② ③ ® N/A	69.1	① ② ③ ® N/A	69.7	① ② ③ ® N/A	66.7
69630	① ② ③ ® N/A	65.2	① ② ③ ® N/A	63.6	① ② ③ ® N/A	67.3	① ② ③ ® N/A	66.9	① ② ③ ® N/A	68.7	① ② ③ ® N/A	70.3	① ② ③ ® N/A	66.1
69633	① ② ③ ® N/A	66.8	① ② ③ ® N/A	63.5	① ② ③ ® N/A	66.8	① ② ③ ® N/A	66.9	① ② ③ ® N/A	69.2	① ② ③ ® N/A	70.4	① ② ③ ® N/A	66.1
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	65.4	① ② ③ ® N/A	63.9	① ② ③ ® N/A	66.7	① ② ③ ® N/A	66.9	① ② ③ ® N/A	70.2	① ② ③ ® N/A	70.0	① ② ③ ® N/A	67.1
69634	① ② ③ ® N/A	66.4	① ② ③ ® N/A	63.8	① ② ③ ® N/A	66.4	① ② ③ ® N/A	66.6	① ② ③ ® N/A	70.9	① ② ③ ® N/A	70.1	① ② ③ ® N/A	67.9

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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 2 (continued)							
Container ID #	**Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)**						
68567	① ✓ ③ Ⓡ N/A 65.7	① ✓ ③ Ⓡ N/A 63.6	① ✓ ③ Ⓡ N/A 66.7	① ✓ ③ Ⓡ N/A 67.1	① ✓ ③ Ⓡ N/A 69.8	① ✓ ③ Ⓡ N/A 69.9	① ✓ ③ Ⓡ N/A 66.3
94227	① ✓ ③ Ⓡ N/A 66.0	① ✓ ③ Ⓡ N/A 63.6	① ✓ ③ Ⓡ N/A 66.3	① ✓ ③ Ⓡ N/A 66.9	① ✓ ③ Ⓡ N/A 70.5	① ✓ ③ Ⓡ N/A 69.2	① ✓ ③ Ⓡ N/A 66.2
68648	① ✓ ③ Ⓡ N/A 65.6	① ✓ ③ Ⓡ N/A 62.5	① ✓ ③ Ⓡ N/A 65.8	① ✓ ③ Ⓡ N/A 66.7	① ✓ ③ Ⓡ N/A 70.0	① ✓ ③ Ⓡ N/A 69.8	① ✓ ③ Ⓡ N/A 66.9
69644	① ✓ ③ Ⓡ N/A 65.2	① ✓ ③ Ⓡ N/A 63.4	① ✓ ③ Ⓡ N/A 66.2	① ✓ ③ Ⓡ N/A 66.0	① ✓ ③ Ⓡ N/A 69.9	① ✓ ③ Ⓡ N/A 69.5	① ✓ ③ Ⓡ N/A 66.5
69183	① ✓ ③ Ⓡ N/A 64.8	① ✓ ③ Ⓡ N/A 63.1	① ✓ ③ Ⓡ N/A 66.1	① ✓ ③ Ⓡ N/A 67.3	① ✓ ③ Ⓡ N/A 68.2	① ✓ ③ Ⓡ N/A 68.6	① ✓ ③ Ⓡ N/A 66.2
69638	① ✓ ③ Ⓡ N/A 65.1	① ✓ ③ Ⓡ N/A 63.3	① ✓ ③ Ⓡ N/A 66.1	① ✓ ③ Ⓡ N/A 66.9	① ✓ ③ Ⓡ N/A 69.1	① ✓ ③ Ⓡ N/A 69.2	① ✓ ③ Ⓡ N/A 66.5
68624	① ✓ ③ Ⓡ N/A 65.2	① ✓ ③ Ⓡ N/A 63.6	① ✓ ③ Ⓡ N/A 66.3	① ✓ ③ Ⓡ N/A 66.4	① ✓ ③ Ⓡ N/A 69.4	① ✓ ③ Ⓡ N/A 69.9	① ✓ ③ Ⓡ N/A 67.0
68507	① ✓ ③ Ⓡ N/A 65.1	① ✓ ③ Ⓡ N/A 63.8	① ✓ ③ Ⓡ N/A 65.8	① ✓ ③ Ⓡ N/A 65.9	① ✓ ③ Ⓡ N/A 68.8	① ✓ ③ Ⓡ N/A 68.7	① ✓ ③ Ⓡ N/A 66.7
69568	① ✓ ③ Ⓡ N/A 64.9	① ✓ ③ Ⓡ N/A 63.3	① ✓ ③ Ⓡ N/A 66.7	① ✓ ③ Ⓡ N/A 66.1	① ✓ ③ Ⓡ N/A 68.9	① ✓ ③ Ⓡ N/A 68.9	① ✓ ③ Ⓡ N/A 67.0
69553	① ✓ ③ Ⓡ N/A 65.6	① ✓ ③ Ⓡ N/A 63.5	① ✓ ③ Ⓡ N/A 66.3	① ✓ ③ Ⓡ N/A 65.7	① ✓ ③ Ⓡ N/A 70.2	① ✓ ③ Ⓡ N/A 69.1	① ✓ ③ Ⓡ N/A 67.5
69598	① ✓ ③ Ⓡ N/A 66.0	① ✓ ③ Ⓡ N/A 63.9	① ✓ ③ Ⓡ N/A 66.5	① ✓ ③ Ⓡ N/A 66.6	① ✓ ③ Ⓡ N/A 69.6	① ✓ ③ Ⓡ N/A 69.8	① ✓ ③ Ⓡ N/A 67.2
92472	① ✓ ③ Ⓡ N/A 66.3	① ✓ ③ Ⓡ N/A 63.4	① ✓ ③ Ⓡ N/A 66.7	① ✓ ③ Ⓡ N/A 66.6	① ✓ ③ Ⓡ N/A 70.2	① ✓ ③ Ⓡ N/A 70.2	① ✓ ③ Ⓡ N/A 67.2
92459	① ✓ ③ Ⓡ N/A 66.2	① ✓ ③ Ⓡ N/A 63.6	① ✓ ③ Ⓡ N/A 66.8	① ✓ ③ Ⓡ N/A 66.9	① ✓ ③ Ⓡ N/A 70.3	① ✓ ③ Ⓡ N/A 70.1	① ✓ ③ Ⓡ N/A 66.8
69015	① ✓ ③ Ⓡ N/A 66.1	① ✓ ③ Ⓡ N/A 62.1	① ✓ ③ Ⓡ N/A 66.2	① ✓ ③ Ⓡ N/A 66.8	① ✓ ③ Ⓡ N/A 69.3	① ✓ ③ Ⓡ N/A 68.7	① ✓ ③ Ⓡ N/A 66.5
69639	① ✓ ③ Ⓡ N/A 65.5	① ✓ ③ Ⓡ N/A 63.1	① ✓ ③ Ⓡ N/A 66.3	① ✓ ③ Ⓡ N/A 65.4	① ✓ ③ Ⓡ N/A 69.4	① ✓ ③ Ⓡ N/A 69.6	① ✓ ③ Ⓡ N/A 66.4
69637	① ✓ ③ Ⓡ N/A 65.2	① ✓ ③ Ⓡ N/A 62.8	① ✓ ③ Ⓡ N/A 66.5	① ✓ ③ Ⓡ N/A 66.5	① ✓ ③ Ⓡ N/A 69.3	① ✓ ③ Ⓡ N/A 69.2	① ✓ ③ Ⓡ N/A 65.9
End Time (6.[16])	1314	1326	1317	1326	1435	1314	1316
Initial (6.[16])	WO: LM WO: JA	WO: LM WO: JA	WO: LM WO: JA	WO: LM WO: JA	WO: LM WO: JA	WO: LM WO: JA	WO: LM WO: JA

ATTACHMENT 3
Page 3 of 3

Comments:

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
Leon Montoya		191526	06-05-17
Tina Aguirre		174977	06-05-17
Leon Montoya		191526	06-06-17
Tina Aguirre		174977	06-06-17
Leon Montoya		191526	06-07-17
Tina Aguirre		174977	06-07-17
Sean Garcia		169840	06-08-17
Tina Aguirre		174977	06-08-17
Leon Montoya		191526	06-09-17
Tina Aguirre		174977	06-09-17
Leon Montoya		191526	06-10-17
Tina Aguirre		174977	06-10-17
Leon Montoya		191526	06-11-17
Tina Aguirre		174977	06-11-17

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:
	06-05-17/1314	06-06-17/1227	06-07-17/1318	06-08-17/1327	06-09-17/1436	06-10-17/1315	06-11-17/1317
TA-54-0375 Cell 3							
Calibrated infrared thermometer (6.[3])	Brand: Fluke Model: 561 Cal. Due Date: 3-21-18 File Number 104841	Brand: Fluke Model: 561 Cal. Due Date: 3-21-18 File Number 104841	Brand: Fluke Model: 561 Cal. Due Date: 03-21-18 File Number 104841	Brand: Fluke Model: 561 Cal. Due Date: 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: 03-21-18 File Number 104841	Brand: Fluke Model: 561 Cal. Due Date: 03-21-18 File Number 104841
Ambient Temperature (6.[4])	Cell 3: 64.7 °F	Cell 3: 61.3 °F	Cell 3: 65.4 °F	Cell 3: 66.5 °F	Cell 3: 69.0 °F	Cell 3: 68.0 °F	Cell 3: 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)						
69519	① ② ③ ® N/A	62.0	① ② ③ ® N/A	59.7	① ② ③ ® N/A	63.4	① ② ③ ® N/A	62.0	① ② ③ ® N/A	66.7	① ② ③ ® N/A	65.1	① ② ③ ® N/A	62.9
69645	① ② ③ ® N/A	60.0	① ② ③ ® N/A	57.1	① ② ③ ® N/A	60.5	① ② ③ ® N/A	60.4	① ② ③ ® N/A	65.3	① ② ③ ® N/A	61.8	① ② ③ ® N/A	59.9
94068	① ② ③ ® N/A	60.6	① ② ③ ® N/A	59.0	① ② ③ ® N/A	63.8	① ② ③ ® N/A	62.6	① ② ③ ® N/A	67.0	① ② ③ ® N/A	64.6	① ② ③ ® N/A	62.5
93605	① ② ③ ® N/A	62.1	① ② ③ ® N/A	60.0	① ② ③ ® N/A	63.4	① ② ③ ® N/A	63.9	① ② ③ ® N/A	67.6	① ② ③ ® N/A	65.7	① ② ③ ® N/A	63.1
69548	① ② ③ ® N/A	62.7	① ② ③ ® N/A	60.7	① ② ③ ® N/A	64.8	① ② ③ ® N/A	64.1	① ② ③ ® N/A	68.6	① ② ③ ® N/A	67.3	① ② ③ ® N/A	63.3

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 62.7	① ② ✓ ® N/A 59.7	① ② ✓ ® N/A 63.6	① ② ✓ ® N/A 65.3	① ② ✓ ® N/A 67.1	① ② ✓ ® N/A 65.4	① ② ✓ ® N/A 62.7
68665	① ② ✓ ® N/A 62.1	① ② ✓ ® N/A 59.1	① ② ✓ ® N/A 63.3	① ② ✓ ® N/A 62.4	① ② ✓ ® N/A 66.5	① ② ✓ ® N/A 64.6	① ② ✓ ® N/A 62.4
69595	① ② ✓ ® N/A 63.2	① ② ✓ ® N/A 59.7	① ② ✓ ® N/A 63.4	① ② ✓ ® N/A 64.4	① ② ✓ ® N/A 67.6	① ② ✓ ® N/A 65.2	① ② ✓ ® N/A 63.9
69036	① ② ✓ ® N/A 63.4	① ② ✓ ® N/A 60.1	① ② ✓ ® N/A 64.8	① ② ✓ ® N/A 65.5	① ② ✓ ® N/A 67.6	① ② ✓ ® N/A 65.8	① ② ✓ ® N/A 64.7
69361	① ② ✓ ® N/A 63.0	① ② ✓ ® N/A 60.8 64.4	① ② ✓ ® N/A 64.3	① ② ✓ ® N/A 65.2	① ② ✓ ® N/A 68.1	① ② ✓ ® N/A 67.2	① ② ✓ ® N/A 65.0
69559	① ② ✓ ® N/A 62.7	① ② ✓ ® N/A 60.3	① ② ✓ ® N/A 64.2	① ② ✓ ® N/A 65.0	① ② ✓ ® N/A 67.2	① ② ✓ ® N/A 65.6	① ② ✓ ® N/A 64.8
69491	① ② ✓ ® N/A 63.0	① ② ✓ ® N/A 60.5	① ② ✓ ® N/A 64.5	① ② ✓ ® N/A 65.0	① ② ✓ ® N/A 67.3	① ② ✓ ® N/A 66.4	① ② ✓ ® N/A 64.9
87827	① ② ✓ ® N/A 63.9	① ② ✓ ® N/A 60.8	① ② ✓ ® N/A 66.7	① ② ✓ ® N/A 66.5	① ② ✓ ® N/A 70.0	① ② ✓ ® N/A 68.8	① ② ✓ ® N/A 66.7
87826	① ② ✓ ® N/A 63.7	① ② ✓ ® N/A 61.0	① ② ✓ ® N/A 66.3	① ② ✓ ® N/A 65.0	① ② ✓ ® N/A 69.6	① ② ✓ ® N/A 68.2	① ② ✓ ® N/A 65.4
87823	① ② ✓ ® N/A 63.8	① ② ✓ ® N/A 61.5	① ② ✓ ® N/A 67.2	① ② ✓ ® N/A 66.6	① ② ✓ ® N/A 70.4	① ② ✓ ® N/A 70.0	① ② ✓ ® N/A 67.0
87825	① ② ✓ ® N/A 66.8	① ② ✓ ® N/A 62.7	① ② ✓ ® N/A 68.2	① ② ✓ ® N/A 68.5	① ② ✓ ® N/A 70.1	① ② ✓ ® N/A 69.2	① ② ✓ ® N/A 67.2
End Time (6.[16])	1358	1333	1324	1331	1440	1321	1322
Initial (6.[16])	WO: LM WO: DA	WO: LM WO: DA	WO: LM WO: DA	WO: LM WO: DA	WO: LM WO: DA	WO: LM WO: DA	WO: LM WO: DA

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Comments:

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
Leon montoya		191526	06-05-17
Tina Aguirre		174927	06-06-17
Leon montoya		191526	06-06-17
Tina Aguirre		174927	06-06-17
Leon montoya		191526	06-07-17
Tina Aguirre		174927	06-07-17
Juan Garcia		169840	06-08-17
Tina Aguirre		174927	06-08-17
Leon montoya		191526	06-09-17
Tina Aguirre		174927	06-09-17
Leon montoya		191526	06-10-17
Tina Aguirre		174927	06-10-17
Leon montoya		191526	06-11-17
Tina Aguirre		174927	06-11-17

10.1[2] Reviewed by:

SOM (print)	Signature	Z#	Date
		191526	6-10-17
		191526	6-11-17
		191526	6-9-17
		191526	6-7-17
		191526	6-4-17
		191526	6-5-17
		191526	6-6-17

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: 06-12-17/1300	Tuesday 6.[2] Date & Start Time: 06-13-17/1319	Wednesday 6.[2] Date & Start Time: 06-14-17/1305	Thursday 6.[2] Date & Start Time: 06-15-17/1330	Friday 6.[2]Date & Start Time: 06-16-17/1323	Saturday 6.[2] Date & Start Time: 06/17/17/1300	Sunday 6.[2] Date & Start Time: 06-18-17/1300
TA-54-0375 Cell 1							
Calibrated infrared thermometer (6.[3])	Brand: Fluke Model: 561 Cal. Due Date: 03-26-18 File Number 104941	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: 65.6 °F	Cell 1: 67.9 °F	Cell 1: 67.1 °F	Cell 1: 67.6 °F	Cell 1: 71.7 °F	Cell 1: 66.9 °F	Cell 1: 65.1 °F
($) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[5])	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT
Ambient Temperature (6.[7])	Refrig.: ~~40.0~~ 40.0 °F SA 06-12-17	Refrig.: 39.9 °F	Refrig.: 36.8 °F	Refrig.: 37.3 °F	Refrig.: 36.8 °F	Refrig.: 35.9 °F	Refrig.: 36.7 °F
($) 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	37.3	① ② ③ ● N/A	35.5	① ② ③ ● N/A	35.3	① ② ③ ● N/A	37.7	① ② ③ ● N/A	37.4	① ② ③ ● N/A	35.4	① ② ③ ● N/A	36.1
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# 172927
INITIAL SA DATE 06-12-18

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	36.5	① ② ③ ® N/A	37.8	① ② ③ ● N/A	35.4	① ② ③ ● N/A	37.9	① ② ③ ● N/A	38.0	① ② ③ ● N/A	35.5	① ② ③ ● N/A	36.1
69490	① ② ③ ● N/A	38.3	① ② ③ ® N/A	35.6	① ② ③ ● N/A	36.2	① ② ③ ● N/A	39.2	① ② ③ ● N/A	37.2	① ② ③ ● N/A	36.6	① ② ③ ● N/A	38.7
69076	① ② ③ ● N/A	36.8	① ② ③ ® N/A	39.7	① ② ③ ® N/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	36.1	① ② ③ ® N/A	37.5	① ② ③ ● N/A	35.8	① ② ③ ● N/A	38.2	① ② ③ ● N/A	38.1	① ② ③ ● N/A	36.2	① ② ③ ● N/A	37.2
69079	① ② ③ ● N/A	37.4	① ② ③ ® N/A	38.2	① ② ③ ● N/A	36.8	① ② ③ ● N/A	38.4	① ② ③ ● N/A	38.0	① ② ③ ● N/A	37.5	① ② ③ ● N/A	36.6
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	37.0	① ② ③ ® N/A	36.2	① ② ③ ● N/A	36.5	① ② ③ ● N/A	38.4	① ② ③ ● N/A	38.5	① ② ③ ● N/A	36.7	① ② ③ ● N/A	37.4
69417	N/A		N/A		N/A		N/A		N/A		N/A		N/A	
69620	✓ ② ③ ® N/A	64.8	✓ ② ③ ® N/A	64.1	✓ ② ③ ® N/A	66.4	✓ ② ③ ® N/A	67.9	✓ ② ③ ® N/A	64.4	✓ ② ③ ® N/A	65.9	✓ ② ③ ® N/A	66.1
69520	✓ ② ③ ® N/A	63.3	✓ ② ③ ® N/A	63.3	✓ ② ③ ® N/A	65.1	✓ ② ③ ® N/A	67.2	✓ ② ③ ® N/A	63.6	✓ ② ③ ® N/A	64.8	✓ ② ③ ® N/A	65.5
69641	① ② ③ ● N/A	37.6	① ② ③ ® N/A	36.8	① ② ③ ® N/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	36.8	① ② ③ ® N/A	36.4	① ② ③ ● N/A	37.1	① ② ③ ● N/A	38.5	① ② ③ ● N/A	39.0	① ② ③ ● N/A	37.3	① ② ③ ● N/A	37.3
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])	1307		1323		1311		1336		1330		1308		1307	
Initial (6.[16])	WO: FA WO: [illegible]		WO: [illegible] WO: MK		WO: FA WO: [illegible]		WO: FA WO: [illegible]		WO: VDM WO: FA		WO: VDM WO: FA		WO: VDM WO: FA	

ATTACHMENT 2
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Comments: No comments

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
Fabian Anaya	Fabian Anaya	174963	06-12-17
Tina Aguirre	Tina Aguirre	174977	06-12-17
Juan Garcia	Juan Garcia	169840	06-13-17
MATTHEW ZOCO	Matthew Zoco	311676	06-13-17
Fabian Anaya	Fabian Anaya	174963	06-14-17
Tina Aguirre	Tina Aguirre	174977	06-14-17
Fabian Anaya	Fabian Anaya	174963	06-15-17
Tina Aguirre	Tina Aguirre	174977	06-15-17
Valerie Martinez	Valerie Martinez	239958	06/16/17
Fabian Anaya	Fabian Anaya	174963	06-16-17
Valerie Martinez	Valerie Martinez	239958	06-17-17
Fabian Anaya	Fabian Anaya	174963	06-17-17
Valerie Martinez	Valerie Martinez	239958	06-18-17
Fabian Anaya	Fabian Anaya	174963	06-18-17

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: 06-12-17/1308	Tuesday 6.[2] Date & Start Time: 06-13-17/1324	Wednesday 6.[2] Date & Start Time: 06-14-17/1312	Thursday 6.[2] Date & Start Time: 06-15-17/1336	Friday 6.[2] Date & Start Time: 06-16-17/1316	Saturday 6.[2] Date & Start Time: 6-17-17/1308	Sunday 6.[2] Date & Start Time: 06-18-17/1307
TA-54-0375 Cell 2							
Calibrated infrared thermometer (6.[3])	Brand: Fluke Model: 561 Cal. Due Date: 08-26-18 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	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: 64.8 °F	Cell 2: 67.4 °F	Cell 2: 67.0 °F	Cell 2: 69.8 °F	Cell 2: 60.5 °F	Cell 2: 59.9 °F	Cell 2: 60.9 °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)**						
68408	① ✓ ③ ® N/A	65.4	① ✓ ③ ® N/A	65.3	① ✓ ③ ® N/A	67.2	① ✓ ③ ® N/A	69.8	① ✓ ③ ® N/A	56.5	① ✓ ③ ® N/A	56.3	① ✓ ③ ® N/A	58.9
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	37.0	① ✓ ③ ® N/A	37.5	① ② ③ ● N/A	37.7	① ② ③ ● N/A	39.4	① ② ③ ● N/A	36.6 37.7 37.6 Tue 6-13-17	① ② ③ ● N/A	36.9	① ② ③ ● N/A	38.2
69635	① ✓ ③ ® N/A	64.5	① ✓ ③ ® N/A	65.2	① ✓ ③ ® N/A	66.2	① ✗ ③ ● N/A	39.6	① ② ③ ● N/A	38.6 39.0 Tue 6-13-17	① ② ③ ● N/A	38.2	① ② ③ ● N/A	39.1
69642	① ✓ ③ ® N/A	64.5	① ✓ ③ ® N/A	64.9	① ✓ ③ ® N/A	65.6	① ✓ ③ ® N/A	68.6	① ✓ ③ ® N/A	59.7	① ✓ ③ ® N/A	60.2	① ✓ ③ ® N/A	60.9
69630	① ✓ ③ ® N/A	65.7	① ✓ ③ ® N/A	64.1	① ✓ ③ ® N/A	66.1	① ✓ ③ ® N/A	68.4	① ✓ ③ ® N/A	59.0	① ✓ ③ ® N/A	61.1	① ✓ ③ ® N/A	61.8
69633	① ✓ ③ ® N/A	65.3	① ✓ ③ ® N/A	63.7	① ✓ ③ ® N/A	65.8	① ✓ ③ ® N/A	68.2	① ✓ ③ ® N/A	60.0	① ✓ ③ ® N/A	60.5	① ✓ ③ ® N/A	60.7
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 ✓ ③ ® N/A	66.1	① ✓ ③ ® N/A	65.8	① ② ③ ® N/A	66.2	① ✗ ③ ● N/A	39.3	① ② ③ ● N/A	39.8	① ② ③ ● N/A	36.9	① ② ③ ● N/A	38.4
69634	① ✓ ③ ® N/A	66.2	① ✓ ③ ® N/A	66.8	① ✓ ③ ® N/A	66.0	① ✓ ③ ® N/A	70.2	① ✓ ③ ® N/A	55.4	① ✓ ③ ® N/A	54.3	① ● ③ ® N/A	55.7

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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	66.5	① ✓ ③ ® N/A	65.6	① ✓ ③ ® N/A	66.2	① ✓ ③ ® N/A	69.0	① ✓ ③ ® N/A	59.3	① ✓ ③ ® N/A	58.9	① ✓ ③ ® N/A	58.3
94227	① ✓ ③ ® N/A	65.6	① ✓ ③ ® N/A	65.7	① ✓ ③ ® N/A	65.8	① ✓ ③ ® N/A	68.2	① ✓ ③ ® N/A	57.6	① ✓ ③ ® N/A	60.1	① ✓ ③ ® N/A	59.4
68648	① ✓ ③ ® N/A	65.4	① ✓ ③ ® N/A	64.0	① ✓ ③ ® N/A	65.1	① ✓ ③ ® N/A	67.6	① ✓ ③ ® N/A	59.3	① ✓ ③ ® N/A	59.6	① ✓ ③ ® N/A	60.4
69644	① ✓ ③ ® N/A	64.8	① ✓ ③ ® N/A	64.0	① ✓ ③ ® N/A	65.2	① ✓ ③ ® N/A	67.1	① ✓ ③ ® N/A	59.8	① ✓ ③ ® N/A	60.5	① ✓ ③ ® N/A	60.4
69183	① ✓ ③ ® N/A	65.4	① ✓ ③ ® N/A	63.8	① ✓ ③ ® N/A	66.2	① ✓ ③ ® N/A	67.6	① ✓ ③ ® N/A	60.4	① ✓ ③ ® N/A	60.9	① ✓ ③ ® N/A	61.9
69638	① ✓ ③ ® N/A	64.9	① ✓ ③ ® N/A	64.5	① ✓ ③ ® N/A	65.3	① ✓ ③ ® N/A	67.2	① ✓ ③ ® N/A	59.4	① ✓ ③ ® N/A	60.5	① ✓ ③ ® N/A	60.7
68624	① ✓ ③ ® N/A	65.9	① ✓ ③ ® N/A	64.6	① ✓ ③ ® N/A	65.6	① ✓ ③ ® N/A	68.1	① ✓ ③ ® N/A	59.2	① ✓ ③ ® N/A	59.8	① ✓ ③ ® N/A	60.6
68507	① ✓ ③ ® N/A	65.3	① ✓ ③ ® N/A	63.8	① ✓ ③ ® N/A	64.8	① ✓ ③ ® N/A	67.0	① ✓ ③ ® N/A	58.9	① ✓ ③ ® N/A	59.5	① ✓ ③ ® N/A	59.8
69568	① ✓ ③ ® N/A	65.4	① ✓ ③ ® N/A	63.9	① ✓ ③ ® N/A	65.2	① ✓ ③ ® N/A	67.3	① ✓ ③ ® N/A	59.2	① ✓ ③ ® N/A	58.3	① ✓ ③ ® N/A	59.2
69553	① ✓ ③ ® N/A	65.6	① ✓ ③ ® N/A	65.1	① ✓ ③ ® N/A	65.2	① ✓ ③ ® N/A	67.7	① ✓ ③ ® N/A	59.8	① ✓ ③ ® N/A	59.0	① ✓ ③ ® N/A	59.3
69598	① ✓ ③ ® N/A	65.8	① ✓ ③ ® N/A	65.2	① ✓ ③ ® N/A	65.7	① ✓ ③ ® N/A	68.3	① ✓ ③ ® N/A	58.2	① ✓ ③ ® N/A	57.7	① ✓ ③ ® N/A	58.1
92472	① ✓ ③ ® N/A	66.1	① ✓ ③ ® N/A	64.3	① ✓ ③ ® N/A	65.0	① ✓ ③ ® N/A	67.8	① ✓ ③ ® N/A	58.1	① ✓ ③ ® N/A	56.4	① ✓ ③ ® N/A	57.3
92459	① ✓ ③ ® N/A	66.3	① ✓ ③ ® N/A	64.3	① ✓ ③ ® N/A	65.5	① ✓ ③ ® N/A	68.0	① ✓ ③ ® N/A	57.6	① ✓ ③ ® N/A	57.0	① ✓ ③ ® N/A	58.2
69015	① ✓ ③ ® N/A	64.8	① ✓ ③ ® N/A	65.1	① ✓ ③ ® N/A	64.4	① ✓ ③ ® N/A	67.0	① ✓ ③ ® N/A	60.2	① ✓ ③ ® N/A	59.0	① ✓ ③ ® N/A	59.6
69639	① ✓ ③ ® N/A	66.5	① ✓ ③ ® N/A	65.0	① ✓ ③ ® N/A	66.0	① ✓ ③ ® N/A	67.2	① ✓ ③ ® N/A	60.1	① ✓ ③ ® N/A	60.4	① ✓ ③ ® N/A	60.7
69637	① ✓ ③ ® N/A	65.3	① ✓ ③ ® N/A	64.0	① ✓ ③ ® N/A	64.6	① ✓ ③ ® N/A	67.6	① ✓ ③ ® N/A	59.9	① ✓ ③ ® N/A	60.9	① ✓ ③ ® N/A	61.0
End Time (6.[16])	1313		1328		1317		1341		1322		1312		1313	
Initial (6.[16])	WO: FA WO: [illegible]		WO: [illegible] WO: [illegible]		WO: FA WO: [illegible]		WO: FA WO: [illegible]		WO: VDM WO: FA		WO: VDM WO: FA		WO: VDM WO: FA	

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Comments:

No comments

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
Fabian Anaya	Fabian Anaya	174963	06-12-17
Tina Aguirre	Tina Aguirre	174977	06-12-17
Juan Garcia	Juan Garcia	169840	06-13-17
MATTHEW TOCCO	Matthew T	311676	06-13-17
Fabian Anaya	Fabian Anaya	174963	06-14-17
Tina Aguirre	Tina Aguirre	174977	06-14-17
Fabian Anaya	Fabian Anaya	174963	06-15-17
Tina Aguirre	Tina Aguirre	174977	06-15-17
Valerie Martinez	Valerie Martinez	239958	06-16-17
Fabian Anaya	Fabian Anaya	174963	06-16-17
Valerie Martinez	Valerie Martinez	239958	06-17-17
Fabian Anaya	Fabian Anaya	174963	06-17-17
Valerie Martinez	Valerie Martinez	239958	06-18-17
Fabian Anaya	Fabian Anaya	174963	06-18-17

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:
	06-12-17/1314	06-13-17/1329	06-14-17/1317	06-15-17/1341	06-16-17/1308	06-17-17/1312	06-18-17/1313
TA-54-0375 Cell 3							
Calibrated infrared thermometer (6.[3])	Brand: Fluke Model: 561 Cal. Due Date: 03-26-18 File Number 104941	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: 65.1 °F	Cell 3: 63.0 °F	Cell 3: 64.7 °F	Cell 3: 68.1 °F	Cell 3: 62.9 °F	Cell 3: 64.1 °F	Cell 3: 63.7 °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	63.6	① ② ③ ® N/A	59.4	① ② ③ ® N/A	61.9	① ② ③ ® N/A	64.2	① ② ③ ® N/A	60.1	① ② ③ ® N/A	61.0	① ② ③ ® N/A	62.0
69645	① ② ③ ® N/A	61.2	① ② ③ ® N/A	58.1	① ② ③ ® N/A	60.2	① ② ③ ® N/A	62.0	① ② ③ ® N/A	57.9	① ② ③ ® N/A	58.1	① ② ③ ® N/A	60.2
94068	① ② ③ ® N/A	63.4	① ② ③ ® N/A	59.6	① ② ③ ® N/A	62.7	① ② ③ ® N/A	65.0	① ② ③ ® N/A	61.7	① ② ③ ® N/A	62.5	① ② ③ ® N/A	63.5
93605	① ② ③ ® N/A	63.3	① ② ③ ® N/A	60.9	① ② ③ ® N/A	62.5 ~~62.5~~ SA 06-16-17	① ② ③ ® N/A	65.0	① ② ③ ® N/A	62.2	① ② ③ ® N/A	62.9	① ② ③ ® N/A	63.4
69548	① ② ③ ® N/A	64.1	① ② ③ ® N/A	61.4	① ② ③ ® N/A	63.0	① ② ③ ® N/A	65.8	① ② ③ ® N/A	63.2	① ② ③ ® N/A	63.9	① ② ③ ® N/A	63.8

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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 ③ ® N/A 63.0	① ② ③ ® N/A 61.9	① ② ③ ® N/A 61.9	① ② ③ ® N/A 64.5	① ② ③ ® N/A 61.4	① ② ③ ® N/A 62.3	① ② ③ ® N/A 63.5
68665	① ② ③ ® N/A 63.4	① ② ③ ® N/A 59.8	① ② ③ ® N/A 61.5	① ② ③ ® N/A 63.3	① ② ③ ® N/A 61.5	① ② ③ ® N/A 61.3	① ② ③ ® N/A 61.9
69595	① ② ③ ® N/A 63.2	① ② ③ ® N/A 60.7	① ② ③ ® N/A 62.9	① ② ③ ® N/A 64.7	① ② ③ ® N/A 61.3	① ② ③ ® N/A 61.8	① ② ③ ® N/A 61.9
69036	① ② ③ ® N/A 64.5	① ② ③ ® N/A 61.7	① ② ③ ® N/A 63.7	① ② ③ ® N/A 65.6	① ② ③ ® N/A 59.6	① ② ③ ® N/A 62.3	① ② ③ ® N/A 62.6
69361	① ② ③ ® N/A 64.4	① ② ③ ® N/A 61.9	① ② ③ ® N/A 63.6	① ② ③ ® N/A 64.8	① ② ③ ® N/A 62.2	① ② ③ ® N/A 60.4	① ② ③ ® N/A 62.3
69559	① ② ③ ® N/A 64.2	① ② ③ ® N/A 61.2	① ② ③ ® N/A 63.1	① ② ③ ® N/A 66.1	① ② ③ ® N/A 61.8	① ② ③ ® N/A 62.8	① ② ③ ® N/A 63.5
69491	① ② ③ ® N/A 64.4	① ② ③ ® N/A 61.6	① ② ③ ® N/A 63.0	① ② ③ ® N/A 65.6	① ② ③ ® N/A 63.1	① ② ③ ® N/A 63.0	① ② ③ ® N/A 63.4
87827	① ② ③ ® N/A 66.9	① ② ③ ® N/A 62.8	① ② ③ ® N/A 65.4	① ② ③ ® N/A 67.8	① ② ③ ® N/A 63.3	① ② ③ ® N/A 65.8	① ② ③ ® N/A 65.7
87826	① ② ③ ® N/A 66.1	① ② ③ ® N/A 63.3	① ② ③ ® N/A 64.8	① ② ③ ® N/A 67.1	① ② ③ ® N/A 64.8	① ② ③ ® N/A 65.5	① ② ③ ® N/A 65.0
87823	① ② ③ ® N/A 67.2	① ② ③ ® N/A 62.4	① ② ③ ® N/A 66.7	① ② ③ ® N/A 68.2	① ② ③ ® N/A 66.4	① ② ③ ® N/A 66.2	① ② ③ ® N/A 66.4
87825	① ② ③ ® N/A 67.2	① ② ③ ® N/A 64.1	① ② ③ ® N/A 68.2	① ② ③ ® N/A 69.0	① ② ③ ® N/A 66.2	① ② ③ ® N/A 67.2	① ② ③ ® N/A 66.5
End Time (6.[16])	1318	1334	1321	1345	1315	1316	1319
Initial (6.[16])	WO: FA WO: JA	WO: MZ WO: MZ	WO: FA WO: JA	WO: FA WO: JA	WO: VDM WO: FA	WO: VDM WO: FA	WO: VDM WO: FA

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Comments:

No comments

LM 191526 06-12-17
LM 191526 06-13-17
LM 191526 06-16-17

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
Fabian Anaya	Fabian Anaya	174963	06-12-17
Tina Aguirre	Tina Aguirre	174977	06-12-17
Juan Garcia	Juan Garcia	169840	06-13-17
MATTHEW ZOCCO	[signature]	311676	06-13-17
Fabian Anaya	Fabian Anaya	174963	06-14-17
Tina Aguirre	Tina Aguirre	174977	06-14-17
Fabian Anaya	Fabian Anaya	174963	06-15-17
Tina Aguirre	Tina Aguirre	174977	06-15-17
Valerie Martinez	Valerie Martinez	239958	06-16-17
Fabian Anaya	Fabian Anaya	174963	06-16-17
Valerie Martinez	Valerie Martinez	239958	06-17-17
Fabian Anaya	Fabian Anaya	174963	06-17-17
Valerie Martinez	Valerie Martinez	239958	06-18-17
Fabian Anaya	Fabian Anaya	174963	06-18-17

10.1[2] Reviewed by:

SOM (print)	Signature	Z#	Date

VM 06/14/17
FA 06-15-17

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:	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: 03-21-18 File Number 104841	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: 68.6 °F	Cell 1: 69.5 °F	Cell 1: ____ °F	Cell 1: ____ °F	Cell 1: ____ °F	Cell 1: ____ °F	Cell 1: ____ °F
($) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[5])	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☐ SAT ☐ UNSAT	☐ SAT ☐ UNSAT	☐ SAT ☐ UNSAT	☐ SAT ☐ UNSAT	☐ SAT ☐ UNSAT
Ambient Temperature (6.[7])	Refrig.: 57.1 °F	Refrig.: 36.9 °F	Refrig.: ____ °F	Refrig.: ____ °F	Refrig.: ____ °F	Refrig.: ____ °F	Refrig.: ____ °F
($) 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 35.9	① ② ③ ® N/A 35.0	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
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# 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		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	36.4	① ② ③ ✓ N/A	35.7	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	
69490	① ② ③ ✓ N/A	36.9	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	
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	37.3	① ② ③ ✓ N/A	37.0	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	
69079	① ② ③ ✓ N/A	38.2	① ② ③ ✓ N/A	36.5	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	
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	37.8	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	
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	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	69.5	✓ ② ③ ® N/A	69.7	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	
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	38.3	① ② ③ ✓ N/A	38.1	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	
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])	1341		1306											
Initial (6.[16])	WO: MZ WO: VM		WO: MZ WO: VM		WO: _____ WO: _____		WO: _____ WO: _____		WO: _____ WO: _____		WO: _____ WO: _____		WO: _____ WO: _____	

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Comments:

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
MATTHEW ZOCCO	[signature]	311676	06.19.17
Valerie Martinez	Valerie Martinez	239958	06.19.17
MATTHEW ZOCCO	[signature]	311676	06.20.17
Valerie Martinez	Valerie Martinez	239958	06.20.17

Waste Operator (print)	Signature	Z#	Date

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:
	06·19·17 / 1342	06·20·17 / 1307					
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: ____ 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: 63.1 °F	Cell 2: 63.9 °F	Cell 2: ____ °F	Cell 2: ____ °F	Cell 2: ____ °F	Cell 2: ____ °F	Cell 2: ____ °F
(S) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[5])	☑ 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 ☑ ③ ® N/A	59.3	① ☑ ③ ® N/A	61.5	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	
69615	① ② ③ ☑ N/A	39.3	① ② ③ ☑ N/A	38.0	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	40.7	① ② ③ ☑ N/A	40.1	① ② ③ ® N/A		① ② ③ ® N/A		① ② ③ ® N/A		① ② ③ ® N/A	
69642	① ☑ ③ ® N/A	64.5	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	
69630	① ☑ ③ ® N/A	64.4	① ☑ 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	
69633	① ☑ ③ ® N/A	64.8	① ☑ 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	
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	
68631	① ② ③ ☑ N/A	38.8	① ② ③ ☑ N/A	38.0	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	57.5	① ☑ ③ ® N/A	57.7	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 ✓ ③ ® N/A 60.4	① ✓ ③ ® N/A 62.0	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
94227	① ✓ ③ ® N/A 62.6	① ✓ ③ ® N/A 63.6	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
68648	① ✓ ③ ® N/A 63.6	① ✓ ③ ® N/A 64.7	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
69644	① ✓ ③ ® N/A 65.3	① ✓ ③ ® N/A 65.2	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
69183	① ✓ ③ ® N/A 63.4	① ✓ ③ ® N/A 64.8	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
69638	① ✓ ③ ® N/A 64.6	① ✓ ③ ® N/A 65.4	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
68624	① ✓ ③ ® N/A 64.9	① ✓ ③ ® N/A 65.3	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
68507	① ✓ ③ ® N/A 62.7	① ✓ 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
69568	① ✓ ③ ® N/A 62.1	① ✓ 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
69553	① ✓ ③ ® N/A 62.6	① ✓ ③ ® N/A 63.5	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
69598	① ✓ ③ ® N/A 60.6	① ✓ ③ ® N/A 62.4	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
92472	① ✓ ③ ® N/A 61.2	① ✓ 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
92459	① ✓ ③ ® N/A 61.1	① ✓ ③ ® N/A 61.7	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
69015	① ✓ ③ ® N/A 64.0	① ✓ 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
69639	① ✓ ③ ® N/A 64.5	① ✓ ③ ® N/A 65.8	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
69637	① ✓ ③ ® N/A 65.0	① ✓ ③ ® N/A 64.8	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])	1346	1311					
Initial (6.[16])	WO: MZ WO: VDM	WO: MZ WO: VDM	WO: WO:	WO: WO:	WO: WO:	WO: WO:	WO: WO:

ATTACHMENT 3
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Comments:

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
	/	/	/
	/	/	/
	/	/	/
	/	/	/

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

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: 06-19-17/1347	Tuesday 6.[2] Date & Start Time: 06-20-17/1312	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 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: 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: 68.3 °F	Cell 3: 68.9 °F	Cell 3: ____ °F	Cell 3: ____ °F	Cell 3: ____ °F	Cell 3: ____ °F	Cell 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	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	63.4	① ② 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
94068	① ② ③ ® N/A	67.3	① ② ③ ® N/A	68.8	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
93605	① ② ③ ® N/A	67.5	① ② ③ ® N/A	67.1	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
69548	① ② ③ ® N/A	67.9	① ② ③ ® N/A	69.5	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 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 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 ✓ Ⓡ N/A 67.5	① ② ✓ Ⓡ N/A 67.8	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
69595	① ② ✓ Ⓡ N/A 65.4	① ② ✓ Ⓡ N/A 67.4	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
69036	① ② ✓ Ⓡ N/A 66.5	① ② ✓ Ⓡ N/A 64.7	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
69361	① ② ✓ Ⓡ N/A 67.3	① ② ✓ Ⓡ N/A 67.4	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
69559	① ② ✓ Ⓡ N/A 68.0	① ② ✓ Ⓡ N/A 69.1	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
69491	① ② ✓ Ⓡ N/A 68.1	① ② ✓ Ⓡ 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
87827	① ② ✓ Ⓡ N/A 69.9	① ② ✓ Ⓡ N/A 70.1	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
87826	① ② ✓ Ⓡ N/A 69.3	① ② ✓ Ⓡ N/A 69.4	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
87823	① ② ✓ Ⓡ N/A 69.9	① ② ✓ Ⓡ N/A 70.5	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
87825	① ② ✓ Ⓡ N/A 69.1	① ② ✓ Ⓡ N/A 68.4	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
End Time (6.[16])	1350	1316					
Initial (6.[16])	WO: MZ WO: VDM	WO: MZ WO: VDM	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
MATTHEW ZOCCO	Matthew Zocco	311676	06.19.17
Valerie Martinez	Valerie Martinez	239958	06.19.17
MATTHEW ZOCCO	Matthew Zocco	311676	06.20.17
Valerie Martinez	Valerie Martinez	239958	06.20.17

Waste Operator (print)	Signature	Z#	Date

10.1[2] Reviewed by:

SOM (print)	Signature	Z#	Date

TSR - INSIDE ROUNDS							Period Covered (mm/dd/yy) 5/15/17 to 5/21/17				
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	Surrate02	SAT / UNSAT / NA	SAT / UNSAT / NA	41.1 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	Surrosate 04	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
Tue	Surrosate 04	SAT / UNSAT / NA	SAT / UNSAT / NA	41.6 °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
Wed	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
	NA	SAT / UNSAT / NA	SAT / UNSAT / NA	NA °F	SAT / UNSAT / NA	SAT / UNSAT / NA
Thur	LA00000069280	SAT / UNSAT / NA	SAT / UNSAT / NA	41.6 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA00000068553	SAT / UNSAT / NA	SAT / UNSAT / NA	42.1 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA00000092669	SAT / UNSAT / NA	SAT / UNSAT / NA	41.1 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
Fri	LA00000069280	SAT / UNSAT / NA	SAT / UNSAT / NA	41.3 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	~~LA00000~~92669	SAT / UNSAT / NA	SAT / UNSAT / NA	40.7 °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	LA00000069280	SAT / UNSAT / NA	SAT / UNSAT / NA	40.9 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA00000092669	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
Sun	LA00000069280	SAT / UNSAT / NA	SAT / UNSAT / NA	40.8 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA00000092669	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

TSR - INSIDE ROUNDS							Period Covered (mm/dd/yy) 5/22/2017 to 5/28/2017				
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	LA0000069280	SAT / UNSAT / NA	SAT / UNSAT / NA	43.2 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	92669	SAT / UNSAT / NA	SAT / UNSAT / NA	43.5 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	N/A	SAT / UNSAT / NA	SAT / UNSAT / NA	NA °F	SAT / UNSAT / NA	SAT / UNSAT / NA
Tue	LA0000069280	SAT / UNSAT / NA	SAT / UNSAT / NA	40.6 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	N/A	SAT / UNSAT / NA	SAT / UNSAT / NA	NA °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	N/A	SAT / UNSAT / NA	SAT / UNSAT / NA	NA °F	SAT / UNSAT / NA	SAT / UNSAT / NA
Wed	LA0000069280	SAT / UNSAT / NA	SAT / UNSAT / NA	40.4 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA0000068638	SAT / UNSAT / NA	SAT / UNSAT / NA	40.8 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA0000068430	SAT / UNSAT / NA	SAT / UNSAT / NA	42.0 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
Thur	LA0000069280	SAT / UNSAT / NA	SAT / UNSAT / NA	40.3 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA0000068638	SAT / UNSAT / NA	SAT / UNSAT / NA	40.2 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA0000068430	SAT / UNSAT / NA	SAT / UNSAT / NA	42.0 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
Fri	LA0000069280	SAT / UNSAT / NA	SAT / UNSAT / NA	40.3 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA0000068638	SAT / UNSAT / NA	SAT / UNSAT / NA	40.6 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA0000068430	SAT / UNSAT / NA	SAT / UNSAT / NA	42.5 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
Sat	LA0000069280	SAT / UNSAT / NA	SAT / UNSAT / NA	39.2 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA0000068638	SAT / UNSAT / NA	SAT / UNSAT / NA	39.5 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA0000068430	SAT / UNSAT / NA	SAT / UNSAT / NA	40.5 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
Sun	LA0000069280	SAT / UNSAT / NA	SAT / UNSAT / NA	39.5 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA0000068638	SAT / UNSAT / NA	SAT / UNSAT / NA	39.6 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA0000068430	SAT / UNSAT / NA	SAT / UNSAT / NA	41.1 °F	SAT / UNSAT / NA	SAT / UNSAT / NA

UET On 5-24-2017 Two Readings taken because Temp Gun was Dropped-

TSR - INSIDE ROUNDS Period Covered (mm/dd/yy) 5/22/2017 to 5/28/2017

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~~ SB 5-24-17	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~~
	~~NA~~	SAT / UNSAT / ~~NA~~	SAT / UNSAT / ~~NA~~	~~NA~~ °F	SAT / UNSAT / ~~NA~~	SAT / UNSAT / ~~NA~~
Tue	~~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~~
	~~NA~~	SAT / UNSAT / ~~NA~~	SAT / UNSAT / ~~NA~~	~~NA~~ °F	SAT / UNSAT / ~~NA~~	SAT / UNSAT / ~~NA~~
Wed	LA000000069280	SAT / UNSAT / NA	SAT / UNSAT / NA	40.2 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA000000068638	SAT / UNSAT / NA	SAT / UNSAT / NA	40.5 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA000000068430	SAT / UNSAT / NA	SAT / UNSAT / NA	41.0 °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

TSR - INSIDE ROUNDS — Period Covered (mm/dd/yy) 5/29/17 to 6/4/17

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	LA0000069280	SAT / UNSAT / NA	SAT / UNSAT / NA	38.7 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA0000068638	SAT / UNSAT / NA	SAT / UNSAT / NA	39.0 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA0000068430	SAT / UNSAT / NA	SAT / UNSAT / NA	42.0 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
Tue	LA0000069280	SAT / UNSAT / NA	SAT / UNSAT / NA	39.3 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA0000068638	SAT / UNSAT / NA	SAT / UNSAT / NA	39.9 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA0000068430	SAT / UNSAT / NA	SAT / UNSAT / NA	40.5 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
Wed	LA0000069280	SAT / UNSAT / NA	SAT / UNSAT / NA	39.6 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA0000068430	SAT / UNSAT / NA	SAT / UNSAT / NA	44.0 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	NA	SAT / UNSAT / NA	SAT / UNSAT / NA	NA °F	SAT / UNSAT / NA	SAT / UNSAT / NA
Thur	LA0000068430	SAT / UNSAT / NA	SAT / UNSAT / NA 5:34 MM	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	LA0000068430	SAT / UNSAT / NA	SAT / UNSAT / NA	39.8 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA0000069445	SAT / UNSAT / NA	SAT / UNSAT / NA	40.2 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA0000069618	SAT / UNSAT / NA	SAT / UNSAT / NA	41.6 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
Sat	LA0000060430	SAT / UNSAT / NA	SAT / UNSAT / NA	39.7 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA0000069445	SAT / UNSAT / NA	SAT / UNSAT / NA	39.1 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA0000069618	SAT / UNSAT / NA	SAT / UNSAT / NA	39.7 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
Sun	LA0000060430	SAT / UNSAT / NA	SAT / UNSAT / NA	39.5 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA0000069445	SAT / UNSAT / NA	SAT / UNSAT / NA	39.2 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA0000069618	SAT / UNSAT / NA	SAT / UNSAT / NA	39.7 °F	SAT / UNSAT / NA	SAT / UNSAT / NA

TSR - INSIDE ROUNDS							Period Covered (mm/dd/yy) 6/5/2017 to 6/11/2017				
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	LA0000068430	SAT / UNSAT / NA	SAT / UNSAT / NA	40.8 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA0000069445	SAT / UNSAT / NA	SAT / UNSAT / NA	41.3 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA0000069618	SAT / UNSAT / NA	SAT / UNSAT / NA	41.6 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
Tue	LA0000069618	SAT / UNSAT / NA	SAT / UNSAT / NA	40.8 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA0000068430	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
Wed	LA0000069618	SAT / UNSAT / NA	SAT / UNSAT / NA	40.7 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA0000068430	SAT / UNSAT / NA	SAT / UNSAT / NA	mr 6-7-17 40.4 °F 40.4°	SAT / UNSAT / NA	SAT / UNSAT / NA
	NA	SAT / UNSAT / NA	SAT / UNSAT / NA	NA °F	SAT / UNSAT / NA	SAT / UNSAT / NA
Thur	LA0000068430	SAT / UNSAT / NA	SAT / UNSAT / NA	39.0 °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	LA0000069636	SAT / UNSAT / NA	SAT / UNSAT / NA	41.8 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA0000068685	SAT / UNSAT / NA	SAT / UNSAT / NA	42.0 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA0000068430	SAT / UNSAT / NA	SAT / UNSAT / NA	41.2 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
Sat	LA0000069636	SAT / UNSAT / NA	SAT / UNSAT / NA	40.7 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA0000068685	SAT / UNSAT / NA	SAT / UNSAT / NA	40.8 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA0000068430	SAT / UNSAT / NA	SAT / UNSAT / NA	41.5 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
Sun	LA0000069636	SAT / UNSAT / NA	SAT / UNSAT / NA	41.5 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA0000068685	SAT / UNSAT / NA	SAT / UNSAT / NA	41.6 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA0000068430	SAT / UNSAT / NA	SAT / UNSAT / NA	41.2 °F	SAT / UNSAT / NA	SAT / UNSAT / NA

TSR - INSIDE ROUNDS							Period Covered (mm/dd/yy) 6 12 2017 to 6 18 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	LA000006963 6	SAT / UNSAT / NA	SAT / UNSAT / NA	41.5 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA000006 8685	SAT / UNSAT / NA	SAT / UNSAT / NA	41.2 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA000006 8430	SAT / UNSAT / NA	SAT / UNSAT / NA	40.6 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
Tue	LA000006 8685	SAT / UNSAT / NA	SAT / UNSAT / NA	40.7 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA000006 8430	SAT / UNSAT / NA	SAT / UNSAT / NA	39.4 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	N/A	SAT / UNSAT / NA	SAT / UNSAT / NA	N/A °F	SAT / UNSAT / NA	SAT / UNSAT / NA
Wed	LA000006 8430	SAT / UNSAT / NA	SAT / UNSAT / NA	39.6 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	N/A	SAT / UNSAT / NA	SAT / UNSAT / NA	N/A °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	N/A	SAT / UNSAT / NA	SAT / UNSAT / NA	N/A °F	SAT / UNSAT / NA	SAT / UNSAT / NA
Thur	LA000006 9641	SAT / UNSAT / NA	SAT / UNSAT / NA	41.7 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA000006 9076	SAT / UNSAT / NA	SAT / UNSAT / NA	40.9 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA000006 8430	SAT / UNSAT / NA	SAT / UNSAT / NA	40.7 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
Fri	LA000006 9641	SAT / UNSAT / NA	SAT / UNSAT / NA	41.4 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA000006 9076	SAT / UNSAT / NA	SAT / UNSAT / NA	40.7 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA000006 8430	SAT / UNSAT / NA	SAT / UNSAT / NA	39.4 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
Sat	LA000006 9641	SAT / UNSAT / NA	SAT / UNSAT / NA	40.3 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA000006 9076	SAT / UNSAT / NA	SAT / UNSAT / NA	39.4 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA000006 8430	SAT / UNSAT / NA	SAT / UNSAT / NA	39.4 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
Sun	LA000006 9641	SAT / UNSAT / NA	SAT / UNSAT / NA	41.5 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA000006 9076	SAT / UNSAT / NA	SAT / UNSAT / NA	39.6 °F	SAT / UNSAT / NA	SAT / UNSAT / NA
	LA000006 8430	SAT / UNSAT / NA	SAT / UNSAT / NA	40.7 °F	SAT / UNSAT / NA	SAT / UNSAT / NA

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] (S) PRDwSF intact and not obstructed (DP 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 69641	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
	N A	SAT / UNSAT / NA	SAT / UNSAT / NA	N A °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

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