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Sent: Wednesday, May 17, 2017 3:25 PM
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Subject: Monthly Technical Summary April 20, 2017 – May 17, 2017

Linked below is the written monthly technical summary April 20, 2017 – May 17, 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 May 17, 2017.pdf (29.4 MB)

Please remember the following:

- **Be wary of unexpected files as they may contain malware.**
- Files are automatically deleted 10 days after being uploaded.
- There is no need to reply to this automatically-generated notice.

Cathy Juarez for
Mark Haagenstad
EPC-CP

NMED / LANL Technical Summary

April 20, 2017 – May 17, 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 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 were removed from overpack containers and are located within the refrigerator attached to the 375 Permacon.
    - Three containers will be denested following today's shipment and placed within the refrigerator attached to the 375 Permacon.
    - All other containers remain in the 375 Permacon.

- **Monitoring - Daily Temperature**
  - Temperatures are currently below 75 °F.
    - Previous month's temperature data attached.

- **Monitoring – Visual Inspections**
  - No abnormal conditions were observed.

- **Monitoring – headspace gas (HSG)**
  - Containers (SWBs) 68685 and 69490 (formerly overpacked into SB50522) continue daily head space gas (HSG) sample collection.
    - April 19, 2017 – May 16, 2017 HSG data (H_2, CO, CO_2 and N_2O) attached.
  - Other containers:
    - A minimum of once per month HSG sampling is conducted on 55-gallon drums or overpack containers.
      - Through May 16, 2017, LANL has completed HSG sampling for the month on 39 containers.
        - April 19, 2017 – May 16, 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 and N_2O) attached for April 2017 and May 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.
    - CH_4 values have been added to graphical depictions with this summary submittal.

- **Anticipated Changes to Nitrate Salt-Bearing Waste Containers (e.g. movement, re-packaging)**
    - Shipment of three remediated nitrate salt-bearing waste containers to the Waste Characterization, Reduction and Packaging Facility (WCRRF) will occur today and treatment of waste at WCRRF will commence on Thursday, May 18, 2017.

Other:

Next Call: Wednesday, June 21, 2017

- Due to inclement weather conditions on April 29, 2017, required daily temperature monitoring and visual inspections associated with the remediated nitrate salt-bearing waste containers were not conducted. The remote temperature monitoring system in place at Dome 375 was used to verify container temperatures were within normal ranges. Additionally, headspace gas sampling and analysis was not performed for the two required containers (68685 and 69490).
    - This information was reported to the NMED-HWB via email on May 2, 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
04/19/17	263	584	6377	1223	30															
04/20/17	272	660	6491	1284	29	328	1365	23980	3253	28	289	1119	18880	1158	26	375	1217	19002	3073	24
04/21/17	245	664	5750	1123	25															
04/22/17	270	814	6400	1243	28															
04/23/17	271	576	6438	1249	23															
04/24/17	269	571	6375	1202	25	325	1212	24128	3296	18	282	1081	18493	1142	28	362	1177	18551	3054	17
04/25/17	273	705	6510	1262	28															
04/26/17	251	660	6120	1177	25															
04/27/17	219	696	5216	1024	26	311	1374	22626	3082	27	284	1134	18081	1190	34	353	1187	17371	2896	16
04/28/17	250	489	5835	1087	24															
04/29/17																				
04/30/17	244	577	5941	1117	21															
05/01/17	247	547	5820	1085	29	329	1237	22659	3099	22	290	1136	17181	1083	33	381	1058	17484	2940	20
05/02/17	260	565	6107	1145	30															
05/03/17	259	514	5910	1126	24															
05/04/17	264	829	6104	1182	31	315	1369	21755	3030	20	273	950	17848	1172	32	382	990	18642	3003	17
05/05/17	263	502	6303	1195	27															
05/06/17	262	526	6049	1219	22															
05/07/17	275	533	6630	1237	25															
05/08/17	194	492	4388	879	25	316	1433	23016	3184	27	286	986	18845	1174	35	387	1314	19429	3190	16
05/09/17	273	634	6302	1265	28															
05/10/17	267	543	5947	1163	23															
05/11/17	259	746	6115	1169	28	311	1389	23024	3200	28	285	1193	18182	1135	29	380	1147	18505	3121	17
05/12/17	256	515	5815	1135	29															
05/13/17	263	510	6060	1191	19															
05/14/17	273	558	6211	1233	25															
05/15/17	241	568	5594	1061	27	320	1274	23749	3310	20	287	1144	18809	1193	34	375	1136	19080	3170	21
05/16/17	271	534	6378	1207	27						279	1226	18425	1134	31					

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
04/19/17											802	1887	21736	5077	32					
04/20/17	885	1830	24461	2791	26	389	1396	18596	2475	18	833	1643	21292	4923	34					
04/21/17											852	1761	22372	5186	39					
04/22/17											841	1680	21618	5050	29					
04/23/17											843	1835	22256	5162	31					
04/24/17	799	1497	22928	2594	26	426	1378	18462	2492	18	828	1795	21622	5051	28					
04/25/17											787	2040	21894	5169	27					
04/26/17											832	1701	21359	4994	29					
04/27/17	865	1784	24239	2711	25	339	1239	17432	2338	26	696	1548	20489	4823	27					
04/28/17											796	1607	20365	4741	26					
04/29/17																				
04/30/17											563	1373	14357	3384	33					
05/01/17	677	1392	18579	2048	21	452	1285	17221	2297	20	817	1573	20025	4667	26					
05/02/17											837	1759	20117	4674	36					
05/03/17											876	1917	21489	5059	31					
05/04/17	822	1577	23043	2570	27	392	1303	17295	2344	19	871	1898	21651	5121	26					
05/05/17											852	1866	21661	5041	29					
05/06/17											871	1898	21651	5121	28					
05/07/17											840	1912	21682	5121	31					
05/08/17	846	1819	23889	2730	30	446	1387	18677	2509	19	828	1638	21268	4968	35					
05/09/17											849	1779	22428	5329	30					
05/10/17											846	1951	22002	5082	31	246	717	10519	1896	21
05/11/17	810	1820	23392	2618	26						845	1768	22191	5183	29					
05/12/17						381	1134	15963	2114	18	829	1912	21653	5059	23					
05/13/17											869	1801	23005	5395	33					
05/14/17											852	1758	22201	5224	28					
05/15/17	577	1513	20949	2394	26	438	1372	18715	2506	19	753	1664	20330	4700	29					
05/16/17											861	1894	22808	5372	31	239	849	10870	2052	18

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
04/19/17																				
04/20/17											49	68	1203	214	0					
04/21/17																				
04/22/17																				
04/23/17																				
04/24/17																				
04/25/17																				
04/26/17																				
04/27/17																				
04/28/17																				
04/29/17																				
04/30/17																				
05/01/17																				
05/02/17																				
05/03/17																				
05/04/17																				
05/05/17																				
05/06/17																				
05/07/17																				
05/08/17																				
05/09/17																31	82	1780	195	0
05/10/17	114	107	2548	154	0															
05/11/17																				
05/12/17																				
05/13/17																				
05/14/17																				
05/15/17																				
05/16/17											47	64	1145	166	0					

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**
04/19/17																45	94	1891	40	0
04/20/17																				
04/21/17																				
04/22/17																				
04/23/17																				
04/24/17																				
04/25/17																				
04/26/17																				
04/27/17																				
04/28/17																				
04/29/17																				
04/30/17																				
05/01/17																				
05/02/17																				
05/03/17																				
05/04/17																				
05/05/17																				
05/06/17																				
05/07/17																				
05/08/17																				
05/09/17																				
05/10/17						11	35	1154	70	0	14	0	428	0	0					
05/11/17																				
05/12/17																				
05/13/17																				
05/14/17																				
05/15/17																				
05/16/17																				

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
04/19/17																				
04/20/17																				
04/21/17																				
04/22/17																				
04/23/17																				
04/24/17																				
04/25/17																				
04/26/17																				
04/27/17																				
04/28/17																				
04/29/17																				
04/30/17																				
05/01/17																				
05/02/17						103	0	1144	415	0										
05/03/17																				
05/04/17																				
05/05/17																				
05/06/17																				
05/07/17																				
05/08/17																				
05/09/17																				
05/10/17																				
05/11/17																				
05/12/17																				
05/13/17																				
05/14/17																				
05/15/17																				
05/16/17																				

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
04/19/17						155	576	5782	2014	0										
04/20/17																				
04/21/17																				
04/22/17																				
04/23/17																				
04/24/17																				
04/25/17																				
04/26/17																				
04/27/17																				
04/28/17																				
04/29/17																				
04/30/17																				
05/01/17																				
05/02/17											15	0	1323	137	0	262	1148	10089	3307	18
05/03/17																				
05/04/17																				
05/05/17																				
05/06/17																				
05/07/17																				
05/08/17																				
05/09/17	342	870	15375	4365	17															
05/10/17																				
05/11/17																				
05/12/17																				
05/13/17																				
05/14/17																				
05/15/17																				
05/16/17																				

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**
04/19/17																				
04/20/17																				
04/21/17																				
04/22/17																				
04/23/17																				
04/24/17																				
04/25/17																				
04/26/17																				
04/27/17																				
04/28/17																				
04/29/17																				
04/30/17																				
05/01/17																				
05/02/17											190	754	11900	4090	15					
05/03/17																				
05/04/17																				
05/05/17																				
05/06/17																				
05/07/17																				
05/08/17																				
05/09/17						40	0	1809	111	0										
05/10/17	139	480	2191	969	0															
05/11/17																				
05/12/17																				
05/13/17																				
05/14/17																				
05/15/17																				
05/16/17																				

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
04/19/17	405	1139	14491	2676	23															
04/20/17																				
04/21/17																				
04/22/17																				
04/23/17																				
04/24/17																				
04/25/17																				
04/26/17																				
04/27/17																				
04/28/17																				
04/29/17																				
04/30/17																				
05/01/17																				
05/02/17																				
05/03/17																				
05/04/17																				
05/05/17																				
05/06/17																				
05/07/17																				
05/08/17																				
05/09/17																114	81	4553	530	0
05/10/17																				
05/11/17																				
05/12/17																				
05/13/17																				
05/14/17																				
05/15/17																				
05/16/17																				

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**
04/19/17																				
04/20/17																				
04/21/17																				
04/22/17																				
04/23/17																				
04/24/17																				
04/25/17																				
04/26/17																				
04/27/17																				
04/28/17																				
04/29/17																				
04/30/17																				
05/01/17																				
05/02/17																				
05/03/17																				
05/04/17																				
05/05/17																				
05/06/17																				
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05/08/17																				
05/09/17																				
05/10/17																				
05/11/17																				
05/12/17																				
05/13/17																				
05/14/17																				
05/15/17																				
05/16/17																				

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**
04/19/17						580	1583	14086	4918	23										
04/20/17																				
04/21/17																				
04/22/17																				
04/23/17																				
04/24/17																				
04/25/17																				
04/26/17																				
04/27/17																				
04/28/17																				
04/29/17																				
04/30/17																				
05/01/17																				
05/02/17																				
05/03/17																				
05/04/17																				
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05/08/17																				
05/09/17																				
05/10/17																				
05/11/17																				
05/12/17																				
05/13/17																				
05/14/17																				
05/15/17																				
05/16/17																				

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
04/19/17																				
04/20/17																				
04/21/17																				
04/22/17																				
04/23/17																				
04/24/17																				
04/25/17																				
04/26/17																				
04/27/17																				
04/28/17																				
04/29/17																				
04/30/17																				
05/01/17																				
05/02/17																				
05/03/17																				
05/04/17																				
05/05/17																				
05/06/17																				
05/07/17																				
05/08/17																				
05/09/17	278	970	15639	2349	16	365	1133	12910	3983	22	493	1616	23962	5212	29					
05/10/17																29	0	723	431	0
05/11/17																				
05/12/17																				
05/13/17																				
05/14/17																				
05/15/17																				
05/16/17																				

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
04/19/17																				
04/20/17																				
04/21/17																				
04/22/17																				
04/23/17																				
04/24/17																				
04/25/17																				
04/26/17																				
04/27/17																				
04/28/17																				
04/29/17																				
04/30/17																				
05/01/17																				
05/02/17																82	692	10031	1177	24
05/03/17																				
05/04/17																				
05/05/17																				
05/06/17																				
05/07/17																				
05/08/17																				
05/09/17	124	456	4907	617	0															
05/10/17																				
05/11/17																				
05/12/17																				
05/13/17																				
05/14/17																				
05/15/17																				
05/16/17						47	95	2042	103	0										

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
04/19/17																				
04/20/17																				
04/21/17																				
04/22/17																				
04/23/17																				
04/24/17																				
04/25/17																				
04/26/17																				
04/27/17																				
04/28/17																				
04/29/17																				
04/30/17																				
05/01/17																				
05/02/17																690	1521	18553	3441	30
05/03/17																				
05/04/17																				
05/05/17																				
05/06/17																				
05/07/17																				
05/08/17																				
05/09/17																				
05/10/17						294	778	10278	2083	28										
05/11/17																				
05/12/17																				
05/13/17																				
05/14/17																				
05/15/17																				
05/16/17	317	711	8758	1043	18															

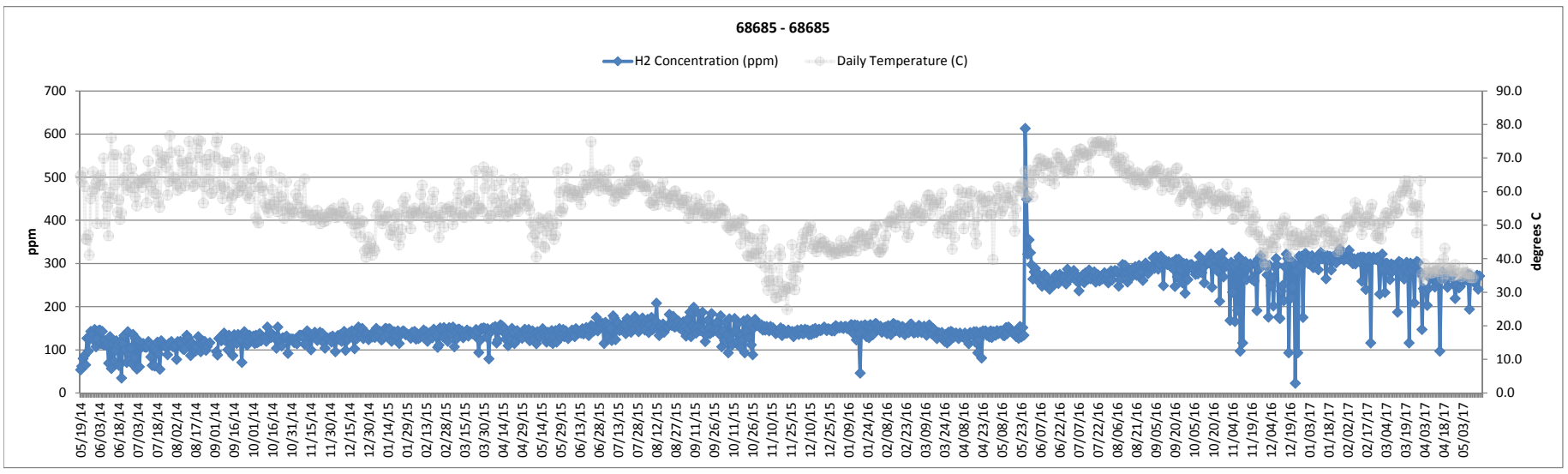
Remediated Nitrate Salt Container Headspace Gas Analysis

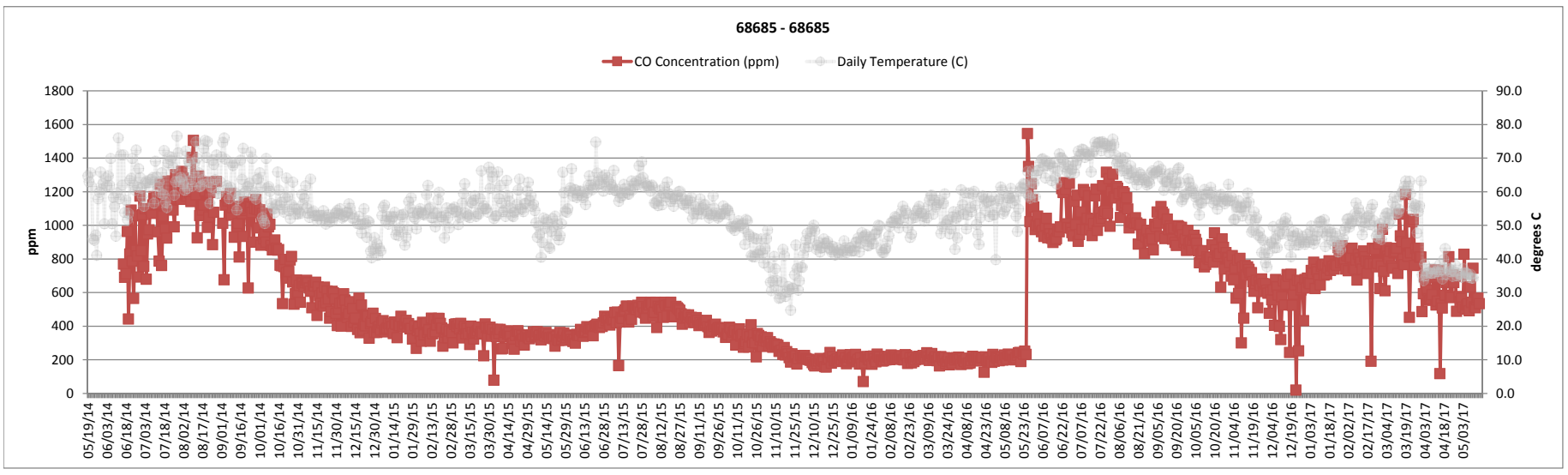
	SB50451 - 69361					SB50529 - 68665					SB50559 - 92459					SB50559 - 92472				
Date	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	CH_4 ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	CH_4 ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	CH_4 ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	CH_4 ppm
04/19/17																				
04/20/17																				
04/21/17																				
04/22/17																				
04/23/17																				
04/24/17																				
04/25/17																				
04/26/17																				
04/27/17																				
04/28/17																				
04/29/17																				
04/30/17																				
05/01/17																				
05/02/17	204	721	6755	904	10	223	709	7439	1046	22										
05/03/17																				
05/04/17																				
05/05/17																				
05/06/17																				
05/07/17																				
05/08/17																				
05/09/17																				
05/10/17											58	80	3042	150	0	70	189	4069	338	0
05/11/17																				
05/12/17																				
05/13/17																				
05/14/17																				
05/15/17																				
05/16/17																				

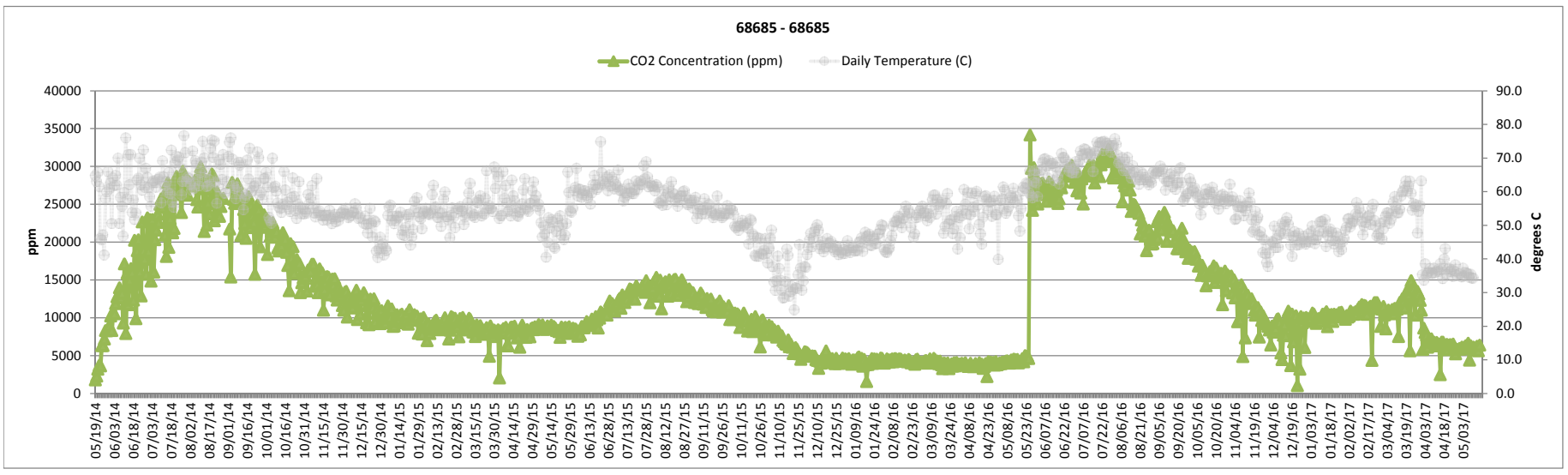
Remediated Nitrate Salt Container Headspace Gas Analysis

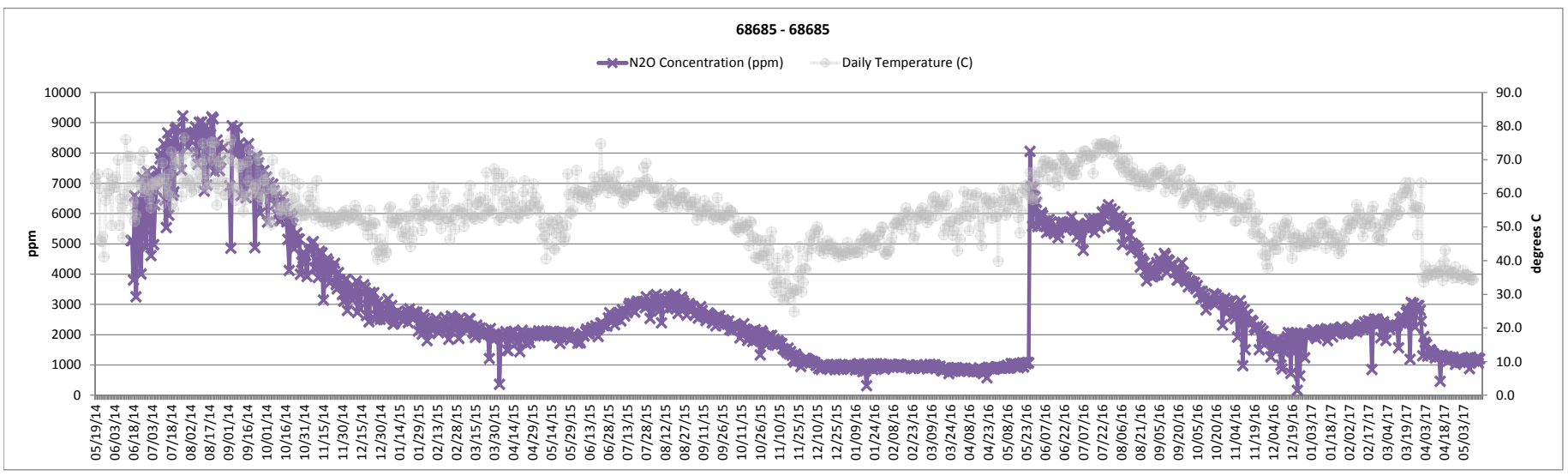
	87823					87825					87826					87827				
Date	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	CH_4 ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	CH_4 ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	CH_4 ppm	H_2 ppm	CO ppm	CO_2 ppm	N2O ppm	CH4 ppm
04/19/17																				
04/20/17																				
04/21/17																				
04/22/17																				
04/23/17																				
04/24/17																				
04/25/17																				
04/26/17																				
04/27/17																				
04/28/17																				
04/29/17																				
04/30/17																				
05/01/17																				
05/02/17																				
05/03/17																				
05/04/17	140	165	3358	603	0	79	158	4284	751	0	179	468	6437	971	0	39	113	2692	326	0
05/05/17																				
05/06/17																				
05/07/17																				
05/08/17																				
05/09/17																				
05/10/17																				
05/11/17																				
05/12/17																				
05/13/17																				
05/14/17																				
05/15/17																				
05/16/17																				

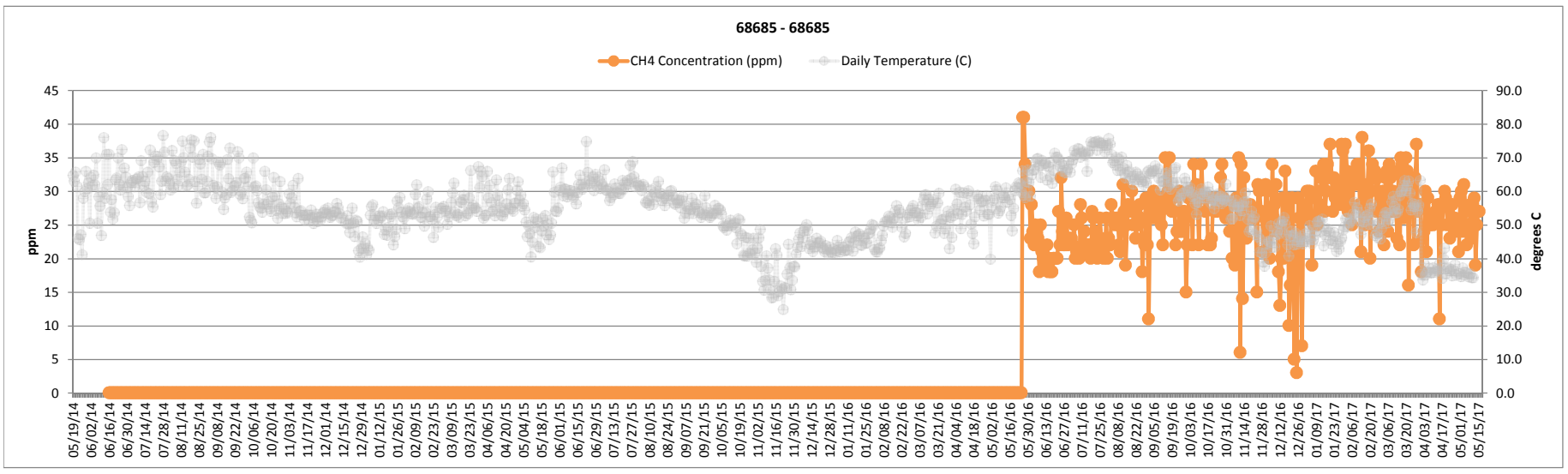
Remediated Nitrate Salt Container Headspace Gas and Temperature



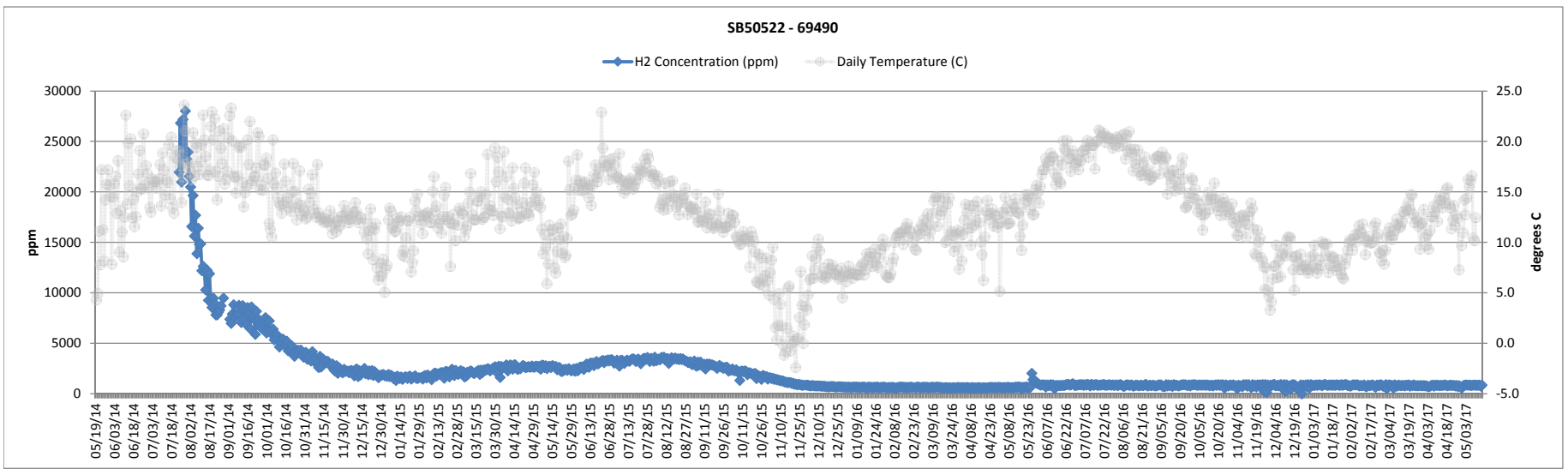


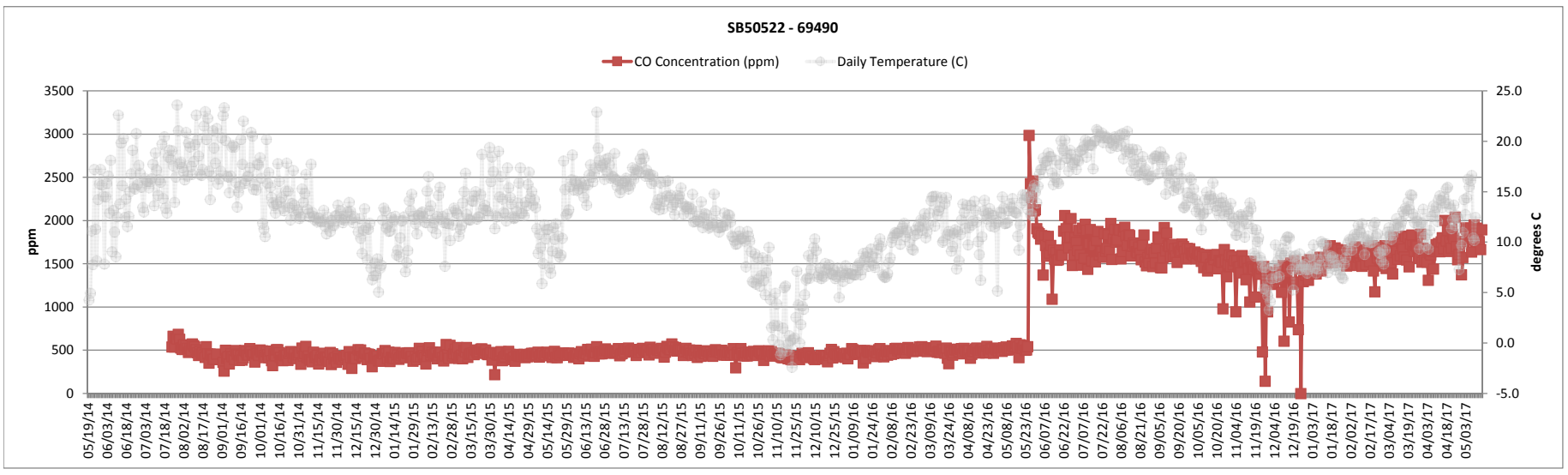


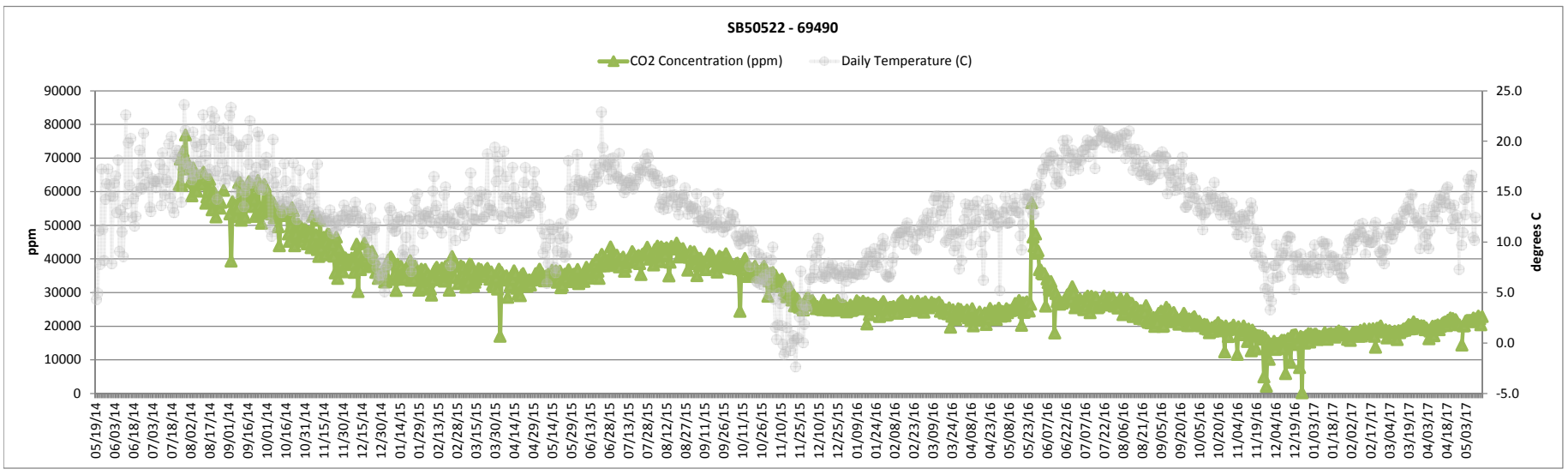


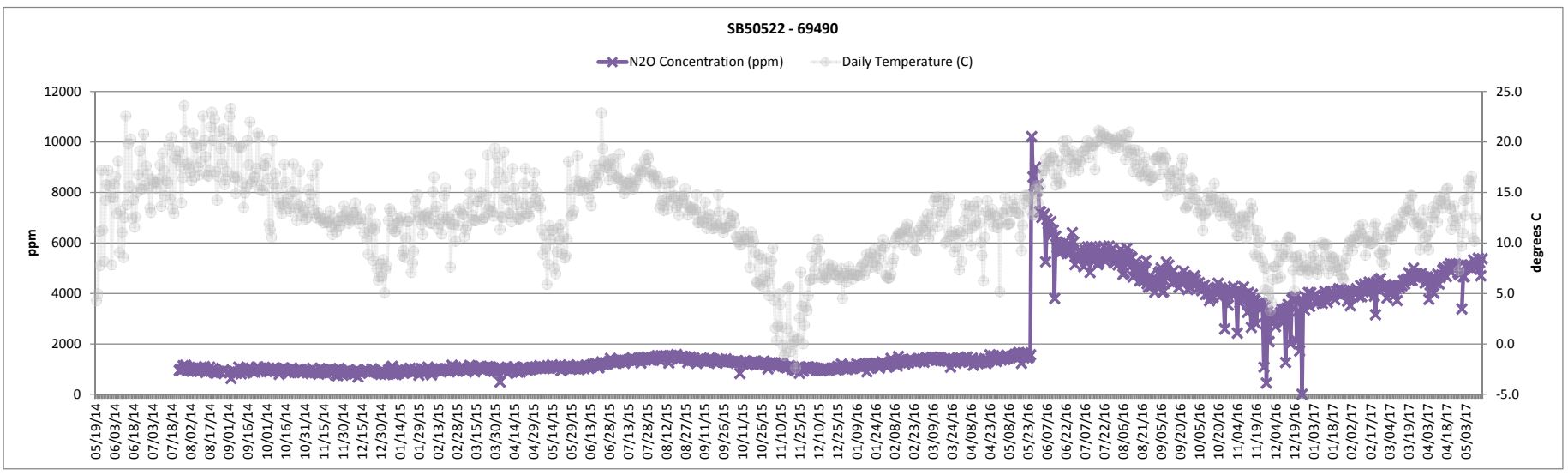


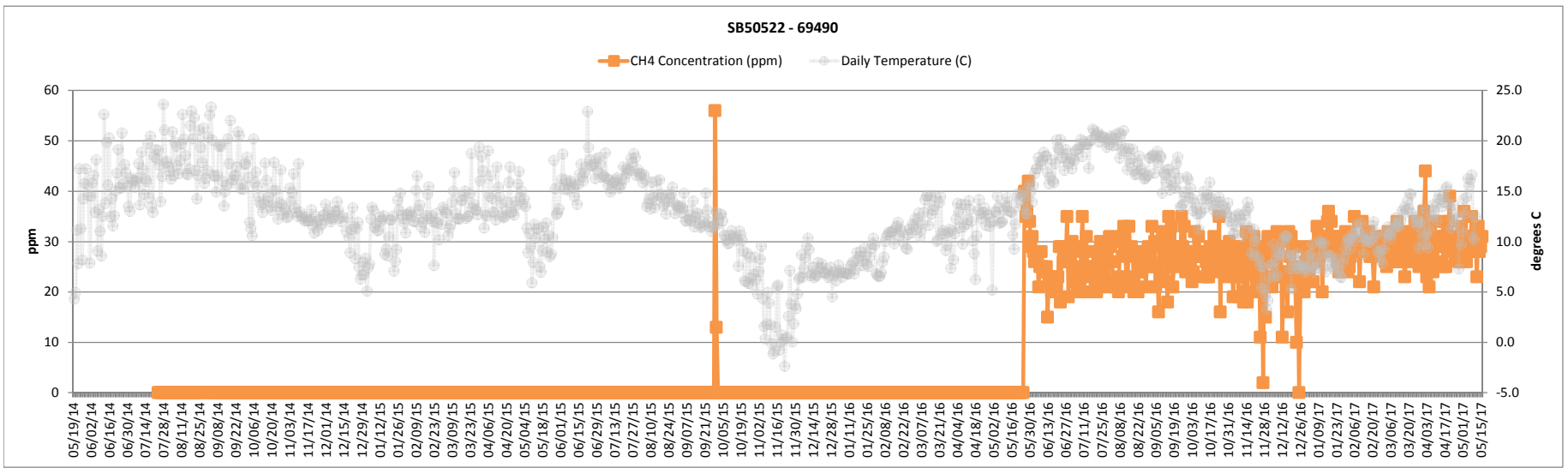
Remediated Nitrate Salt Container Headspace Gas and Temperature



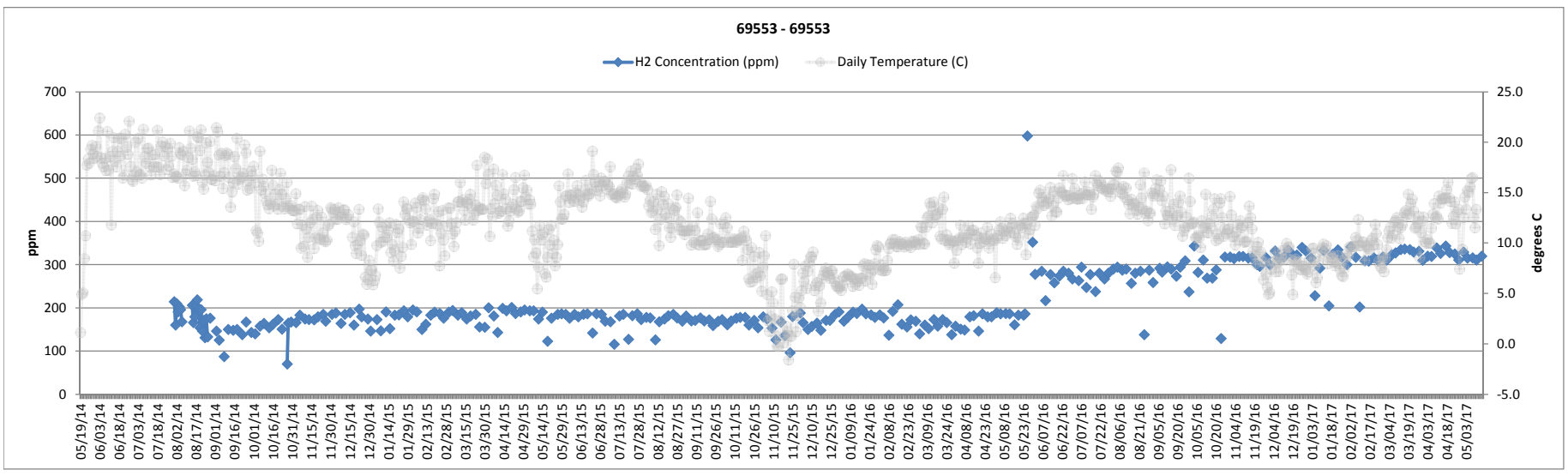


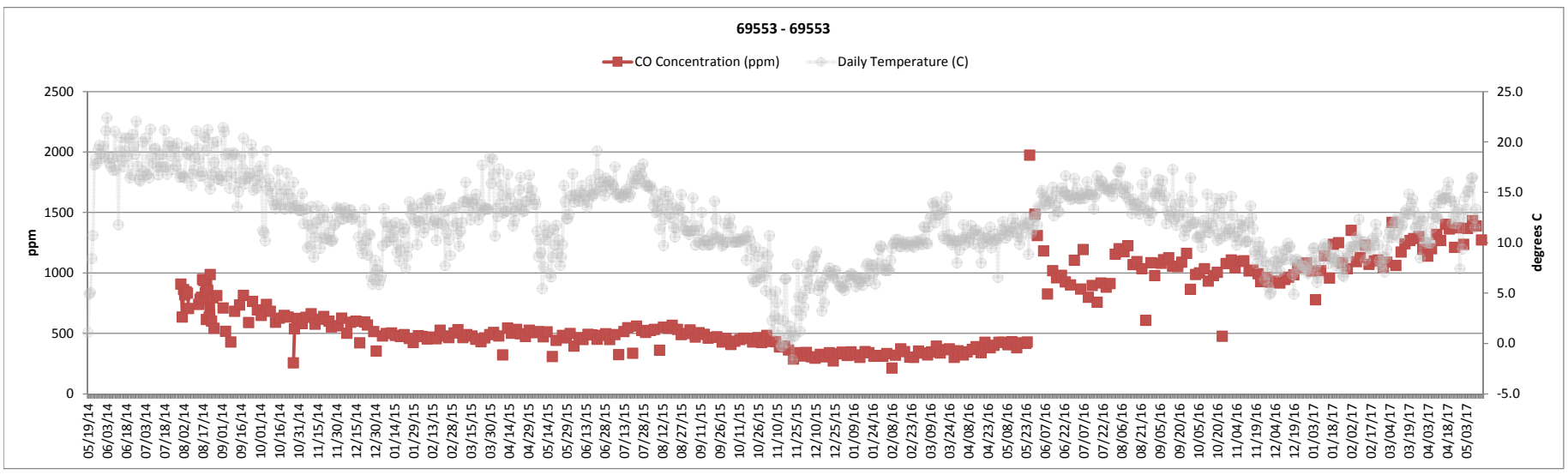


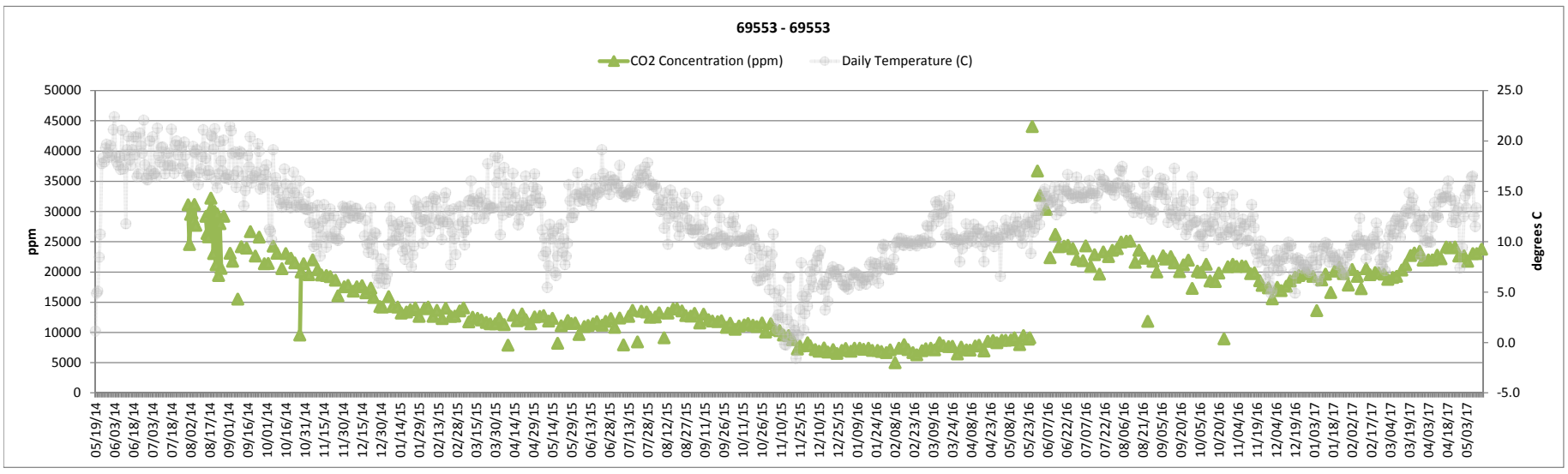


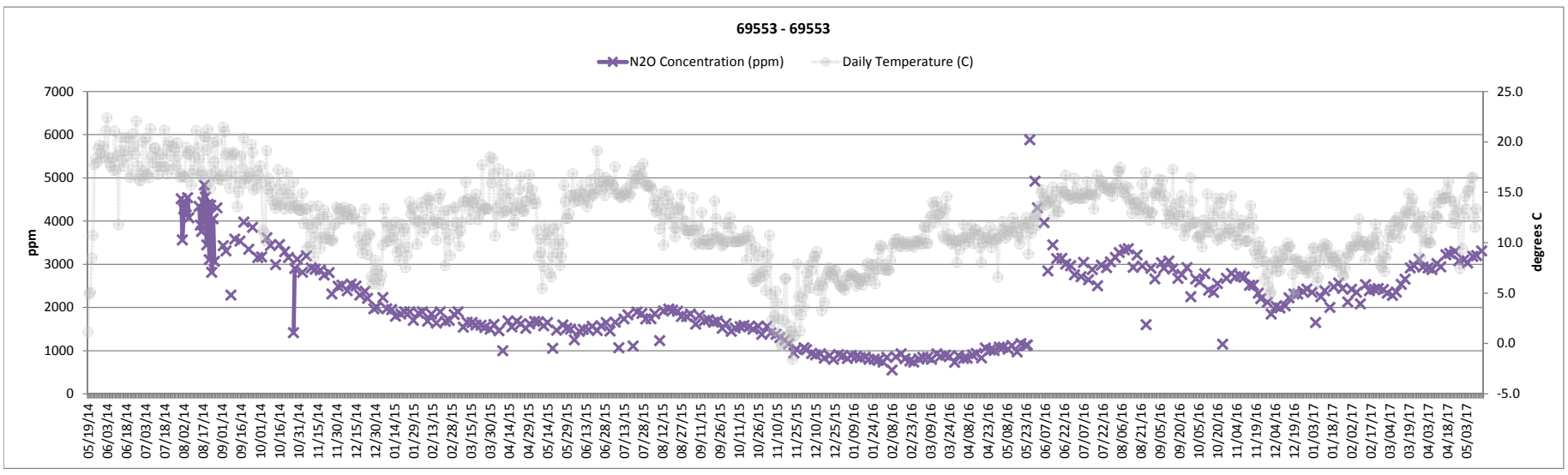


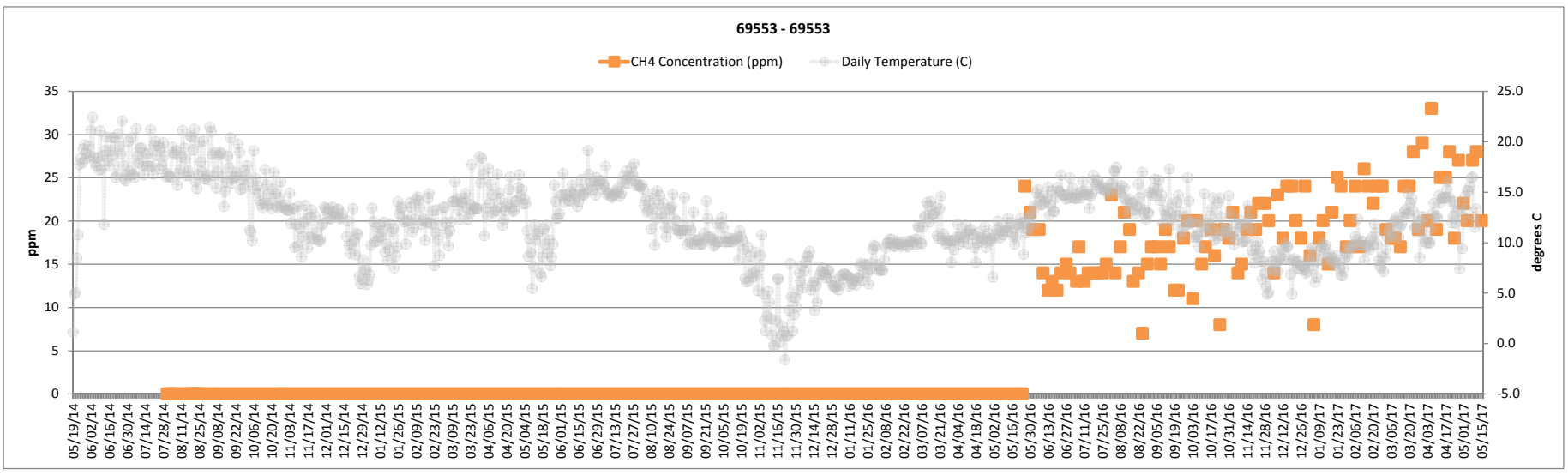
Remediated Nitrate Salt Container Headspace Gas and Temperature



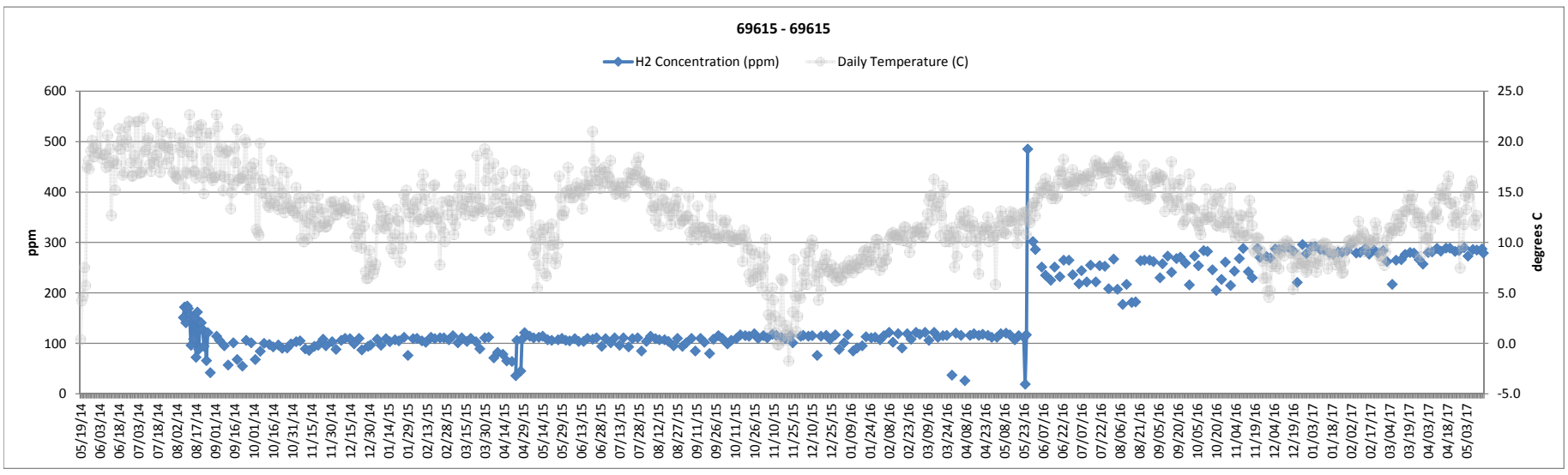


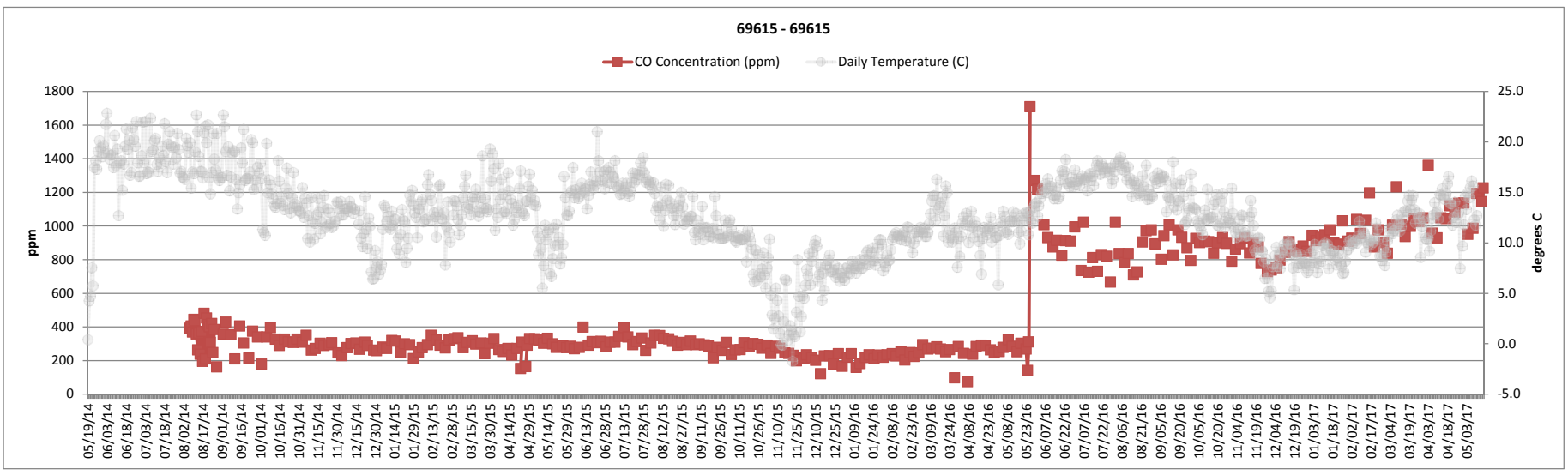


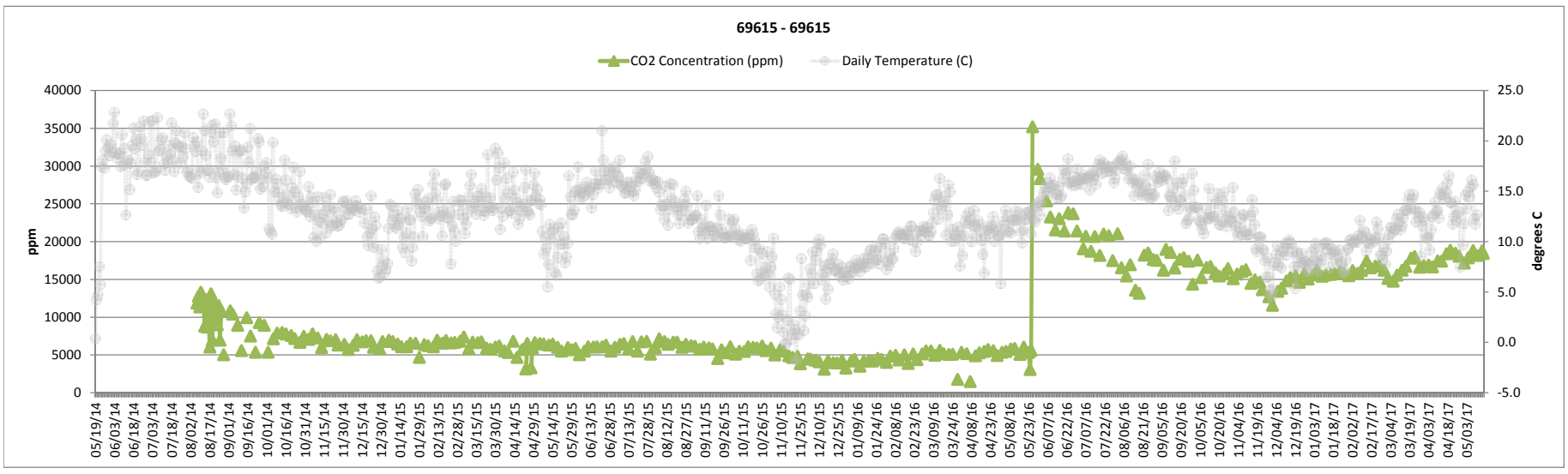


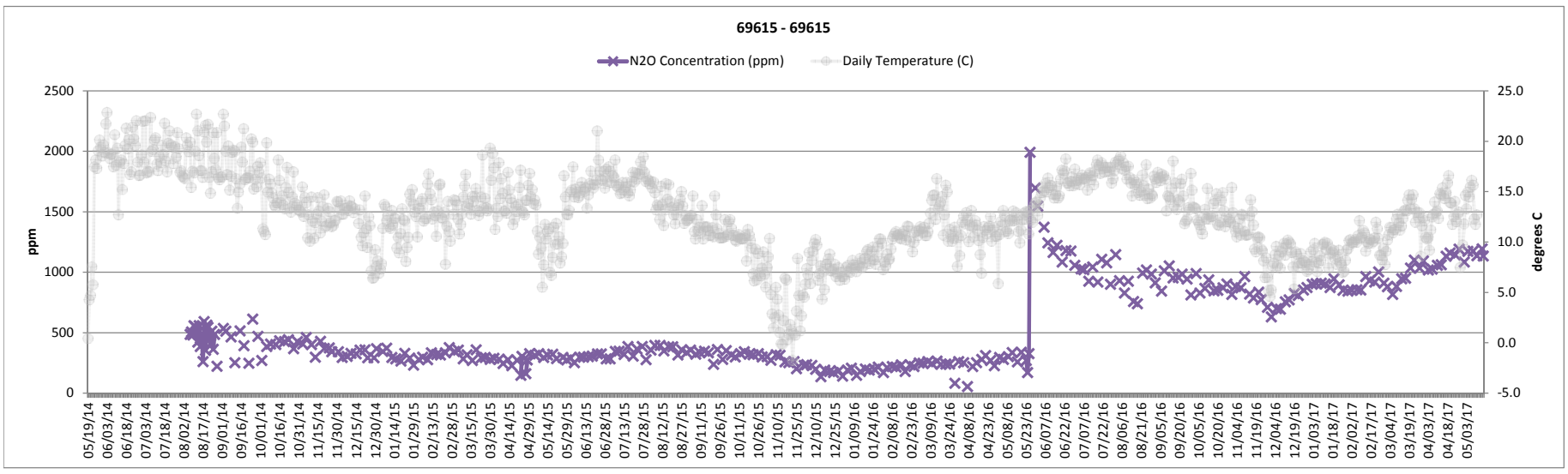


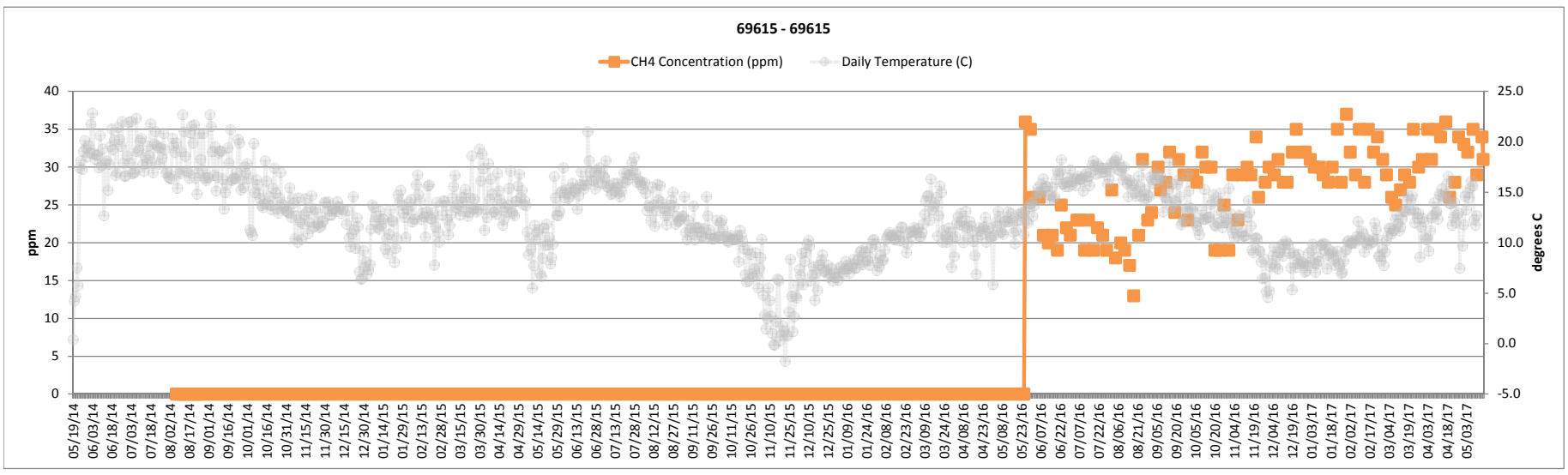
Remediated Nitrate Salt Container Headspace Gas and Temperature



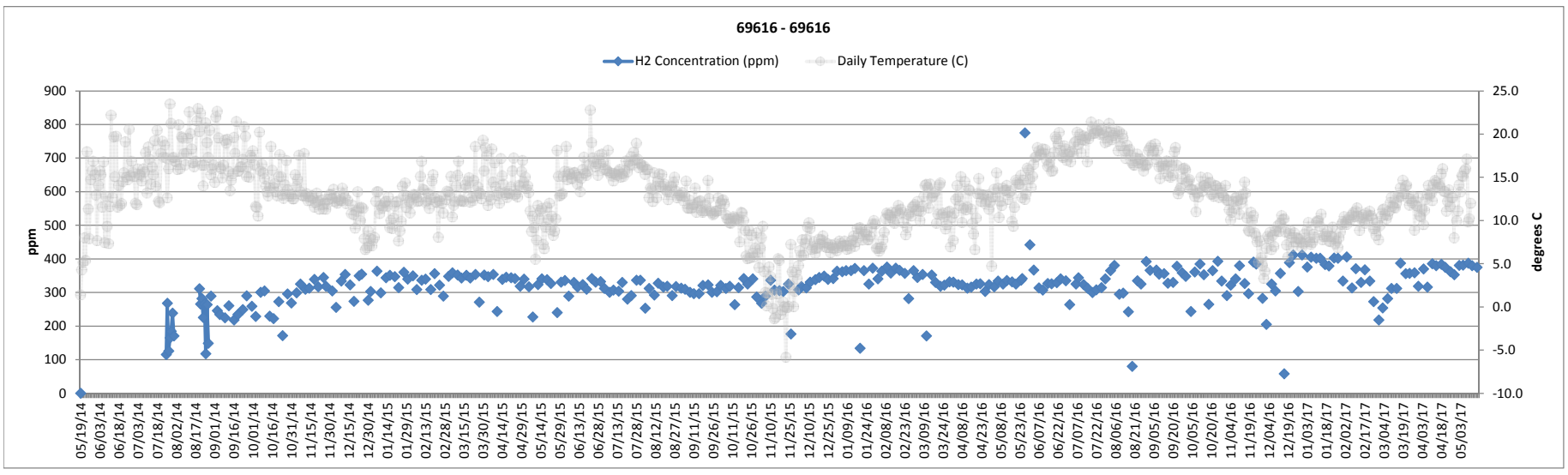


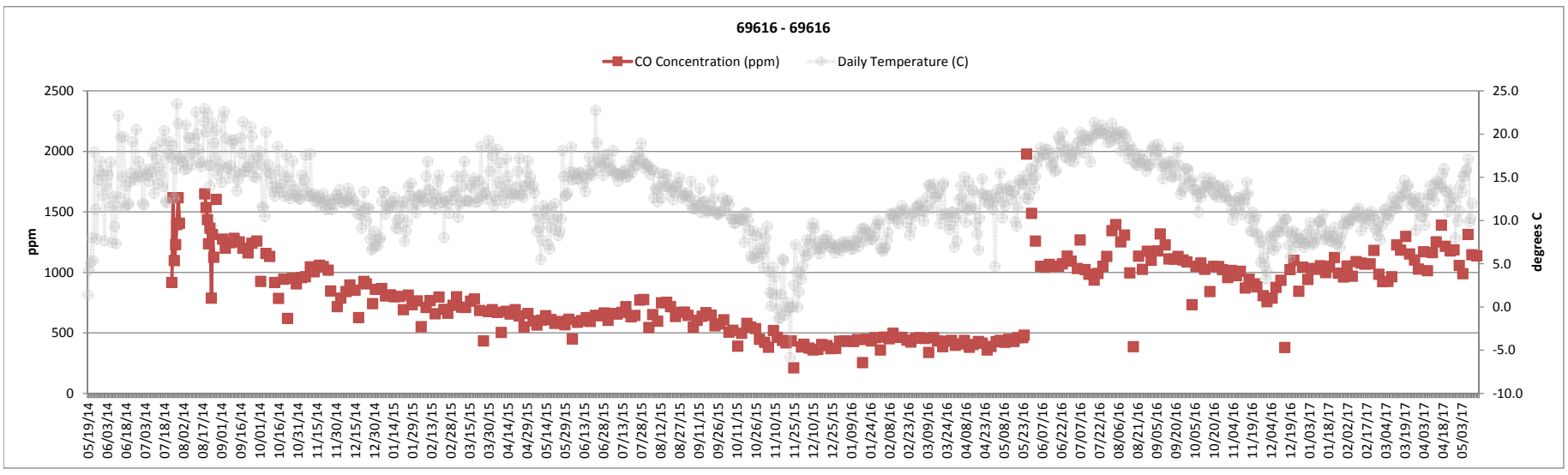


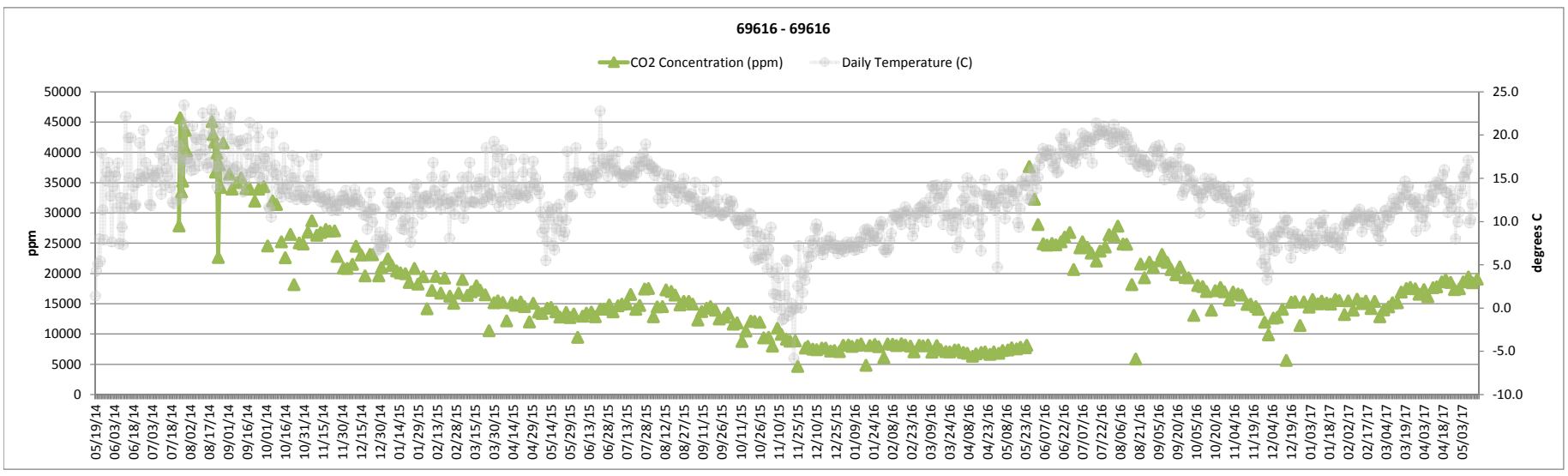


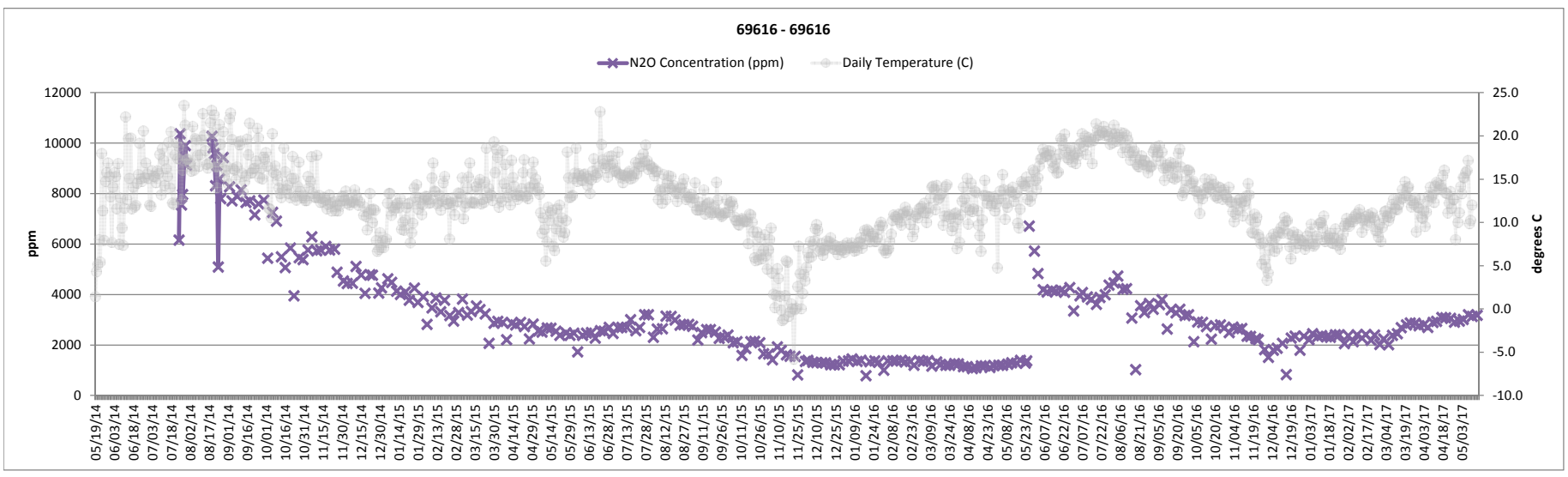


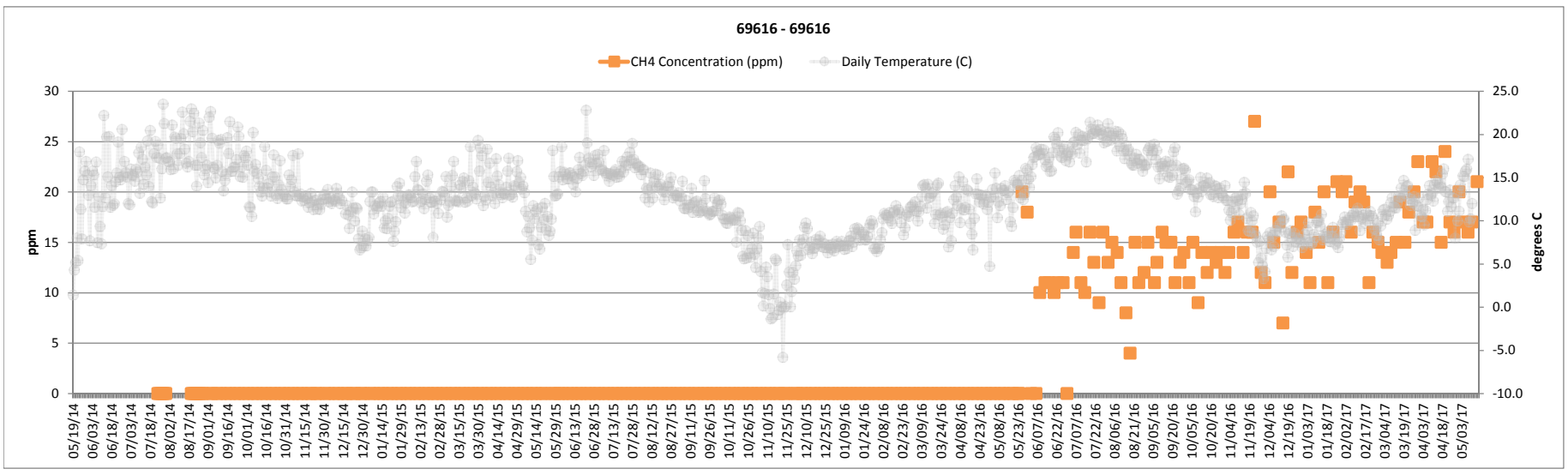
Remediated Nitrate Salt Container Headspace Gas and Temperature



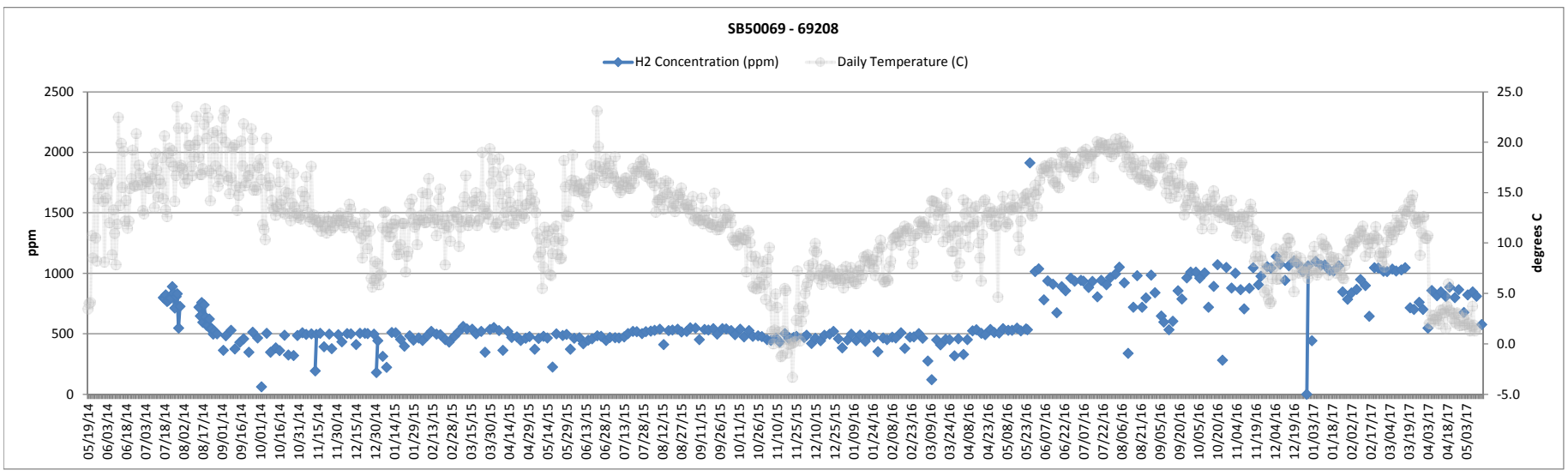


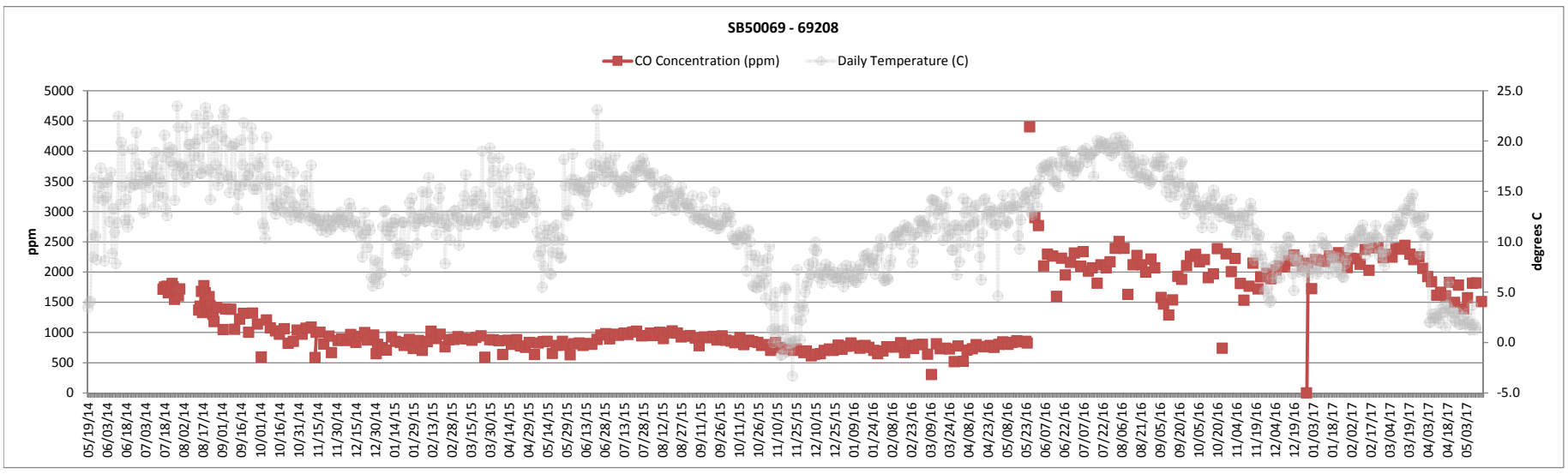


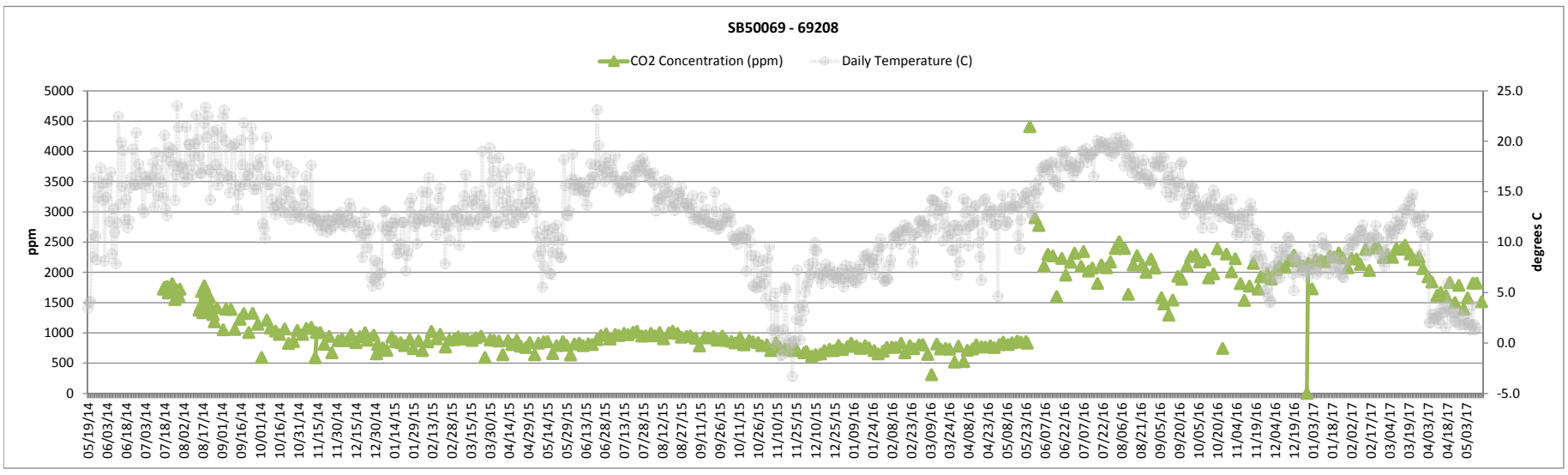


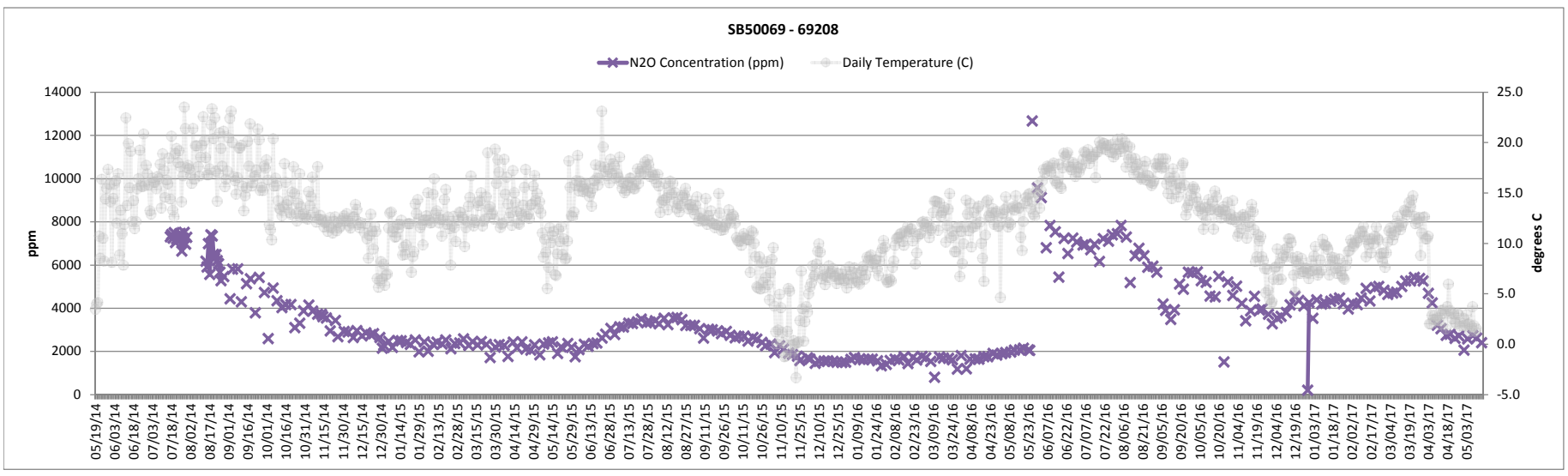


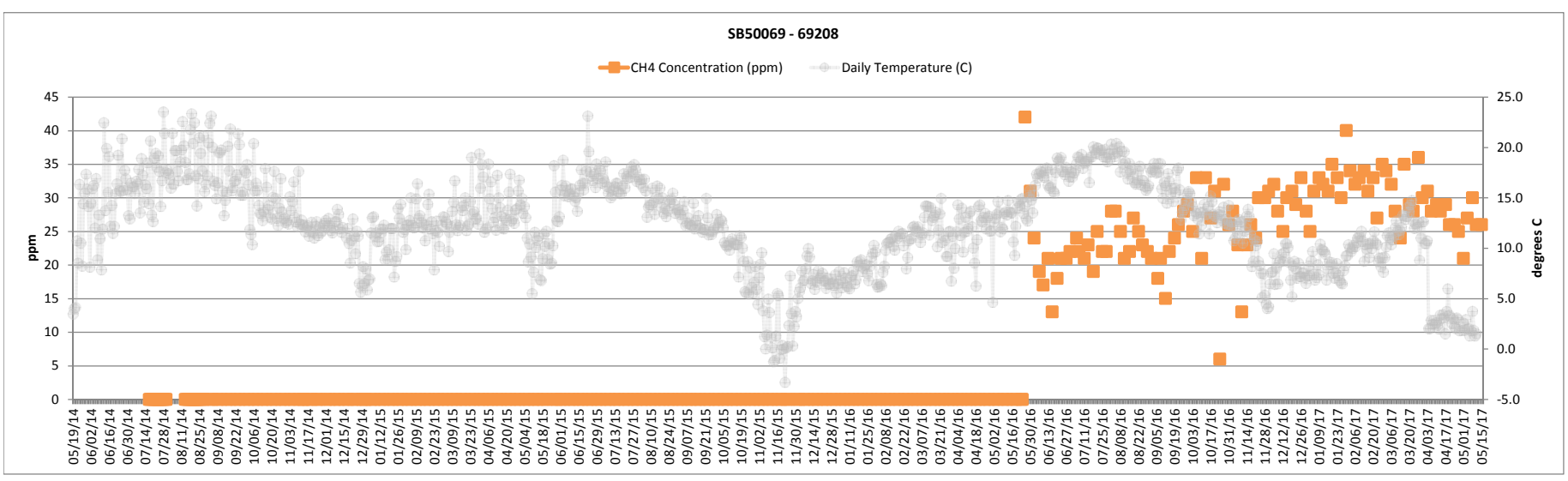
Remediated Nitrate Salt Container Headspace Gas and Temperature



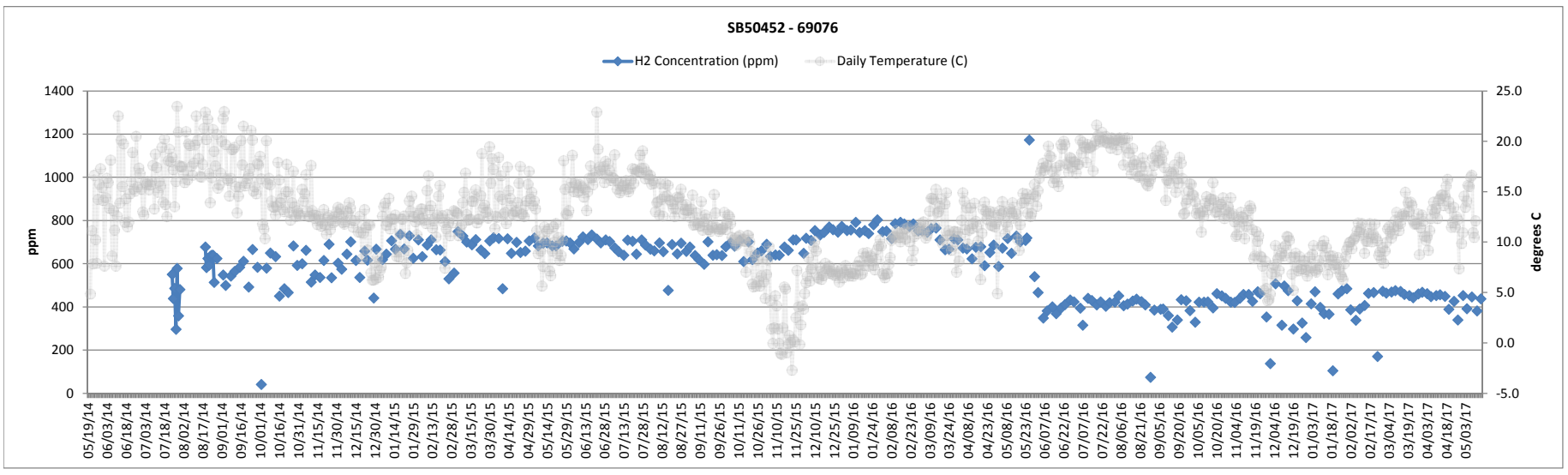


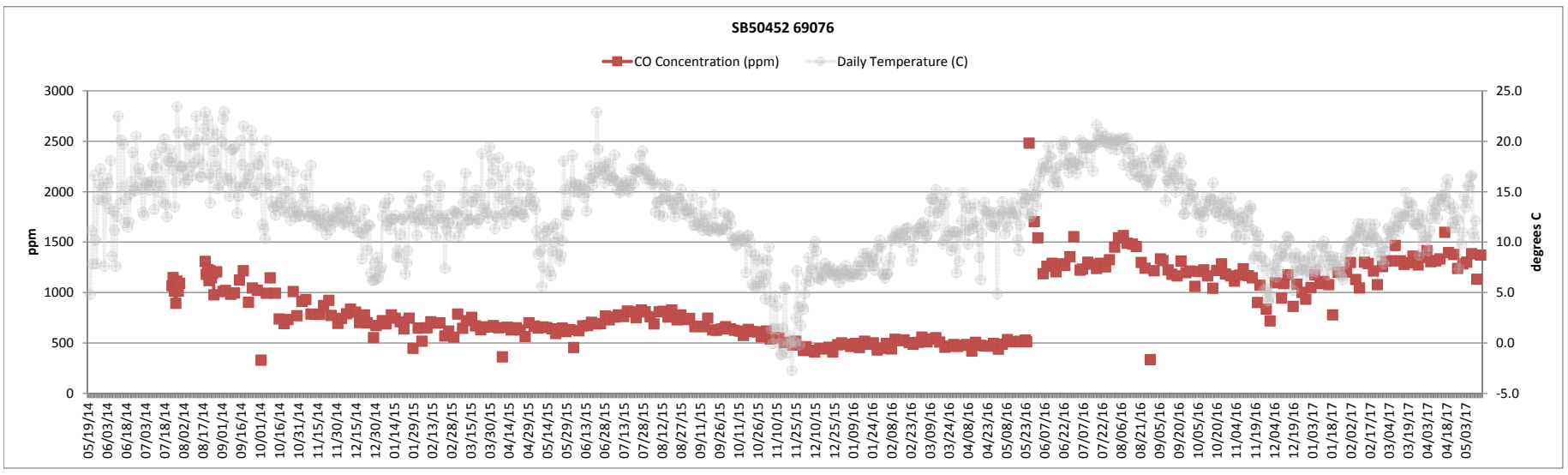


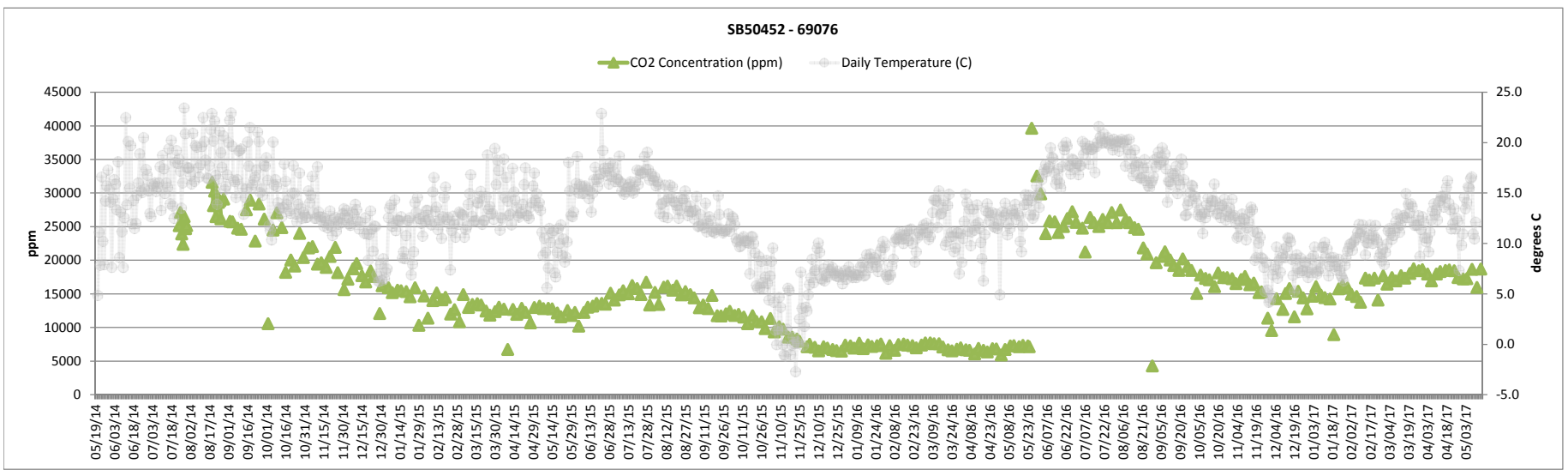


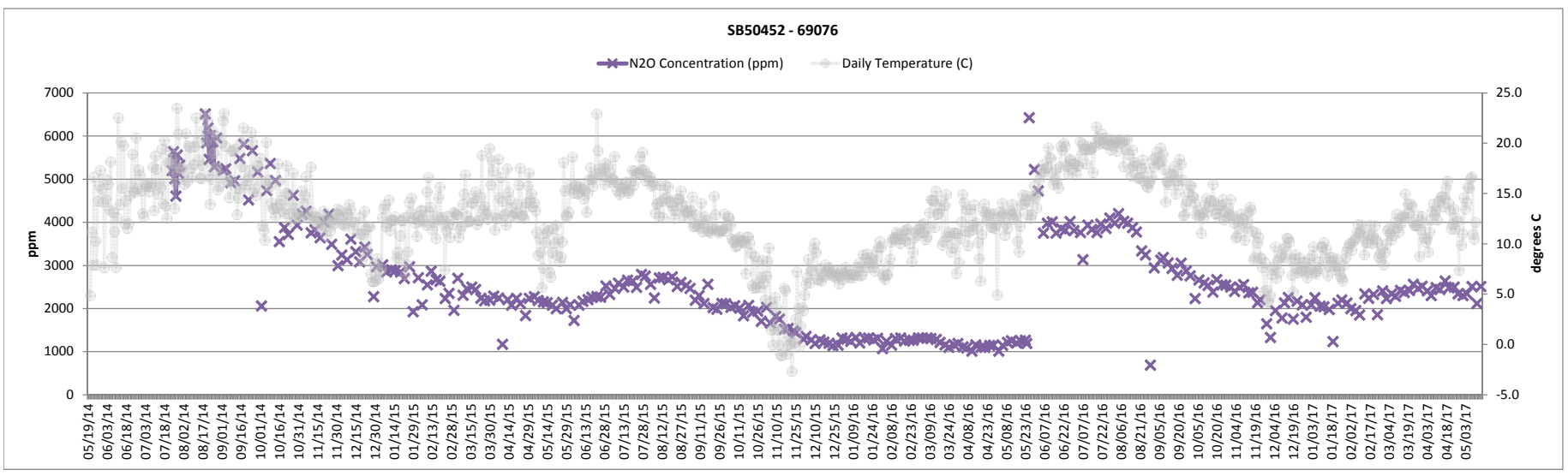


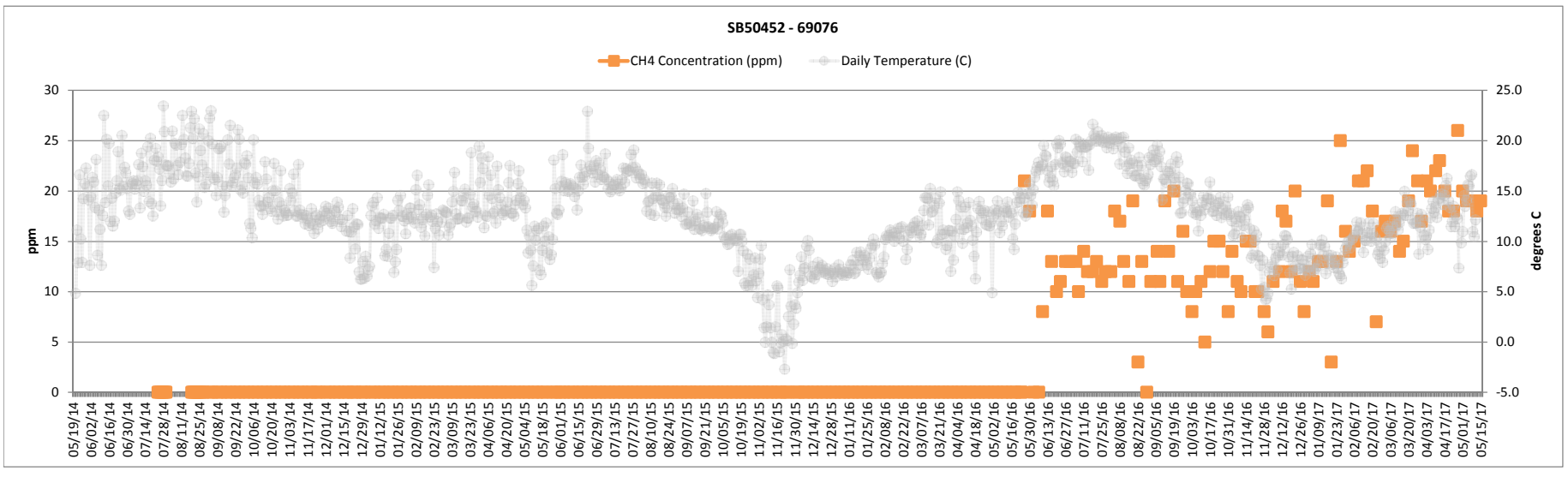
Remediated Nitrate Salt Container Headspace Gas and Temperature











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: 4-17-17/1321	Tuesday 6.[2] Date & Start Time: 04-18-17/1325	Wednesday 6.[2] Date & Start Time: 04-19-17/1315	Thursday 6.[2] Date & Start Time: 04-20-17/1336	Friday 6.[2]Date & Start Time: 04-21-17/1301	Saturday 6.[2] Date & Start Time: 04-22-17/1300	Sunday 6.[2] Date & Start Time: 04-23-17/1301
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: 61.2 °F	Cell 1: 60.2 °F	Cell 1: 60.7 °F	Cell 1: 56.5 °F	Cell 1: 59.4 °F	Cell 1: 54.5 °F	Cell 1: 55.6 °F
($) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[5])	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT
Ambient Temperature (6.[7])	Refrig.: 37.1 °F	Refrig.: 39.7 °F	Refrig.: 37.0 °F	Refrig.: 37.3 °F	Refrig.: 36.6 °F	Refrig.: 39.2 °F	Refrig.: 38.9 °F
($) Ambient Refrig. Temp.: > 32°F and ≤ 41°F; SR 4.6.2.1, SAC 5.7.24 (6.[7])	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT
Container ID #	Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)						
68685	① ② ③ ® N/A 34.1	① ② ③ ® N/A 39.9	① ② ③ ® N/A 43.1	① ② ③ ® N/A 35.4	① ② ③ ® N/A 36.9	① ② ③ ® N/A 37.2	① ② ③ ® N/A 36.3
68540	① ② ③ ® N/A 34.9	① ② ③ ® N/A 37.8	① ② ③ ® N/A 42.6	① ② ③ ® N/A 37.0	① ② ③ ® N/A 36.7	① ② ③ ® N/A 34.6	① ② ③ ® N/A 35.8
68553	① ② ③ ® N/A 36.7	① ② ③ ® N/A 38.5	① ② ③ ® N/A 42.0	① ② ③ ® N/A 36.8	① ② ③ ® N/A 35.7	① ② ③ ® N/A 34.6	① ② ③ ® N/A 36.9
69445	① ② ③ ® N/A 36.0	① ② ③ ® N/A 39.4	① ② ③ ® N/A 42.1	① ② ③ ® N/A 37.5	① ② ③ ® N/A 36.2	① ② ③ ® N/A 35.6	① ② ③ ® N/A 37.7

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INITIAL QA DATE 4-17-17

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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	35.3	① ② ③ ® N/A	39.5	① ② ③ ® N/A	42.7	① ② ③ ® N/A	37.8	① ② ③ ® N/A	37.0	① ② ③ ® N/A	36.5	① ② ③ ® N/A	36.2
69013	① ② ③ ® N/A	58.1	① ② ③ ® N/A	59.1	① ② ③ ® N/A	60.7	① ② ③ ® N/A	57.0	① ② ③ ® N/A	55.8	① ② ③ ® N/A	52.2	① ② ③ ® N/A	54.1
69490	① ② ③ ® N/A	57.0	① ② ③ ® N/A	59.5	① ② ③ ® N/A	59.8	① ② ③ ® N/A	56.8	① ② ③ ® N/A	56.1	① ② ③ ® N/A	52.4	① ② ③ ® N/A	54.0
69076	① ② ③ ® N/A	58.2	① ② ③ ® N/A	60.0	① ② ③ ® N/A	61.2	① ② ③ ® N/A	57.2	① ② ③ ® N/A	56.0	① ② ③ ® N/A	52.6	① ② ③ ® N/A	53.5
69280	① ② ③ ® N/A	35.9	① ② ③ ® N/A	~~59.8~~ 39.7 4-18-17 MZ	① ② ③ ® N/A	42.3	① ② ③ ® N/A	38.0	① ② ③ ® N/A	37.1	① ② ③ ® N/A	36.8	① ② ③ ® N/A	37.6
69208	① ② ③ ® N/A	34.7	① ② ③ ® N/A	~~60.5~~ 38.7 4-18-17 MZ	① ② ③ ® N/A	42.7	① ② ③ ® N/A	38.0	① ② ③ ® N/A	37.6	① ② ③ ® N/A	36.5	① ② ③ ® N/A	37.4
69079	① ② ③ ® N/A	34.4	① ② ③ ® N/A	40.4	① ② ③ ® N/A	42.9	① ② ③ ® N/A	39.3	① ② ③ ® N/A	37.8	① ② ③ ® N/A	38.0	① ② ③ ® N/A	36.8
69636	① ② ③ ® N/A	56.2	① ② ③ ® N/A	60.1	① ② ③ ® N/A	61.1	① ② ③ ® N/A	57.7	① ② ③ ® N/A	56.8	① ② ③ ® N/A	52.2	① ② ③ ® N/A	55.0
69616	① ② ③ ® N/A	57.0	① ② ③ ® N/A	59.7	① ② ③ ® N/A	60.8	① ② ③ ® N/A	56.1	① ② ③ ® N/A	56.0	① ② ③ ® N/A	51.9	① ② ③ ® N/A	54.0
69417	N/A		N/A		N/A		N/A		N/A		N/A		N/A	
69620	① ② ③ ® N/A	57.1	① ② ③ ® N/A	60.9	① ② ③ ® N/A	61.2	① ② ③ ® N/A	57.4	① ② ③ ® N/A	57.1	① ② ③ ® N/A	54.1	① ② ③ ® N/A	55.1
69520	① ② ③ ® N/A	56.4	① ② ③ ® N/A	57.2	① ② ③ ® N/A	59.9	① ② ③ ® N/A	56.5	① ② ③ ® N/A	55.9	① ② ③ ® N/A	52.6	① ② ③ ® N/A	54.3
69641	① ② ③ ® N/A	56.1	① ② ③ ® N/A	58.6	① ② ③ ® N/A	60.5	① ② ③ ® N/A	56.8	① ② ③ ® N/A	56.7	① ② ③ ® N/A	53.1	① ② ③ ® N/A	54.4
69298	① ② ③ ® N/A	58.2	① ② ③ ® N/A	58.6	① ② ③ ® N/A	59.9	① ② ③ ® N/A	56.4	① ② ③ ® N/A	55.9	① ② ③ ® N/A	52.9	① ② ③ ® N/A	54.0
92669	① ② ③ ® N/A	34.1	① ② ③ ® N/A	39.2	① ② ③ ® N/A	42.0	① ② ③ ® N/A	39.1	① ② ③ ® N/A	36.5	① ② ③ ® N/A	36.2	① ② ③ ® N/A	37.1
End Time (6.[16])	1329		1330		1321		1346		1306		1305		1305	
Initial (6.[16])	WO: MZ WO: DA		WO: MZ WO: VM		WO: MZ WO: DA		WO: VM WO: FA		WO: FA WO: MZ		WO: FA WO: MZ		WO: FA WO: MZ	

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Comments:

No Comments

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
MATTHEW ZOCCO		311676	04-17-17
Tina Aguirre		174977	04-17-17
MATTHEW ZOCCO		311676	04-18-17
Valerie Martinez		239958	04/18/17
MATTHEW ZOCCO		311676	04-19-17
Tina Aguirre		174977	04-19-17
Leon Montoya		191526	04-20-17
Fabian Anaya		174963	04-20-17
Fabian Anaya		174963	04-21-17
MATTHEW ZOCCO		311676	04-21-17
Fabian Anaya		174963	04-22-17
MATTHEW ZOCCO		311676	04-22-17
MATTHEW ZOCCO		311676	04-23-17
Fabian Anaya		174963	04-23-17

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: 4-17-17/1331	Tuesday 6.[2] Date & Start Time: 04-18-17/1331	Wednesday 6.[2] Date & Start Time: 04-19-17/1322	Thursday 6.[2] Date & Start Time: 04-20-17/1347	Friday 6.[2] Date & Start Time: 04-21-17/1307	Saturday 6.[2] Date & Start Time: 04-22-17/1306	Sunday 6.[2] Date & Start Time: 04-23-17/1306
TA-54-0375 Cell 2							
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 2: 59.1 °F	Cell 2: 62.3 °F	Cell 2: 62.8 °F	Cell 2: 57.3 °F	Cell 2: 57.0 °F	Cell 2: 53.5 °F	Cell 2: 54.8 °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	60.3	① ② ③ ® N/A	4-18-17 MZ 60.2 40.6	① ② ③ ® N/A	61.5	① ② ③ ® N/A	59.1	① ② ③ ® N/A	58.9	① ② ③ ® N/A	54.4	① ② ③ ® N/A	54.9
68638	① ② ③ ® N/A	35.6	① ② ③ ® N/A	40.6	① ② ③ ® N/A	42.9	① ② ③ ® N/A	39.1	① ② ③ ® N/A	38.5	① ② ③ ® N/A	37.0	① ② ③ ® N/A	38.4
69615	① ② ③ ® N/A	58.7	① ② ③ ® N/A	60.5	① ② ③ ® N/A	61.8	① ② ③ ® N/A	57.0	① ② ③ ® N/A	56.9	① ② ③ ® N/A	53.1	① ② ③ ® N/A	54.5
69635	① ② ③ ® N/A	60.1	① ② ③ ® N/A	59.8	① ② ③ ® N/A	61.2	① ② ③ ® N/A	57.4	① ② ③ ® N/A	57.0	① ② ③ ® N/A	53.8	① ② ③ ® N/A	55.1
69642	① ② ③ ® N/A	57.8	① ② ③ ® N/A	60.1	① ② ③ ® N/A	61.8	① ② ③ ® N/A	56.2	① ② ③ ® N/A	56.6	① ② ③ ® N/A	53.2	① ② ③ ® N/A	54.6
69630	① ② ③ ® N/A	57.5	① ② ③ ® N/A	59.0	① ② ③ ® N/A	61.3	① ② ③ ® N/A	57.9	① ② ③ ® N/A	57.9	① ② ③ ® N/A	53.8	① ② ③ ® N/A	55.6
69633	① ② ③ ® N/A	57.2	① ② ③ ® N/A	60.0	① ② ③ ® N/A	60.8	① ② ③ ® N/A	57.5	① ② ③ ® N/A	57.1	① ② ③ ® N/A	53.7	① ② ③ ® N/A	54.7
68430	① ② ③ ® N/A	58.7	① ② ③ ® N/A	58.8	① ② ③ ® N/A	59.4	① ② ③ ® N/A	57.5	① ② ③ ® N/A	56.8	① ② ③ ® N/A	53.5	① ② ③ ® N/A	54.6
68631	① ② ③ ® N/A	57.9	① ② ③ ® N/A	59.4	① ② ③ ® N/A	62.8	① ② ③ ® N/A	57.0	① ② ③ ® N/A	56.7	① ② ③ ® N/A	53.2	① ② ③ ® N/A	54.8
69634	① ② ③ ® N/A	58.5	① ② ③ ® N/A	61.6	① ② ③ ® N/A	59.6	① ② ③ ® N/A	57.8	① ② ③ ® N/A	57.3	① ② ③ ® N/A	54.1	① ② ③ ® N/A	55.4

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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 2 (continued)														
Container ID #	**Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)**													
68567	① ✓ ③ ® N/A	57.5	① ✓ ③ ® N/A	59.9	① ✓ ③ ® N/A	61.4	① ✓ ③ ® N/A	56.9	① ✓ ③ ® N/A	57.7	① ✓ ③ ® N/A	53.9	① ✓ ③ ® N/A	54.8
94227	① ✓ ③ ® N/A	57.5	① ✓ ③ ® N/A	59.8	① ✓ ③ ® N/A	59.5	① ✓ ③ ® N/A	57.7	① ✓ ③ ® N/A	57.9	① ✓ ③ ® N/A	53.3	① ✓ ③ ® N/A	55.8
68648	① ✓ ③ ® N/A	58.8	① ✓ ③ ® N/A	58.2	① ✓ ③ ® N/A	60.1	① ✓ ③ ® N/A	56.7	① ✓ ③ ® N/A	56.6	① ✓ ③ ® N/A	53.4	① ✓ ③ ® N/A	55.4
69644	① ✓ ③ ® N/A	59.4	① ✓ ③ ® N/A	59.3	① ✓ ③ ® N/A	59.7	① ✓ ③ ® N/A	57.6	① ✓ ③ ® N/A	57.0	① ✓ ③ ® N/A	53.7	① ✓ ③ ® N/A	55.0
69183	① ✓ ③ ® N/A	58.4	① ✓ ③ ® N/A	59.2	① ✓ ③ ® N/A	60.1	① ✓ ③ ® N/A	57.4	① ✓ ③ ® N/A	56.9	① ✓ ③ ® N/A	54.0	① ✓ ③ ® N/A	55.3
69638	① ✓ ③ ® N/A	58.0	① ✓ ③ ® N/A	60.1	① ✓ ③ ® N/A	60.1	① ✓ ③ ® N/A	57.6	① ✓ ③ ® N/A	56.9	① ✓ ③ ® N/A	53.6	① ✓ ③ ® N/A	54.5
68624	① ✓ ③ ® N/A	58.4	① ✓ ③ ® N/A	59.0	① ✓ ③ ® N/A	60.5	① ✓ ③ ® N/A	57.2	① ✓ ③ ® N/A	57.3	① ✓ ③ ® N/A	54.3	① ✓ ③ ® N/A	54.7
68507	① ✓ ③ ® N/A	57.8	① ✓ ③ ® N/A	59.1	① ✓ ③ ® N/A	59.8	① ✓ ③ ® N/A	57.2	① ✓ ③ ® N/A	56.8	① ✓ ③ ® N/A	53.7	① ✓ ③ ® N/A	54.2
69568	① ✓ ③ ® N/A	60.5	① ✓ ③ ® N/A	59.1	① ✓ ③ ® N/A	60.6	① ✓ ③ ® N/A	56.7	① ✓ ③ ® N/A	56.7	① ✓ ③ ® N/A	53.4	① ✓ ③ ® N/A	54.6
69553	① ✓ ③ ® N/A	58.1	① ✓ ③ ® N/A	59.5	① ✓ ③ ® N/A	60.8	① ✓ ③ ® N/A	58.0	① ✓ ③ ® N/A	57.4	① ✓ ③ ® N/A	53.5	① ✓ ③ ® N/A	54.7
69598	① ✓ ③ ® N/A	58.0	① ✓ ③ ® N/A	60.5	① ✓ ③ ® N/A	60.5	① ✓ ③ ® N/A	57.3	① ✓ ③ ® N/A	57.1	① ✓ ③ ® N/A	54.1	① ✓ ③ ® N/A	55.4
92472	① ✓ ③ ® N/A	58.4	① ✓ ③ ® N/A	60.0	① ✓ ③ ® N/A	60.7	① ✓ ③ ® N/A	56.6	① ✓ ③ ® N/A	57.4	① ✓ ③ ® N/A	53.7	① ✓ ③ ® N/A	54.6
92459	① ✓ ③ ® N/A	58.4	① ✓ ③ ® N/A	60.4	① ✓ ③ ® N/A	61.0	① ✓ ③ ® N/A	57.0	① ✓ ③ ® N/A	57.3	① ✓ ③ ® N/A	54.1	① ✓ ③ ® N/A	55.1
69015	① ✓ ③ ® N/A	58.0	① ✓ ③ ® N/A	59.8	① ✓ ③ ® N/A	60.3	① ✓ ③ ® N/A	56.7	① ✓ ③ ® N/A	57.1	① ✓ ③ ® N/A	53.5	① ✓ ③ ® N/A	54.2
69639	① ✓ ③ ® N/A	58.4	① ✓ ③ ® N/A	59.6	① ✓ ③ ® N/A	60.9	① ✓ ③ ® N/A	56.7	① ✓ ③ ® N/A	57.1	① ✓ ③ ® N/A	54.6	① ✓ ③ ® N/A	54.9
69637	① ✓ ③ ® N/A	58.6	① ✓ ③ ® N/A	59.9	① ✓ ③ ® N/A	60.1	① ✓ ③ ® N/A	57.4	① ✓ ③ ® N/A	57.9	① ✓ ③ ® N/A	54.0	① ✓ ③ ® N/A	54.9
End Time (6.[16])	1338		1335		1326		1355		1319		1312		1311	
Initial (6.[16])	WO: MZ WO: QA		WO: MZ WO: YOM		WO: MZ WO: QA		WO: LM WO: FA		WO: FA WO: MZ		WO: FA WO: MZ		WO: FA WO: MZ	

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Comments:
No Comments

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
MATTHEW ZOCCO	Matthew Z	311676	04-17-17
Tina Aguirre	Tina Aguirre	174977	04-17-17
MATTHEW ZOCCO	Matthew Z	311676	04-18-17
Valerie Martinez	Valerie Martinez	239958	04/18/17
MATTHEW ZOCCO	Matthew Z	311676	04-19-17
Tina Aguirre	Tina Aguirre	174977	04-19-17
Leon Montoya	[illegible]	196526	04-20-17
Fabian Anaya	Fabian Anaya	174963	04-20-17
Fabian Anaya	Fabian Anaya	174963	04-21-17
MATTHEW ZOCCO	Matthew Z	311676	04-21-17
Fabian Anaya	Fabian Anaya	174963	04-22-17
MATTHEW ZOCCO	Matthew Z	311676	04-22-17
MATTHEW ZOCCO	Matthew Z	311676	04-23-17
Fabian Anaya	Fabian Anaya	174963	04-23-17

10.1[2] Reviewed by:

SOM (print)	Signature	Z#	Date

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

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

	Monday 6.[2] Date & Start Time: 4-17-17/1339	Tuesday 6.[2] Date & Start Time: 04-18-17/1336	Wednesday 6.[2] Date & Start Time: 04-19-17/1327	Thursday 6.[2] Date & Start Time: 04-20-17/1346	Friday 6.[2] Date & Start Time: 04-21-17/1320	Saturday 6.[2] Date & Start Time: 04-22-17/1313	Sunday 6.[2] Date & Start Time: 04-23-17/1312
TA-54-0375 Cell 3							
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 3: 57.8 °F	Cell 3: 59.5 °F	Cell 3: 59.6 °F	Cell 3: 56.3 °F	Cell 3: 57.1 °F	Cell 3: 54.0 °F	Cell 3: 55.0 °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	58.5	57.9	57.9	54.0	55.4	54.1	53.0
69645	① ② ③ ® N/A	54.4	56.5	56.7	52.5	53.3	51.7	51.5
94068	① ② ③ ® N/A	56.2	59.2	58.6	53.2	54.9	51.9	52.0
93605	① ② ③ ® N/A	56.5	57.4	57.9	53.6	54.2	51.7	51.7
69548	① ② ③ ® N/A	58.9	58.6	59.3	55.1	55.7	52.8	53.0

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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	55.9	① ② ✓ ® N/A	58.2	① ② ✓ ® N/A	60.0	① ② ✓ ® N/A	54.6	① ② ✓ ® N/A	55.3	① ② ✓ ® N/A	52.3	① ② ✓ ® N/A	52.9
68665	① ② ✓ ® N/A	59.4	① ② ✓ ® N/A	58.9	① ② ✓ ® N/A	59.1	① ② ✓ ® N/A	54.4	① ② ✓ ® N/A	56.1	① ② ✓ ® N/A	53.1	① ② ✓ ® N/A	53.7
69595	① ② ✓ ® N/A	56.6	① ② ✓ ® N/A	58.1	① ② ✓ ® N/A	59.0	① ② ✓ ® N/A	54.3	① ② ✓ ® N/A	55.0	① ② ✓ ® N/A	52.1	① ② ✓ ® N/A	53.0
69036	① ② ✓ ® N/A	56.8	① ② ✓ ® N/A	58.1	① ② ✓ ® N/A	59.3	① ② ✓ ® N/A	56.0	① ② ✓ ® N/A	56.8	① ② ✓ ® N/A	53.8	① ② ✓ ® N/A	54.1
69361	① ② ✓ ® N/A	57.8	① ② ✓ ® N/A	58.2	① ② ✓ ® N/A	59.0	① ② ✓ ® N/A	55.2	① ② ✓ ® N/A	55.9	① ② ✓ ® N/A	53.0	① ② ✓ ® N/A	54.2
69559	① ② ✓ ® N/A	57.3	① ② ✓ ® N/A	57.8	① ② ✓ ® N/A	59.0	① ② ✓ ® N/A	55.0	① ② ✓ ® N/A	56.5	① ② ✓ ® N/A	53.2	① ② ✓ ® N/A	53.8
69491	① ② ✓ ® N/A	57.5	① ② ✓ ® N/A	57.2	① ② ✓ ® N/A	58.8	① ② ✓ ® N/A	55.2	① ② ✓ ® N/A	55.6	① ② ✓ ® N/A	52.8	① ② ✓ ® N/A	53.2
87827	① ② ✓ ® N/A	58.8	① ② ✓ ® N/A	60.2	① ② ✓ ® N/A	60.9	① ② ✓ ® N/A	56.2	① ② ✓ ® N/A	57.0	① ② ✓ ® N/A	54.4	① ② ✓ ® N/A	54.7
87826	① ② ✓ ® N/A	58.8	① ② ✓ ® N/A	60.1	① ② ✓ ® N/A	59.4	① ② ✓ ® N/A	55.8	① ② ✓ ® N/A	56.7	① ② ✓ ® N/A	53.5	① ② ✓ ® N/A	54.3
87823	① ② ✓ ® N/A	58.3	① ② ✓ ® N/A	61.2	① ② ✓ ® N/A	59.5	① ② ✓ ® N/A	56.2	① ② ✓ ® N/A	58.5	① ② ✓ ® N/A	55.0	① ② ✓ ® N/A	55.6
87825	① ② ✓ ® N/A	60.1	① ② ✓ ® N/A	60.9	① ② ✓ ® N/A	61.3	① ② ✓ ® N/A	58.6	① ② ✓ ® N/A	60.2	① ② ✓ ® N/A	56.1	① ② ✓ ® N/A	57.4
End Time (6.[16])	1342		1339		1331		1405		1324		1321		1319	
Initial (6.[16])	WO: MZ WO: [illegible]		WO: MZ WO: [illegible]		WO: MZ WO: [illegible]		WO: [illegible] WO: FA		WO: FA WO: MZ		WO: FA WO: MZ		WO: FA WO: MZ	

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Comments:
No Comments

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
MATTHEW ZOCCO	Matthew Z	311676	04-17-17
Tina Aguirre	Tina Aguirre	174977	04-17-17
MATTHEW ZOCCO	Matthew Z	311676	04-18-17
Valerie Martinez	Valerie Martinez	239958	04/18/17
MATTHEW ZOCCO	Matthew Z	311676	04-19-17
Tina Aguirre	Tina Aguirre	174977	04-19-17
Leon Montoya		191526	04-20-17
Fabian Anaya	Fabian Anaya	174963	04-20-17
Fabian Anaya	Fabian Anaya	174963	04-21-17
MATTHEW ZOCCO	Matthew Z	311676	04-21-17
Fabian Anaya	Fabian Anaya	174963	04-22-17
MATTHEW ZOCCO	Matthew Z	311676	04-22-17
MATTHEW ZOCCO	Matthew Z	311676	04-23-17
Fabian Anaya	Fabian Anaya	174963	04-23-17

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: 04-24-17/1309	Tuesday 6.[2] Date & Start Time: 04-25-17/1315	Wednesday 6.[2] Date & Start Time: 04-26-17/1305	Thursday 6.[2] Date & Start Time: 04-27-17/1434	Friday 6.[2]Date & Start Time: 04-28-17/1300	Saturday 6.[2] Date & Start Time:	Sunday 6.[2] Date & Start Time: 04-30-17/1300
TA-54-0375 Cell 1							
Calibrated infrared thermometer (6.[3])	Brand: Fluke Model: 561 Cal. Due Date: 6-20-17 File Number 191571	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 191571	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 191571	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 191571	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 191571	Brand: Model: Cal. Due Date: File Number	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 191571
Ambient Temperature (6.[4])	Cell 1: 58.5 °F	Cell 1: 52.5 °F	Cell 1: 55.9 °F	Cell 1: 52.1 °F	Cell 1: 43.4 °F	Cell 1: °F	Cell 1: 50.3 °F
($) Temperature ≤ 75°F SR 4.ESS 5.1 (6.[5])	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☐ SAT ☐ UNSAT	☑ SAT ☐ UNSAT
Ambient Temperature (6.[7])	Refrig.: 37.0 °F	Refrig.: 37.8 °F	Refrig.: 36.8 °F	Refrig.: 37.8 °F	Refrig.: 35.6 °F	Refrig.: °F	Refrig.: 35.7 °F
($) 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	36.7	① ② ③ ● N/A	34.8	① ② ③ ● N/A	36.4	① ② ③ ● N/A	38.2	① ② ③ ● N/A	35.0	① ② ③ ® N/A		① ② ③ ● N/A	35.5
68540	① ② ③ ● N/A	34.8	① ② ③ ● N/A	34.3	① ② ③ ● N/A	35.4	① ② ③ ● N/A	35.9	① ② ③ ● N/A	34.0	① ② ③ ® N/A		① ② ③ ● N/A	34.4
68553	① ② ③ ● N/A	34.7	① ② ③ ● N/A	34.6	① ② ③ ● N/A	35.1	① ② ③ ● N/A	35.7	① ② ③ ● N/A	34.1	① ② ③ ® N/A		① ② ③ ● N/A	34.6
69445	① ② ③ ● N/A	36.1	① ② ③ ● N/A	35.2	① ② ③ ● N/A	36.8	① ② ③ ● N/A	37.4	① ② ③ ● N/A	35.3	① ② ③ ® N/A		① ② ③ ● N/A	35.2

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	34.4	① ② ③ ● N/A	36.1	① ② ③ ● N/A	36.4	① ② ③ ● N/A	36.8	① ② ③ ● N/A	35.1	① ② ③ ® N/A		① ② ③ ● N/A	35.0
69013	✓ ② ③ ® N/A	56.2 35.[illegible]	✓ ② ③ ® N/A	53.1	✓ ② ③ ® N/A	54.4	✓ ② ③ ® N/A	54.9	✓ ② ③ ® N/A	45.1	① ② ③ ® N/A		✓ ② ③ ® N/A	49.5
69490	✓ ② ③ ® N/A	56.6	✓ ② ③ ® N/A	53.0	✓ ② ③ ® N/A	54.8	✓ ② ③ ® N/A	54.3	✓ ② ③ ® N/A	45.1	① ② ③ ® N/A		✓ ② ③ ® N/A	49.4
69076	✓ ② ③ ® N/A	56.2	✓ ② ③ ® N/A	52.6	✓ ② ③ ® N/A	54.5	✓ ② ③ ® N/A	54.0	✓ ② ③ ® N/A	45.2	① ② ③ ® N/A		✓ ② ③ ® N/A	49.7
69280	① ② ③ ● N/A	35.0	① ② ③ ● N/A	35.3	① ② ③ ● N/A	36.9	① ② ③ ● N/A	37.0	① ② ③ ● N/A	34.8	① ② ③ ® N/A		① ② ③ ● N/A	35.1
69208	① ② ③ ● N/A	35.9	① ② ③ ● N/A	35.6	① ② ③ ● N/A	37.5	① ② ③ ● N/A	37.2	① ② ③ ● N/A	35.2	① ② ③ ® N/A		① ② ③ ● N/A	35.3
69079	① ② ③ ● N/A	35.9	① ② ③ ● N/A	36.3	① ② ③ ● N/A	39.3	① ② ③ ● N/A	37.7	① ② ③ ● N/A	35.9	① ② ③ ® N/A		① ② ③ ● N/A	35.6
69636	✓ ② ③ ® N/A	56.2	✓ ② ③ ® N/A	53.2	✓ ② ③ ® N/A	54.8	✓ ② ③ ® N/A	54.3	✓ ② ③ ® N/A	45.1	① ② ③ ® N/A		✓ ② ③ ® N/A	50.2
69616	✓ ② ③ ® N/A	56.4	✓ ② ③ ® N/A	52.9	✓ ② ③ ® N/A	54.7	✓ ② ③ ® N/A	54.7	✓ ② ③ ® N/A	46.4	① ② ③ ® N/A		✓ ② ③ ® N/A	49.9
69417	N/A		N/A		N/A		N/A		N/A		N/A		N/A	
69620	✓ ② ③ ® N/A	56.1	✓ ② ③ ® N/A	53.2	✓ ② ③ ® N/A	55.0	✓ ② ③ ® N/A	54.3	✓ ② ③ ® N/A	45.6	① ② ③ ® N/A		✓ ② ③ ® N/A	49.6
69520	✓ ② ③ ® N/A	56.0	✓ ② ③ ® N/A	53.5	✓ ② ③ ® N/A	54.8	✓ ② ③ ® N/A	54.1	✓ ② ③ ® N/A	45.7	① ② ③ ® N/A		✓ ② ③ ® N/A	49.8
69641	✓ ② ③ ® N/A	56.1	✓ ② ③ ® N/A	53.4	✓ ② ③ ® N/A	54.9	✓ ② ③ ® N/A	54.8	✓ ② ③ ® N/A	45.6	① ② ③ ® N/A		✓ ② ③ ® N/A	50.2
69298	✓ ② ③ ® N/A	56.3	✓ ② ③ ® N/A	53.1	✓ ② ③ ® N/A	54.6	✓ ② ③ ® N/A	54.5	✓ ② ③ ® N/A	47.1	① ② ③ ® N/A		✓ ② ③ ® N/A	50.2
92669	① ② ③ ● N/A	35.5	① ② ③ ● N/A	35.8	① ② ③ ● N/A	37.5	① ② ③ ● N/A	37.5	① ② ③ ● N/A	35.1	① ② ③ ® N/A		① ② ③ ● N/A	35.1
End Time (6.[16])	1315 ~~04-24-17~~		1322		1311		1440		1304				1305	
Initial (6.[16])	WO: LM WO: DA		WO: LM WO: VOM		WO: LM WO: DA		WO: LM WO: DA		WO: LM WO: EP		WO: WO:		WO: LM WO: EP	

ATTACHMENT 2
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Comments:
Daily Temperature's were Not performed due to inclement weather per (John guy.)

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
Leon montoya		191526	04-24-17
Tina Aguirre		174977	04-24-17
Leon montoya		191526	04-25-17
Valerie Martinez		239958	04-25-17
Leon montoya		191526	04-26-17
Tina Aguirre		174977	04-26-17
Leon montoya		191526	04-26-17
Tina Aguirre		174977	04-27-17
Leon montoya		191526	04-28-17
Edward Pacheco		100497	04-28-17
Leon montoya		191526	04-30-17
Edward Pacheco		100497	04-30-17

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: 04-24-17/1315	Tuesday 6.[2] Date & Start Time: 04-25-17/1322	Wednesday 6.[2] Date & Start Time: 04-26-17/1312	Thursday 6.[2] Date & Start Time: 04-27-17/1440	Friday 6.[2] Date & Start Time: 04-28-17/1305	Saturday 6.[2] Date & Start Time:	Sunday 6.[2] Date & Start Time: 04-30-17/1306
TA-54-0375 Cell 2							
Calibrated infrared thermometer (6.[3])	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 109571	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 109571	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 109571	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 109571	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 109571	Brand: Model: Cal. Due Date: File Number	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 109571
Ambient Temperature (6.[4])	Cell 2: 58.2 °F	Cell 2: 53.9 °F	Cell 2: 55.5 °F	Cell 2: 56.2 °F	Cell 2: 44.7 °F	Cell 2: °F	Cell 2: 49.9 °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 ② ③ ® N/A	58.2	① ② ③ ® N/A	53.7	① ② ③ ® N/A	55.2	① ② ③ ® N/A	56.9	① ② ③ ® N/A	45.2	① ② ③ ® N/A		① ② ③ ® N/A	49.2
68638	① ② ③ ● N/A	36.1	① ② ③ ● N/A	36.6	① ② ③ ● N/A	39.2	① ② ③ ● N/A	37.8	① ② ③ ● N/A	36.3	① ② ③ ® N/A		① ② ③ ● N/A	36.0
69615	① ② ③ ® N/A	57.2	① ② ③ ® N/A	53.6	① ② ③ ® N/A	54.9	① ② ③ ® N/A	55.3	① ② ③ ® N/A	45.4	① ② ③ ® N/A		① ② ③ ® N/A	49.4
69635	① ② ③ ® N/A	56.5	① ② ③ ® N/A	54.8	① ② ③ ® N/A	55.4	① ② ③ ® N/A	55.5	① ② ③ ® N/A	45.8	① ② ③ ® N/A		① ② ③ ® N/A	49.7
69642	① ② ③ ® N/A	57.0	① ② ③ ® N/A	53.4	① ② ③ ® N/A	54.8	① ② ③ ® N/A	55.5	① ② ③ ® N/A	45.9	① ② ③ ® N/A		① ② ③ ® N/A	49.8
69630	① ② ③ ® N/A	56.9	① ② ③ ® N/A	53.7	① ② ③ ® N/A	55.0	① ② ③ ® N/A	55.5	① ② ③ ® N/A	46.0	① ② ③ ® N/A		① ② ③ ® N/A	49.9
69633	① ② ③ ® N/A	57.3	① ② ③ ® N/A	54.1	① ② ③ ® N/A	54.8	① ② ③ ® N/A	55.8	① ② ③ ® N/A	46.2	① ② ③ ® N/A		① ② ③ ® N/A	49.5
68430	① ② ③ ® N/A	56.6	① ② ③ ® N/A	53.7	① ② ③ ® N/A	54.6	① ② ③ ® N/A	55.5	① ② ③ ® N/A	46.2	① ② ③ ® N/A		① ② ③ ® N/A	49.3
68631	① ② ③ ® N/A	56.9	① ② ③ ® N/A	53.3	① ② ③ ® N/A	54.4	① ② ③ ® N/A	55.6	① ② ③ ® N/A	45.8	① ② ③ ® N/A		① ② ③ ® N/A	49.7
69634	① ② ③ ® N/A	57.6	① ② ③ ® N/A	53.8	① ② ③ ® N/A	54.8	① ② ③ ® N/A	56.4	① ② ③ ® N/A	45.8	① ② ③ ® N/A		① ② ③ ® N/A	49.3

ATTACHMENT 3
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	Monday 6.[2]		Tuesday 6.[2]		Wednesday 6.[2]		Thursday 6.[2]		Friday 6.[2]		Saturday 6.[2]		Sunday 6.[2]	
TA-54-0375 Cell 2 (continued)														
Container ID #	**Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)**													
68567	① ~~②~~ ③ ® N/A	57.3	① ~~②~~ ③ ® N/A	53.5	① ~~②~~ ③ ® N/A	54.6	① ~~②~~ ③ ® N/A	55.5	① ~~②~~ ③ ® N/A	45.5	① ② ③ ® N/A		① ~~②~~ ③ ® N/A	49.4
94227	① ~~②~~ ③ ® N/A	57.9	① ~~②~~ ③ ® N/A	55.2	① ~~②~~ ③ ® N/A	54.5	① ~~②~~ ③ ® N/A	55.4	① ~~②~~ ③ ® N/A	45.5	① ② ③ ® N/A		① ~~②~~ ③ ® N/A	49.5
68648	① ~~②~~ ③ ® N/A	56.8	① ~~②~~ ③ ® N/A	53.7	① ~~②~~ ③ ® N/A	54.6	① ~~②~~ ③ ® N/A	55.6	① ~~②~~ ③ ® N/A	45.8	① ② ③ ® N/A		① ~~②~~ ③ ® N/A	49.2
69644	① ~~②~~ ③ ® N/A	57.3	① ~~②~~ ③ ® N/A	54.1	① ~~②~~ ③ ® N/A	54.7	① ~~②~~ ③ ® N/A	55.7	① ~~②~~ ③ ® N/A	46.3	① ② ③ ® N/A		① ~~②~~ ③ ® N/A	49.4
69183	① ~~②~~ ③ ® N/A	56.9	① ~~②~~ ③ ® N/A	53.6	① ~~②~~ ③ ® N/A	54.4	① ~~②~~ ③ ® N/A	55.5	① ~~②~~ ③ ® N/A	46.4	① ② ③ ® N/A		① ~~②~~ ③ ® N/A	49.6
69638	① ~~②~~ ③ ® N/A	57.4	① ~~②~~ ③ ® N/A	53.4	① ~~②~~ ③ ® N/A	54.7	① ~~②~~ ③ ® N/A	55.5	① ~~②~~ ③ ® N/A	45.6	① ② ③ ® N/A		① ~~②~~ ③ ® N/A	49.5
68624	① ~~②~~ ③ ® N/A	57.5	① ~~②~~ ③ ® N/A	53.8	① ~~②~~ ③ ® N/A	54.8	① ~~②~~ ③ ® N/A	56.0	① ~~②~~ ③ ® N/A	45.6	① ② ③ ® N/A		① ~~②~~ ③ ® N/A	49.4
68507	① ~~②~~ ③ ® N/A	56.4	① ~~②~~ ③ ® N/A	54.1	① ~~②~~ ③ ® N/A	54.4	① ~~②~~ ③ ® N/A	54.7	① ~~②~~ ③ ® N/A	46.0	① ② ③ ® N/A		① ~~②~~ ③ ® N/A	49.1
69568	① ~~②~~ ③ ® N/A	56.8	① ~~②~~ ③ ® N/A	53.0	① ~~②~~ ③ ® N/A	54.2	① ~~②~~ ③ ® N/A	55.5	① ~~②~~ ③ ® N/A	45.6	① ② ③ ® N/A		① ~~②~~ ③ ® N/A	49.3
69553	① ~~②~~ ③ ® N/A	57.3	① ~~②~~ ③ ® N/A	53.4	① ~~②~~ ③ ® N/A	55.5	① ~~②~~ ③ ® N/A	56.0	① ~~②~~ ③ ® N/A	45.3	① ② ③ ® N/A		① ~~②~~ ③ ® N/A	48.9
69598	① ~~②~~ ③ ® N/A	57.5	① ~~②~~ ③ ® N/A	53.8	① ~~②~~ ③ ® N/A	54.6	① ~~②~~ ③ ® N/A	56.2	① ~~②~~ ③ ® N/A	45.5	① ② ③ ® N/A		① ~~②~~ ③ ® N/A	49.6
92472	① ~~②~~ ③ ® N/A	57.5	① ~~②~~ ③ ® N/A	53.3	① ~~②~~ ③ ® N/A	54.4	① ~~②~~ ③ ® N/A	55.6	① ~~②~~ ③ ® N/A	45.4	① ② ③ ® N/A		① ~~②~~ ③ ® N/A	49.4
92459	① ~~②~~ ③ ® N/A	57.7	① ~~②~~ ③ ® N/A	53.5	① ~~②~~ ③ ® N/A	54.5	① ~~②~~ ③ ® N/A	55.6	① ~~②~~ ③ ® N/A	45.4	① ② ③ ® N/A		① ~~②~~ ③ ® N/A	49.8
69015	① ~~②~~ ③ ® N/A	56.8	① ~~②~~ ③ ® N/A	53.4	① ~~②~~ ③ ® N/A	54.2	① ~~②~~ ③ ® N/A	55.1	① ~~②~~ ③ ® N/A	46.3	① ② ③ ® N/A		① ~~②~~ ③ ® N/A	49.6
69639	① ~~②~~ ③ ® N/A	57.6	① ~~②~~ ③ ® N/A	53.9	① ~~②~~ ③ ® N/A	54.8	① ~~②~~ ③ ® N/A	56.2	① ~~②~~ ③ ® N/A	46.3	① ② ③ ® N/A		① ~~②~~ ③ ® N/A	49.5
69637	① ~~②~~ ③ ® N/A	57.5	① ~~②~~ ③ ® N/A	53.5	① ~~②~~ ③ ® N/A	54.8	① ~~②~~ ③ ® N/A	56.4	① ~~②~~ ③ ® N/A	46.0	① ② ③ ® N/A		① ~~②~~ ③ ® N/A	49.5
End Time (6.[16])	1320		1327		1319		1445		1312				1312	
Initial (6.[16])	WO: VM WO: DA		WO: LM WO: VM		WO: LM WO: DA		WO: VM WO: DA		WO: LM WO: EP		WO: WO:		WO: LM WO: EP	

ATTACHMENT 3
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Comments:
Daily Temperature's were not performed due to inclement weather per (John guy)

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
Leon montoya		191526	04-24-17
Tina Aguirre		174977	04-24-17
Leon montoya		191526	04-25-17
Valerie Martinez		239958	04-25-17
Leon montoya		191526	04-26-17
Tina Aguirre		174977	04-26-17
Leon montoya		191526	04-27-17
Tina Aguirre		174977	04-27-17
Leon montoya		191526	04-28-17
Edward Pacheco		100497	04-28-17
Leon montoya		191526	04-30-17
Edward Pacheco		100497	04-30-17

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: 04-24-17/1320	Tuesday 6.[2] Date & Start Time: 04-25-17/1327	Wednesday 6.[2] Date & Start Time: 04-26-17/1320	Thursday 6.[2] Date & Start Time: 04-27-17/1445	Friday 6.[2] Date & Start Time: 04-28-17/1313	Saturday 6.[2] Date & Start Time:	Sunday 6.[2] Date & Start Time: 04-30-17/1313
TA-54-0375 Cell 3							
Calibrated infrared thermometer (6.[3])	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 109571	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 109571	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 109571	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 109571	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 109571	Brand: Model: Cal. Due Date: File Number	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 109571
Ambient Temperature (6.[4])	Cell 3: 56.6 °F	Cell 3: 52.1 °F	Cell 3: 53.8 °F	Cell 3: 54.6 °F	Cell 3: 44.2 °F	Cell 3: ____ °F	Cell 3: 49.6 °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 ③ ® N/A	55.2	① ② ③ ® N/A	51.6	① ② ③ ® N/A	52.5	① ② ③ ® N/A	53.1	① ② ③ ® N/A	45.1	① ② ③ ® N/A		① ② ③ ® N/A	48.9
69645	① ② ③ ® N/A	53.4	① ② ③ ® N/A	50.8	① ② ③ ® N/A	51.0	① ② ③ ® N/A	51.5	① ② ③ ® N/A	45.1	① ② ③ ® N/A		① ② ③ ® N/A	49.4
94068	① ② ③ ® N/A	53.8	① ② ③ ® N/A	50.6	① ② ③ ® N/A	51.4	① ② ③ ® N/A	52.8	① ② ③ ® N/A	46.1	① ② ③ ® N/A		① ② ③ ® N/A	49.2
93605	① ② ③ ® N/A	55.3	① ② ③ ® N/A	51.7	① ② ③ ® N/A	51.9	① ② ③ ® N/A	52.6	① ② ③ ® N/A	46.3	① ② ③ ® N/A		① ② ③ ® N/A	49.4
69548	① ② ③ ® N/A	55.8	① ② ③ ® N/A	52.0	① ② ③ ® N/A	52.9	① ② ③ ® N/A	54.0	① ② ③ ® N/A	45.3	① ② ③ ® N/A		① ② ③ ® N/A	49.6

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 55.8	① ② ③ ® N/A 51.9	① ② ③ ® N/A 52.6	① ② ③ ® N/A 54.2	① ② ③ ® N/A 46.3	① ② ③ ® N/A	① ② ③ ® N/A 49.4
68665	① ② ③ ® N/A 55.7	① ② ③ ® N/A 51.1	① ② ③ ® N/A 52.1	① ② ③ ® N/A 53.4	① ② ③ ® N/A 45.3	① ② ③ ® N/A	① ② ③ ® N/A 49.1
69595	① ② ③ ® N/A 55.7	① ② ③ ® N/A 51.6	① ② ③ ® N/A 52.5	① ② ③ ® N/A 53.2	① ② ③ ® N/A 45.2	① ② ③ ® N/A	① ② ③ ® N/A 48.8
69036	① ② ③ ® N/A 56.6	① ② ③ ® N/A 52.0	① ② ③ ® N/A 53.5	① ② ③ ® N/A 54.4	① ② ③ ® N/A 44.8	① ② ③ ® N/A	① ② ③ ® N/A 48.5
69361	① ② ③ ® N/A 56.0	① ② ③ ® N/A 52.0	① ② ③ ® N/A 53.2	① ② ③ ® N/A 54.4	① ② ③ ® N/A 46.4	① ② ③ ® N/A	① ② ③ ® N/A 49.0
69559	① ② ③ ® N/A 56.0	① ② ③ ® N/A 51.7	① ② ③ ® N/A 52.7	① ② ③ ® N/A 53.8	① ② ③ ® N/A 46.7	① ② ③ ® N/A	① ② ③ ® N/A 49.3
69491	① ② ③ ® N/A 55.7	① ② ③ ® N/A 52.2	① ② ③ ® N/A 53.1	① ② ③ ® N/A 54.6	① ② ③ ® N/A 46.2	① ② ③ ® N/A	① ② ③ ® N/A 49.3
87827	① ② ③ ® N/A 58.5	① ② ③ ® N/A 52.5	① ② ③ ® N/A 54.0	① ② ③ ® N/A 54.9	① ② ③ ® N/A 46.2	① ② ③ ® N/A	① ② ③ ® N/A 49.6
87826	① ② ③ ® N/A 57.2	① ② ③ ® N/A 52.4	① ② ③ ® N/A 54.1	① ② ③ ® N/A 55.0	① ② ③ ® N/A 45.9	① ② ③ ® N/A	① ② ③ ® N/A 49.5
87823	① ② ③ ® N/A 57.9	① ② ③ ® N/A 52.6	① ② ③ ® N/A 53.9	① ② ③ ® N/A 54.7	① ② ③ ® N/A 43.4	① ② ③ ® N/A	① ② ③ ® N/A 49.0
87825	① ② ③ ® N/A 51.3	① ② ③ ® N/A 53.2	① ② ③ ® N/A 56.9	① ② ③ ® N/A 58.1	① ② ③ ® N/A 44.5	① ② ③ ® N/A	① ② ③ ® N/A 49.2
End Time (6.[16])	1324	1330	1325	1449	1318		1319
Initial (6.[16])	WO: LM WO: DA	WO: LM WO: RM	WO: LM WO: DA	WO: LM WO: DA	WO: LM WO: EP	WO: WO:	WO: LM WO: EP

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Comments: Daily Temperature's were not performed due to inclement weather per (John guy.)

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
Leon Montoya		191526	04-24-17
Tina Aguirre		174977	04-24-17
Leon Montoya		191526	04-25-17
Valerie Martinez		239958	04-25-17
Leon Montoya		191526	04-26-17
Tina Aguirre		174977	04-26-17
Leon Montoya		191526	04-27-17
Tina Aguirre		174977	04-27-17
Leon Montoya		191526	04-28-17
Edward Pacheco		100497	04-28-17
Leon Montoya		191526	04-30-17
Edward Pacheco		100497	04-30-17

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: 05-01-17/1440	Tuesday 6.[2] Date & Start Time: 05-02-17/~~1545~~ 1445 (FX 05-02-17)	Wednesday 6.[2] Date & Start Time: 05-03-17/1323	Thursday 6.[2] Date & Start Time: 05-04-17/1445	Friday 6.[2] Date & Start Time: 05-05-17/1301	Saturday 6.[2] Date & Start Time: 05-06-17/1301	Sunday 6.[2] Date & Start Time: 05-07-17/1301
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: 53.2 °F	Cell 1: 61.7 °F	Cell 1: 57.0 °F	Cell 1: 60.9 °F	Cell 1: 62.1 °F	Cell 1: 62.9 °F	Cell 1: 60.8 °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.: 38.3 °F	Refrig.: 36.4 °F	Refrig.: 36.1 °F	Refrig.: 36.1 °F	Refrig.: 37.1 °F	Refrig.: 35.1 °F	Refrig.: 35.5 °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	35.5	① ② ③ ● N/A (05-02-17)	34.6	① ② ③ ● N/A	37.2	① ② ③ ✓ N/A	35.0	① ② ③ ● N/A	35.9	① ② ③ ● N/A	35.7	① ② ③ ● N/A	35.5
68540	① ② ③ ✓ N/A	36.5	① ② ③ ● N/A (05-02-17)	34.9	① ② ③ ● N/A	35.8	① ② ③ ✓ N/A	35.3	① ② ③ ● N/A	35.5	① ② ③ ● N/A	34.9	① ② ③ ● N/A	35.0
68553	① ② ③ ✓ N/A	35.2	① ② ③ ● N/A (05-02-17)	35.0	① ② ③ ● N/A	35.9	① ② ③ ✓ N/A	35.5	① ② ③ ● N/A	35.8	① ② ③ ● N/A	35.2	① ② ③ ● N/A	36.2
69445	① ② ③ ✓ N/A	37.3	① ② ③ ● N/A (05-02-17)	35.2	① ② ③ ● N/A	36.2	① ② ③ ✓ N/A	35.9	① ② ③ ● N/A	36.1	① ② ③ ● N/A	34.7	① ② ③ ● N/A	36.4

WORKING COPY
Z# 311676
INITIAL MZ DATE 05-01-17

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	36.9	① ② ③ ● N/A	36.0	① ② ③ ● N/A	36.2	① ② ③ ✓ N/A	36.0	① ② ③ ● N/A	34.9	① ② ③ ● N/A	35.8	① ② ③ ● N/A	36.8
69013	✓ ② ③ ® N/A	52.6	✓ ② ③ ® N/A	57.8	✓ ② ③ ® N/A	54.5	✓ ② ③ ® N/A	58.5	✓ ② ③ ® N/A	60.0	✓ ② ③ ® N/A	60.7	✓ ② ③ ® N/A	61.2
69490	✓ ② ③ ® N/A	51.7	✓ ② ③ ® N/A	57.6	✓ ② ③ ® N/A	54.9	✓ ② ③ ® N/A	57.9	✓ ② ③ ® N/A	61.2	✓ ② ③ ® N/A	59.9	✓ ② ③ ® N/A	61.0
69076	✓ ② ③ ® N/A	51.7	✓ ② ③ ® N/A	58.2	✓ ② ③ ® N/A	56.2	✓ ② ③ ® N/A	57.3	✓ ② ③ ® N/A	60.1	✓ ② ③ ® N/A	59.9	✓ ② ③ ® N/A	61.6
69280	① ② ③ ✓ N/A	35.5	① ② ③ ● N/A	34.2	① ② ③ ● N/A	36.6	① ② ③ ✓ N/A	35.5	① ② ③ ● N/A	35.2	① ② ③ ● N/A	35.2	① ② ③ ● N/A	36.1
69208	① ② ③ ✓ N/A	36.6	① ② ③ ● N/A	35.3	① ② ③ ● N/A	37.2	① ② ③ ✓ N/A	35.5	✓ ② ③ ● N/A	35.6	① ② ③ ● N/A	34.3	① ② ③ ● N/A	35.2
69079	① ② ③ ✓ N/A	35.9	① ② ③ ● N/A	34.9	① ② ③ ● N/A	37.7	① ② ③ ✓ N/A	35.1	✓ ② ③ ● N/A	35.8	① ② ③ ● N/A	34.6	① ② ③ ● N/A	35.9
69636	✓ ② ③ ® N/A	53.0	✓ ② ③ ® N/A	57.5	✓ ② ③ ® N/A	56.0	✓ ② ③ ® N/A	59.3	✓ ② ③ ® N/A	59.9	✓ ② ③ ® N/A	59.4	✓ ② ③ ® N/A	61.1
69616	✓ ② ③ ® N/A	52.0	✓ ② ③ ® N/A	57.4	✓ ② ③ ® N/A	55.9	✓ ② ③ ® N/A	59.3	✓ ② ③ ® N/A	59.2	✓ ② ③ ® N/A	60.3	✓ ② ③ ® N/A	60.7
69417	N/A		N/A		N/A		N/A		N/A		N/A		N/A	
69620	✓ ② ③ ® N/A	52.0	✓ ② ③ ® N/A	58.1	✓ ② ③ ® N/A	54.9	✓ ② ③ ® N/A	58.1	✓ ② ③ ® N/A	58.5	✓ ② ③ ® N/A	60.0	✓ ② ③ ® N/A	60.5
69520	✓ ② ③ ® N/A	52.0	✓ ② ③ ® N/A	57.3	✓ ② ③ ® N/A	55.6	✓ ② ③ ® N/A	57.9	✓ ② ③ ® N/A	58.1	✓ ② ③ ® N/A	60.9	✓ ② ③ ® N/A	61.4
69641	✓ ② ③ ® N/A	52.3	✓ ② ③ ® N/A	57.4	✓ ② ③ ® N/A	55.1	✓ ② ③ ® N/A	58.3	✓ ② ③ ® N/A	58.8	✓ ② ③ ® N/A	60.1	✓ ② ③ ® N/A	61.7
69298	✓ ② ③ ® N/A	52.1	✓ ② ③ ® N/A	57.4	✓ ② ③ ® N/A	54.9	✓ ② ③ ® N/A	57.8	✓ ② ③ ® N/A	58.4	✓ ② ③ ® N/A	60.3	✓ ② ③ ® N/A	60.8
92669	① ② ③ ✓ N/A	35.7	① ② ③ ● N/A	35.5	① ② ③ ● N/A	37.5	① ② ③ ✓ N/A	35.2	① ② ③ ● N/A	35.0	① ② ③ ● N/A	35.3	① ② ③ ● N/A	35.8
End Time (6.[16])	1447		FA 05-02-17 ~~1455~~ 1451		1326 1329		1452		1310		1307		1307	
Initial (6.[16])	WO: FA WO: MZ		WO: FA WO: QA		WO: FA WO: QA		WO: FA WO: MZ		WO: WO: FA		WO: WO: FA		WO: FA WO:	

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Comments:

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
MATTHEW ZOCCO	Matthew Zo	311676	05-01-17
Fabian Anaya	Fabian Anaya	174963	05-01-17
Fabian Anaya	Fabian Anaya	174963	05-02-17
Tina Aguirre	Tina Aguirre	174977	05-02-17
Fabian Anaya	Fabian Anaya	174963	05-03-17
Tina Aguirre	Tina Aguirre	174977	05-03-17
MATTHEW ZOCCO	Matthew Zo	311676	05-04-17
Fabian Anaya	Fabian Anaya	174963	05-04-17
Fabian Anaya	Fabian Anaya	174963	05-05-17
Juan Garcia	Juan Garcia	169840	05-05-17
Fabian Anaya	Fabian Anaya	174963	05-06-17 FA 05-06-17
Juan Garcia	Juan Garcia	169840	05-06-17
Fabian Anaya	Fabian Anaya	174963	05-07-17
Juan Garcia	Juan Garcia	169840	05-07-17

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: 05-01-17 / 1448	Tuesday 6.[2] Date & Start Time: 05-02-17 / 1452 ~~1553~~ 05-02-17	Wednesday 6.[2] Date & Start Time: 05-03-17 / 1329	Thursday 6.[2] Date & Start Time: 05-04-17 / 1453	Friday 6.[2] Date & Start Time: 05-05-17 / 1311	Saturday 6.[2] Date & Start Time: 05-06-17 / 1308	Sunday 6.[2] Date & Start Time: 05-07-17 / 1308
TA-54-0375 Cell 2							
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 2: 53.9 °F	Cell 2: 60.5 °F	Cell 2: 57.3 °F	Cell 2: 60.8 °F	Cell 2: 58.0 °F	Cell 2: 60.5 °F	Cell 2: 60.7 °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
Container ID #	Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)						
68408	① ② ③ ® N/A	54.8	① ② ③ ® N/A	58.5	① ② ③ ® N/A	56.2	① ② ③ ® N/A	60.9	① ② ③ ® N/A	59.7	① ② ③ ® N/A	61.7	① ② ③ ® N/A	63.9
68638	① ② ③ ® N/A	36.0	① ② ③ ® N/A	36.2	① ② ③ ® N/A	39.4	① ② ③ ® N/A	35.4	① ② ③ ® N/A	36.3	① ② ③ ® N/A	35.7	① ② ③ ® N/A	36.7
69615	① ② ③ ® N/A	53.2	① ② ③ ® N/A	58.3	① ② ③ ® N/A	55.9	① ② ③ ® N/A	58.9	① ② ③ ® N/A	58.0	① ② ③ ® N/A	59.8	① ② ③ ® N/A	61.0
69635	① ② ③ ® N/A	54.7	① ② ③ ® N/A	58.7	① ② ③ ® N/A	56.1	① ② ③ ® N/A	59.7	① ② ③ ® N/A	58.7	① ② ③ ® N/A	61.4	① ② ③ ® N/A	62.3
69642	① ② ③ ® N/A	52.9	① ② ③ ® N/A	58.3	① ② ③ ® N/A	55.7	① ② ③ ® N/A	59.0	① ② ③ ® N/A	57.1	① ② ③ ® N/A	60.3	① ② ③ ® N/A	61.4
69630	① ② ③ ® N/A	53.8	① ② ③ ® N/A	58.3	① ② ③ ® N/A	56.5	① ② ③ ® N/A	59.5	① ② ③ ® N/A	58.3	① ② ③ ® N/A	60.7	① ② ③ ® N/A	61.7
69633	① ② ③ ® N/A	53.3	① ② ③ ® N/A	58.0	① ② ③ ® N/A	56.3	① ② ③ ® N/A	58.3	① ② ③ ® N/A	58.5	① ② ③ ® N/A	60.7	① ② ③ ® N/A	61.5
68430	① ② ③ ® N/A	54.3	① ② ③ ® N/A	57.5	① ② ③ ® N/A	56.3	① ② ③ ® N/A	58.3	① ② ③ ® N/A	58.2	① ② ③ ® N/A	60.0	① ② ③ ® N/A	61.2
68631	① ② ③ ® N/A	53.3	① ② ③ ® N/A	57.9	① ② ③ ® N/A	56.1	① ② ③ ® N/A	58.7	① ② ③ ® N/A	58.5	① ② ③ ® N/A	61.1	① ② ③ ® N/A	61.3
69634	① ② ③ ® N/A	53.7	① ② ③ ® N/A	59.5	① ② ③ ® N/A	56.4	① ② ③ ® N/A	59.6	① ② ③ ® N/A	58.6	① ② ③ ® N/A	60.8	① ② ③ ® N/A	61.8

ATTACHMENT 3

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	Monday 6.[2]		Tuesday 6.[2]		Wednesday 6.[2]		Thursday 6.[2]		Friday 6.[2]		Saturday 6.[2]		Sunday 6.[2]	
TA-54-0375 Cell 2 (continued)														
Container ID #	Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)													
68567	① ② ③ ® N/A	55.4	① ② ③ ® N/A	57.8	① ② ③ ® N/A	57.0	① ② ③ ® N/A	59.2	① ② ③ ® N/A	60.7	① ② ③ ® N/A	60.7	① ② ③ ® N/A	62.1
94227	① ② ③ ® N/A	53.4	① ② ③ ® N/A	58.1	① ② ③ ® N/A	56.5	① ② ③ ® N/A	59.6	① ② ③ ® N/A	59.8	① ② ③ ® N/A	61.6	① ② ③ ® N/A	61.6
68648	① ② ③ ® N/A	53.8	① ② ③ ® N/A	58.3	① ② ③ ® N/A	56.3	① ② ③ ® N/A	59.1	① ② ③ ® N/A	58.6	① ② ③ ® N/A	59.6	① ② ③ ® N/A	61.1
69644	① ② ③ ® N/A	53.3	① ② ③ ® N/A	57.9	① ② ③ ® N/A	56.0	① ② ③ ® N/A	59.0	① ② ③ ® N/A	57.8	① ② ③ ® N/A	60.8	① ② ③ ® N/A	61.1
69183	① ② ③ ® N/A	FA 05-01-17 53. 53.6	① ② ③ ® N/A	58.5	① ② ③ ® N/A	56.0	① ② ③ ® N/A	58.9	① ② ③ ® N/A	59.0	① ② ③ ® N/A	60.3	① ② ③ ® N/A	62.1
69638	① ② ③ ® N/A	55.3	① ② ③ ® N/A	58.0	① ② ③ ® N/A	55.9	① ② ③ ® N/A	60.5	① ② ③ ® N/A	59.1	① ② ③ ® N/A	60.6	① ② ③ ® N/A	61.1
68624	① ② ③ ® N/A	53.6	① ② ③ ® N/A	58.5	① ② ③ ® N/A	56.7	① ② ③ ® N/A	59.5	① ② ③ ® N/A	58.7	① ② ③ ® N/A	60.6	① ② ③ ® N/A	61.3
68507	① ② ③ ® N/A	53.9	① ② ③ ® N/A	57.9	① ② ③ ® N/A	55.9	① ② ③ ® N/A	58.9	① ② ③ ® N/A	58.4	① ② ③ ® N/A	60.1	① ② ③ ® N/A	60.8
69568	① ② ③ ® N/A	53.6	① ② ③ ® N/A	58.7	① ② ③ ® N/A	56.1	① ② ③ ® N/A	59.0	① ② ③ ® N/A	58.6	① ② ③ ® N/A	60.5	① ② ③ ® N/A	61.9
69553	① ② ③ ® N/A	54.5	① ② ③ ® N/A	58.2	① ② ③ ® N/A	56.0	① ② ③ ® N/A	59.3	① ② ③ ® N/A	59.1	① ② ③ ® N/A	60.0	① ② ③ ® N/A	61.5
69598	① ② ③ ® N/A	53.9	① ② ③ ® N/A	58.3	① ② ③ ® N/A	57.1	① ② ③ ® N/A	59.0	① ② ③ ® N/A	60.1	① ② ③ ® N/A	61.4	① ② ③ ® N/A	61.8
92472	① ② ③ ® N/A	54.1	① ② ③ ® N/A	58.5	① ② ③ ® N/A	56.2	① ② ③ ® N/A	59.3	① ② ③ ® N/A	58.7	① ② ③ ® N/A	61.0	① ② ③ ® N/A	61.9
92459	① ② ③ ® N/A	54.2	① ② ③ ® N/A	58.6	① ② ③ ® N/A	56.0	① ② ③ ® N/A	59.6	① ② ③ ® N/A	58.8	① ② ③ ® N/A	61.3	① ② ③ ® N/A	61.5
69015	① ② ③ ® N/A	53.9	① ② ③ ® N/A	57.5	① ② ③ ® N/A	56.1	① ② ③ ® N/A	59.4	① ② ③ ® N/A	57.7	① ② ③ ® N/A	60.5	① ② ③ ® N/A	61.1
69639	① ② ③ ® N/A	54.0	① ② ③ ® N/A	58.4	① ② ③ ® N/A	56.2	① ② ③ ® N/A	59.6	① ② ③ ® N/A	59.0	① ② ③ ® N/A	60.8	① ② ③ ® N/A	61.1
69637	① ② ③ ® N/A	54.4	① ② ③ ® N/A	58.3	① ② ③ ® N/A	56.8	① ② ③ ® N/A	59.8	① ② ③ ® N/A	57.5	① ② ③ ® N/A	60.8	① ② ③ ® N/A	60.9
End Time (6.[16])	1455		FA 03-02-17 ~~1600~~ 1500		05-01-17 ~~1330~~ 1354		1503		1317		1314		1313	
Initial (6.[16])	WO: FA WO: MZ		WO: FA WO: [illegible]		WO: FA WO: [illegible]		WO: FA WO: MZ		WO: FA WO: [illegible]		WO: FA WO: [illegible]		WO: FA WO: [illegible]	

ATTACHMENT 3
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Comments:

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
MATTHEW ZOCCO		311676	05-01-17
Fabian Anaya		174963	05-01-17
Fabian Anaya		174963	05-02-17
Tina Aguirre		174977	05-02-17
Fabian Anaya		174963	05-03-17
Tina Aguirre		174977	05-03-17
MATTHEW ZOCCO		311676	05-04-17
Fabian Anaya		174963	05-04-17
Fabian Anaya		174963	05-05-17
Juan Garcia		169840	05-05-17
Fabian Anaya		174963	05-06-17
Juan Garcia		169840	05-06-17
Fabian Anaya		174963	05-07-17
Juan Garcia		169840	05-07-17

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:
	05-01-17/1456	05-02-17/~~1601~~ 1501 FH 05-02-17	05-03-17/~~1335~~ 1335 dk 5-3-17	05-04-17/1504	05-05-17/1318	05-06-17/~~1315~~ 1315 ~~FH 05-06-17~~	05-07-17/1314
TA-54-0375 Cell 3							
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 3: 53.9 °F	Cell 3: 57.9 °F	Cell 3: 55.5 °F	Cell 3: 58.7 °F	Cell 3: 60.0 °F	Cell 3: 60.4 °F	Cell 3: 61.5 °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	51.5	① ② ③ ® N/A	56.0	① ② ③ ® N/A	54.2	① ② ③ ® N/A	57.3	① ② ③ ® N/A	56.9	① ② ③ ® N/A	58.8	① ② ③ ® N/A	59.2
69645	① ② ③ ® N/A	50.5	① ② ③ ® N/A	54.4	① ② ③ ® N/A	52.3	① ② ③ ® N/A	55.1	① ② ③ ® N/A	55.5	① ② ③ ® N/A	56.5	① ② ③ ® N/A	57.4
94068	① ② ③ ® N/A	51.1	① ② ③ ® N/A	55.5	① ② ③ ® N/A	53.0	① ② ③ ® N/A	56.1	① ② ③ ® N/A	56.4	① ② ③ ® N/A	57.3	① ② ③ ® N/A	58.0
93605	① ② ③ ® N/A	51.2	① ② ③ ® N/A	55.6	① ② ③ ® N/A	53.5	① ② ③ ® N/A	56.8	① ② ③ ® N/A	57.7	① ② ③ ® N/A	58.2	① ② ③ ® N/A	59.0
69548	① ② ③ ® N/A	52.7	① ② ③ ® N/A	56.8	① ② ③ ® N/A	55.3	① ② ③ ® N/A	58.4	① ② ③ ® N/A	57.5	① ② ③ ® N/A	59.3	① ② ③ ® N/A	59.9

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	53.0	① ② ③ ® N/A	56.1	① ② ③ ® N/A	54.6	① ② ③ ® N/A	56.5	① ② ③ ® N/A	58.0	① ② ③ ® N/A	59.3	① ② ③ ® N/A	58.3
68665	① ② ③ ® N/A	51.6	① ② ③ ® N/A	56.6	① ② ③ ® N/A	54.2	① ② ③ ® N/A	57.4	① ② ③ ® N/A	57.3	① ② ③ ® N/A	58.1	① ② ③ ® N/A	59.5
69595	① ② ③ ® N/A	52.3	① ② ③ ® N/A	56.3	① ② ③ ® N/A	54.2	① ② ③ ® N/A	57.7	① ② ③ ® N/A	57.5	① ② ③ ® N/A	59.3	① ② ③ ® N/A	59.1
69036	① ② ③ ® N/A	52.4	① ② ③ ® N/A	57.7	① ② ③ ® N/A	54.7	① ② ③ ® N/A	57.8	① ② ③ ® N/A	57.1	① ② ③ ® N/A	59.4	① ② ③ ® N/A	60.6
69361	① ② ③ ® N/A	53.3	① ② ③ ® N/A	56.7	① ② ③ ® N/A	55.6	① ② ③ ® N/A	58.0	① ② ③ ® N/A	57.9	① ② ③ ® N/A	59.9	① ② ③ ® N/A	59.9
69559	① ② ③ ® N/A	52.7	① ② ③ ® N/A	56.8	① ② ③ ® N/A	54.9	① ② ③ ® N/A	57.8	① ② ③ ® N/A	57.7	① ② ③ ® N/A	59.1	① ② ③ ® N/A	60.7
69491	① ② ③ ® N/A	53.2	① ② ③ ® N/A	55.7	① ② ③ ® N/A	55.2	① ② ③ ® N/A	58.2	① ② ③ ® N/A	59.1	① ② ③ ® N/A	59.6	① ② ③ ® N/A	60.2
87827	① ② ③ ® N/A	53.2	① ② ③ ® N/A	59.1	① ② ③ ® N/A	55.8	① ② ③ ® N/A	59.4	① ② ③ ® N/A	59.9	① ② ③ ® N/A	61.5	① ② ③ ® N/A	62.2
87826	① ② ③ ® N/A	55.5	① ② ③ ® N/A	58.0	① ② ③ ® N/A	57.4	① ② ③ ® N/A	58.9	① ② ③ ® N/A	59.8	① ② ③ ® N/A	61.3	① ② ③ ® N/A	61.6
87823	① ② ③ ® N/A	53.7	① ② ③ ® N/A	58.1	① ② ③ ® N/A	56.3	① ② ③ ® N/A	59.1	① ② ③ ® N/A	58.4	① ② ③ ® N/A	60.8	① ② ③ ® N/A	62.7
87825	① ② ③ ® N/A	56.1	① ② ③ ® N/A	60.9	① ② ③ ® N/A	60.4	① ② ③ ® N/A	61.7	① ② ③ ® N/A	61.9	① ② ③ ® N/A	62.5	① ② ③ ® N/A	62.4
End Time (6.[16])	1503		FR 0502-17 ~~1610~~ 1510		OA 5-3-17 ~~1336~~ 1339		1511		1321		1318		1318	
Initial (6.[16])	WO: FA WO: MZ		WO: FA WO: [signature]		WO: FA WO: [signature]		WO: FA WO: MZ		WO: FA WO: [signature]		WO: FA WO: [signature]		WO: FA WO: [signature]	

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Comments:

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
MATTHEW ZOCCO	Matthew Z	311676	05-01-17
Fabian Anaya	Fabian Anaya	174963	05-01-17
Fabian Anaya	Fabian Anaya	174963	05-02-17
Tina Aguirre	Tina Aguirre	174977	05-02-17
Fabian Anaya	Fabian Anaya	174963	05-03-17
Tina Aguirre	Tina Aguirre	174977	05-03-17
MATTHEW ZOCCO	Matthew Z	311676	05-04-17
Fabian Anaya	Fabian Anaya	174963	05-04-17
Fabian Anaya	Fabian Anaya	174963	05-05-17
Juan Garcia	Juan Garcia	169840	05-05-17
Fabian Anaya	Fabian Anaya	174963	05-06-17
Juan Garcia	Juan Garcia	169840	05-06-17
Fabian Anaya	Fabian Anaya	174963	05-07-17
Juan Garcia	Juan Garcia	169840	05-07-17

10.1[2] Reviewed by:

SOM (print)	Signature	Z#	Date

ATTACHMENT 2
Page 1 of 3

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

NOTE 1 *Drum 69417 is no longer considered a RNS drum by LANL or NMED.*
NOTE 2 ① = Cell 1; ② = Cell 2; ③ = Cell 3; ® = refrigerator; N/A – removed from Perma-Con and refrigerator

	Monday 6.[2] Date & Start Time: 05-08-17/1310	Tuesday 6.[2] Date & Start Time: 05-09-17/1310	Wednesday 6.[2] Date & Start Time: 05-10-17/1311	Thursday 6.[2] Date & Start Time: 05-11-17/1314	Friday 6.[2]Date & Start Time: 05-12-17/1300	Saturday 6.[2] Date & Start Time: 05-13-17/1300	Sunday 6.[2] Date & Start Time: 05-14-17/1300
TA-54-0375 Cell 1							
Calibrated infrared thermometer (6.[3])	Brand: Fluke Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: FLUKE Model: 561 Cal. Due Date: 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: 60.9 °F	Cell 1: 52.5 °F	Cell 1: 50.9 °F	Cell 1: 57.6 °F	Cell 1: 59.3 °F	Cell 1: 60.4 °F	Cell 1: 61.7 °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
Ambient Temperature (6.[7])	Refrig.: 36.0 °F	Refrig.: 34.6 °F	Refrig.: 35.2 °F	Refrig.: 36.1 °F	Refrig.: 37.7 °F	Refrig.: 35.6 °F	Refrig.: 34.9 °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 34.5	① ② ③ ✓ N/A 35.4	① ② ③ ✓ N/A 34.3	① ② ③ ● N/A 34.3	① ② ③ ✓ N/A 34.4	① ② ③ ✓ N/A 35.3	① ② ③ ✓ N/A 34.6
68540	① ② ③ ✓ N/A 35.3	① ② ③ ✓ N/A 34.2	① ② ③ ✓ N/A 34.6	① ② ③ ● N/A 34.4	① ② ③ ✓ N/A 35.7	① ② ③ ✓ N/A 35.6	① ② ③ ✓ N/A 34.8
68553	① ② ③ ✓ N/A 35.4	① ② ③ ✓ N/A 34.4	① ② ③ ✓ N/A 33.8	① ② ③ ● N/A 34.1	① ② ③ ✓ N/A 34.7	① ② ③ ✓ N/A 34.5	① ② ③ ✓ N/A 34.3
69445	① ② ③ ✓ N/A 36.0	① ② ③ ✓ N/A 35.5	① ② ③ ✓ N/A 35.6	① ② ③ ● N/A 34.9	① ② ③ ✓ N/A 35.2	① ② ③ ✓ N/A 34.5	① ② ③ ✓ N/A 35.0

WORKING COPY
Z# 174977
INITIAL OA DATE 05-08-17

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	37.2	① ② ③ ✓ N/A	34.0	① ② ③ ✓ N/A	35.3	① ② ③ ● N/A	34.9	① ② ③ ✓ N/A	36.5	① ② ③ ✓ N/A	34.0	① ② ③ ✓ N/A	34.4
69013	✓ ② ③ ® N/A	63.2	✓ ② ③ ® N/A	51.3	✓ ② ③ ® N/A	50.8	✓ ② ③ ® N/A	53.8	✓ ② ③ ® N/A	57.3	✓ ② ③ ® N/A	59.3	✓ ② ③ ® N/A	59.1
69490	✓ ② ③ ® N/A	61.9	✓ ② ③ ® N/A	50.8	✓ ② ③ ® N/A	50.3	✓ ② ③ ® N/A	54.4	✓ ② ③ ® N/A	56.8	✓ ② ③ ® N/A	57.7	✓ ② ③ ® N/A	58.7
69076	✓ ② ③ ® N/A	61.9	✓ ② ③ ® N/A	51.7	✓ ② ③ ® N/A	50.8	✓ ② ③ ® N/A	53.8	✓ ② ③ ® N/A	56.9	✓ ② ③ ® N/A	58.4	✓ ② ③ ® N/A	59.7
69280	① ② ③ ✓ N/A	37.9	① ② ③ ✓ N/A	36.0	① ② ③ ✓ N/A	34.1	① ② ③ ● N/A	34.1	① ② ③ ✓ N/A	35.2	① ② ③ ✓ N/A	35.5	① ② ③ ✓ N/A	34.6
69208	① ② ③ ✓ N/A	38.7	① ② ③ ✓ N/A	35.3	① ② ③ ✓ N/A	34.3	① ② ③ ● N/A	34.7	① ② ③ ✓ N/A	34.9	① ② ③ ✓ N/A	34.0	① ② ③ ✓ N/A	33.6
69079	① ② ③ ✓ N/A	38.8	① ② ③ ✓ N/A	34.5	① ② ③ ✓ N/A	34.8	① ② ③ ● N/A	34.1	① ② ③ ✓ N/A	35.5	① ② ③ ✓ N/A	36.3	① ② ③ ✓ N/A	36.1
69636	✓ ② ③ ® N/A	62.8	✓ ② ③ ® N/A	49.6	✓ ② ③ ® N/A	51.0	✓ ② ③ ® N/A	55.3	✓ ② ③ ® N/A	57.1	✓ ② ③ ® N/A	57.7	✓ ② ③ ® N/A	58.8
69616	✓ ② ③ ® N/A	62.8	✓ ② ③ ® N/A	49.7	✓ ② ③ ® N/A	50.4	✓ ② ③ ® N/A	53.6	✓ ② ③ ® N/A	56.2	✓ ② ③ ® N/A	59.2	✓ ② ③ ® N/A	60.0
69417	N/A		N/A		N/A		N/A		N/A		N/A		N/A	
69620	✓ ② ③ ® N/A	62.3	✓ ② ③ ® N/A	51.8	✓ ② ③ ® N/A	51.4	✓ ② ③ ® N/A	54.0	✓ ② ③ ® N/A	58.3	✓ ② ③ ® N/A	57.7	✓ ② ③ ® N/A	58.3
69520	✓ ② ③ ® N/A	61.1	✓ ② ③ ® N/A	50.6	✓ ② ③ ® N/A	50.6	✓ ② ③ ® N/A	54.0	✓ ② ③ ® N/A	55.6	✓ ② ③ ® N/A	57.7	✓ ② ③ ® N/A	58.4
69641	✓ ② ③ ® N/A	62.2	✓ ② ③ ® N/A	51.0	✓ ② ③ ® N/A	51.2	✓ ② ③ ® N/A	53.6	✓ ② ③ ® N/A	56.6	✓ ② ③ ® N/A	58.7	✓ ② ③ ® N/A	60.2
69298	✓ ② ③ ® N/A	61.4	✓ ② ③ ® N/A	50.6	✓ ② ③ ® N/A	50.8	✓ ② ③ ® N/A	54.3	✓ ② ③ ® N/A	56.7	✓ ② ③ ® N/A	58.1	✓ ② ③ ® N/A	57.2
92669	① ② ③ ✓ N/A	37.8	① ② ③ ✓ N/A	35.2	① ② ③ ✓ N/A	34.1	① ② ③ ● N/A	34.1	① ② ③ ✓ N/A	35.0	① ② ③ ✓ N/A	34.9	① ② ③ ✓ N/A	34.2
End Time (6.[16])	1314		1327		1314		1319		1303		1305		1304	
Initial (6.[16])	WO: MZ WO: DA		WO: MZ WO: EP		WO: MZ WO: DA		WO: [illegible] WO: DA		WO: MZ WO: [illegible]		WO: MZ WO: [illegible]		WO: MZ WO: [illegible]	

ATTACHMENT 2
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Comments:

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
MATTHEW ZOCCO	Matthew Zo	311676	05-08-17
Tina Aguirre	Tina Aguirre	174977	05-08-17
MATTHEW ZOCCO	Matthew Zo	311676	05-09-17
Edward Pacheco	Edward Pacheco	100497	05-09-17
MATTHEW ZOCCO	Matthew Zo	311676	05-10-17
Tina Aguirre	Tina Aguirre	174977	05-10-17
Juan Garcia	[illegible]	169840	05-11-17
Tina Aguirre	Tina Aguirre	174977	05-11-17
MATTHEW ZOCCO	Matthew Zo	311676	05-12-17
Leon Montoya	[illegible]	191526	05-12-17
MATTHEW ZOCCO	Matthew Zo	311676	05-13-17
Leon Montoya	[illegible]	191526	05-13-17
MATTHEW ZOCCO	Matthew Zo	311676	05-14-17
Leon Montoya	[illegible]	191526	05-14-17

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: 05-08-17/1315	Tuesday 6.[2] Date & Start Time: 05-09-17/1328	Wednesday 6.[2] Date & Start Time: 05-10-17/1315	Thursday 6.[2] Date & Start Time: 05-11-17/1319	Friday 6.[2] Date & Start Time: MZ 05-12-17 FLUKE /1304	Saturday 6.[2] Date & Start Time: 05-13-17/1306	Sunday 6.[2] Date & Start Time: 05-14-17/1305
TA-54-0375 Cell 2							
Calibrated infrared thermometer (6.[3])	Brand: Fluke Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: FLUKE Model: 561 Cal. Due Date 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 2: 63.0 °F	Cell 2: 52.5 °F	Cell 2: 51.9 °F	Cell 2: 57.0 °F	Cell 2: 58.7 °F	Cell 2: 60.3 °F	Cell 2: 60.6 °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)						
68408	① ② ③ ® N/A	63.2	52.9	52.2	54.1	58.5	60.0	60.4
68638	① ② ③ ® N/A	40.0	37.6	35.3	35.4	36.2	38.6	35.0
69615	① ② ③ ® N/A	60.1	54.1	53.1	54.8	58.0	58.8	59.6
69635	① ② ③ ® N/A	63.1	52.2	51.7	54.8	58.5	59.2	62.3
69642	① ② ③ ® N/A	61.3	52.0	52.0	55.7	57.8	58.9	60.0
69630	① ② ③ ® N/A	62.2	52.0	51.6	53.4	59.0	59.7	59.8
69633	① ② ③ ® N/A	60.8	52.6	52.8	55.3	58.0	60.1	60.6
68430	① ② ③ ® N/A	62.3	52.4	51.6	54.4	57.7	59.1	60.3
68631	① ② ③ ® N/A	61.4	53.4	52.3	55.6	58.1	59.1	59.6
69634	① ② ③ ® N/A	62.2	52.7	51.9	54.8	59.5	59.9	61.1

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	62.0	① ✓ ③ ® N/A	52.6	① ✓ ③ ® N/A	53.1	① ✓ ③ ® N/A	55.0	① ✓ ③ ® N/A	59.3	① ✓ ③ ® N/A	60.6	① ✓ ③ ® N/A	59.6
94227	① ✓ ③ ® N/A	59.9	① ✓ ③ ® N/A	52.6	① ✓ ③ ® N/A	52.6	① ✓ ③ ® N/A	55.1	① ✓ ③ ® N/A	58.4	① ✓ ③ ® N/A	59.5	① ✓ ③ ® N/A	62.3
68648	① ✓ ③ ® N/A	60.2	① ✓ ③ ® N/A	52.4	① ✓ ③ ® N/A	53.0	① ✓ ③ ® N/A	55.6	① ✓ ③ ® N/A	58.9	① ✓ ③ ® N/A	60.8	① ✓ ③ ® N/A	59.8
69644	① ✓ ③ ® N/A	61.4	① ✓ ③ ® N/A	55.1	① ✓ ③ ® N/A	52.1	① ✓ ③ ® N/A	54.8	① ✓ ③ ® N/A	56.7	① ✓ ③ ® N/A	59.7	① ✓ ③ ® N/A	61.6
69183	① ✓ ③ ® N/A	61.0	① ✓ ③ ® N/A	53.0	① ✓ ③ ® N/A	52.8	① ✓ ③ ® N/A	55.8	① ✓ ③ ® N/A	58.2	① ✓ ③ ® N/A	59.9	① ✓ ③ ® N/A	59.2
69638	① ✓ ③ ® N/A	61.3	① ✓ ③ ® N/A	52.9	① ✓ ③ ® N/A	52.0	① ✓ ③ ® N/A	55.8	① ✓ ③ ® N/A	58.0	① ✓ ③ ® N/A	59.5	① ✓ ③ ® N/A	61.1
68624	① ✓ ③ ® N/A	61.5	① ✓ ③ ® N/A	53.1	① ✓ ③ ® N/A	52.3	① ✓ ③ ® N/A	55.9	① ✓ ③ ® N/A	58.9	① ✓ ③ ® N/A	59.2	① ✓ ③ ® N/A	59.5
68507	① ✓ ③ ® N/A	60.0	① ✓ ③ ® N/A	53.5	① ✓ ③ ® N/A	52.8	① ✓ ③ ® N/A	55.8	① ✓ ③ ® N/A	58.1	① ✓ ③ ® N/A	59.6	① ✓ ③ ® N/A	59.7
69568	① ✓ ③ ® N/A	61.7	① ✓ ③ ® N/A	52.6	① ✓ ③ ® N/A	52.0	① ✓ ③ ® N/A	55.7	① ✓ ③ ® N/A	58.7	① ✓ ③ ® N/A	60.3	① ✓ ③ ® N/A	60.4
69553	① ✓ ③ ® N/A	61.7	① ✓ ③ ® N/A	54.5	① ✓ ③ ® N/A	52.7	① ✓ ③ ® N/A	56.0	① ✓ ③ ® N/A	58.7	① ✓ ③ ® N/A	59.8	① ✓ ③ ® N/A	60.4
69598	① ✓ ③ ® N/A	61.9	① ✓ ③ ® N/A	53.5	① ✓ ③ ® N/A	52.4	① ✓ ③ ® N/A	56.4	① ✓ ③ ® N/A	58.6	① ✓ ③ ® N/A	60.8	① ✓ ③ ® N/A	61.7
92472	① ✓ ③ ® N/A	61.6	① ✓ ③ ® N/A	54.1	① ✓ ③ ® N/A	52.0	① ✓ ③ ® N/A	55.7	① ✓ ③ ® N/A	58.5	① ✓ ③ ® N/A	59.5	① ✓ ③ ® N/A	60.7
92459	① ✓ ③ ® N/A	61.1	① ✓ ③ ® N/A	53.2	① ✓ ③ ® N/A	51.9	① ✓ ③ ® N/A	56.6	① ✓ ③ ® N/A	58.1	① ✓ ③ ® N/A	60.3	① ✓ ③ ® N/A	60.6
69015	① ✓ ③ ® N/A	61.5	① ✓ ③ ® N/A	54.1	① ✓ ③ ® N/A	53.1	① ✓ ③ ® N/A	55.9	① ✓ ③ ® N/A	57.9	① ✓ ③ ® N/A	60.6	① ✓ ③ ® N/A	61.7
69639	① ✓ ③ ® N/A	62.0	① ✓ ③ ® N/A	53.1	① ✓ ③ ® N/A	52.3	① ✓ ③ ® N/A	55.6	① ✓ ③ ® N/A	60.0	① ✓ ③ ® N/A	59.7	① ✓ ③ ® N/A	60.1
69637	① ✓ ③ ® N/A	60.8	① ✓ ③ ® N/A	53.2	① ✓ ③ ® N/A	51.0	① ✓ ③ ® N/A	55.7	① ✓ ③ ® N/A	58.7	① ✓ ③ ® N/A	60.1	① ✓ ③ ® N/A	60.3
End Time (6.[16])	1319		1332		1318		1323		1308		1310		1309	
Initial (6.[16])	WO: MZ WO: [illegible]		WO: MZ WO: [illegible]		WO: MZ WO: [illegible]		WO: [illegible] WO: [illegible]		WO: MZ WO: [illegible]		WO: MZ WO: [illegible]		WO: MZ WO: [illegible]	

ATTACHMENT 3
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Comments:

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
MATTHEW ZOCCO	Matthew Z	311676	05-08-17
Tina Aguirre	Tina Aguirre	174977	05-08-17
MATTHEW ZOCCO	Matthew Z	311676	05-09-17
Edward Pacheco	Edward Pacheco	100497	05-09-17
MATTHEW ZOCCO	Matthew Z	311676	05-10-17
Tina Aguirre	Tina Aguirre	174977	05-10-17
Juan Garcia	[illegible]	169840	05-11-17
Tina Aguirre	Tina Aguirre	174977	05-11-17
MATTHEW ZOCCO	Matthew Z	311676	05-12-17
Leon Montoya	[illegible]	191526	05-12-17
MATTHEW ZOCCO	Matthew Z	311676	05-13-17
Leon Montoya	[illegible]	191526	05-13-17
MATTHEW ZOCCO	Matthew Z	311676	05-14-17
Leon Montoya	[illegible]	191526	05-14-17

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: 05-08-17/1320	Tuesday 6.[2] Date & Start Time: 05-09-17/1333	Wednesday 6.[2] Date & Start Time: 05-10-17/1319	Thursday 6.[2] Date & Start Time: 05-11-17/1323	Friday 6.[2] Date & Start Time: 05-12-17/1309	Saturday 6.[2] Date & Start Time: 05-13-17/1311	Sunday 6.[2] Date & Start Time: 05-14-17/1310
TA-54-0375 Cell 3							
Calibrated infrared thermometer (6.[3])	Brand: Fluke Model: 561 Cal. Due Date: 12-19-17 File Number 103868	Brand: FLUKE Model: 561 Cal. Due Date: 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 3: 60.0 °F	Cell 3: 52.4 °F	Cell 3: 51.7 °F	Cell 3: 54.9 °F	Cell 3: 58.5 °F	Cell 3: 59.5 °F	Cell 3: 59.9 °F
($) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[5])	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT
Container ID #	Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)						
69519	① ② ③ ® N/A 58.7	① ② ③ ® N/A 53.2	① ② ③ ® N/A 51.5	① ② ③ ® N/A 55.3	① ② ③ ® N/A 57.1	① ② ③ ® N/A 57.8	① ② ③ ® N/A 58.6
69645	① ② ③ ® N/A 56.3	① ② ③ ® N/A 50.3	① ② ③ ® N/A 50.4	① ② ③ ® N/A 52.9	① ② ③ ® N/A 55.5	① ② ③ ® N/A 56.3	① ② ③ ® N/A 56.6
94068	① ② ③ ® N/A 58.7	① ② ③ ® N/A 51.1	① ② ③ ® N/A 51.1	① ② ③ ® N/A 52.3	① ② ③ ® N/A 57.5	① ② ③ ® N/A 55.9	① ② ③ ® N/A 57.6
93605	① ② ③ ® N/A 58.5	① ② ③ ® N/A 51.3	① ② ③ ® N/A 50.6	① ② ③ ® N/A 54.2	① ② ③ ® N/A 56.8	① ② ③ ® N/A 57.6	① ② ③ ® N/A 58.0
69548	① ② ③ ® N/A 59.4	① ② ③ ® N/A 51.5	① ② ③ ® N/A 51.0	① ② ③ ® N/A 54.9	① ② ③ ® N/A 57.5	① ② ③ ® N/A 58.7	① ② ③ ® N/A 58.2

ATTACHMENT 4
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 3 (continued)							
Container ID #	**Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)**						
69604	① ② ✓ ® N/A 59.7	① ② ✓ ® N/A 52.4	① ② ✓ ® N/A 50.8	① ② ✓ ® N/A 55.3	① ② ✓ ® N/A 59.4	① ② ✓ ® N/A 58.6	① ② ✓ ® N/A 59.8
68665	① ② ✓ ® N/A 57.9	① ② ✓ ® N/A 50.6	① ② ✓ ® N/A 51.9	① ② ✓ ® N/A 53.8	① ② ✓ ® N/A 57.5	① ② ✓ ® N/A 58.8	① ② ✓ ® N/A 57.4
69595	① ② ✓ ® N/A 58.6	① ② ✓ ® N/A 52.4	① ② ✓ ® N/A 50.4	① ② ✓ ® N/A 55.2	① ② ✓ ® N/A 57.7	① ② ✓ ® N/A 58.2	① ② ✓ ® N/A 57.7
69036	① ② ✓ ® N/A 60.5	① ② ✓ ® N/A 51.1	① ② ✓ ® N/A 51.6	① ② ✓ ® N/A 54.6	① ② ✓ ® N/A 57.6	① ② ✓ ® N/A 59.3	① ② ✓ ® N/A 59.6
69361	① ② ✓ ® N/A 59.6	① ② ✓ ® N/A 51.0	① ② ✓ ® N/A 50.7	① ② ✓ ® N/A 54.4	① ② ✓ ® N/A 57.5	① ② ✓ ® N/A 58.6	① ② ✓ ® N/A 59.0
69559	① ② ✓ ® N/A 58.6	① ② ✓ ® N/A 51.5	① ② ✓ ® N/A 51.5	① ② ✓ ® N/A 56.1	① ② ✓ ® N/A 57.6	① ② ✓ ® N/A 58.8	① ② ✓ ® N/A 58.5
69491	① ② ✓ ® N/A 60.3	① ② ✓ ® N/A 52.0	① ② ✓ ® N/A 51.4	① ② ✓ ® N/A 55.0	① ② ✓ ® N/A 57.9	① ② ✓ ® N/A 58.5	① ② ✓ ® N/A 59.1
87827	① ② ✓ ® N/A 61.3	① ② ✓ ® N/A 52.5	① ② ✓ ® N/A 52.0	① ② ✓ ® N/A 56.0	① ② ✓ ® N/A 59.5	① ② ✓ ® N/A 61.3	① ② ✓ ® N/A 61.2
87826	① ② ✓ ® N/A 60.2	① ② ✓ ® N/A 52.3	① ② ✓ ® N/A 51.7	① ② ✓ ® N/A 56.4	① ② ✓ ® N/A 58.8	① ② ✓ ® N/A 59.4	① ② ✓ ® N/A 58.9
87823	① ② ✓ ® N/A 60.3	① ② ✓ ® N/A 52.7	① ② ✓ ® N/A 52.1	① ② ✓ ® N/A 56.4	① ② ✓ ® N/A 59.5	① ② ✓ ® N/A 60.0	① ② ✓ ® N/A 61.2
87825	① ② ✓ ® N/A 62.1	① ② ✓ ® N/A 51.9	① ② ✓ ® N/A 51.7	① ② ✓ ® N/A 60.4	① ② ✓ ® N/A 62.5	① ② ✓ ® N/A 60.4	① ② ✓ ® N/A 60.5
End Time (6.[16])	1324	1336	1323	1327	1312	1314	1313
Initial (6.[16])	WO: MZ WO: [illegible]	WO: MZ WO: [illegible]	WO: MZ WO: [illegible]	WO: [illegible] WO: [illegible]	WO: MZ WO: [illegible]	WO: MZ WO: [illegible]	WO: MZ WO: [illegible]

ATTACHMENT 4
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Comments:

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
MATTHEW ZOCCO		311676	05-08-17
Tina Aguirre		174977	05-08-17
MATTHEW ZOCCO		311676	05-09-17
Edward Pacheco		100497	05-09-17
MATTHEW ZOCCO		311676	05-10-17
Tina Aguirre		174977	05-10-17
Juan Garcia		169840	05-11-17
Tina Aguirre		174977	05-11-17
MATTHEW ZOCCO		311676	05-12-17
Leon Montoya		191526	05-12-17
MATTHEW ZOCCO		311676	05-13-17
Leon Montoya		191526	05-13-17
MATTHEW ZOCCO		311676	05-14-17
Leon Montoya		191526	05-14-17

10.1[2] Reviewed by:

SOM (print)	Signature	Z#	Date

ATTACHMENT 2
Page 1 of 3

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

NOTE 1 *Drum 69417 is no longer considered a RNS drum by LANL or NMED.*
NOTE 2 ① = Cell 1; ② = Cell 2; ③ = Cell 3; ® = refrigerator; N/A – removed from Perma-Con and refrigerator

	Monday 6.[2] Date & Start Time: 05-15-17/1319	Tuesday 6.[2] Date & Start Time: 05-16-17/1303	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: 06-20-17 File Number: 101975	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number: 101975	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: 62.0 °F	Cell 1: 59.6 °F	Cell 1: ____ °F	Cell 1: ____ °F	Cell 1: ____ °F	Cell 1: ____ °F	Cell 1: ____ °F
($) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[5])	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☐ SAT ☐ UNSAT	☐ SAT ☐ UNSAT	☐ SAT ☐ UNSAT	☐ SAT ☐ UNSAT	☐ SAT ☐ UNSAT
Ambient Temperature (6.[7])	Refrig.: 36.3 °F	Refrig.: 36.2 °F	Refrig.: ____ °F	Refrig.: ____ °F	Refrig.: ____ °F	Refrig.: ____ °F	Refrig.: ____ °F
($) 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	34.3	① ② ③ ● N/A	36.1	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	
68540	① ② ③ ● N/A	34.4	① ② ③ ● N/A	34.5	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	
68553	① ② ③ ● N/A	34.3	① ② ③ ● N/A	34.8	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	
69445	① ② ③ ● N/A	35.2	① ② ③ ● N/A	35.9	① ② ③ ® N/A		① ② ③ ® N/A		① ② ③ ® N/A		① ② ③ ® N/A		① ② ③ ® N/A	

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Z# 191526
INITIAL Lm DATE 05-15-17

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	33.5	① ② ③ ● N/A	35.1	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	
69013	✓ ② ③ ® N/A	58.7	✓ ② ③ ® N/A	57.4	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	
69490	✓ ② ③ ® N/A	52.6	✓ ② ③ ® N/A	57.1	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	
69076	✓ ② ③ ® N/A	58.9	✓ ② ③ ® N/A	57.4	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	
69280	① ② ③ ● N/A	34.7	① ② ③ ● N/A	36.0	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	
69208	① ② ③ ● N/A	33.8	① ② ③ ● N/A	36.1	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	
69079	① ② ③ ● N/A	34.0	① ② ③ ● N/A	36.1	① ② ③ ® N/A		① ② ③ ® N/A		① ② ③ ® N/A		① ② ③ ® N/A		① ② ③ ® N/A	
69636	✓ ② ③ ® N/A	58.6	✓ ② ③ ® N/A	56.5	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	
69616	✓ ② ③ ® N/A	59.0	✓ ② ③ ® N/A	56.3	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	
69417	N/A		N/A		N/A		N/A		N/A		N/A		N/A	
69620	✓ ② ③ ® N/A	58.3	✓ ② ③ ® N/A	55.6	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	
69520	✓ ② ③ ® N/A	58.1	✓ ② ③ ® N/A	56.4	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	
69641	✓ ② ③ ® N/A	58.8	✓ ② ③ ® N/A	56.5	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	
69298	✓ ② ③ ® N/A	58.3	✓ ② ③ ® N/A	56.3	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	
92669	① ② ③ ● N/A	35.1	① ② ③ ● N/A	35.6	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	
End Time (6.[16])	1325		1309											
Initial (6.[16])	WO: LM WO: QA		WO: LM WO: QA		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
Leon Montoya		191526	05-15-17
Tina Aguirre		174977	05-15-17
Tina Aguirre		174977	05-16-17
Leon Montoya		191526	05-16-17

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: 05-15-17/1326	Tuesday 6.[2] Date & Start Time: 05-16-17/1309	Wednesday 6.[2] Date & Start Time:	Thursday 6.[2] Date & Start Time:	Friday 6.[2] Date & Start Time:	Saturday 6.[2] Date & Start Time:	Sunday 6.[2] Date & Start Time:
TA-54-0375 Cell 2							
Calibrated infrared thermometer (6.[3])	Brand: 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: ____ 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: 59.2 °F	Cell 2: 58.3 °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	60.7	① ✓ ③ ® N/A	57.9	① ② ③ ® N/A		
68638	① ② ③ ● N/A	36.2	① ② ③ ● N/A	36.6	① ② ③ ® N/A		
69615	① ✓ ③ ® N/A	59.3	① ✓ ③ ® N/A	57.1	① ② ③ ® N/A		
69635	① ✓ ③ ® N/A	59.8	① ✓ ③ ® N/A	57.5	① ② ③ ® N/A		
69642	① ✓ ③ ® N/A	59.7	① ✓ ③ ® N/A	57.1	① ② ③ ® N/A		
69630	① ✓ ③ ® N/A	59.9	① ✓ ③ ® N/A	57.3	① ② ③ ® N/A		
69633	① ✓ ③ ® N/A	59.2	① ✓ ③ ® N/A	57.7	① ② ③ ® N/A		
68430	① ✓ ③ ® N/A	59.9	① ✓ ③ ® N/A	57.2	① ② ③ ® N/A		
68631	① ✓ ③ ® N/A	60.6	① ✓ ③ ® N/A	57.5	① ② ③ ® N/A		
69634	① ✓ ③ ® N/A	61.0	① ✓ ③ ® N/A	58.6	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	60.3	① ✓ ③ ® N/A	58.6	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	
94227	① ✓ ③ ® N/A	59.7	① ✓ ③ ® N/A	57.5	① ② ③ ® N/A		① ② ③ ® N/A		① ② ③ ® N/A		① ② ③ ® N/A		① ② ③ ® N/A	
68648	① ✓ ③ ® N/A	60.0	① ✓ ③ ® N/A	56.9	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	
69644	① ✓ ③ ® N/A	59.7	① ✓ ③ ® N/A	57.9	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	
69183	① ✓ ③ ® N/A	59.3	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		① ② ③ ® N/A	
69638	① ✓ ③ ® N/A	60.1	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		① ② ③ ® N/A	
68624	① ✓ ③ ® N/A	60.0	① ✓ ③ ® N/A	57.8	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	
68507	① ✓ ③ ® N/A	60.0	① ✓ ③ ® N/A	57.1	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	
69568	① ✓ ③ ® N/A	59.9	① ✓ ③ ® N/A	57.5	① ② ③ ® N/A		① ② ③ ® N/A		① ② ③ ® N/A		① ② ③ ® N/A		① ② ③ ® N/A	
69553	① ✓ ③ ® N/A	60.3	① ✓ ③ ® N/A	58.0	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	
69598	① ✓ ③ ® N/A	60.6	① ✓ ③ ® N/A	58.1	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	
92472	① ✓ ③ ® N/A	60.8	① ✓ ③ ® N/A	57.8	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	
92459	① ✓ ③ ® N/A	59.5	① ✓ ③ ® N/A	58.3	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	
69015	① ✓ ③ ® N/A	60.7	① ✓ ③ ® N/A	57.0	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	
69639	① ✓ ③ ® N/A	60.1	① ✓ ③ ® N/A	58.0	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	
69637	① ✓ ③ ® N/A	60.1	① ✓ ③ ® N/A	57.9	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	
End Time (6.[16])	1333		1314											
Initial (6.[16])	WO: LM WO: DA		WO: LM WO: DA		WO: WO:		WO: WO:		WO: WO:		WO: WO:		WO: WO:	

ATTACHMENT 3
Page 3 of 3

Comments:

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
Leon Montoya		191526	05-15-17
Tina Aguirre		174927	05-15-17
Leon Montoya		191526	05-16-17
Tina Aguirre		174927	05-16-17

Waste Operator (print)	Signature	Z#	Date

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: 05-15-17/1334	Tuesday 6.[2] Date & Start Time: 05-16-17/1314	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: 6-20-17 File Number 101975	Brand: Fluke Model: 561 Cal. Due Date: 6-20-17 File Number 101975	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: 59.8 °F	Cell 3: 57.8 °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 57.9	① ② ③ ® N/A 55.4	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
69645	① ② ③ ® N/A 55.6	① ② ③ ® N/A 53.8	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
94068	① ② ③ ® N/A 56.6	① ② ③ ® N/A 53.8	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 57.5	① ② ③ ® N/A 54.8	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
69548	① ② ③ ® N/A 58.5	① ② ③ ® N/A 56.4	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

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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		① ② ③ ® N/A		① ② ③ ® N/A		① ② ③ ® N/A		① ② ③ ® N/A	
68665	① ② ③ ✓ ® N/A	57.3	① ② ③ ✓ ® N/A	55.1	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	
69595	① ② ③ ✓ ® N/A	58.2	① ② ③ ✓ ® N/A	56.0	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	
69036	① ② ③ ✓ ® N/A	59.3	① ② ③ ✓ ® N/A	56.8	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	
69361	① ② ③ ✓ ® N/A	58.5	① ② ③ ✓ ® N/A	56.9	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	
69559	① ② ③ ✓ ® N/A	58.6	① ② ③ ✓ ® N/A	56.3	① ② ③ ® N/A		① ② ③ ® N/A		① ② ③ ® N/A		① ② ③ ® N/A		① ② ③ ® N/A	
69491	① ② ③ ✓ ® N/A	59.1	① ② ③ ✓ ® N/A	56.1	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	
87827	① ② ③ ✓ ® N/A	59.9	① ② ③ ✓ ® N/A	57.0	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	
87826	① ② ③ ✓ ® N/A	60.6	① ② ③ ✓ ® N/A	57.3	① ② ③ ® N/A		① ② ③ ® N/A		① ② ③ ® N/A		① ② ③ ® N/A		① ② ③ ® N/A	
87823	① ② ③ ✓ ® N/A	60.9	① ② ③ ✓ ® N/A	57.0	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	
87825	① ② ③ ✓ ® N/A	61.8	① ② ③ ✓ ® N/A	61.2	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	
End Time (6.[16])	1338		1318											
Initial (6.[16])	WO: Lm WO: DA		WO: Lm WO: DA		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
Luis Montoya		191526	05-15-17
Tina Aguirre		174927	05-15-17
Luis Montoya		191526	05-16-17
Tina Aguirre		174927	05-16-17

Waste Operator (print)	Signature	Z#	Date

10.1[2] Reviewed by:

SOM (print)	Signature	Z#	Date