From: Juarez, Catherine L
Sent: Wednesday, March 15, 2017 3:40 PM
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Subject: Monthly Technical Summary February 16, 2017 - March 15, 2017

Linked below is the written monthly technical summary February 16, 2017 – March 15, 2017. Summaries are due the third Wednesday of each month. The Permittees are submitting the attached information pursuant to: Section 19 of the May 19, 2014, *Administrative Order;* the letters from NMED dated July 10, 2014, April 27, 2015, May 8, 2015 , and August 12, 2015 regarding *Modification to May 19, 2014, Administrative Order*; and Section X of the *LANL Nitrate Salt-Bearing Waste Container Isolation Plan, Revision 7,* approved on October 17, 2016.

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

NMED monthly written summary March 15 2017.pdf

Please remember the following:

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

Cathy Juarez for
Mark Haagenstad
EPC-CP

NMED / LANL Technical Summary

February 16, 2017 – March 15, 2017

Participants:

- New Mexico Environment Department: Neelam Dhawan and Siona Briley.
- LANL- NNSA – Los Alamos Field Office: Karen Armijo and Jordan Arnswald.
- LANL – Los Alamos National Security: Mark Haagenstad, Luciana Vigil-Holterman, Felicia Naranjo 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).
    - All 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.
    - February 15, 2017 – March 14, 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 March 14, 2017, LANL has completed HSG sampling for the month on 43 containers.
        - February 15, 2017 – March 14, 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 February 2017 and March 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.

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

Other:

Next Call: Wednesday, April 19, 2017

Summary Chart - Requested Information / Pending Issues:

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

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

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

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

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

	Requested Information	Actionee	Status	Completion Date
36.	NMED request regarding LANL Causal Analysis associated with processing of nitrate salt-bearing waste at WCRRF – when document is Final.	LANL	Document is currently Draft and will remain draft.	Closed November 19, 2015 Meeting with NMED-HWB personnel discussed that information in the Technical Assessment Report and the DOE Phase II Investigation Report were sufficient for closure.
37.	NMED requested a diagram illustrating the current locations within the 375 Permacon of the 55 SWBs that contain the 57 remediated nitrate salt-bearing waste containers. NMED also requested a list of these 55 SWBs and the waste drums within each SWB (including the container numbers and waste stream type).	LANL	---	Complete October 27, 2014 (Diagram submitted) November 3, 2014 (Table submitted) November 20, 2014 (Revised table submitted)

	Requested Information	Actionee	Status	Completion Date
38.	NMED requested documentation regarding CIN01.001 waste containers that are not part of the September 19, 2014 Nitrate Salts-Bearing Waste Container Isolation Plan, Revision 2.	LANL	In Progress LANL will submit this documentation in batches as it is becomes available.	Submitted 100 out of 586 RTRs and documentation on October 3, 2014. Submitted documentation for 101-200 containers on October 10, 2014. Submitted documentation for 201-300 containers on October 16, 2014. Submitted documentation for 301-400 containers on October 23, 2014. Submitted documentation for 401-500 containers on October 27, 2014. Submitted documentation for 501-586 containers on November 12, 2014. Submitted RTR Videos 101-150 on November 12, 2014. Submitted RTR Videos 151-200 on November 20, 2014. Submitted RTR Videos 201-250 on December 1, 2014. Submitted RTR Videos 251-300 on December 19, 2014. Submitted RTR Videos 301-312 on January 15, 2015.
39.	NMED requested a diagram of the location of the thermocouples on 68685 and SB50522.	LANL	---	Complete October 27, 2014
40.	NMED requested a copy of the safety basis document for remediation planning when it is finalized.	LANL	Document is currently in Draft and final path has not yet been determined.	Closed. November 19, 2015 meeting with NMED-HWB personnel.

	Requested Information	Actionee	Status	Completion Date
41.	Trending and correlation of temperature and HSG monitoring data.	LANL	---	Complete November 19, 2015 HSG data modeling report to be included with the LANL Isolation Plan and graphical depitions of HSG data and temperature will be included with monthly submittals starting in December 2015.
42.	Schedule a fourth update on LANL efforts – including teams.	LANL/ NMED	---	Complete November 3, 2014
43.	Schedule a fifth update on LANL efforts – including teams.	LANL/ NMED	---	Complete November 20, 2014
44.	Schedule a sixth update on LANL efforts – including teams.	LANL/ NMED	---	Complete December 9, 2014
45.	NMED requested documentation regarding CIN01 drums.	LANL	---	Complete Email- February 3, 2015 Letter- February 19, 2015
46.	NMED requested documentation regarding duplicate drum number.	LANL	---	Complete May 6, 2015
47.	NMED requested the ESS plan for temperature control and sampling once finalized.	LANL	---	Closed November 19, 2015 meeting with NMED-HWB personnel.
48.	Schedule a seventh update on LANL efforts – including teams.	LANL/ NMED	---	Complete January 29, 2015
49.	Fire suppression repair plan for Dome 231	LANL	---	This repair plan is no longer necessary because drum movement did not occur during the repair process. Repair is complete.

	Requested Information	Actionee	Status	Completion Date
50.	NMED requested information regarding solution packages 36, 37, 57 and 78.	LANL	---	Complete. Email – February 17, 2015. Letter- March 19, 2015.
51.	NMED requested copies of any procedures regarding cementation in bags.	LANL	---	March 19, 2015 Confirmation that no specific procedure can be located for cementation in bags.
52.	NMED requested information on the percentage of the 55 SWBs that, based on SWB HSG data, appear to have chemical reactions occurring within the waste.	LANL	---	Complete. Discussed during technical meeting on April 16, 2015. Email follow-up on April 20, 2015.
53.	NMED requested the document "TA-55 Cement Fixation Drum Logbook" referenced in the CCP AK document.	LANL	---	Complete. Included with April 24, 2015 Response to Request for Information.
54.	NMED requested summary sheet for HSG data.	LANL	---	Complete April 9, 2015.
55.	NMED requested additional discussion on engineering options for cooling in Summer months.	LANL	---	Complete. Discussed during technical meeting on April 16, 2015.
56.	NMED requested references in Technical Assessment Team report Waste Isolation Pilot Plant (WIPP): Chemical Reactivity and Recommended Remediation Strategy for Los Alamos Remediated Nitrate Salt (RNS) Wastes.	LANL	---	Complete April 9, 2015.
57.	Schedule an eighth LANL update meeting to continue technical discussions associated with remediation options, planning and other topics of interest.	LANL/ NMED	---	Complete April 16, 2015.

Remediated Nitrate Salt Container Headspace Gas Analysis

	68685 - 68685				69553 - 69553				69615 - 69615				69616 - 69616				SB50069 - 69208			
Date	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm
02/15/17	314	814	11554	2379																
02/16/17	240	788	10427	2172	308	1072	19533	2385	277	1196	16557	930	368	1068	15446	2408	646	2030	34617	4330
02/17/17	309	714	11228	2463																
02/18/17	315	782	11426	2378																
02/19/17	315	771	11533	2428																
02/20/17	116	192	4349	854	316	1098	19896	2417	285	875	16760	918	334	1071	14244	2177	1047	2404	39172	4954
02/21/17	307	864	11484	2413																
02/22/17	315	773	11996	2522																
02/23/17	311	856	11993	2490	311	1108	19777	2437	279	975	16804	1001	273	1183	15420	2390	1044	2406	39739	5002
02/24/17	310	754	12008	2525																
02/25/17	314	774	11619	2435																
02/26/17	307	890	11186	2369																
02/27/17	229	624	8841	1904	318	1047	19607	2412	284	900	16243	909	218	986	12883	2021	1018	2241	37512	4819
02/28/17	300	759	11121	2378																
03/01/17	322	977	11490	2431																
03/02/17	288	727	10363	2255	311	1089	18757	2328	262	837	15134	879	254	923	13982	2229	1015	2295	36365	4634
03/03/17	233	612	8501	1817																
03/04/17	301	868	10689	2274																
03/05/17	300	817	10997	2319																
03/06/17	283	800	10595	2188	323	1419	19091	2282	217	1004	14790	816	282	927	14505	2009	1036	2246	38438	4701
03/07/17	263	847	10864	2300																
03/08/17	299	758	11100	2341																
03/09/17	282	745	10510	2269	327	1063	19267	2358	265	1232	15581	882	312	965	15197	2377	1019	2392	37718	4732
03/10/17	296	836	11222	2286																
03/11/17	293	845	11102	2307																
03/12/17	283	864	11105	2303																
03/13/17	187	715	7478	1568	335	1174	20285	2535	266	1008	16222	945	312	1228	15168	2439	1028	2379	39062	5007
03/14/17	305	1067	12035	2527																

Remediated Nitrate Salt Container Headspace Gas Analysis

	SB50452 - 69076				SB50522 - 69490				68430 - 68430				68507 - 68507				70503 - 68540			
Date	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm
02/15/17					849	1599	18115	4137												
02/16/17	463	1288	17079	2234	794	1691	19131	4457												
02/17/17					822	1525	18032	4145												
02/18/17					851	1643	18611	4284												
02/19/17					876	1708	19220	4422												
02/20/17	467	1215	17381	2320	736	1417	16944	3892												
02/21/17					630	1176	13638	3158												
02/22/17					847	1647	19374	4471												
02/23/17	171	1079	14107	1854	853	1567	19255	4406												
02/24/17					817	1693	19545	4552												
02/25/17					902	1621	20067	4591												
02/26/17					857	1529	18463	4252												
02/27/17	473	1259	17676	2403	762	1535	18320	4241												
02/28/17					745	1473	18208	4187												
03/01/17					902	1710	18892	4358									16	0	751	0
03/02/17	464	1312	16453	2225	500	1447	16456	3825												
03/03/17					848	1605	18450	4273												
03/04/17					877	1648	18641	4287												
03/05/17					826	1603	18240	4206												
03/06/17	469	1315	17460	2337	823	1514	17758	4129												
03/07/17					565	1383	16752	3873												
03/08/17					875	1810	18504	4293												
03/09/17	476	1468	16962	2281	837	1717	18079	4215												
03/10/17					748	1645	15992	3727												
03/11/17					854	1550	18680	4307												
03/12/17					835	1784	17979	4211												
03/13/17	472	1316	17725	2415	814	1591	18545	4336												
03/14/17					842	1739	18590	4308	257	771	8942	1545	113	112	2067	97				

Remediated Nitrate Salt Container Headspace Gas Analysis

	70503 - 68553				68567 - 68567				68624 - 68624				68631 - 68631				68638 - 68638			
Date	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm
02/15/17					32	77	1311	113												
02/16/17																				
02/17/17																				
02/18/17																				
02/19/17																				
02/20/17																				
02/21/17																				
02/22/17																				
02/23/17																				
02/24/17																				
02/25/17																				
02/26/17																				
02/27/17																				
02/28/17																				
03/01/17	58	110	2179	191																
03/02/17																				
03/03/17																				
03/04/17																				
03/05/17																				
03/06/17																				
03/07/17																				
03/08/17									47	110	1863	243								
03/09/17																				
03/10/17																				
03/11/17																				
03/12/17																				
03/13/17																				
03/14/17													22	35	1232	110	14	0	637	0

Remediated Nitrate Salt Container Headspace Gas Analysis

	69013 - 69013				69015 - 69015				69036 - 69036				69298 - 69298				69445 - 69445			
Date	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm
02/15/17																				
02/16/17																				
02/17/17																				
02/18/17																				
02/19/17																				
02/20/17																				
02/21/17									111	0	1228	312								
02/22/17																				
02/23/17																				
02/24/17																				
02/25/17																				
02/26/17																				
02/27/17																				
02/28/17																				
03/01/17	46	112	2065	168													126	596	9431	1065
03/02/17																				
03/03/17																				
03/04/17																				
03/05/17																				
03/06/17																				
03/07/17													736	1417	19486	2977				
03/08/17					65	95	2117	184												
03/09/17																				
03/10/17																				
03/11/17																				
03/12/17																				
03/13/17																				
03/14/17																				

Remediated Nitrate Salt Container Headspace Gas Analysis

	69519 - 69519				69520 - 69520				69548 - 69548				69559 - 69559				69568 - 69568			
Date	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm
02/15/17	343	891	13755	3410																
02/16/17																				
02/17/17																				
02/18/17																				
02/19/17																				
02/20/17																				
02/21/17									7	0	467	76	164	828	7126	2168				
02/22/17									15	0	1237	160								
02/23/17																				
02/24/17																				
02/25/17																				
02/26/17																				
02/27/17																				
02/28/17																				
03/01/17					156	307	5428	1851												
03/02/17																				
03/03/17																				
03/04/17																				
03/05/17																				
03/06/17																				
03/07/17																				
03/08/17																				
03/09/17																				
03/10/17																				
03/11/17																				
03/12/17																				
03/13/17																				
03/14/17																	115	602	1587	723

Remediated Nitrate Salt Container Headspace Gas Analysis

	69598 - 69598				69604 - 69604				69618 - 69618				69620 - 69620				69630 - 69630			
Date	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**
02/15/17	41	0	2186	120																
02/16/17																				
02/17/17																				
02/18/17																				
02/19/17																				
02/20/17																				
02/21/17					332	846	12818	3644												
02/22/17																				
02/23/17																				
02/24/17																				
02/25/17																				
02/26/17																				
02/27/17																				
02/28/17																				
03/01/17									55	194	3577	455	299	1076	10661	1877				
03/02/17																				
03/03/17																				
03/04/17																				
03/05/17																				
03/06/17																				
03/07/17																	408	1052	17142	1573
03/08/17																				
03/09/17																				
03/10/17																				
03/11/17																				
03/12/17																				
03/13/17																				
03/14/17																				

Remediated Nitrate Salt Container Headspace Gas Analysis

	69633 - 69633				69634 - 69634				69635 - 69635				69636 - 69636				69637 - 69637			
Date	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm
02/15/17					134	80	3358	423												
02/16/17																				
02/17/17																				
02/18/17																				
02/19/17																				
02/20/17																				
02/21/17																				
02/22/17																				
02/23/17																				
02/24/17																				
02/25/17																				
02/26/17																				
02/27/17																				
02/28/17																				
03/01/17																				
03/02/17																				
03/03/17																				
03/04/17																				
03/05/17																				
03/06/17																				
03/07/17													110	613	10590	1337				
03/08/17	463	1040	13733	1693					133	496	6355	478					232	875	6332	1678
03/09/17																				
03/10/17																				
03/11/17																				
03/12/17																				
03/13/17																				
03/14/17																				

Remediated Nitrate Salt Container Headspace Gas Analysis

	69638 - 69638				69639 - 69639				69641 - 69641				69642 - 69642				69644 - 69644			
Date	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm
02/15/17																				
02/16/17																				
02/17/17																				
02/18/17																				
02/19/17																				
02/20/17																				
02/21/17																				
02/22/17																				
02/23/17																				
02/24/17																				
02/25/17																				
02/26/17																				
02/27/17																				
02/28/17																				
03/01/17									550	1317	10865	3815								
03/02/17																				
03/03/17																				
03/04/17																				
03/05/17																				
03/06/17																				
03/07/17													91	200	4147	412				
03/08/17	467	1174	11535	2056	188	448	7091	436									287	707	7732	1538
03/09/17																				
03/10/17																				
03/11/17																				
03/12/17																				
03/13/17																				
03/14/17																				

Remediated Nitrate Salt Container Headspace Gas Analysis

	69645 - 69645				93605 - 93605				94068 - 94068				94227 - 94227				SB02198 - 68408			
Date	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**
02/15/17	301	1069	13192	1917	378	1076	10122	2945	460	1393	20606	4263					117	190	3579	388
02/16/17																				
02/17/17																				
02/18/17																				
02/19/17																				
02/20/17																				
02/21/17																				
02/22/17																				
02/23/17																				
02/24/17																				
02/25/17																				
02/26/17																				
02/27/17																				
02/28/17																				
03/01/17																				
03/02/17																				
03/03/17																				
03/04/17																				
03/05/17																				
03/06/17																				
03/07/17																				
03/08/17																				
03/09/17																				
03/10/17																				
03/11/17																				
03/12/17																				
03/13/17																				
03/14/17													10	0	531	329				

Remediated Nitrate Salt Container Headspace Gas Analysis

	SB02203 - 92669				SB50073 - 69079				SB50418 - 69595				SB50431 - 69280				SB50442 - 68648			
Date	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**
02/15/17																				
02/16/17																				
02/17/17																				
02/18/17																				
02/19/17																				
02/20/17																				
02/21/17									224	804	11048	1278								
02/22/17																				
02/23/17																				
02/24/17																				
02/25/17																				
02/26/17																				
02/27/17																				
02/28/17																				
03/01/17																				
03/02/17																				
03/03/17																				
03/04/17																				
03/05/17																				
03/06/17																				
03/07/17	54	154	3415	202	660	1743	18060	4153					22	414	8183	1091				
03/08/17																				
03/09/17													202	696	11881	1656				
03/10/17																				
03/11/17																				
03/12/17																				
03/13/17																				
03/14/17																	161	522	7389	1415

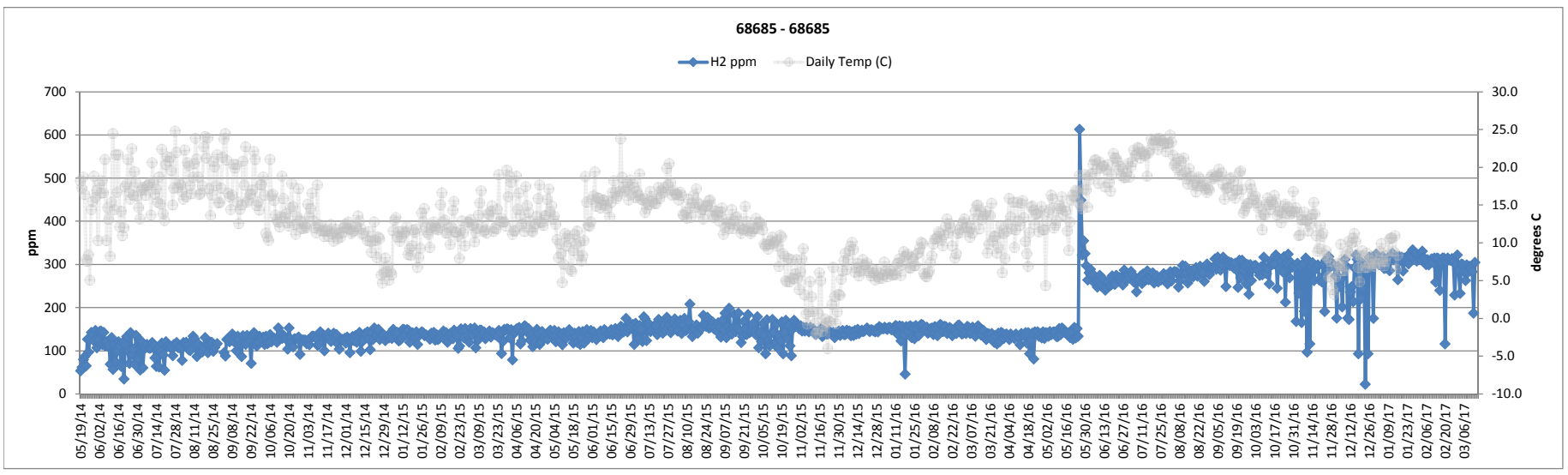
Remediated Nitrate Salt Container Headspace Gas Analysis

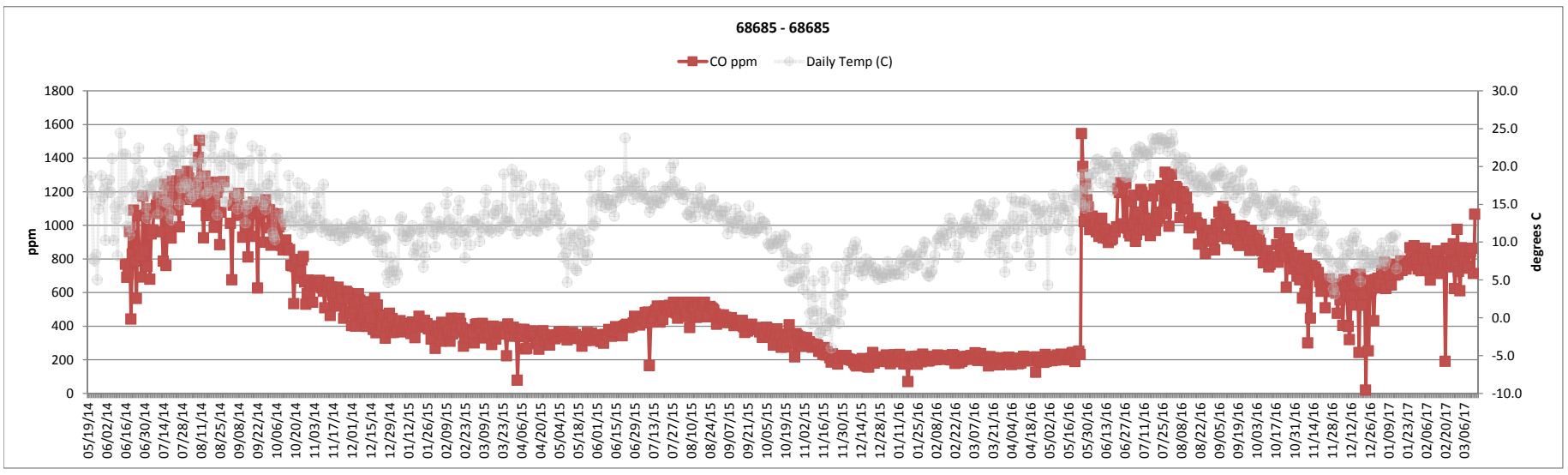
	SB50443 - 69183				SB50448 - 69491				SB50451 - 69361				SB50529 - 68665				SB50559 - 92459			
Date	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**	**H_2 ppm**	**CO ppm**	**CO_2 ppm**	**N_2O ppm**
02/15/17																				
02/16/17																				
02/17/17																				
02/18/17																				
02/19/17																				
02/20/17																				
02/21/17					784	1329	16019	2858	233	624	5952	793	227	605	6631	788				
02/22/17																				
02/23/17																				
02/24/17																				
02/25/17																				
02/26/17																				
02/27/17																				
02/28/17																				
03/01/17																				
03/02/17																				
03/03/17																				
03/04/17																				
03/05/17																				
03/06/17																				
03/07/17	204	1133	11413	2266																
03/08/17																				
03/09/17																				
03/10/17																				
03/11/17																				
03/12/17																				
03/13/17																				
03/14/17																	53	84	2446	110

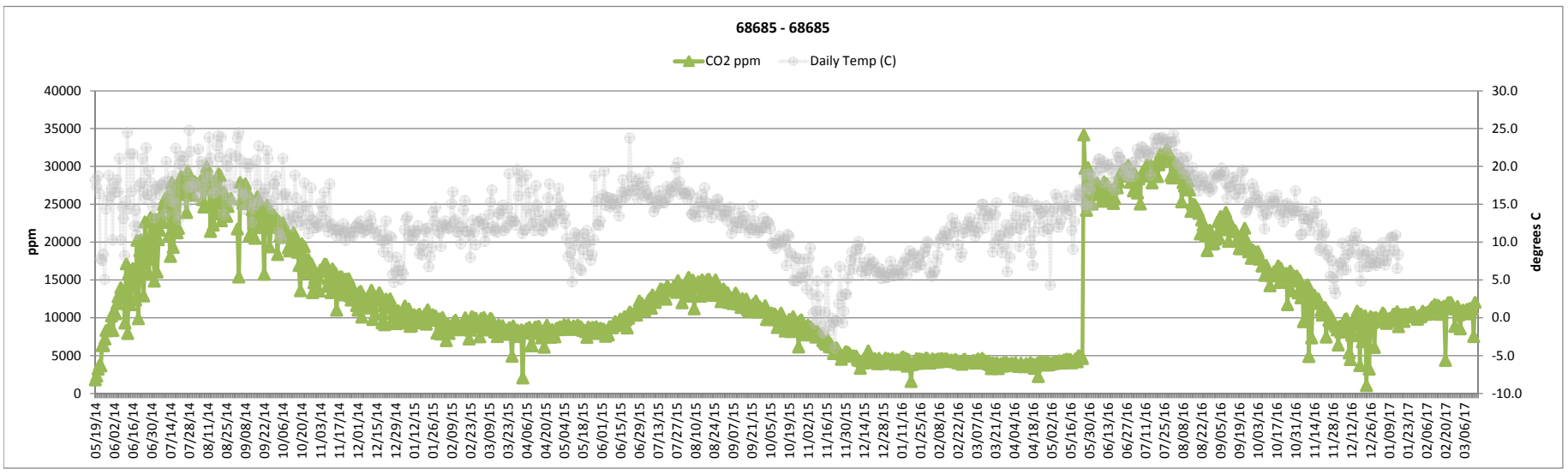
Remediated Nitrate Salt Container Headspace Gas Analysis

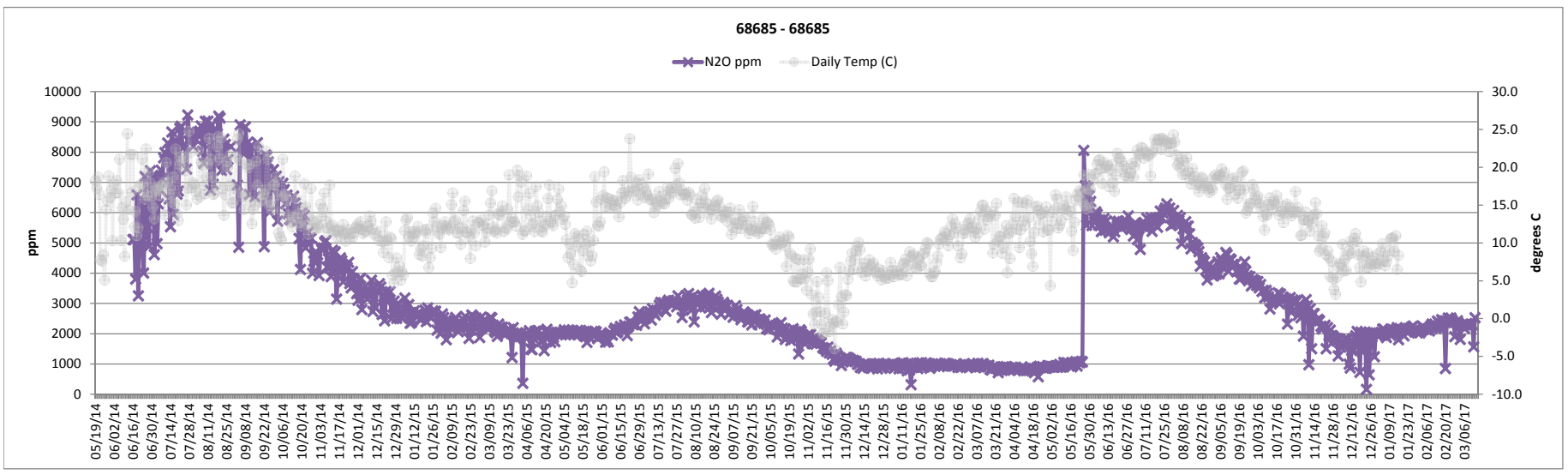
	SB50559 - 92472				87823				87825				87826				87827			
Date	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm	H_2 ppm	CO ppm	CO_2 ppm	N_2O ppm
02/15/17																				
02/16/17																				
02/17/17																				
02/18/17																				
02/19/17																				
02/20/17																				
02/21/17																				
02/22/17																				
02/23/17																				
02/24/17																				
02/25/17																				
02/26/17																				
02/27/17																				
02/28/17																				
03/01/17																				
03/02/17					127	76	2234	312	146	113	3764	607	145	174	5890	820	13	0	1157	98
03/03/17																	42	91	2409	243
03/04/17																				
03/05/17																				
03/06/17																				
03/07/17																				
03/08/17																				
03/09/17																				
03/10/17																				
03/11/17																				
03/12/17																				
03/13/17																				
03/14/17	74	166	3192	270																

Remediated Nitrate Salt Container Headspace Gas and Temperature

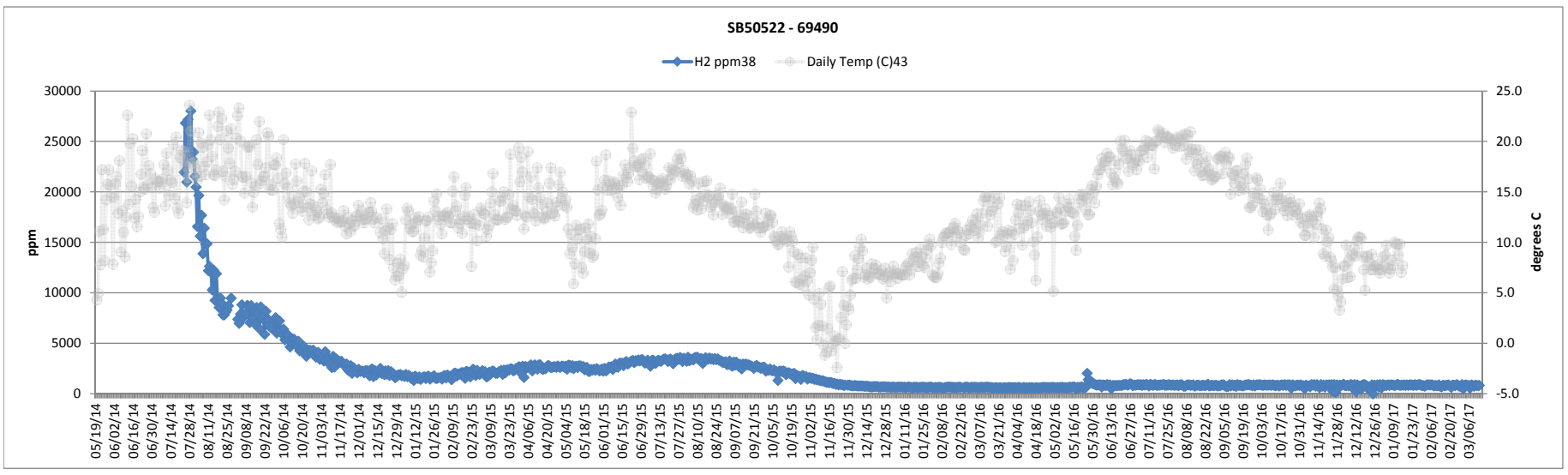


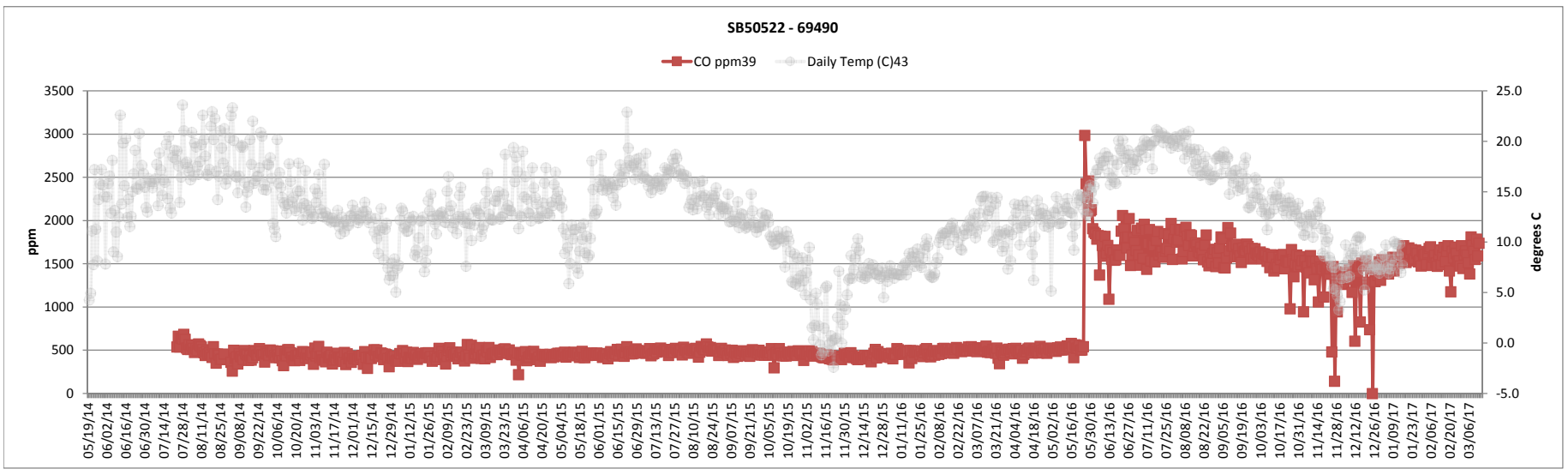


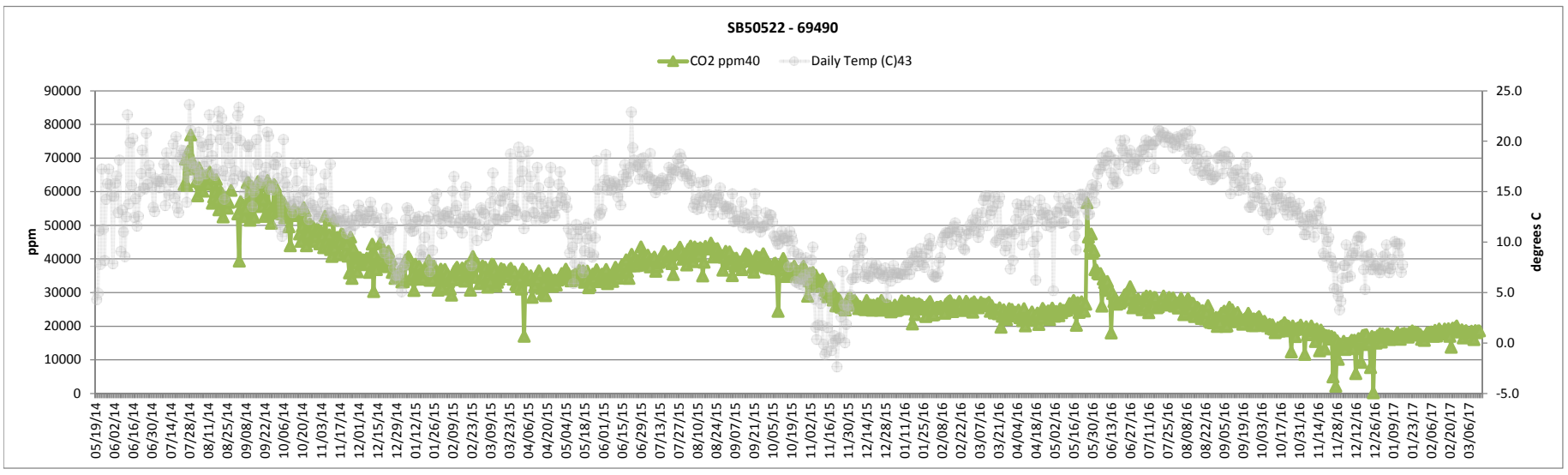


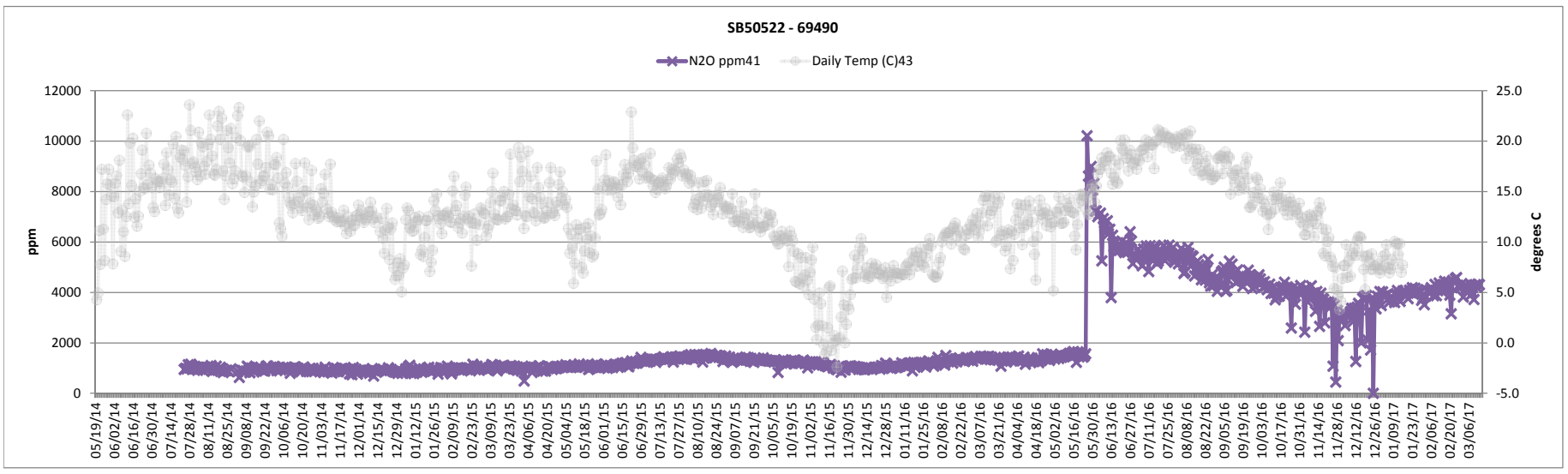


Remediated Nitrate Salt Container Headspace Gas and Temperature

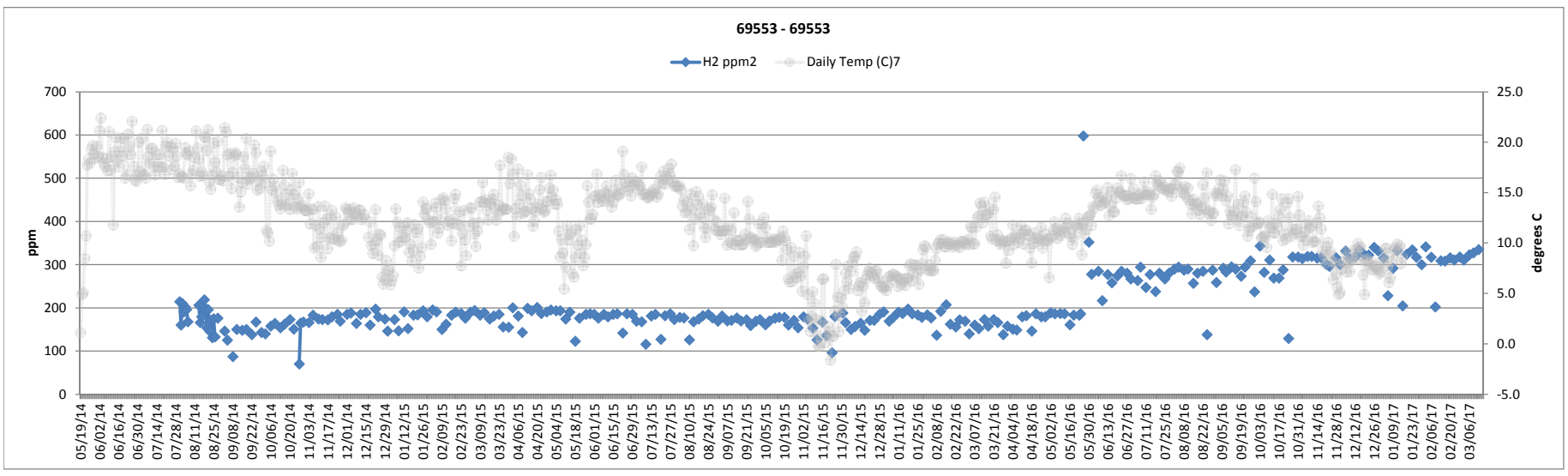


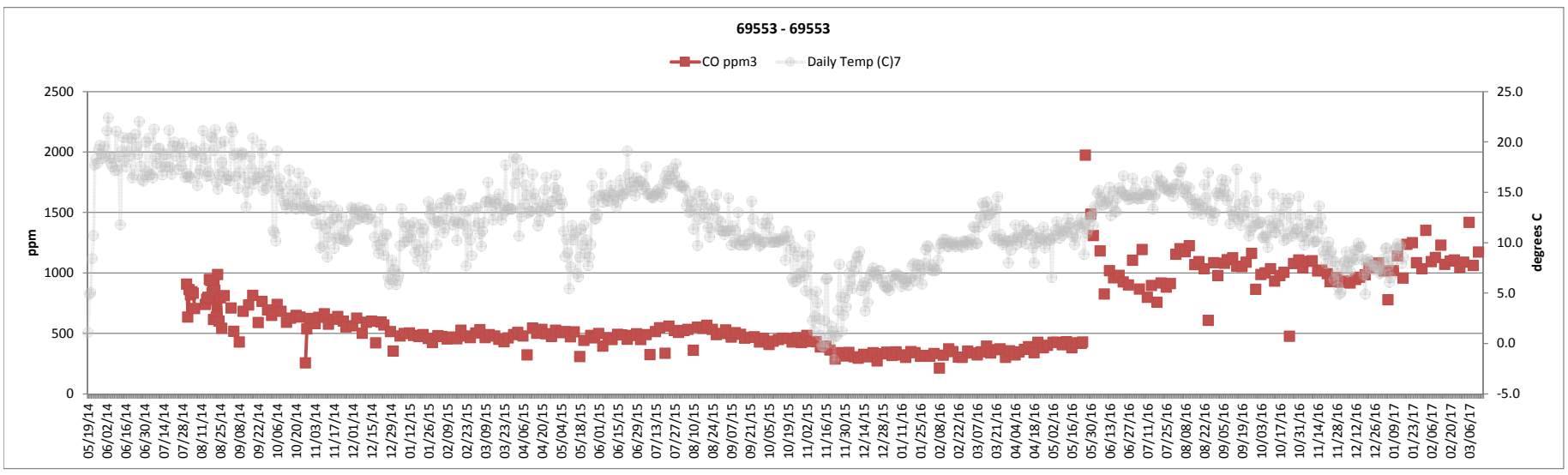


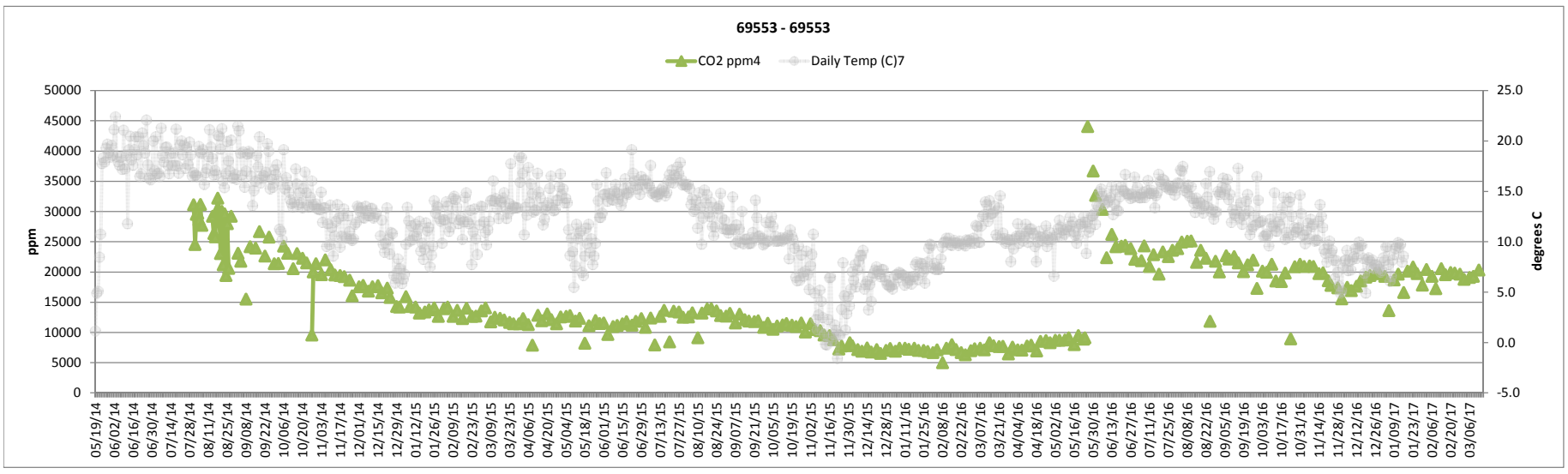


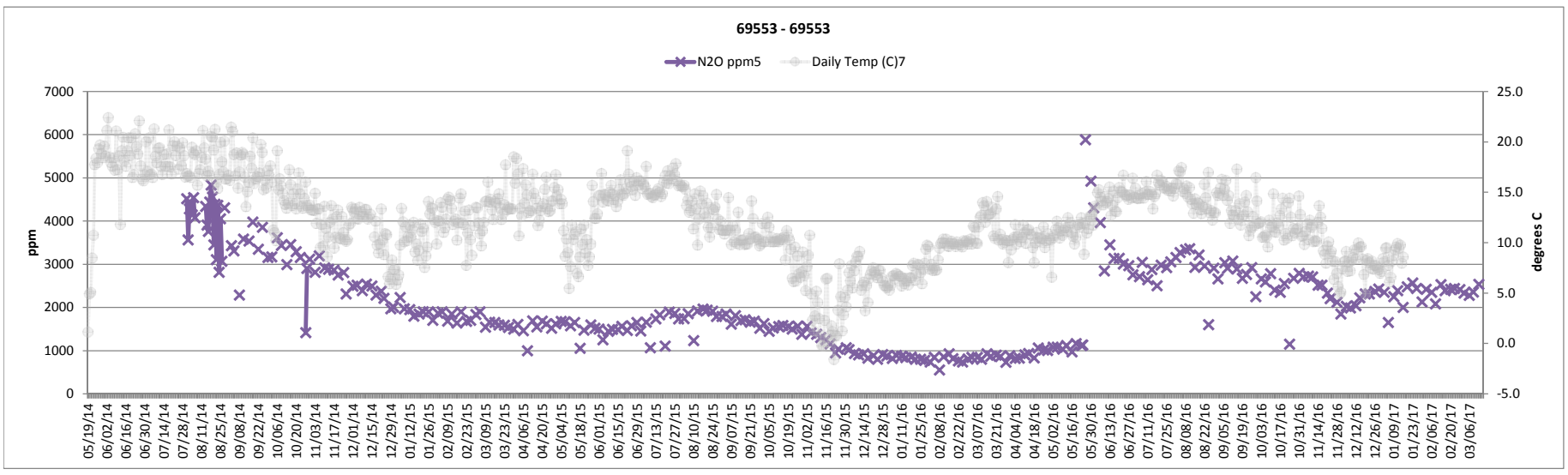


Remediated Nitrate Salt Container Headspace Gas and Temperature

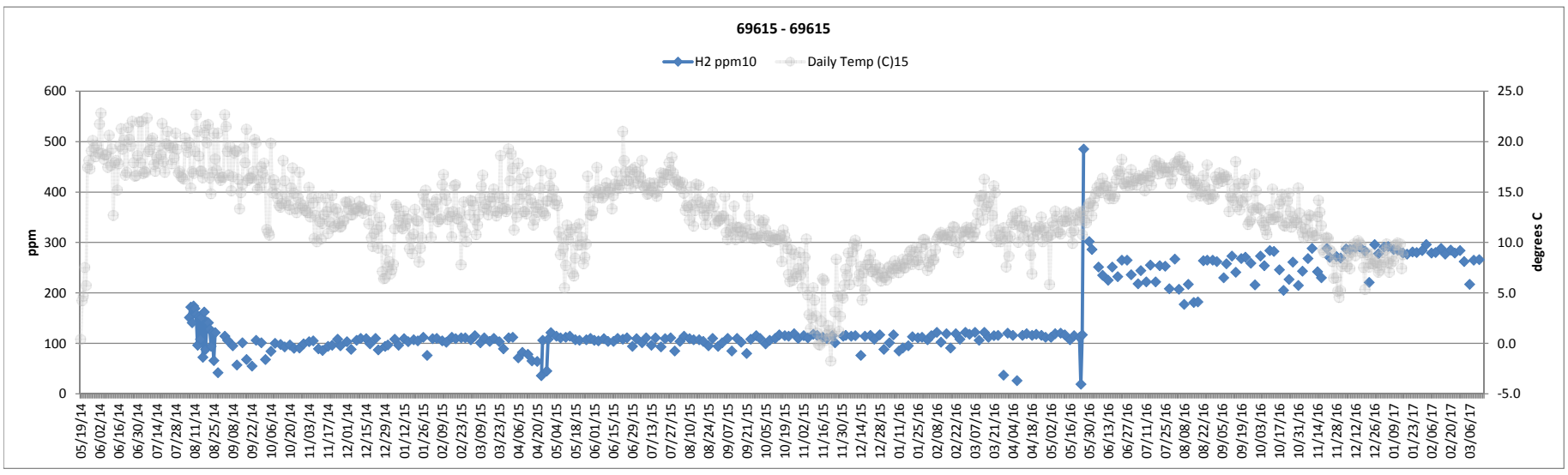


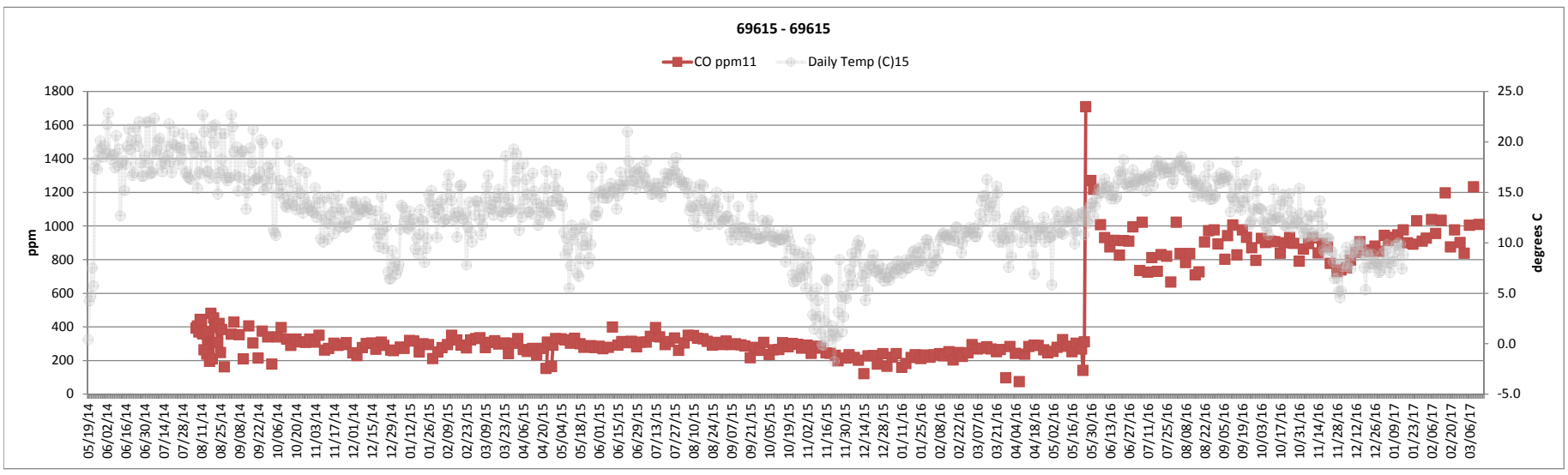


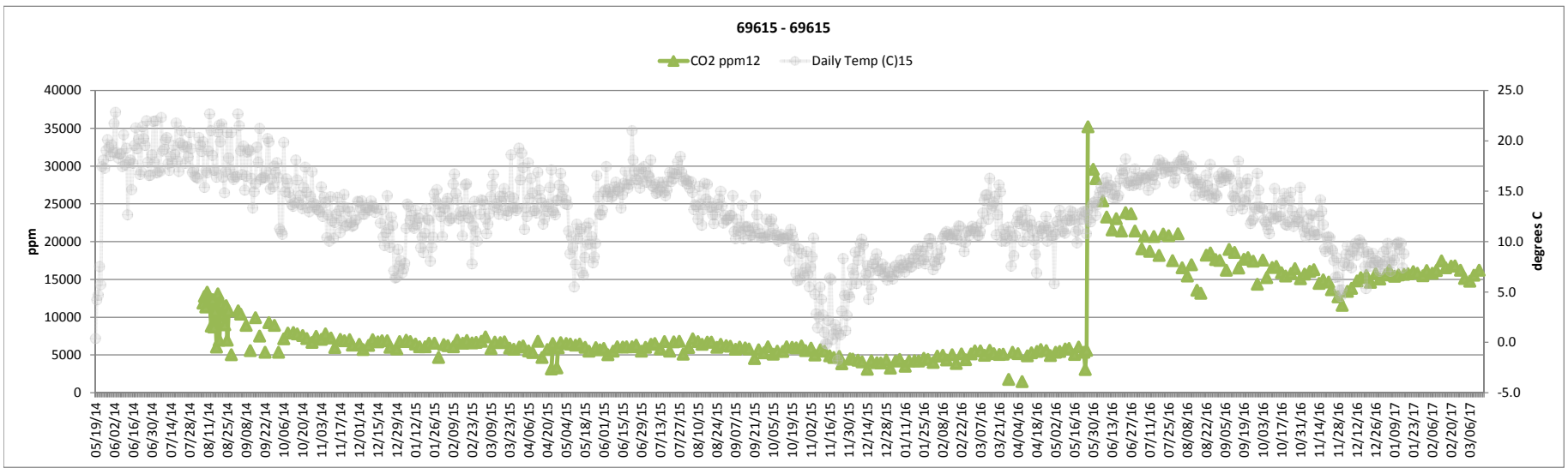


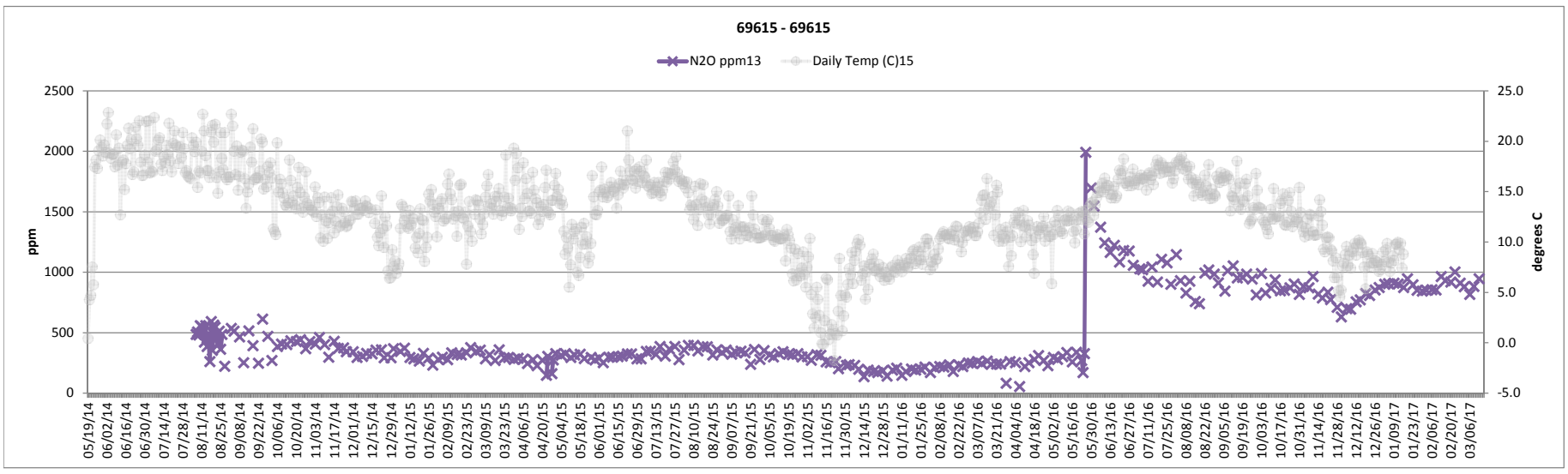


Remediated Nitrate Salt Container Headspace Gas and Temperature

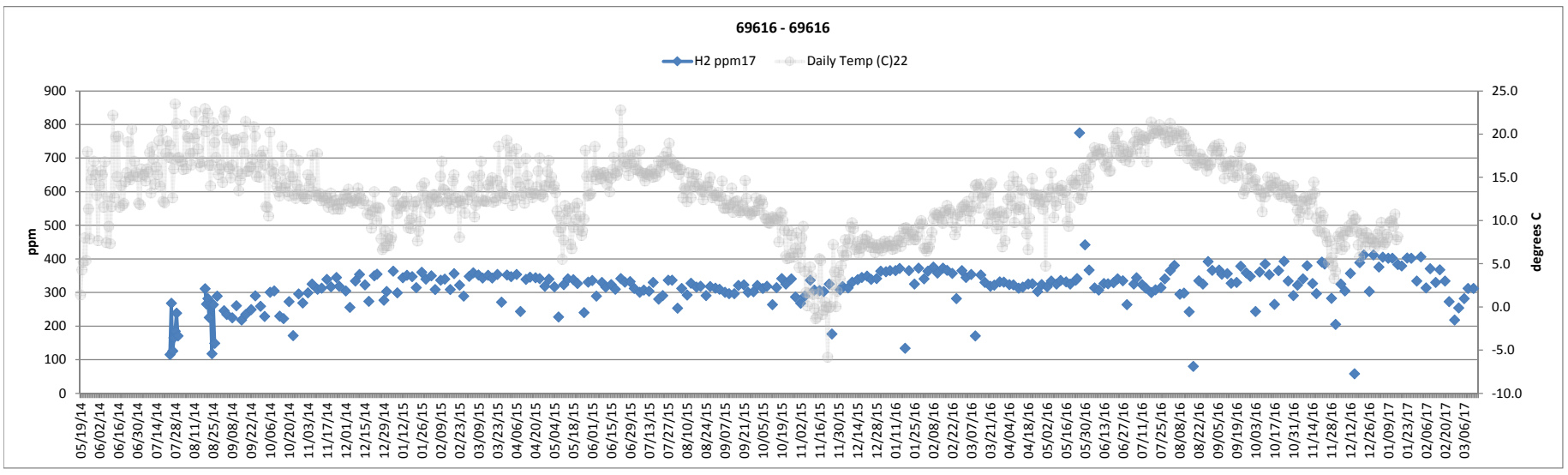


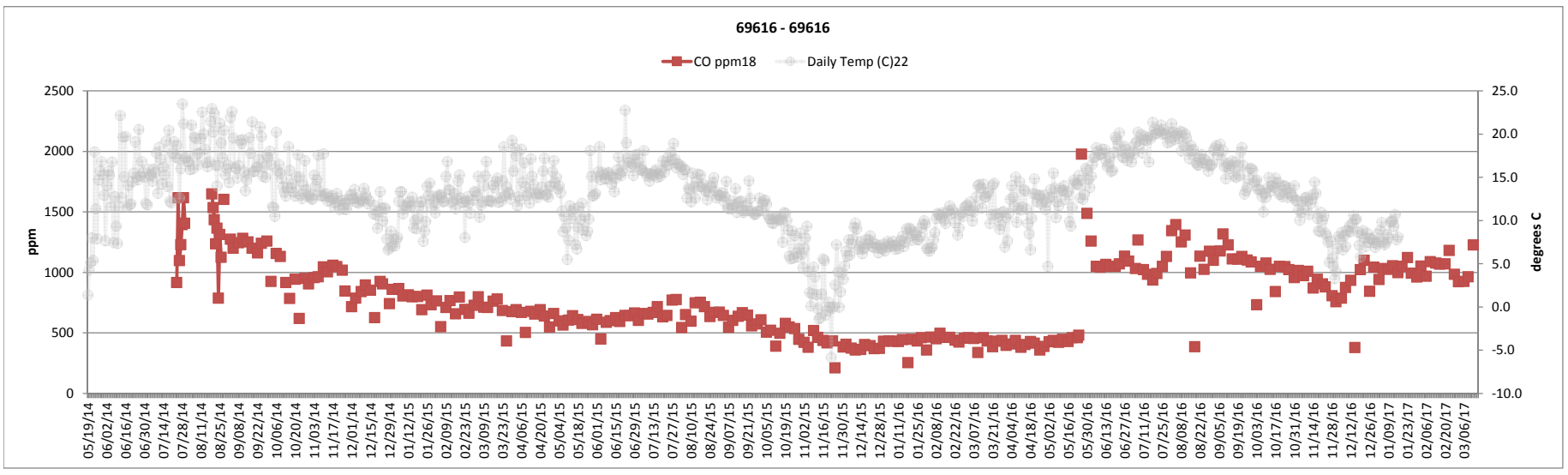


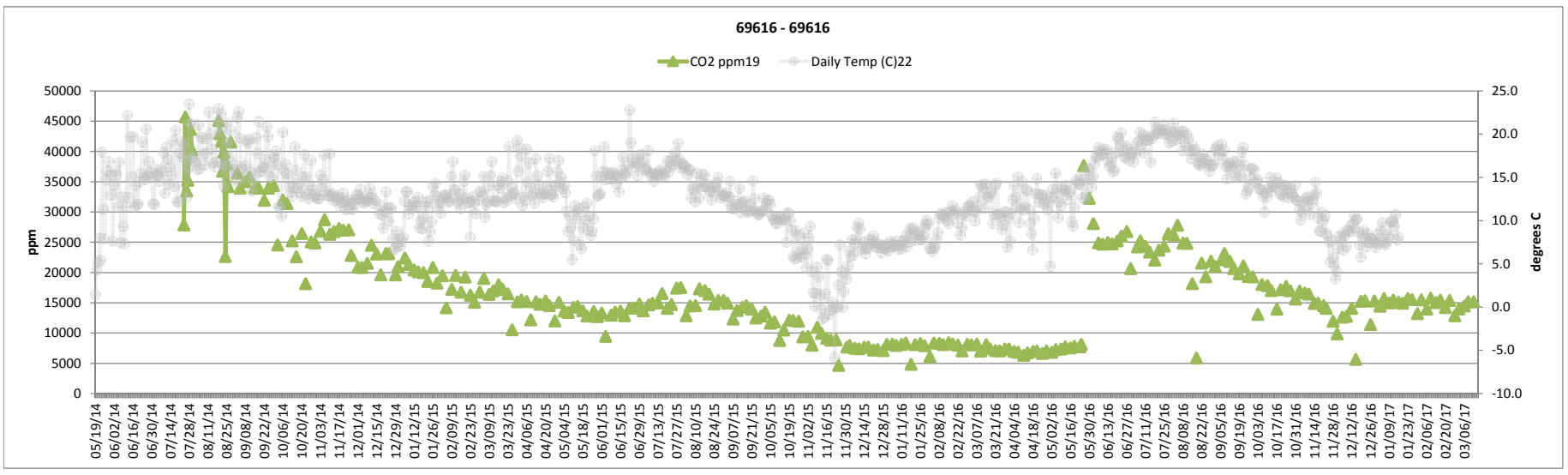


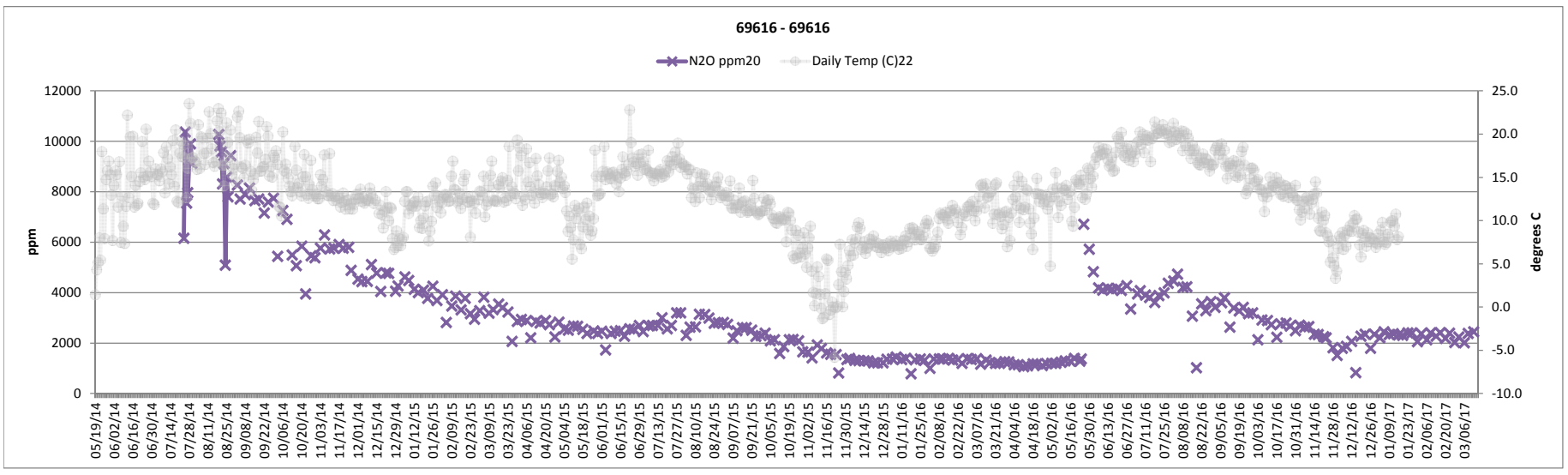


Remediated Nitrate Salt Container Headspace Gas and Temperature

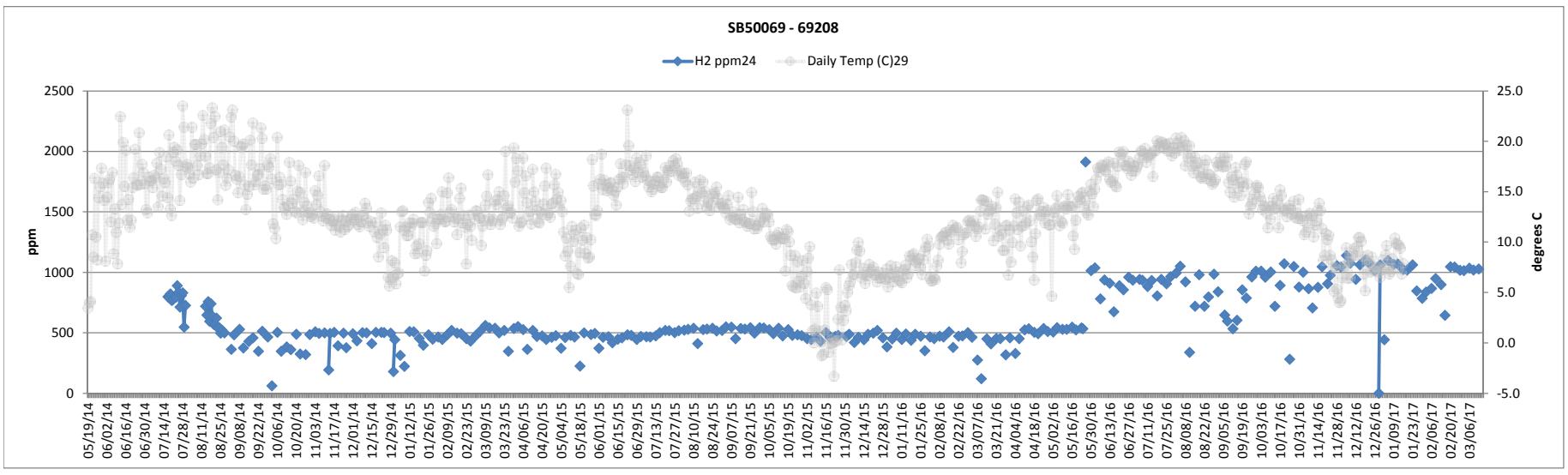


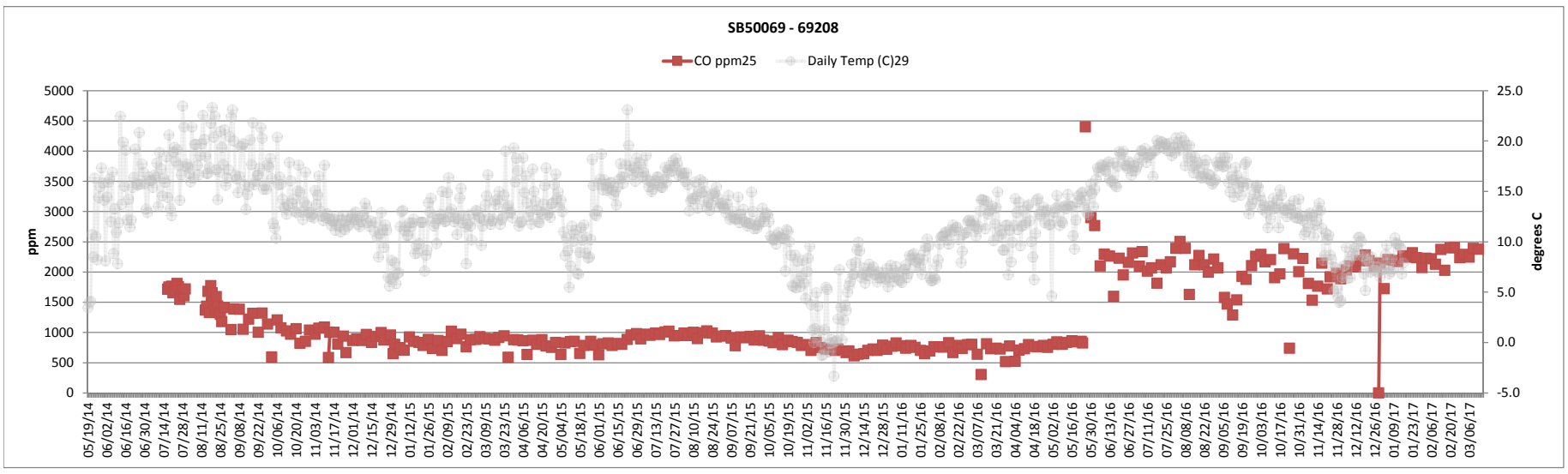


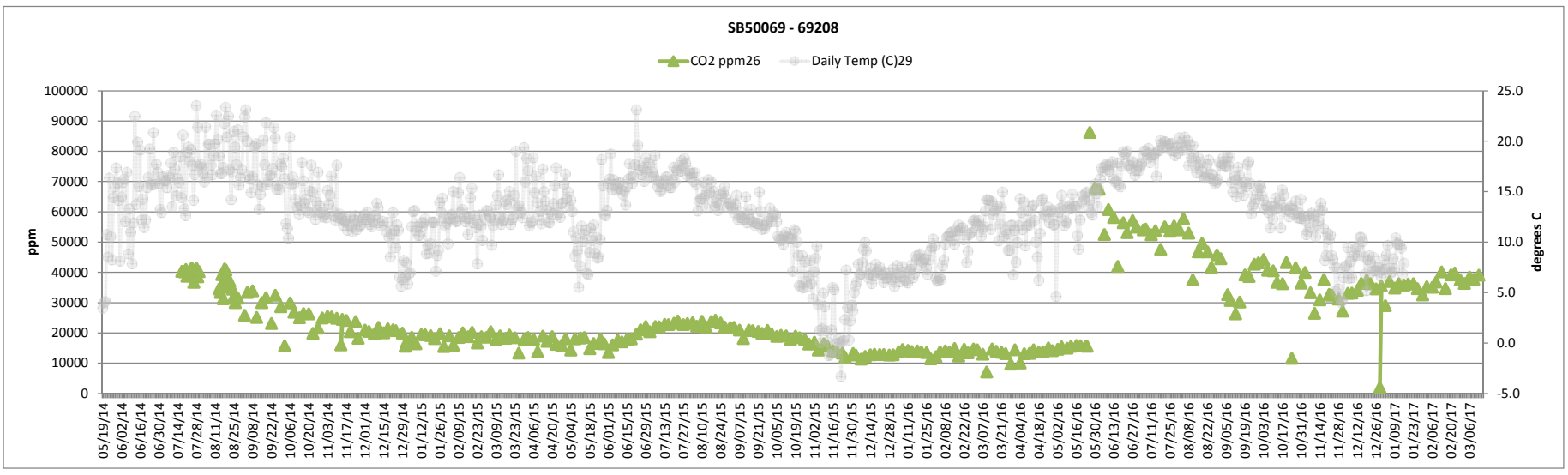


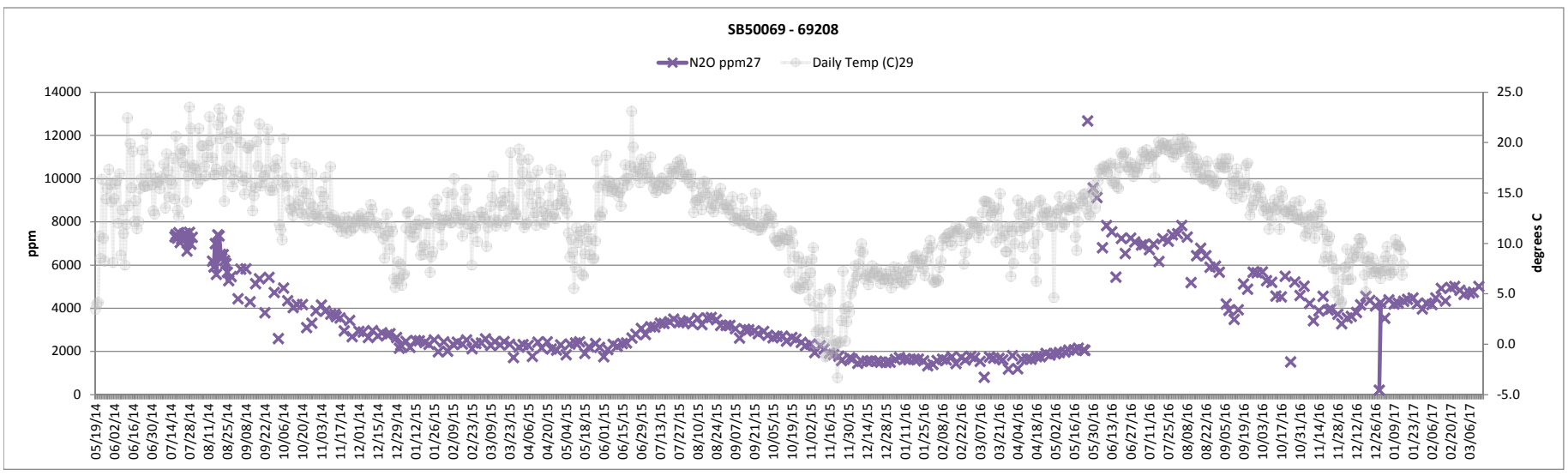


Remediated Nitrate Salt Container Headspace Gas and Temperature

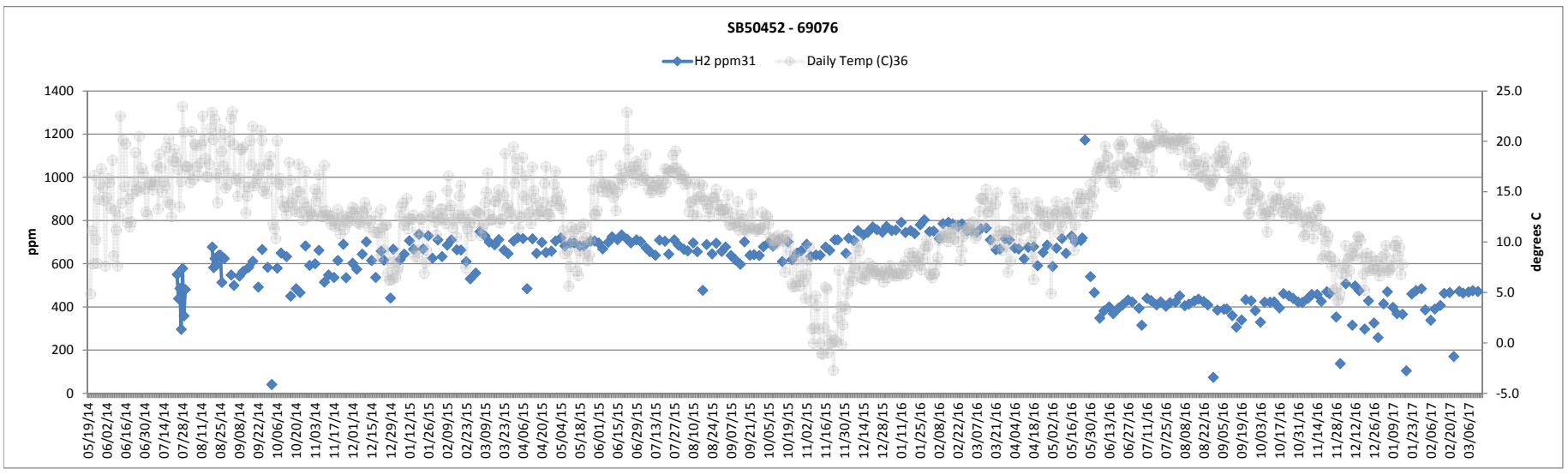


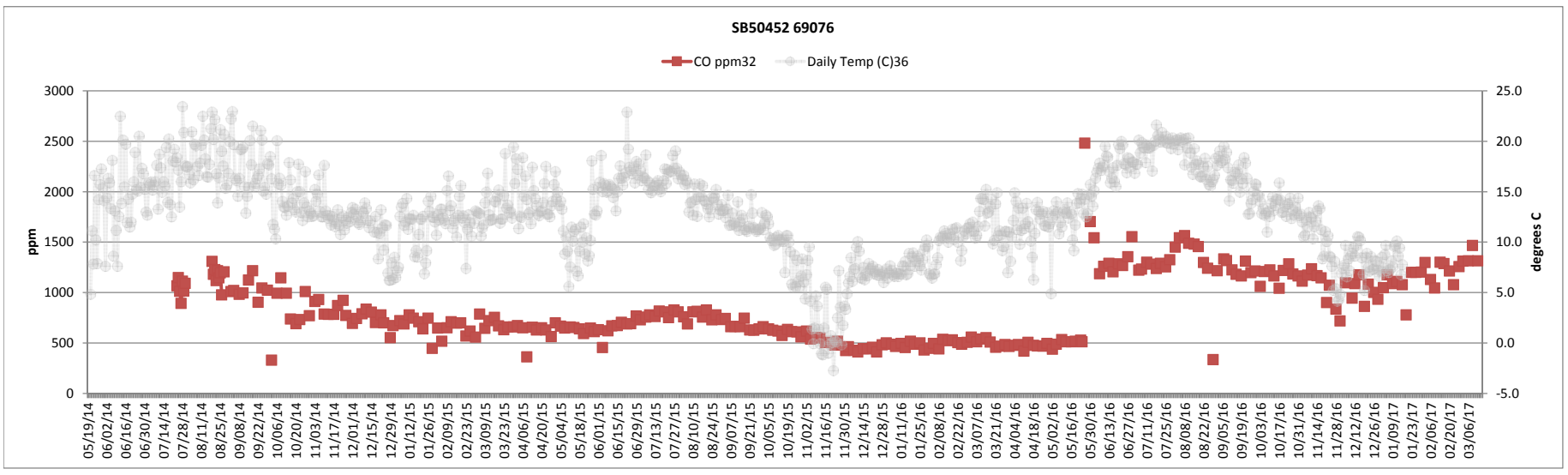


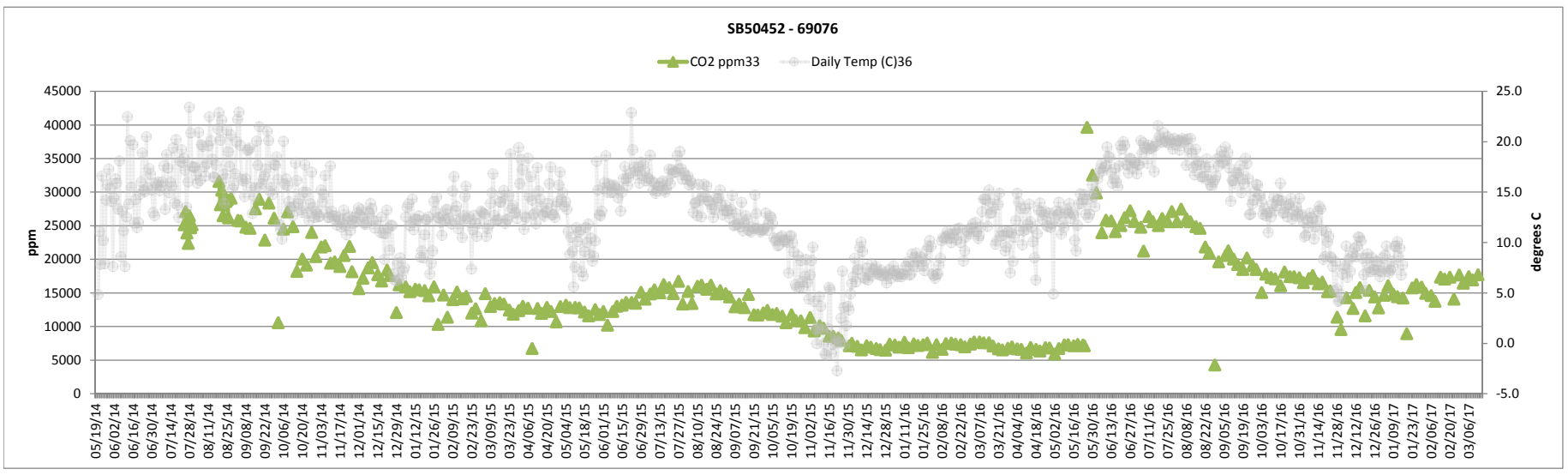


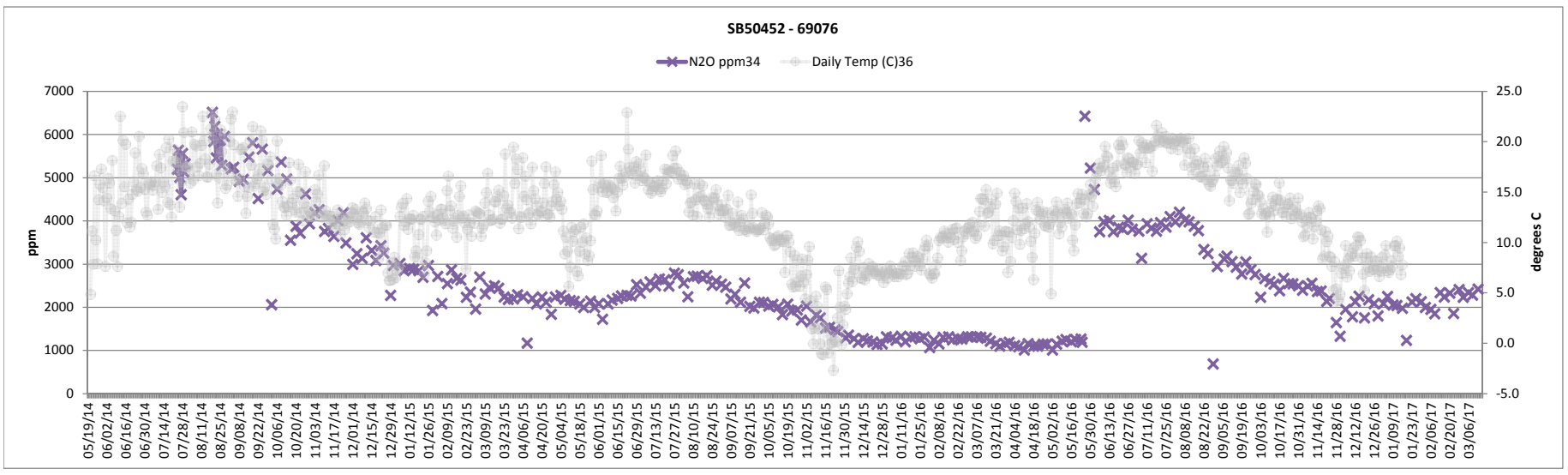


Remediated Nitrate Salt Container Headspace Gas and Temperature









ATTACHMENT 2
Page 1 of 3

WORKING COPY
Z# 124927
INITIAL QA DATE 02-13-17

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: 02-13-17/1305	Tuesday 6.[2] Date & Start Time: 02-14-17/1300	Wednesday 6.[2] Date & Start Time: 02-15-17/1305	Thursday 6.[2] Date & Start Time: 02-16-17/1304	Friday 6.[2] Date & Start Time: 02-17-17/1301	Saturday 6.[2] Date & Start Time: 02-18-17/1300	Sunday 6.[2] Date & Start Time: 02-19-17/1300
TA-54-0375 Cell 1							
Calibrated infrared thermometer (6.[3])	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 101975	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 101975	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 101975	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 101975	Brand: FLUKE Model: 561 Cal. Due Date: 06-20-17 File Number 101975	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 101975	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 101975
Ambient Temperature (6.[4])	Cell 1: 46.3 °F	Cell 1: ~~50.1~~ 50.1 2-14-17	Cell 1: 49.3 °F	Cell 1: 50.1 °F	Cell 1: 49.7 °F	Cell 1: 52.0 °F	Cell 1: 49.4 °F
($) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[5])	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT
Ambient Temperature (6.[7])	Refrig.: 33.9 °F	Refrig.: 33.5 °F	Refrig.: 33.9 °F	Refrig.: 35.2 °F	Refrig.: 34.0 °F	Refrig.: 34.4 °F	Refrig.: 34.2 °F
($) Ambient Refrig. Temp.: > 32°F and ≤ 41°F; SR 4.6.2.1, SAC 5.7.24 (6.[7])	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT

Container ID #	Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)													
68685	① ② ③ ® N/A	47.2	① ② ③ ® N/A	49.6	① ② ③ ® N/A	50.8	① ② ③ ® N/A	52.2	① ② ③ ® N/A	52.6	① ② ③ ® N/A	53.0	① ② ③ ® N/A	50.2
68540	① ② ③ ® N/A	47.1	① ② ③ ® N/A	50.2	① ② ③ ® N/A	50.6	① ② ③ ® N/A	51.5	① ② ③ ® N/A	49.3	① ② ③ ® N/A	50.7	① ② ③ ® N/A	49.9
68553	① ② ③ ® N/A	47.1	① ② ③ ® N/A	50.2	① ② ③ ® N/A	50.4	① ② ③ ® N/A	52.1	① ② ③ ® N/A	49.7	① ② ③ ® N/A	51.0	① ② ③ ® N/A	50.1
69445	① ② ③ ® N/A	47.5	① ② ③ ® N/A	49.8	① ② ③ ® N/A	50.0	① ② ③ ® N/A	52.0	① ② ③ ® N/A	50.0	① ② ③ ® N/A	52.1	① ② ③ ® N/A	51.7

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	Monday 6.[2]		Tuesday 6.[2]		Wednesday 6.[2]		Thursday 6.[2]		Friday 6.[2]		Saturday 6.[2]		Sunday 6.[2]	
TA-54-0375 Cell 1 (continued)														
Container ID #	Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)													
69618	① ② ③ ® N/A	48.3	① ② ③ ® N/A	51.3	① ② ③ ® N/A	50.7	① ② ③ ® N/A	52.3	① ② ③ ® N/A	51.6	① ② ③ ® N/A	52.9	① ② ③ ® N/A	51.3
69013	① ② ③ ® N/A	48.1	① ② ③ ® N/A	50.7	① ② ③ ® N/A	50.3	① ② ③ ® N/A	51.7	① ② ③ ® N/A	50.0	① ② ③ ® N/A	52.2	① ② ③ ® N/A	49.9
69076	① ② ③ ® N/A	48.0	① ② ③ ® N/A	50.2	① ② ③ ® N/A	50.1	① ② ③ ® N/A	51.5	① ② ③ ® N/A	53.3	① ② ③ ® N/A	51.4	① ② ③ ® N/A	50.0
69490	① ② ③ ® N/A	47.6	① ② ③ ® N/A	50.1	① ② ③ ® N/A	50.4	① ② ③ ® N/A	51.1	① ② ③ ® N/A	49.9	① ② ③ ® N/A	49.9	① ② ③ ® N/A	50.0
69280	① ② ③ ® N/A	44.5	① ② ③ ® N/A	50.3	① ② ③ ® N/A	50.5	① ② ③ ® N/A	51.6	① ② ③ ® N/A	49.9	① ② ③ ® N/A	50.5	① ② ③ ® N/A	49.9
69208	① ② ③ ® N/A	47.6	① ② ③ ® N/A	50.6	① ② ③ ® N/A	49.8	① ② ③ ® N/A	50.8	① ② ③ ® N/A	48.3	① ② ③ ® N/A	50.8	① ② ③ ® N/A	49.9
69079	① ② ③ ® N/A	47.6	① ② ③ ® N/A	50.3	① ② ③ ® N/A	50.1	① ② ③ ® N/A	51.2	① ② ③ ® N/A	50.0	① ② ③ ® N/A	50.7	① ② ③ ® N/A	49.9
69636	① ② ③ ® N/A	47.9	① ② ③ ® N/A	50.4	① ② ③ ® N/A	50.4	① ② ③ ® N/A	51.2	① ② ③ ® N/A	51.2	① ② ③ ® N/A	50.8	① ② ③ ® N/A	51.6
69616	① ② ③ ® N/A	47.9	① ② ③ ® N/A	50.3	① ② ③ ® N/A	50.6	① ② ③ ® N/A	51.2	① ② ③ ® N/A	49.4	① ② ③ ® N/A	51.5	① ② ③ ® N/A	50.0
69417	N/A	-	N/A	0	N/A		N/A		N/A		N/A		N/A	
69620	① ② ③ ® N/A	48.1	① ② ③ ® N/A	50.4	① ② ③ ® N/A	50.5	① ② ③ ® N/A	51.4	① ② ③ ® N/A	50.0	① ② ③ ® N/A	50.6	① ② ③ ® N/A	50.2
69520	① ② ③ ® N/A	48.2	① ② ③ ® N/A	50.4	① ② ③ ® N/A	50.3	① ② ③ ® N/A	51.2	① ② ③ ® N/A	49.7	① ② ③ ® N/A	50.5	① ② ③ ® N/A	50.3
69641	① ② ③ ® N/A	48.2	① ② ③ ® N/A	50.5	① ② ③ ® N/A	50.6	① ② ③ ® N/A	51.6	① ② ③ ® N/A	50.4	① ② ③ ® N/A	50.8	① ② ③ ® N/A	51.1
69298	① ② ③ ® N/A	48.0	① ② ③ ® N/A	50.3	① ② ③ ® N/A	50.6	① ② ③ ® N/A	51.5	① ② ③ ® N/A	51.1	① ② ③ ® N/A	50.9	① ② ③ ® N/A	49.8
92669	① ② ③ ® N/A	48.0	① ② ③ ® N/A	50.7	① ② ③ ® N/A	50.5	① ② ③ ® N/A	51.3	① ② ③ ® N/A	49.8	① ② ③ ® N/A	50.6	① ② ③ ® N/A	49.6
End Time (6.[16])	1309		1308		QA 02-15-17 ~~1305~~ 1310		1310		1305		1304		1304	
Initial (6.[16])	WO: QA WO: LM		WO: FA WO: LM		WO: LM WO: QA		WO: QA WO: FA		WO: MZ WO: EP		WO: MZ WO: EP		WO: MZ WO: EP	

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Comments:

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
Leon Montoya		191526	02-13-17
Tina Aguirre		174977	02-13-17
Leon Montoya		191526	02-14-17
Fabian Anaya		174963	02-14-17
Leon Montoya		191526	02-15-17
Tina Aguirre		174977	02-15-17
Fabian Anaya		174963	02-16-17
Tina Aguirre		174977	02-16-17
MATTHEW ZOCCO		311676	02-17-17
Edward Pacheco		100447	02-17-17
MATTHEW ZOCCO		311676	02-18-17
Edward Pacheco		100447	02-18-17
Edward Pacheco		100447	02-19-17
MATTHEW ZOCCO		311676	02-19-17

9.1[2] Reviewed by:

SOM (print)	Signature	Z#	Date

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

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

	Monday 6.[2] Date & Start Time: 02-13-17/1310	Tuesday 6.[2] Date & Start Time: 02-14-17/1309	Wednesday 6.[2] Date & Start Time: 02-15-17/1311	Thursday 6.[2] Date & Start Time: 02-16-17/1311	Friday 6.[2] Date & Start Time: 02-17-17/1306	Saturday 6.[2] Date & Start Time: 02-18-17/1305	Sunday 6.[2] Date & Start Time: 02-19-17/1305
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: 06-2017 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: 06-2017 File Number 101975	Brand: Fluke Model: 561 Cal. Due Date 06-20-17 File Number 101975	Brand: Fluke Model: 561 Cal. Due Date: 06-2017 File Number 101975
Ambient Temperature (6.[4])	Cell 2: 47.5 °F	Cell 2: 50.1 °F	Cell 2: 49.4 °F	Cell 2: 51.9 °F	Cell 2: 50.4 °F	Cell 2: 50.2 °F	Cell 2: 50.2 °F
($) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[5])	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT
Container ID #	Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)						
68408	① ② ③ ® N/A	47.0	① ② ③ ® N/A	49.2	① ② ③ ® N/A	48.7	① ② ③ ® N/A	49.6	① ② ③ ® N/A	48.8	① ② ③ ® N/A	50.2	① ② ③ ® N/A	50.2
68638	① ② ③ ® N/A	46.9	① ② ③ ® N/A	49.7	① ② ③ ® N/A	49.3	① ② ③ ® N/A	49.3	① ② ③ ® N/A	50.5	① ② ③ ® N/A	50.1	① ② ③ ® N/A	50.1
69615	① ② ③ ® N/A	48.3	① ② ③ ® N/A	50.0	① ② ③ ® N/A	49.7	① ② ③ ® N/A	50.5	① ② ③ ® N/A	50.3	① ② ③ ® N/A	49.8	① ② ③ ® N/A	50.1
69635	① ② ③ ® N/A	47.8	① ② ③ ® N/A	50.1	① ② ③ ® N/A	49.9	① ② ③ ® N/A	50.1	① ② ③ ® N/A	51.8	① ② ③ ® N/A	51.4	① ② ③ ® N/A	51.3
69642	① ② ③ ® N/A	48.0	① ② ③ ® N/A	50.4	① ② ③ ® N/A	50.5	① ② ③ ® N/A	50.9	① ② ③ ® N/A	50.7	① ② ③ ® N/A	50.0	① ② ③ ® N/A	50.2
69630	① ② ③ ® N/A	48.0	① ② ③ ® N/A	50.5	① ② ③ ® N/A	50.0	① ② ③ ® N/A	50.2	① ② ③ ® N/A	50.2	① ② ③ ® N/A	49.6	① ② ③ ® N/A	50.1
69633	① ② ③ ® N/A	47.7	① ② ③ ® N/A	50.0	① ② ③ ® N/A	49.7	① ② ③ ® N/A	50.4	① ② ③ ® N/A	50.2	① ② ③ ® N/A	50.5	① ② ③ ® N/A	50.1
68430	① ② ③ ® N/A	47.3	① ② ③ ® N/A	50.2	① ② ③ ® N/A	49.5	① ② ③ ® N/A	49.0	① ② ③ ® N/A	49.8	① ② ③ ® N/A	49.2	① ② ③ ® N/A	49.8
68631	① ② ③ ® N/A	47.0	① ② ③ ® N/A	49.2	① ② ③ ® N/A	49.6	① ② ③ ® N/A	49.2	① ② ③ ® N/A	49.7	① ② ③ ® N/A	49.3	① ② ③ ® N/A	49.8
68567	① ② ③ ® N/A	46.3	① ② ③ ® N/A	49.0	① ② ③ ® N/A	48.6	① ② ③ ® N/A	48.7	① ② ③ ® N/A	50.5	① ② ③ ® N/A	50.4	① ② ③ ® N/A	50.4
69634	① ② ③ ® N/A	46.8	① ② ③ ® N/A	49.3	① ② ③ ® N/A	48.8	① ② ③ ® N/A	49.8	① ② ③ ® N/A	49.0	① ② ③ ® N/A	49.1	① ② ③ ® N/A	49.6

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	Monday 6.[2]		Tuesday 6.[2]		Wednesday 6.[2]		Thursday 6.[2]		Friday 6.[2]		Saturday 6.[2]		Sunday 6.[2]	
TA-54-0375 Cell 2 (continued)														
Container ID #	Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)													
94227	① ✓ ③ ® N/A	46.6	① ✓ ③ ® N/A	49.5	① ✓ ③ ® N/A	49.4	① ✓ ③ ® N/A	49.2	① ✓ ③ ® N/A	49.0	① ✓ ③ ® N/A	50.6	① ✓ ③ ® N/A	51.4
68648	① ✓ ③ ® N/A	46.8	① ✓ ③ ® N/A	50.0	① ✓ ③ ® N/A	49.4	① ✓ ③ ® N/A	50.0	① ✓ ③ ® N/A	48.9	① ✓ ③ ® N/A	49.3	① ✓ ③ ® N/A	49.7
69644	① ✓ ③ ® N/A	47.3	① ✓ ③ ® N/A	49.8	① ✓ ③ ® N/A	49.5	① ✓ ③ ® N/A	48.8	① ✓ ③ ® N/A	49.8	① ✓ ③ ® N/A	49.6	① ✓ ③ ® N/A	51.0
69183	① ✓ ③ ® N/A	47.6	① ✓ ③ ® N/A	49.5	① ✓ ③ ® N/A	49.4	① ✓ ③ ® N/A	49.6	① ✓ ③ ® N/A	49.4	① ✓ ③ ® N/A	49.6	① ✓ ③ ® N/A	49.6
69638	① ✓ ③ ® N/A	47.8	① ✓ ③ ® N/A	49.9	① ✓ ③ ® N/A	49.7	① ✓ ③ ® N/A	50.0	① ✓ ③ ® N/A	50.9	① ✓ ③ ® N/A	49.7	① ✓ ③ ® N/A	50.0
68624	① ✓ ③ ® N/A	47.5	① ✓ ③ ® N/A	50.1	① ✓ ③ ® N/A	49.5	① ✓ ③ ® N/A	50.2	① ✓ ③ ® N/A	50.2	① ✓ ③ ® N/A	51.3	① ✓ ③ ® N/A	51.3
68507	① ✓ ③ ® N/A	47.3	① ✓ ③ ® N/A	49.6	① ✓ ③ ® N/A	49.4	① ✓ ③ ® N/A	49.1	① ✓ ③ ® N/A	49.6	① ✓ ③ ® N/A	49.6	① ✓ ③ ® N/A	49.8
69568	① ✓ ③ ® N/A	46.8	① ✓ ③ ® N/A	49.5	① ✓ ③ ® N/A	49.3	① ✓ ③ ® N/A	49.4	① ✓ ③ ® N/A	50.9	① ✓ ③ ® N/A	49.3	① ✓ ③ ® N/A	49.6
69553	① ✓ ③ ® N/A	46.9	① ✓ ③ ® N/A	49.5	① ✓ ③ ® N/A	49.3	① ✓ ③ ® N/A	49.0	① ✓ ③ ® N/A	48.7	① ✓ ③ ® N/A	50.4	① ✓ ③ ® N/A	50.8
69598	① ✓ ③ ® N/A	47.2	① ✓ ③ ® N/A	49.4	① ✓ ③ ® N/A	48.8	① ✓ ③ ® N/A	49.1	① ✓ ③ ® N/A	48.7	① ✓ ③ ® N/A	48.8	① ✓ ③ ® N/A	49.4
92472	① ✓ ③ ® N/A	47.1	① ✓ ③ ® N/A	49.4	① ✓ ③ ® N/A	49.1	① ✓ ③ ® N/A	49.1	① ✓ ③ ® N/A	51.0	① ✓ ③ ® N/A	49.8	① ✓ ③ ® N/A	49.7
92459	① ✓ ③ ® N/A	47.1	① ✓ ③ ® N/A	49.8	① ✓ ③ ® N/A	48.9	① ✓ ③ ® N/A	49.1	① ✓ ③ ® N/A	50.2	① ✓ ③ ® N/A	49.3	① ✓ ③ ® N/A	49.7
69015	① ✓ ③ ® N/A	47.0	① ✓ ③ ® N/A	49.6	① ✓ ③ ® N/A	49.5	① ✓ ③ ® N/A	49.3	① ✓ ③ ® N/A	50.7	① ✓ ③ ® N/A	49.3	① ✓ ③ ® N/A	51.3
69639	① ✓ ③ ® N/A	47.5	① ✓ ③ ® N/A	49.9	① ✓ ③ ® N/A	49.5	① ✓ ③ ® N/A	49.4	① ✓ ③ ® N/A	49.9	① ✓ ③ ® N/A	49.8	① ✓ ③ ® N/A	50.9
69637	① ✓ ③ ® N/A	48.3	① ✓ ③ ® N/A	49.9	① ✓ ③ ® N/A	49.8	① ✓ ③ ® N/A	50.6	① ✓ ③ ® N/A	50.4	① ✓ ③ ® N/A	49.7	① ✓ ③ ® N/A	49.7
End Time (6.[16])	1314		1316		1316		1316		1311		1311		1312	
Initial (6.[16])	WO: QA WO: LM		WO: FA WO: LM		WO: LM WO: QA		WO: QA WO: FA		WO: MZ WO: EP		WO: MZ WO: EP		WO: MZ WO: EP	

ATTACHMENT 3
Page 3 of 3

Comments:

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
Leon Montoya		191526	02-13-17
Tina Aguirre		124977	02-13-17
Leon Montoya		191526	02-14-17
Fabian Anaya		174903	02-14-17
Leon Montoya		191526	02-15-17
Tina Aguirre		124977	02-15-17
Fabian Anaya		174903	02-16-17
Tina Aguirre		124977	02-16-17
MATTHEW ZOCCO		311676	02-17-17
Edward Pacheco		100497	02-17-17
Edward Pacheco		100497	02-18-17
~~Edward Pacheco~~	~~Edward Pacheco~~	~~100497~~	~~02-~~
MATTHEW ZOCCO		311676	02-18-17
Edward Pacheco		100497	02-19-17
MATTHEW ZOCCO		311676	02-19-17

9.1[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: 02-13-17/1315	Tuesday 6.[2] Date & Start Time: 02-14-17/1317	Wednesday 6.[2] Date & Start Time: 02-15-17/1317	Thursday 6.[2] Date & Start Time: 02-16-17/1316	Friday 6.[2] Date & Start Time: 02-17-17/1312	Saturday 6.[2] Date & Start Time: 02-18-17/1312	Sunday 6.[2] Date & Start Time: 02-19-17/1313
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: 45.5 °F	Cell 3: 49.6 °F	Cell 3: 49.7 °F	Cell 3: 48.7 °F	Cell 3: 50.1 °F	Cell 3: 50.5 °F	Cell 3: 49.0 °F
(S) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[5])	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT

Container ID #	Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)													
69519	① ② ③ ® N/A	45.0	① ② ③ ® N/A	48.9	① ② ③ ® N/A	48.3	① ② ③ ® N/A	48.8	① ② ③ ® N/A	51.4	① ② ③ ® N/A	50.9	① ② ③ ® N/A	48.6
69645	① ② ③ ® N/A	45.5	① ② ③ ® N/A	49.4	① ② ③ ® N/A	49.0	① ② ③ ® N/A	49.1	① ② ③ ® N/A	48.8	① ② ③ ® N/A	50.1	① ② ③ ® N/A	49.2
94068	① ② ③ ® N/A	45.7	① ② ③ ® N/A	49.9	① ② ③ ® N/A	49.9	① ② ③ ® N/A	49.2	① ② ③ ® N/A	49.9	① ② ③ ® N/A	50.0	① ② ③ ® N/A	49.9
93605	① ② ③ ® N/A	45.6	① ② ③ ® N/A	50.5	① ② ③ ® N/A	49.6	① ② ③ ® N/A	50.1	① ② ③ ® N/A	49.5	① ② ③ ® N/A	50.0	① ② ③ ® N/A	51.1
69548	① ② ③ ® N/A	46.0	① ② ③ ® N/A	50.7	① ② ③ ® N/A	49.7	① ② ③ ® N/A	49.8	① ② ③ ® N/A	50.2	① ② ③ ® N/A	52.1	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	45.6	① ② ③ ® N/A	50.0	① ② ③ ® N/A	49.0	① ② ③ ® N/A	49.9	① ② ③ ® N/A	51.0	① ② ③ ® N/A	51.0	① ② ③ ® N/A	49.6
68665	① ② ③ ® N/A	45.3	① ② ③ ® N/A	50.7	① ② ③ ® N/A	48.7	① ② ③ ® N/A	48.2	① ② ③ ® N/A	48.1	① ② ③ ® N/A	50.1	① ② ③ ® N/A	50.9
69595	① ② ③ ® N/A	45.4	① ② ③ ® N/A	49.1	① ② ③ ® N/A	48.7	① ② ③ ® N/A	48.5	① ② ③ ® N/A	48.6	① ② ③ ® N/A	49.6	① ② ③ ® N/A	48.8
69036	① ② ③ ® N/A	45.1	① ② ③ ® N/A	50.1	① ② ③ ® N/A	48.3	① ② ③ ® N/A	49.4	① ② ③ ® N/A	51.1	① ② ③ ® N/A	50.2	① ② ③ ® N/A	50.2
69361	① ② ③ ® N/A	44.5	① ② ③ ® N/A	50.1	① ② ③ ® N/A	48.5	① ② ③ ® N/A	48.8	① ② ③ ® N/A	49.2	① ② ③ ® N/A	50.6	① ② ③ ® N/A	50.8
69559	① ② ③ ® N/A	46.2	① ② ③ ® N/A	49.6	① ② ③ ® N/A	49.0	① ② ③ ® N/A	49.5	① ② ③ ® N/A	49.1	① ② ③ ® N/A	50.3	① ② ③ ® N/A	49.5
69491	① ② ③ ® N/A	45.6	① ② ③ ® N/A	49.3	① ② ③ ® N/A	49.3	① ② ③ ® N/A	49.1	① ② ③ ® N/A	50.3	① ② ③ ® N/A	50.1	① ② ③ ® N/A	49.6
87827	① ② ③ ® N/A	46.2	① ② ③ ® N/A	50.7	① ② ③ ® N/A	50.1	① ② ③ ® N/A	50.3	① ② ③ ® N/A	49.9	① ② ③ ® N/A	52.0	① ② ③ ® N/A	49.5
87826	① ② ③ ® N/A	46.1	① ② ③ ® N/A	50.7	① ② ③ ® N/A	50.7	① ② ③ ® N/A	50.5	① ② ③ ® N/A	51.2	① ② ③ ® N/A	50.5	① ② ③ ® N/A	50.1
87823	① ② ③ ® N/A	46.0	① ② ③ ® N/A	50.2	① ② ③ ® N/A	50.0	① ② ③ ® N/A	50.5	① ② ③ ® N/A	49.3	① ② ③ ® N/A	51.3	① ② ③ ® N/A	49.9
87825	① ② ③ ® N/A	45.9	① ② ③ ® N/A	50.2	① ② ③ ® N/A	49.9	① ② ③ ® N/A	50.5	① ② ③ ® N/A	51.3	① ② ③ ® N/A	51.0	① ② ③ ® N/A	50.7
End Time (6.[16])	1318		1323		1321		1320		1317		1315		1317	
Initial (6.[16])	WO: QA WO: LM		WO: FA WO: LM		WO: LM WO: QA		WO: QA WO: FA		WO: MZ WO: EP		WO: MZ WO: EP		WO: MZ WO: EP	

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Comments:

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
Leon Montoya		191526	02-13-17
Tina Aguirre		174977	02-13-17
Leon Montoya		191526	02-14-17
Fabian Anaya		174963	02-14-17
Leon Montoya		191526	02-15-17
Tina Aguirre		174977	02-15-17
Fabian Anaya		174963	02-16-17
Tina Aguirre		174977	02-16-17
MATTHEW ZOCCO		311676	02-17-17
Edward Pacheco		100497	02-17-17
MATTHEW ZOCCO		311676	02-18-17
Edward Pacheco		100497	02-18-17
MATTHEW ZOCCO		311676	02-19-17
Edward Pacheco		100497	02-19-17

9.1[2] Reviewed by:

SOM (print)	Signature	Z#	Date

ATTACHMENT 2
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WORKING COPY
Z# 100497
INITIAL ZP DATE 02-20-2017

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

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

	Monday 6.[2] Date & Start Time: 02-20-2017/1300	Tuesday 6.[2] Date & Start Time: 02-21-2017/1300	Wednesday 6.[2] Date & Start Time: 02-22-2017/1300	Thursday 6.[2] Date & Start Time: 02-23-17/1300	Friday 6.[2] Date & Start Time: 02-24-17/1300	Saturday 6.[2] Date & Start Time: 02-25-17/1300	Sunday 6.[2] Date & Start Time: 02-26-17/1300
TA-54-0375 Cell 1							
Calibrated infrared thermometer (6.[3])	Brand: Fluke Model: 561 Cal. Due Date: 06-20-2017 File Number 101975	Brand: FLUKE Model: 561 Cal. Due Date: 06-20-2017 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: 51.5 °F	Cell 1: 53.2 °F	Cell 1: 51.2 °F	Cell 1: 49.9 °F	Cell 1: 46.0 °F	Cell 1: 46.3 °F	Cell 1: 44.8 °F
($) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[5])	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT
Ambient Temperature (6.[7])	Refrig.: 34.4 °F	Refrig.: 34.3 °F	Refrig.: 33.3 °F	Refrig.: 33.6 °F	Refrig.: 34.4 °F	Refrig.: 34.6 °F	Refrig.: 34.1 °F
($) 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	55.0	① ② ③ ® N/A	56.2	① ② ③ ® N/A	57.4	① ② ③ ® N/A	49.7	① ② ③ ® N/A	46.8	① ② ③ ® N/A	47.4	① ② ③ ® N/A	46.2
68540	① ② ③ ® N/A	52.0	① ② ③ ® N/A	53.9	① ② ③ ® N/A	51.4	① ② ③ ® N/A	50.1	① ② ③ ® N/A	47.3	① ② ③ ® N/A	47.8	① ② ③ ® N/A	46.6
68553	① ② ③ ® N/A	52.1	① ② ③ ® N/A	54.1	① ② ③ ® N/A	52.0	① ② ③ ® N/A	50.5	① ② ③ ® N/A	47.9	① ② ③ ® N/A	48.6	① ② ③ ® N/A	47.0
69445	① ② ③ ® N/A	53.2	① ② ③ ® N/A	53.7	① ② ③ ® N/A	51.5	① ② ③ ® N/A	50.6	① ② ③ ® N/A	47.6	① ② ③ ® N/A	47.5	① ② ③ ® N/A	47.0

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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 1 (continued)														
Container ID #	Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)													
69618	✓ ② ③ ® N/A	51.4	✓ ② ③ ® N/A	54.0	✓ ② ③ ® N/A	51.8	✓ ② ③ ® N/A	50.3	✓ ② ③ ® N/A	48.2	✓ ② ③ ® N/A	48.0	✓ ② ③ ® N/A	47.5
69013	✓ ② ③ ® N/A	51.4	✓ ② ③ ® N/A	53.6	✓ ② ③ ® N/A	51.0	✓ ② ③ ® N/A	50.1	✓ ② ③ ® N/A	47.6	✓ ② ③ ® N/A	48.2	✓ ② ③ ® N/A	46.5
69076	✓ ② ③ ® N/A	51.3	✓ ② ③ ® N/A	53.2	✓ ② ③ ® N/A	50.7	✓ ② ③ ® N/A	50.2	✓ ② ③ ® N/A	47.6	✓ ② ③ ® N/A	48.2	✓ ② ③ ® N/A	46.9
69490	✓ ② ③ ® N/A	52.9	✓ ② ③ ® N/A	53.5	✓ ② ③ ® N/A	51.0	✓ ② ③ ® N/A	51.5	✓ ② ③ ® N/A	48.2	✓ ② ③ ® N/A	48.0	✓ ② ③ ® N/A	46.7
69280	✓ ② ③ ® N/A	52.3	✓ ② ③ ® N/A	52.3	✓ ② ③ ® N/A	51.0	✓ ② ③ ® N/A	50.3	✓ ② ③ ® N/A	47.9	✓ ② ③ ® N/A	48.2	✓ ② ③ ® N/A	47.0
69208	✓ ② ③ ® N/A	51.3	✓ ② ③ ® N/A	52.9	✓ ② ③ ® N/A	50.9	✓ ② ③ ® N/A	50.6	✓ ② ③ ® N/A	47.6	✓ ② ③ ® N/A	48.2	✓ ② ③ ® N/A	46.7
69079	✓ ② ③ ® N/A	52.9	✓ ② ③ ® N/A	53.6	✓ ② ③ ® N/A	51.2	✓ ② ③ ® N/A	51.1	✓ ② ③ ® N/A	47.6	✓ ② ③ ® N/A	48.1	✓ ② ③ ® N/A	46.4
69636	✓ ② ③ ® N/A	51.3	✓ ② ③ ® N/A	53.0	✓ ② ③ ® N/A	51.1	✓ ② ③ ® N/A	50.3	✓ ② ③ ® N/A	47.8	✓ ② ③ ® N/A	48.2	✓ ② ③ ® N/A	46.9
69616	✓ ② ③ ® N/A	51.1	✓ ② ③ ® N/A	51.9	✓ ② ③ ® N/A	51.0	✓ ② ③ ® N/A	50.5	✓ ② ③ ® N/A	48.2	✓ ② ③ ® N/A	48.2	✓ ② ③ ® N/A	46.9
69417	N/A		N/A		N/A		N/A		N/A		N/A		N/A	
69620	✓ ② ③ ® N/A	53.1	✓ ② ③ ® N/A	53.7	✓ ② ③ ® N/A	50.8	✓ ② ③ ® N/A	52.0	✓ ② ③ ® N/A	48.1	✓ ② ③ ® N/A	48.3	✓ ② ③ ® N/A	47.1
69520	✓ ② ③ ® N/A	51.4	✓ ② ③ ® N/A	52.6	✓ ② ③ ® N/A	51.0	✓ ② ③ ® N/A	50.2	✓ ② ③ ® N/A	47.9	✓ ② ③ ® N/A	47.7	✓ ② ③ ® N/A	46.8
69641	✓ ② ③ ® N/A	51.3	✓ ② ③ ® N/A	54.1	✓ ② ③ ® N/A	51.6	✓ ② ③ ® N/A	50.5	✓ ② ③ ® N/A	48.1	✓ ② ③ ® N/A	48.2	✓ ② ③ ® N/A	47.0
69298	✓ ② ③ ® N/A	52.1	✓ ② ③ ® N/A	52.4	✓ ② ③ ® N/A	50.8	✓ ② ③ ® N/A	52.1	✓ ② ③ ® N/A	48.1	✓ ② ③ ® N/A	48.1	✓ ② ③ ® N/A	46.9
92669	✓ ② ③ ® N/A	50.9	✓ ② ③ ® N/A	53.0	✓ ② ③ ® N/A	51.3	✓ ② ③ ® N/A	49.9	✓ ② ③ ® N/A	48.0	✓ ② ③ ® N/A	48.1	✓ ② ③ ® N/A	46.9
End Time (6.[16])	1305		1305		1304		1304		1305		1305		1304	
Initial (6.[16])	WO: MZ WO: EP		WO: [illegible] WO: MZ		WO: LM WO: EP		WO: MZ WO: FA		WO: LM WO: [illegible]		WO: LM WO: [illegible]		WO: LM WO: [illegible]	

ATTACHMENT 2
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Comments: N/C

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
MATTHEW ZOCCO		311676	02-20-17
Edward Pacheco		100497	02-20-17
Juan Garcia		169840	02-21-17
MATTHEW ZOCCO		311676	02-21-17
Leon Montoya		191526	02-22-17
Edward Pacheco		100497	02-22-17
MATTHEW ZOCCO		311676	02-23-17
Fabian Anaya		174963	02-23-17
Juan Garcia		169840	02-24-17
Leon Montoya		191526	02-24-17
Leon Montoya		191526	02-25-17
Juan Garcia		169840	02-25-17
Leon Montoya		191526	02-26-17
Juan Garcia		169840	02-26-17

9.1[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: 02-20-17/1306		Tuesday 6.[2] Date & Start Time: 02-21-2017/1306		Wednesday 6.[2] Date & Start Time: 02-22-2017/1305		Thursday 6.[2] Date & Start Time: 02-23-17/1305		Friday 6.[2] Date & Start Time: 02-24-17/1306		Saturday 6.[2] Date & Start Time: 02-25-17/1306		Sunday 6.[2] Date & Start Time: 02-26-17/1305	
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: 02-20-17 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: 51.9 °F		Cell 2: 53.3 °F		Cell 2: 52.6 °F		Cell 2: 51.1 °F		Cell 2: 47.2 °F		Cell 2: 47.0 °F		Cell 2: 46.1 °F	
(S) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[5])	☑ SAT ☐ UNSAT		☑ SAT ☐ UNSAT		☑ SAT ☐ UNSAT		☑ SAT ☐ UNSAT		☑ SAT ☐ UNSAT		☑ SAT ☐ UNSAT		☑ SAT ☐ UNSAT	
Container ID #	Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)													
68408	① ② ③ ® N/A	50.4	① ② ③ ® N/A	53.1	① ② ③ ® N/A	52.1	① ② ③ ® N/A	51.7	① ② ③ ® N/A	46.1	① ② ③ ® N/A	45.5	① ② ③ ® N/A	45.1
68638	① ② ③ ® N/A	50.1	① ② ③ ® N/A	53.3	① ② ③ ® N/A	51.6	① ② ③ ® N/A	50.5	① ② ③ ® N/A	47.2	① ② ③ ® N/A	47.0	① ② ③ ® N/A	46.2
69615	① ② ③ ® N/A	50.7	① ② ③ ® N/A	53.5	① ② ③ ® N/A	52.3	① ② ③ ® N/A	50.6	① ② ③ ® N/A	47.6	① ② ③ ® N/A	47.6	① ② ③ ® N/A	46.8
69635	① ② ③ ® N/A	51.5	① ② ③ ® N/A	54.0	① ② ③ ® N/A	52.1	① ② ③ ® N/A	51.0	① ② ③ ® N/A	47.9	① ② ③ ® N/A	47.6	① ② ③ ® N/A	46.8
69642	① ② ③ ® N/A	51.3	① ② ③ ® N/A	54.3	① ② ③ ® N/A	51.6	① ② ③ ® N/A	51.0	① ② ③ ® N/A	47.8	① ② ③ ® N/A	47.8	① ② ③ ® N/A	46.7
69630	① ② ③ ® N/A	50.5	① ② ③ ® N/A	54.1	① ② ③ ® N/A	51.4	① ② ③ ® N/A	51.0	① ② ③ ® N/A	47.9	① ② ③ ® N/A	47.3	① ② ③ ® N/A	46.3
69633	① ② ③ ® N/A	51.5	① ② ③ ® N/A	53.1	① ② ③ ® N/A	52.6	① ② ③ ® N/A	51.5	① ② ③ ® N/A	47.7	① ② ③ ® N/A	47.3	① ② ③ ® N/A	46.5
68430	① ② ③ ® N/A	49.6	① ② ③ ® N/A	53.5	① ② ③ ® N/A	52.0	① ② ③ ® N/A	50.6	① ② ③ ® N/A	47.5	① ② ③ ® N/A	47.6	① ② ③ ® N/A	46.5
68631	① ② ③ ® N/A	49.3	① ② ③ ® N/A	53.5	① ② ③ ® N/A	51.9	① ② ③ ® N/A	50.7	① ② ③ ® N/A	47.2	① ② ③ ® N/A	47.6	① ② ③ ® N/A	46.2
68567	① ② ③ ® N/A	50.4	① ② ③ ® N/A	53.1	① ② ③ ® N/A	51.5	① ② ③ ® N/A	51.2	① ② ③ ® N/A	46.6	① ② ③ ® N/A	46.1	① ② ③ ® N/A	45.7
69634	① ② ③ ® N/A	49.3	① ② ③ ® N/A	53.4	① ② ③ ® N/A	51.3	① ② ③ ® N/A	50.6	① ② ③ ® N/A	46.4	① ② ③ ® N/A	46.0	① ② ③ ® N/A	45.6

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	Monday 6.[2]		Tuesday 6.[2]		Wednesday 6.[2]		Thursday 6.[2]		Friday 6.[2]		Saturday 6.[2]		Sunday 6.[2]	
TA-54-0375 Cell 2 (continued)														
Container ID #	**Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)**													
94227	① ✓ ③ ® N/A	57.1	① ✓ ③ ® N/A	54.1	① ✓ ③ ® N/A	51.7	① ✓ ③ ® N/A	51.9	① ✓ ③ ® N/A	47.1	① ✓ ③ ® N/A	46.1	① ✓ ③ ® N/A	45.9
68648	① ✓ ③ ® N/A	50.0	① ✓ ③ ® N/A	52.6	① ✓ ③ ® N/A	51.6	① ✓ ③ ® N/A	51.6	① ✓ ③ ® N/A	47.3	① ✓ ③ ® N/A	46.9	① ✓ ③ ® N/A	46.4
69644	① ✓ ③ ® N/A	50.1	① ✓ ③ ® N/A	52.5	① ✓ ③ ® N/A	51.7	① ✓ ③ ® N/A	53.0	① ✓ ③ ® N/A	47.4	① ✓ ③ ® N/A	47.1	① ✓ ③ ® N/A	46.3
69183	① ✓ ③ ® N/A	50.1	① ✓ ③ ® N/A	53.1	① ✓ ③ ® N/A	51.4	① ✓ ③ ® N/A	50.1	① ✓ ③ ® N/A	47.3	① ✓ ③ ® N/A	46.9	① ✓ ③ ® N/A	46.3
69638	① ✓ ③ ® N/A	51.6	① ✓ ③ ® N/A	53.9	① ✓ ③ ® N/A	51.6	① ✓ ③ ® N/A	51.2	① ✓ ③ ® N/A	47.6	① ✓ ③ ® N/A	47.3	① ✓ ③ ® N/A	46.4
68624	① ✓ ③ ® N/A	49.9	① ✓ ③ ® N/A	53.6	① ✓ ③ ® N/A	52.3	① ✓ ③ ® N/A	50.7	① ✓ ③ ® N/A	47.7	① ✓ ③ ® N/A	47.4	① ✓ ③ ® N/A	46.6
68507	① ✓ ③ ® N/A	50.0	① ✓ ③ ® N/A	52.5	① ✓ ③ ® N/A	51.5	① ✓ ③ ® N/A	50.5	① ✓ ③ ® N/A	47.3	① ✓ ③ ® N/A	47.3	① ✓ ③ ® N/A	46.6
69568	① ✓ ③ ® N/A	51.3	① ✓ ③ ® N/A	52.6	① ✓ ③ ® N/A	51.4	① ✓ ③ ® N/A	50.3	① ✓ ③ ® N/A	47.2	① ✓ ③ ® N/A	46.4	① ✓ ③ ® N/A	45.9
69553	① ✓ ③ ® N/A	49.6	① ✓ ③ ® N/A	53.3	① ✓ ③ ® N/A	51.7	① ✓ ③ ® N/A	49.7	① ✓ ③ ® N/A	46.8	① ✓ ③ ® N/A	45.9	① ✓ ③ ® N/A	45.5
69598	① ✓ ③ ® N/A	49.1	① ✓ ③ ® N/A	52.9	① ✓ ③ ® N/A	51.9	① ✓ ③ ® N/A	51.4	① ✓ ③ ® N/A	46.5	① ✓ ③ ® N/A	45.6	① ✓ ③ ® N/A	45.4
92472	① ✓ ③ ® N/A	50.5	① ✓ ③ ® N/A	53.4	① ✓ ③ ® N/A	52.1	① ✓ ③ ® N/A	50.4	① ✓ ③ ® N/A	46.7	① ✓ ③ ® N/A	47.2	① ✓ ③ ® N/A	46.7
92459	① ✓ ③ ® N/A	49.8	① ✓ ③ ® N/A	53.3	① ✓ ③ ® N/A	52.1	① ✓ ③ ® N/A	50.4	① ✓ ③ ® N/A	47.0	① ✓ ③ ® N/A	46.7	① ✓ ③ ® N/A	46.4
69015	① ✓ ③ ® N/A	49.9	① ✓ ③ ® N/A	53.4	① ✓ ③ ® N/A	51.7	① ✓ ③ ® N/A	51.7	① ✓ ③ ® N/A	47.3	① ✓ ③ ® N/A	47.1	① ✓ ③ ® N/A	46.4
69639	① ✓ ③ ® N/A	50.5	① ✓ ③ ® N/A	52.2	① ✓ ③ ® N/A	51.9	① ✓ ③ ® N/A	50.5	① ✓ ③ ® N/A	47.7	① ✓ ③ ® N/A	47.2	① ✓ ③ ® N/A	46.4
69637	① ✓ ③ ® N/A	50.8	① ✓ ③ ® N/A	54.3	① ✓ ③ ® N/A	51.9	① ✓ ③ ® N/A	50.6	① ✓ ③ ® N/A	47.7	① ✓ ③ ® N/A	47.6	① ✓ ③ ® N/A	46.7
End Time (6.[16])	1310		1310		1312		1310		1311		1311		1310	
Initial (6.[16])	WO: MZ WO: EP		WO: [illegible] WO: MZ		WO: LM WO: EP		WO: MZ WO: FA		WO: LM WO: [illegible]		WO: LM WO: [illegible]		WO: LM WO: [illegible]	

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Comments: N/C

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
MATTHEW BOCCO		311676	02-20-17
Edward Parker		100497	02-20-17
Juan Garcia		169840	02-21-17
MATTHEW BOCCO		311676	02-21-17
Leon montoya		191526	02-22-17
Edward Parker		100497	02-22-17
MATTHEW BOCCO		311676	02-23-17
Fabian Anaya		174943	02-23-17
Juan Garcia		169840	02-24-17
Leon montoya		191526	02-24-17
Leon montoya		191526	02-25-17
Juan Garcia		169840	02-25-17
Leon montoya		191526	02-26-17
Juan Garcia		169840	02-26-17

9.1[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: 02-20-17/1311	Tuesday 6.[2] Date & Start Time: 02-21-2017/1311	Wednesday 6.[2] Date & Start Time: 02-22-2017/1313	Thursday 6.[2] Date & Start Time: 02-23-17/1311	Friday 6.[2] Date & Start Time: 02-24-17/1312	Saturday 6.[2] Date & Start Time: 02-25-17/1312	Sunday 6.[2] Date & Start Time: 02-26-17/1311
TA-54-0375 Cell 3							
Calibrated infrared thermometer (6.[3])	Brand: Fluke Model: 561 Cal. Due Date: 06-20-2017 File Number 101975	Brand: FLUKE Model: 561 Cal. Due Date: 06-20-2017 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: 50.9 °F	Cell 3: 51.9 °F	Cell 3: 51.2 °F	Cell 3: 50.1 °F	Cell 3: 46.1 °F	Cell 3: 46.5 °F	Cell 3: 45.9 °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	50.5	① ② ③ ® N/A	53.0	① ② ③ ® N/A	51.2	① ② ③ ® N/A	50.4	① ② ③ ® N/A	47.0	① ② ③ ® N/A	47.1	① ② ③ ® N/A	46.8
69645	① ② ③ ® N/A	50.3	① ② ③ ® N/A	51.0	① ② ③ ® N/A	50.6	① ② ③ ® N/A	49.5	① ② ③ ® N/A	47.4	① ② ③ ® N/A	47.6	① ② ③ ® N/A	47.1
94068	① ② ③ ® N/A	51.5	① ② ③ ® N/A	51.1	① ② ③ ® N/A	50.4	① ② ③ ® N/A	52.0	① ② ③ ® N/A	48.1	① ② ③ ® N/A	47.7	① ② ③ ® N/A	47.3
93605	① ② ③ ® N/A	50.6	① ② ③ ® N/A	51.8	① ② ③ ® N/A	50.9	① ② ③ ® N/A	50.0	① ② ③ ® N/A	48.0	① ② ③ ® N/A	47.7	① ② ③ ® N/A	47.1
69548	① ② ③ ® N/A	51.4	① ② ③ ® N/A	51.5	① ② ③ ® N/A	51.3	① ② ③ ® N/A	50.7	① ② ③ ® N/A	48.2	① ② ③ ® N/A	48.0	① ② ③ ® N/A	47.0

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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	52.4	① ② ✓ ® N/A	53.2	① ② ✓ ® N/A	51.1	① ② ✓ ® N/A	51.4	① ② ✓ ® N/A	47.2	① ② ✓ ® N/A	47.5	① ② ✓ ® N/A	46.7
68665	① ② ✓ ® N/A	49.4	① ② ✓ ® N/A	51.1	① ② ✓ ® N/A	50.3	① ② ✓ ® N/A	49.9	① ② ✓ ® N/A	47.6	① ② ✓ ® N/A	47.5	① ② ✓ ® N/A	46.7
69595	① ② ✓ ® N/A	51.4	① ② ✓ ® N/A	51.4	① ② ✓ ® N/A	50.5	① ② ✓ ® N/A	49.7	① ② ✓ ® N/A	47.3	① ② ✓ ® N/A	47.3	① ② ✓ ® N/A	46.6
69036	① ② ✓ ® N/A	50.6	① ② ✓ ® N/A	52.6	① ② ✓ ® N/A	51.9	① ② ✓ ® N/A	51.1	① ② ✓ ® N/A	47.0	① ② ✓ ® N/A	47.3	① ② ✓ ® N/A	46.8
69361	① ② ✓ ® N/A	51.4	① ② ✓ ® N/A	51.3	① ② ✓ ® N/A	51.7	① ② ✓ ® N/A	49.8	① ② ✓ ® N/A	47.2	① ② ✓ ® N/A	47.4	① ② ✓ ® N/A	46.7
69559	① ② ✓ ® N/A	50.9	① ② ✓ ® N/A	51.9	① ② ✓ ® N/A	51.1	① ② ✓ ® N/A	49.7	① ② ✓ ® N/A	47.6	① ② ✓ ® N/A	47.3	① ② ✓ ® N/A	46.8
69491	① ② ✓ ® N/A	52.0	① ② ✓ ® N/A	52.7	① ② ✓ ® N/A	51.4	① ② ✓ ® N/A	51.3	① ② ✓ ® N/A	47.8	① ② ✓ ® N/A	47.5	① ② ✓ ® N/A	46.7
87827	① ② ✓ ® N/A	52.0	① ② ✓ ® N/A	52.4	① ② ✓ ® N/A	51.7	① ② ✓ ® N/A	50.4	① ② ✓ ® N/A	48.0	① ② ✓ ® N/A	48.3	① ② ✓ ® N/A	47.6
87826	① ② ✓ ® N/A	51.6	① ② ✓ ® N/A	53.1	① ② ✓ ® N/A	51.7	① ② ✓ ® N/A	50.6	① ② ✓ ® N/A	48.6	① ② ✓ ® N/A	48.8	① ② ✓ ® N/A	47.6
87823	① ② ✓ ® N/A	52.2	① ② ✓ ® N/A	54.4	① ② ✓ ® N/A	52.7	① ② ✓ ® N/A	49.9	① ② ✓ ® N/A	47.7	① ② ✓ ® N/A	48.1	① ② ✓ ® N/A	47.1
87825	① ② ✓ ® N/A	51.3	① ② ✓ ® N/A	55.2	① ② ✓ ® N/A	52.8	① ② ✓ ® N/A	49.7	① ② ✓ ® N/A	47.1	① ② ✓ ® N/A	47.3	① ② ✓ ® N/A	46.8
End Time (6.[16])	1314		1315		1325		1314		1316		1316		1315	
Initial (6.[16])	WO: MZ WO: EP		WO: [illegible] WO: MZ		WO: [illegible] WO: EP		WO: MZ WO: FA		WO: [illegible] WO: [illegible]		WO: [illegible] WO: [illegible]		WO: [illegible] WO: [illegible]	

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Comments: N/C

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
MATTHEW ZOCCO	Matthew Zocco	311676	02-20-17
Edward Parker	Edward Parker	100497	02-20-17
Juan Garcia	Juan Garcia	169840	02-21-17
MATTHEW ZOCCO	Matthew Zocco	311676	02-21-17
Leon Montoya	[illegible]	191526	02-21-17
Edward Parker	Edward Parker	100497	02-22-17
MATTHEW ZOCCO	Matthew Zocco	311676	02-23-17
Fabian Anaya	Fabian Anaya	124963	02-23-17
Juan Garcia	Juan Garcia	169840	02-24-17
Leon Montoya	[illegible]	191526	02-24-17
Leon Montoya	[illegible]	191526	02-25-17
Juan Garcia	Juan Garcia	169840	02-25-17
Leon Montoya	[illegible]	191526	02-26-17
Juan Garcia	Juan Garcia	169840	02-26-17

9.1[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: 02-27-17/1300	Tuesday 6.[2] Date & Start Time: 02-28-17/1313	Wednesday 6.[2] Date & Start Time: 03-01-17/1315	Thursday 6.[2] Date & Start Time: 03-02-17/1351	Friday 6.[2] Date & Start Time: 03-03-17/1308	Saturday 6.[2] Date & Start Time: 03-04-17/1300	Sunday 6.[2] Date & Start Time: 03-05-17/1300
TA-54-0375 Cell 1							
Calibrated infrared thermometer (6.[3])	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 101975	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 101975	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 101975	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 101975	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 101975	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 101975	Brand: Fluke Model: 561 Cal. Due Date: 06-20-17 File Number 101975
Ambient Temperature (6.[4])	Cell 1: 47.4 °F	Cell 1: 45.8 °F	Cell 1: 47.4 °F	Cell 1: 50.6 °F	Cell 1: 52.2 °F	Cell 1: 53.4 °F	Cell 1: 54.1 °F
($) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[5])	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT
Ambient Temperature (6.[7])	Refrig.: 33.5 °F	Refrig.: 35.2 °F	Refrig.: 34.4 °F	Refrig.: 36.1 °F	Refrig.: 36.2 °F	Refrig.: 34.2 °F	Refrig.: ~~35.5~~ 35.5 °F
($) Ambient Refrig. Temp.: > 32°F and ≤ 41°F; SR 4.6.2.1, SAC 5.7.24 (6.[7])	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT
Container ID #	Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)						
68685	✓① ② ③ ® N/A	50.6	✓① ② ③ ® N/A	45.8	✓① ② ③ ® N/A	48.9	✓① ② ③ ® N/A	51.0	✓① ② ③ ® N/A	52.7	✓① ② ③ ® N/A	53.7	✓① ② ③ ® N/A	53.7
68540	✓① ② ③ ® N/A	48.2	✓① ② ③ ® N/A	45.4	✓① ② ③ ® N/A	48.6	✓① ② ③ ® N/A	50.1	✓① ② ③ ® N/A	52.2	✓① ② ③ ® N/A	53.5	✓① ② ③ ® N/A	53.7
68553	✓① ② ③ ® N/A	48.8	✓① ② ③ ® N/A	45.7	✓① ② ③ ® N/A	48.5	✓① ② ③ ® N/A	51.1	✓① ② ③ ® N/A	52.9	✓① ② ③ ® N/A	53.0	✓① ② ③ ® N/A	53.5
69445	✓① ② ③ ® N/A	48.6	✓① ② ③ ® N/A	46.2	✓① ② ③ ® N/A	48.3	✓① ② ③ ® N/A	50.9	✓① ② ③ ® N/A	52.3	✓① ② ③ ® N/A	52.6	✓① ② ③ ® N/A	52.7

WORKING COPY

Z# 174963
INITIAL FA DATE 02-27-17

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)														
Container ID #	Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)													
69618	✓ ② ③ ® N/A	50.2	✓ ② ③ ® N/A	47.0	✓ ② ③ ® N/A	48.6	✓ ② ③ ® N/A	49.7	✓ ② ③ ® N/A	52.0	✓ ② ③ ® N/A	52.2	✓ ② ③ ® N/A	52.2 ~~52.2~~ 5-17
69013	✓ ② ③ ® N/A	47.9	✓ ② ③ ® N/A	45.6	✓ ② ③ ® N/A	48.5	✓ ② ③ ® N/A	50.6	✓ ② ③ ® N/A	52.2	✓ ② ③ ® N/A	52.4	✓ ② ③ ® N/A	52.9
69076	✓ ② ③ ® N/A	49.0	✓ ② ③ ® N/A	46.2	✓ ② ③ ® N/A	48.4	✓ ② ③ ® N/A	49.9	✓ ② ③ ® N/A	52.3	✓ ② ③ ® N/A	52.7	✓ ② ③ ® N/A	51.8
69490	✓ ② ③ ® N/A	48.6	✓ ② ③ ® N/A	46.1	✓ ② ③ ® N/A	48.6	✓ ② ③ ® N/A	50.8	✓ ② ③ ® N/A	51.8	✓ ② ③ ® N/A	52.6	✓ ② ③ ® N/A	51.3
69280	✓ ② ③ ® N/A	48.9	✓ ② ③ ® N/A	45.7	✓ ② ③ ® N/A	48.5	✓ ② ③ ® N/A	50.0	✓ ② ③ ® N/A	52.8	✓ ② ③ ® N/A	52.5	✓ ② ③ ® N/A	51.7
69208	✓ ② ③ ® N/A	48.3	✓ ② ③ ® N/A	45.7	✓ ② ③ ® N/A	48.3	✓ ② ③ ® N/A	50.2	✓ ② ③ ® N/A	52.2	✓ ② ③ ® N/A	52.7	✓ ② ③ ® N/A	51.8
69079	✓ ② ③ ® N/A	48.9	✓ ② ③ ® N/A	45.7	✓ ② ③ ® N/A	48.8	✓ ② ③ ® N/A	50.4	✓ ② ③ ® N/A	52.5	✓ ② ③ ® N/A	52.9	✓ ② ③ ® N/A	52.2
69636	✓ ② ③ ® N/A	48.8	✓ ② ③ ® N/A	46.1	✓ ② ③ ® N/A	49.2	✓ ② ③ ® N/A	50.7	✓ ② ③ ® N/A	52.2	✓ ② ③ ® N/A	52.6	✓ ② ③ ® N/A	52.3
69616	✓ ② ③ ® N/A	49.5	✓ ② ③ ® N/A	46.0	✓ ② ③ ® N/A	48.9	✓ ② ③ ® N/A	50.9	✓ ② ③ ® N/A	52.2	✓ ② ③ ® N/A	52.4	✓ ② ③ ® N/A	51.2
69417	N/A		N/A		N/A		N/A		N/A		N/A		N/A	
69620	✓ ② ③ ® N/A	48.8	✓ ② ③ ® N/A	46.2	✓ ② ③ ® N/A	48.5	✓ ② ③ ® N/A	50.8	✓ ② ③ ® N/A	53.0	✓ ② ③ ® N/A	52.3	✓ ② ③ ® N/A	51.0
69520	✓ ② ③ ® N/A	48.8	✓ ② ③ ® N/A	46.0	✓ ② ③ ® N/A	48.6	✓ ② ③ ® N/A	50.9	✓ ② ③ ® N/A	51.9	✓ ② ③ ® N/A	52.3	✓ ② ③ ® N/A	52.0
69641	✓ ② ③ ® N/A	49.2	✓ ② ③ ® N/A	46.4	✓ ② ③ ® N/A	48.7	✓ ② ③ ® N/A	50.1	✓ ② ③ ® N/A	52.5	✓ ② ③ ® N/A	52.6	✓ ② ③ ® N/A	52.0
69298	✓ ② ③ ® N/A	48.8	✓ ② ③ ® N/A	46.4	✓ ② ③ ® N/A	48.7	✓ ② ③ ® N/A	50.2	✓ ② ③ ® N/A	52.3	✓ ② ③ ® N/A	52.7	✓ ② ③ ® N/A	50.7
92669	✓ ② ③ ® N/A	49.2	✓ ② ③ ® N/A	46.1	✓ ② ③ ® N/A	48.8	✓ ② ③ ® N/A	50.1	✓ ② ③ ® N/A	52.8	✓ ② ③ ® N/A	52.6	✓ ② ③ ® N/A	51.2
End Time (6.[16])	1306		1318		1321		1357		1312		1306		1305	
Initial (6.[16])	WO: FA WO: MZ		WO: FA WO: DA		WO: LM WO: DA		WO: FA WO: DA		WO: FA WO: VDM		WO: VDM WO: DA		WO: VDM WO: [illegible]	

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Comments: No comments

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
Fabian Anaya	Fabian Anaya	174963	02-27-17
MATTHEW ZOCCO	Matthew Zocco	311676	02-27-17
Fabian Anaya	Fabian Anaya	174963	02-28-17
Tina Aguirre	Tina Aguirre	174977	02-28-17
Leon Montoya	[illegible]	91526	03-01-17
Tina Aguirre	Tina Aguirre	174977	03-01-17
Fabian Anaya	Fabian Anaya	174963	03-02-17
Tina Aguirre	Tina Aguirre	174977	03-02-17
Fabian Anaya	Fabian Anaya	174963	03-03-17
Valerie Martinez	Valerie Martinez	239958	03-03-17
Valerie Martinez	Valerie Martinez	239958	03-04-17
Tina Aguirre	Tina Aguirre	174977	03-04-17
Valerie Martinez	Valerie Martinez	239958	03-05-17
Juan Garcia	[illegible]	169840	03-05-17

9.1[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: 02-27-17 / 1307		Tuesday 6.[2] Date & Start Time: 02-28-17 / 1319		Wednesday 6.[2] Date & Start Time: 03-01-17 / 1322		Thursday 6.[2] Date & Start Time: 03-02-17 / 1358		Friday 6.[2] Date & Start Time: 03-03-17 / 1313		Saturday 6.[2] Date & Start Time: 03-04-17 / 1307		Sunday 6.[2] Date & Start Time: 03-05-17 / 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: 48.4 °F		Cell 2: 45.8 °F		Cell 2: 47.6 °F		Cell 2: 50.8 °F		Cell 2: 50.4 °F		Cell 2: 52.3 °F		Cell 2: 53.9 °F	
(S) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[5])	☑ SAT ☐ UNSAT		☑ SAT ☐ UNSAT		☑ SAT ☐ UNSAT		☑ SAT ☐ UNSAT		☑ SAT ☐ UNSAT		☑ SAT ☐ UNSAT		☑ SAT ☐ UNSAT	
Container ID #	Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)													
68408	① ② ③ ® N/A	49.3	① ② ③ ® N/A	45.6	① ② ③ ® N/A	47.2	① ② ③ ® N/A	49.8	① ② ③ ® N/A	51.8	① ② ③ ® N/A	51.3	① ② ③ ® N/A	50.9
68638	① ② ③ ® N/A	48.0	① ② ③ ® N/A	45.8	① ② ③ ® N/A	47.9	① ② ③ ® N/A	50.0	① ② ③ ® N/A	50.5	① ② ③ ® N/A	52.1	① ② ③ ® N/A	52.8
69615	① ② ③ ® N/A	48.8	① ② ③ ® N/A	45.9	① ② ③ ® N/A	48.3	① ② ③ ® N/A	50.3	① ② ③ ® N/A	51.3	① ② ③ ® N/A	52.6	① ② ③ ® N/A	52.5
69635	① ② ③ ® N/A	48.7	① ② ③ ® N/A	45.9	① ② ③ ® N/A	48.6	① ② ③ ® N/A	50.3	① ② ③ ® N/A	51.1	① ② ③ ® N/A	53.0	① ② ③ ® N/A	52.1
69642	① ② ③ ® N/A	49.1	① ② ③ ® N/A	46.2	① ② ③ ® N/A	48.8	① ② ③ ® N/A	51.3	① ② ③ ® N/A	51.8	① ② ③ ® N/A	53.0	① ② ③ ® N/A	52.5
69630	① ② ③ ® N/A	48.8	① ② ③ ® N/A	45.9	① ② ③ ® N/A	48.5	① ② ③ ® N/A	49.9	① ② ③ ® N/A	51.3	① ② ③ ® N/A	52.4	① ② ③ ® N/A	51.9
69633	① ② ③ ® N/A	49.0	① ② ③ ® N/A	46.1	① ② ③ ® N/A	48.4	① ② ③ ® N/A	50.0	① ② ③ ® N/A	51.0	① ② ③ ® N/A	52.5	① ② ③ ® N/A	52.1
68430	① ② ③ ® N/A	48.4	① ② ③ ® N/A	46.0	① ② ③ ® N/A	48.4	① ② ③ ® N/A	49.7	① ② ③ ® N/A	51.0	① ② ③ ® N/A	52.2	① ② ③ ® N/A	52.7
68631	① ② ③ ® N/A	48.8	① ② ③ ® N/A	46.0	① ② ③ ® N/A	47.9	① ② ③ ® N/A	50.0	① ② ③ ® N/A	51.2	① ② ③ ® N/A	51.6	① ② ③ ® N/A	52.2
68567	① ② ③ ® N/A	48.2	① ② ③ ® N/A	45.4	① ② ③ ® N/A	47.3	① ② ③ ® N/A	48.7	① ② ③ ® N/A	50.3	① ② ③ ® N/A	51.8	① ② ③ ® N/A	51.4
69634	① ② ③ ® N/A	48.3	① ② ③ ® N/A	45.9	① ② ③ ® N/A	47.0	① ② ③ ® N/A	49.8	① ② ③ ® N/A	49.9	① ② ③ ® N/A	52.0	① ② ③ ® N/A	52.4

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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)**													
94227	① ✓ ③ ® N/A	49.8	① ✓ ③ ® N/A	45.6	① ✓ ③ ® N/A	47.7	① ✓ ③ ® N/A	49.4	① ✓ ③ ® N/A	51.7	① ✓ ③ ® N/A	51.5	① ✓ ③ ® N/A	52.3
68648	① ✓ ③ ® N/A	48.7	① ✓ ③ ® N/A	45.5	① ✓ ③ ® N/A	48.3	① ✓ ③ ® N/A	50.7	① ✓ ③ ® N/A	50.5	① ✓ ③ ® N/A	52.0	① ✓ ③ ® N/A	52.7
69644	① ✓ ③ ® N/A	48.1	① ✓ ③ ® N/A	45.6	① ✓ ③ ® N/A	47.9	① ✓ ③ ® N/A	49.2	① ✓ ③ ® N/A	51.4	① ✓ ③ ® N/A	52.2	① ✓ ③ ® N/A	52.1
69183	① ✓ ③ ® N/A	48.6	① ✓ ③ ® N/A	45.3	① ✓ ③ ® N/A	47.7	① ✓ ③ ® N/A	49.9	① ✓ ③ ® N/A	50.2	① ✓ ③ ® N/A	52.0	① ✓ ③ ® N/A	52.1
69638	① ✓ ③ ® N/A	48.7	① ✓ ③ ® N/A	45.9	① ✓ ③ ® N/A	48.3	① ✓ ③ ® N/A	50.0	① ✓ ③ ® N/A	52.4	① ✓ ③ ® N/A	52.4	① ✓ ③ ® N/A	52.5
68624	① ✓ ③ ® N/A	49.6	① ✓ ③ ® N/A	46.0	① ✓ ③ ® N/A	48.3	① ✓ ③ ® N/A	50.9	① ✓ ③ ® N/A	50.6	① ✓ ③ ® N/A	52.8	① ✓ ③ ® N/A	52.8
68507	① ✓ ③ ® N/A	48.4	① ✓ ③ ® N/A	46.3	① ✓ ③ ® N/A	48.3	① ✓ ③ ® N/A	49.5	① ✓ ③ ® N/A	51.2	① ✓ ③ ® N/A	52.3	① ✓ ③ ® N/A	51.8
69568	① ✓ ③ ® N/A	48.2	① ✓ ③ ® N/A	45.7	① ✓ ③ ® N/A	47.5	① ✓ ③ ® N/A	49.1	① ✓ ③ ® N/A	50.3	① ✓ ③ ® N/A	51.3	① ✓ ③ ® N/A	52.6
69553	① ✓ ③ ® N/A	47.5	① ✓ ③ ® N/A	44.8	① ✓ ③ ® N/A	47.3	① ✓ ③ ® N/A	48.8	① ✓ ③ ® N/A	50.9	① ✓ ③ ® N/A	52.1	① ✓ ③ ® N/A	52.8
69598	① ✓ ③ ® N/A	47.9	① ✓ ③ ® N/A	45.3	① ✓ ③ ® N/A	47.3	① ✓ ③ ® N/A	48.3	① ✓ ③ ® N/A	49.9	① ✓ ③ ® N/A	51.1	① ✓ ③ ® N/A	52.8
92472	① ✓ ③ ® N/A	48.1	① ✓ ③ ® N/A	46.0	① ✓ ③ ® N/A	48.4	① ✓ ③ ® N/A	49.7	① ✓ ③ ® N/A	50.7	① ✓ ③ ® N/A	52.1	① ✓ ③ ® N/A	52.0
92459	① ✓ ③ ® N/A	48.5	① ✓ ③ ® N/A	45.9	① ✓ ③ ® N/A	48.1	① ✓ ③ ® N/A	50.0	① ✓ ③ ® N/A	50.4	① ✓ ③ ® N/A	52.2	① ✓ ③ ® N/A	52.8
69015	① ✓ ③ ® N/A	49.0	① ✓ ③ ® N/A	46.0	① ✓ ③ ® N/A	48.3	① ✓ ③ ® N/A	50.3	① ✓ ③ ® N/A	50.6	① ✓ ③ ® N/A	52.0	① ✓ ③ ® N/A	52.6
69639	① ✓ ③ ® N/A	48.5	① ✓ ③ ® N/A	46.3	① ✓ ③ ® N/A	48.6	① ✓ ③ ® N/A	50.6	① ✓ ③ ® N/A	50.6	① ✓ ③ ® N/A	52.6	① ✓ ③ ® N/A	52.9
69637	① ✓ ③ ® N/A	49.2	① ✓ ③ ® N/A	46.3	① ✓ ③ ® N/A	48.4	① ✓ ③ ® N/A	50.3	① ✓ ③ ® N/A	51.2	① ✓ ③ ® N/A	52.5	① ✓ ③ ® N/A	53.1
End Time (6.[16])	FA 02/27/17 ~~1330~~ 1316		1324		1327		1403		1318		1312		1311	
Initial (6.[16])	WO: FA WO: MZ		WO: FA WO: DA		WO: CM WO: DA		WO: FA WO: DA		WO: FA WO: VM		WO: VM WO: DA		WO: VM WO:	

ATTACHMENT 3
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Comments: No comments

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
Fabian Anaya	Fabian Anaya	174963	02-27-17
MATTHEW ZOCCO	Matthew Z	311676	02-27-17
Fabian Anaya	Fabian Anaya	174963	02-28-17
Tina Aguirre	Tina Aguirre	174977	02-28-17
Leon Montoya		191526	03-01-17
Tina Aguirre	Tina Aguirre	174977	03-01-17
Fabian Anaya	Fabian Anaya	174963	03-02-17
Tina Aguirre	Tina Aguirre	174977	03-02-17
Fabian Anaya	Fabian Anaya	174963	03-03-17
Valerie Martinez	Valerie Martinez	239958	03-03-17
Valerie Martinez	Valerie Martinez	239958	03-04-17
Tina Aguirre	Tina Aguirre	174977	03-04-17
Valerie Martinez	Valerie Martinez	239958	03-05-17
Juan Garcia		169840	03-05-17

9.1[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: 02-27-17/1317	Tuesday 6.[2] Date & Start Time: 02-28-17/1324	Wednesday 6.[2] Date & Start Time: 03-01-17/1327	Thursday 6.[2] Date & Start Time: 03-02-17/1403	Friday 6.[2] Date & Start Time: 03-03-17/1319	Saturday 6.[2] Date & Start Time: 03-04-17/1312	Sunday 6.[2] Date & Start Time: 03-05-17/1317
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: 49.5 °F	Cell 3: 46.3 °F	Cell 3: 47.1 °F	Cell 3: 49.4 °F	Cell 3: 50.0 °F	Cell 3: 52.5 °F	Cell 3: 52.7 °F
(S) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[5])	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT

Container ID #	Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)													
69519	① ② ③ ® N/A	48.5	① ② ③ ® N/A	46.2	① ② ③ ® N/A	47.7	① ② ③ ® N/A	49.5	① ② ③ ® N/A	49.7	① ② ③ ® N/A	51.7	① ② ③ ® N/A	50.9
69645	① ② ③ ® N/A	48.6	① ② ③ ® N/A	46.7	① ② ③ ® N/A	48.4	① ② ③ ® N/A	49.4	① ② ③ ® N/A	49.8	① ② ③ ® N/A	52.0	① ② ③ ® N/A	50.8
94068	① ② ③ ® N/A	49.2	① ② ③ ® N/A	46.6	① ② ③ ® N/A	49.5	① ② ③ ® N/A	50.5	① ② ③ ® N/A	50.6	① ② ③ ® N/A	51.5	① ② ③ ® N/A	51.0
93605	① ② ③ ® N/A	48.5	① ② ③ ® N/A	46.4	① ② ③ ® N/A	48.9	① ② ③ ® N/A	50.1	① ② ③ ® N/A	50.2	① ② ③ ® N/A	51.7	① ② ③ ® N/A	52.1
69548	① ② ③ ® N/A	49.4	① ② ③ ® N/A	46.2	① ② ③ ® N/A	49.2	① ② ③ ® N/A	51.1	① ② ③ ® N/A	50.6	① ② ③ ® N/A	52.0	① ② ③ ® N/A	51.7

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	Monday 6.[2]	Tuesday 6.[2]	Wednesday 6.[2]	Thursday 6.[2]	Friday 6.[2]	Saturday 6.[2]	Sunday 6.[2]
TA-54-0375 Cell 3 (continued)							
Container ID #	**Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)**						
69604	① ② ③ ® N/A 48.4	① ② ③ ® N/A 46.1	① ② ③ ® N/A 49.3	① ② ③ ® N/A 49.8	① ② ③ ® N/A 50.1	① ② ③ ® N/A 51.1	① ② ③ ® N/A 51.3
68665	① ② ③ ® N/A 48.3	① ② ③ ® N/A 46.1	① ② ③ ® N/A 48.3	① ② ③ ® N/A 50.7	① ② ③ ® N/A 49.9	① ② ③ ® N/A 51.4	① ② ③ ® N/A 51.5
69595	① ② ③ ® N/A 48.2	① ② ③ ® N/A 46.2	① ② ③ ® N/A 48.2	① ② ③ ® N/A 49.5	① ② ③ ® N/A 50.2	① ② ③ ® N/A 51.7	① ② ③ ® N/A 51.7
69036	① ② ③ ® N/A 48.6	① ② ③ ® N/A 46.0	① ② ③ ® N/A 48.6	① ② ③ ® N/A 50.7	① ② ③ ® N/A 50.8	① ② ③ ® N/A 52.8	① ② ③ ® N/A 52.4
69361	① ② ③ ® N/A 48.5	① ② ③ ® N/A 46.2	① ② ③ ® N/A 48.8	① ② ③ ® N/A 49.9	① ② ③ ® N/A 50.9	① ② ③ ® N/A 52.5	① ② ③ ® N/A 52.0
69559	① ② ③ ® N/A 48.8	① ② ③ ® N/A 46.5	① ② ③ ® N/A 48.7	① ② ③ ® N/A 50.2	① ② ③ ® N/A 50.2	① ② ③ ® N/A 52.2	① ② ③ ® N/A 52.1
69491	① ② ③ ® N/A 48.5	① ② ③ ® N/A 46.7	① ② ③ ® N/A 48.7	① ② ③ ® N/A 49.6	① ② ③ ® N/A 50.4	① ② ③ ® N/A 52.3	① ② ③ ® N/A 51.9
87827	① ② ③ ® N/A 49.1	① ② ③ ® N/A 47.3	① ② ③ ® N/A 49.2	① ② ③ ® N/A 50.4	① ② ③ ® N/A 51.1	① ② ③ ® N/A 52.4	① ② ③ ® N/A 52.8
87826	① ② ③ ® N/A 49.6	① ② ③ ® N/A 47.4	① ② ③ ® N/A 49.5	① ② ③ ® N/A 50.5	① ② ③ ® N/A 51.2	① ② ③ ® N/A 52.7	① ② ③ ® N/A 52.6
87823	① ② ③ ® N/A 48.9	① ② ③ ® N/A 46.9	① ② ③ ® N/A 48.4	① ② ③ ® N/A 50.7	① ② ③ ® N/A 52.3	① ② ③ ® N/A 54.0	① ② ③ ® N/A 52.9
87825	① ② ③ ® N/A 48.7	① ② ③ ® N/A 46.5	① ② ③ ® N/A 48.0	① ② ③ ® N/A 50.8	① ② ③ ® N/A 52.1	① ② ③ ® N/A 54.1	① ② ③ ® N/A 54.1
End Time (6.[16])	1322	1328	1331	1407	1322	1316	1317
Initial (6.[16])	WO: FA WO: MZ	WO: FA WO: QA	WO: LM WO: QA	WO: FA WO: QA	WO: FA WO: VM	WO: VM WO: QA	WO: VM WO:

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Comments: No comments

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
Fabian Anaya	Fabian Anaya	174963	02-27-17
MATTHEW ZOCCO	Matthew Zocco	311676	02-27-17
Fabian Anaya	Fabian Anaya	174963	02-28-17
Tina Aguirre	Tina Aguirre	174977	02-28-17
Leon Montoya		191526	03 01 17
Tina Aguirre	Tina Aguirre	174977	03-01-17
Fabian Anaya	Fabian Anaya	174963	03-02-17
Tina Aguirre	Tina Aguirre	174977	03-02-17
Fabian Anaya	Fabian Anaya	174963	03-03-17
Valerie Martinez	Valerie Martinez	239958	03/03/17
Valerie Martinez	Valerie Martinez	239958	03/04/17
Tina Aguirre	Tina Aguirre	174977	03-04-17
Valerie Martinez	Valerie Martinez	239958	03.05.17
Silvia Garcia		169840	03-05-17

9.1[2] Reviewed by:

SOM (print)	Signature	Z#	Date

WORKING COPY

Z# 124977

INITIAL QA DATE 03-06-17

ATTACHMENT 2
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TA-54-0375 REFRIGERATOR AND CELL 1 RNS WASTE CONTAINER DAILY TEMPERATURE DATA SHEET

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

	Monday 6.[2] Date & Start Time: 03-06-17/1311	Tuesday 6.[2] Date & Start Time: 03-07-17/1455	Wednesday 6.[2] Date & Start Time: 03-08-17/1300	Thursday 6.[2] Date & Start Time: 03-09-17/1310	Friday 6.[2] Date & Start Time: 03-10-17/1300	Saturday 6.[2] Date & Start Time: 03-11-17/1300	Sunday 6.[2] Date & Start Time: 03-12-17/1302
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: 50.4 °F	Cell 1: 50.6 °F	Cell 1: 55.5 °F	Cell 1: 55.6 °F	Cell 1: 56.0 °F	Cell 1: 55.9 °F	Cell 1: 53.8 °F
($) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[5])	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☐ SAT ☐ UNSAT	☑ SAT ☐ UNSAT
Ambient Temperature (6.[7])	Refrig.: 34.0 °F	Refrig.: 35.4 °F	Refrig.: 35.1 °F	Refrig.: 34.5 °F	Refrig.: 34.4 °F	Refrig.: 34.8 °F	Refrig.: 34.3 °F
($) 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	50.6	① ② ③ ® N/A	51.6	① ② ③ ® N/A	53.5	① ② ③ ® N/A 56.8
68540	① ② ③ ® N/A	[illegible]	① ② ③ ® N/A	51.3	① ② ③ ® N/A	53.7	① ② ③ ® N/A 54.7
68553	① ② ③ ® N/A	50.4	① ② ③ ® N/A	51.9	① ② ③ ® N/A	55.4	① ② ③ ® N/A 54.8
69445	① ② ③ ® N/A	51.5	① ② ③ ® N/A	51.8	① ② ③ ® N/A	51.3	① ② ③ ® N/A 53.7

Container ID #	Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)													
68685	① ② ③ ® N/A	58.5	① ② ③ ® N/A	55.5	① ② ③ ® N/A	53.6
68540	① ② ③ ® N/A	55.8	① ② ③ ® N/A	53.9	① ② ③ ® N/A	53.0
68553	① ② ③ ® N/A	55.6	① ② ③ ® N/A	54.0	① ② ③ ® N/A	53.1
69445	① ② ③ ® N/A	55.5	① ② ③ ® N/A	53.7	① ② ③ ® N/A	52.7

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	Monday 6.[2]		Tuesday 6.[2]		Wednesday 6.[2]		Thursday 6.[2]		Friday 6.[2]		Saturday 6.[2]		Sunday 6.[2]	
TA-54-0375 Cell 1 (continued)														
Container ID #	Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)													
69618	① ② ③ ® N/A	50.8	① ② ③ ® N/A	50.6	① ② ③ ® N/A	52.5	① ② ③ ® N/A	54.1	① ② ③ ® N/A	54.9	① ② ③ ® N/A	53.7	① ② ③ ® N/A	52.8
69013	① ② ③ ® N/A	50.5	① ② ③ ® N/A	50.5	① ② ③ ® N/A	52.0	① ② ③ ® N/A	54.6	① ② ③ ® N/A	54.7	① ② ③ ® N/A	52.9	① ② ③ ® N/A	52.1
69076	① ② ③ ® N/A	50.7	① ② ③ ® N/A	51.4	① ② ③ ® N/A	52.7	① ② ③ ® N/A	53.9	① ② ③ ® N/A	55.3	① ② ③ ® N/A	52.9	① ② ③ ® N/A	52.0
69490	① ② ③ ® N/A	50.5	① ② ③ ® N/A	51.3	① ② ③ ® N/A	52.1	① ② ③ ® N/A	53.2	① ② ③ ® N/A	54.2	① ② ③ ® N/A	53.1	① ② ③ ® N/A	52.6
69280	① ② ③ ® N/A	50.6	① ② ③ ® N/A	51.3	① ② ③ ® N/A	51.7	① ② ③ ® N/A	53.2	① ② ③ ® N/A	54.5	① ② ③ ® N/A	53.4	① ② ③ ® N/A	52.8
69208	① ② ③ ® N/A	50.6	① ② ③ ® N/A	51.5	① ② ③ ® N/A	52.1	① ② ③ ® N/A	53.6	① ② ③ ® N/A	54.8	① ② ③ ® N/A	53.0	① ② ③ ® N/A	52.4
69079	① ② ③ ® N/A	50.9	① ② ③ ® N/A	51.4	① ② ③ ® N/A	52.4	① ② ③ ® N/A	53.7	① ② ③ ® N/A	54.5	① ② ③ ® N/A	53.0	① ② ③ ® N/A	52.2
69636	① ② ③ ® N/A	50.6	① ② ③ ® N/A	51.5	① ② ③ ® N/A	52.9	① ② ③ ® N/A	53.6	① ② ③ ® N/A	54.9	① ② ③ ® N/A	53.4	① ② ③ ® N/A	52.7
69616	① ② ③ ® N/A	50.3	① ② ③ ® N/A	51.0	① ② ③ ® N/A	51.9	① ② ③ ® N/A	53.7	① ② ③ ® N/A	54.8	① ② ③ ® N/A	53.0	① ② ③ ® N/A	52.7
69417	N/A		N/A	51.6	N/A	52.9	N/A		N/A		N/A		N/A	
69620	① ② ③ ® N/A	50.9	① ② ③ ® N/A	51.2	① ② ③ ® N/A	53.2	① ② ③ ® N/A	54.4	① ② ③ ® N/A	54.6	① ② ③ ® N/A	53.9	① ② ③ ® N/A	52.2
69520	① ② ③ ® N/A	50.6	① ② ③ ® N/A	51.7	① ② ③ ® N/A	52.2	① ② ③ ® N/A	53.9	① ② ③ ® N/A	54.4	① ② ③ ® N/A	53.2	① ② ③ ® N/A	52.4
69641	① ② ③ ® N/A	50.8	① ② ③ ® N/A	51.1	① ② ③ ® N/A	53.9	① ② ③ ® N/A	54.1	① ② ③ ® N/A	54.9	① ② ③ ® N/A	53.1	① ② ③ ® N/A	52.7
69298	① ② ③ ® N/A	50.8	① ② ③ ® N/A	51.2	① ② ③ ® N/A	51.9	① ② ③ ® N/A	53.5	① ② ③ ® N/A	54.0	① ② ③ ® N/A	53.2	① ② ③ ® N/A	52.7
92669	① ② ③ ® N/A	51.1	① ② ③ ® N/A	51.7	① ② ③ ® N/A	52.1	① ② ③ ® N/A	53.4	① ② ③ ® N/A	53.7	① ② ③ ® N/A	52.9	① ② ③ ® N/A	52.9
End Time (6.[16])	1318		1500		1305		1316		1306		1306		1307	
Initial (6.[16])	WO: LM WO: DA		WO: RM WO: LM		WO: AV WO: DA		WO: LM WO: DA		WO: LM WO: DA		WO: LM WO: DA		WO: LM WO: DA	

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Comments:

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
Leon Montoya		191526	03-06-17
Tina Aguirre		174977	03-06-17
Valerie Martinez		239958	03-07-17
Leon Montoya		191526	03-07-17
Ivan Garcia		169840	03-08-17
Tina Aguirre		174977	03-08-17
Leon Montoya		191526	03-09-17
Tina Aguirre		174977	03-09-17
Leon Montoya		191526	03-10-17
Tina Aguirre		174977	03-10-17
Leon Montoya		191526	03-11-17
Tina Aguirre		174977	03-11-17
Tina Aguirre		174977	03-12-17
Leon Montoya		191526	03-12-17

9.1[2] Reviewed by:

SOM (print)	Signature	Z#	Date

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

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

	Monday 6.[2] Date & Start Time: 03-06-17/1319	Tuesday 6.[2] Date & Start Time: 03-07-17/1501	Wednesday 6.[2] Date & Start Time: 03-08-17/1306	Thursday 6.[2] Date & Start Time: 03-09-17/1317	Friday 6.[2] Date & Start Time: 03-10-17/1306	Saturday 6.[2] Date & Start Time: 03-11-17/1306	Sunday 6.[2] Date & Start Time: 03-12-17/1307
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: 50.9 °F	Cell 2: 51.7 °F	Cell 2: 52.6 °F	Cell 2: 53.9 °F	Cell 2: 54.2 °F	Cell 2: 53.2 °F	Cell 2: 51.6 °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)						
68408	① ② ③ ® N/A	51.1	① ② ③ ® N/A	51.2	① ② ③ ® N/A	51.4	① ② ③ ® N/A	53.8	① ② ③ ® N/A	54.1	① ② ③ ® N/A	53.2	① ② ③ ® N/A	51.1
68638	① ② ③ ® N/A	51.2	① ② ③ ® N/A	51.7	① ② ③ ® N/A	52.0	① ② ③ ® N/A	54.7	① ② ③ ® N/A	54.4	① ② ③ ® N/A	53.2	① ② ③ ® N/A	52.2
69615	① ② ③ ® N/A	51.6	① ② ③ ® N/A	52.1	① ② ③ ® N/A	52.2	① ② ③ ® N/A	54.1	① ② ③ ® N/A	54.9	① ② ③ ® N/A	53.4	① ② ③ ® N/A	52.1
69635	① ② ③ ® N/A	50.4	① ② ③ ® N/A	52.2	① ② ③ ® N/A	52.9	① ② ③ ® N/A	54.5	① ② ③ ® N/A	54.4	① ② ③ ® N/A	53.3	① ② ③ ® N/A	51.9
69642	① ② ③ ® N/A	51.0	① ② ③ ® N/A	51.6	① ② ③ ® N/A	52.3	① ② ③ ® N/A	54.4	① ② ③ ® N/A	54.5	① ② ③ ® N/A	53.6	① ② ③ ® N/A	52.4
69630	① ② ③ ® N/A	51.2	① ② ③ ® N/A	51.8	① ② ③ ® N/A	52.2	① ② ③ ® N/A	53.9	① ② ③ ® N/A	54.2	① ② ③ ® N/A	53.5	① ② ③ ® N/A	52.1
69633	① ② ③ ® N/A	51.2	① ② ③ ® N/A	51.7	① ② ③ ® N/A	52.3	① ② ③ ® N/A	54.2	① ② ③ ® N/A	54.3	① ② ③ ® N/A	53.3	① ② ③ ® N/A	51.4
68430	① ② ③ ® N/A	51.4	① ② ③ ® N/A	52.4	① ② ③ ® N/A	52.5	① ② ③ ® N/A	53.8	① ② ③ ® N/A	54.0	① ② ③ ® N/A	52.5	① ② ③ ® N/A	51.6
68631	① ② ③ ® N/A	51.5	① ② ③ ® N/A	51.2	① ② ③ ® N/A	52.5	① ② ③ ® N/A	54.0	① ② ③ ® N/A	54.4	① ② ③ ® N/A	53.1	① ② ③ ® N/A	51.6
68567	① ② ③ ® N/A	50.4	① ② ③ ® N/A	50.8	① ② ③ ® N/A	53.1	① ② ③ ® N/A	53.5	① ② ③ ® N/A	54.1	① ② ③ ® N/A	53.2	① ② ③ ® N/A	51.0
69634	① ② ③ ® N/A	50.8	① ② ③ ® N/A	51.2	① ② ③ ® N/A	51.0	① ② ③ ® N/A	53.4	① ② ③ ® N/A	54.0	① ② ③ ® N/A	52.8	① ② ③ ® N/A	50.8

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	Monday 6.[2]		Tuesday 6.[2]		Wednesday 6.[2]		Thursday 6.[2]		Friday 6.[2]		Saturday 6.[2]		Sunday 6.[2]	
TA-54-0375 Cell 2 (continued)														
Container ID #	Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)													
94227	① ⊘ ③ ® N/A	57.3	① ⊘ ③ ® N/A	51.4	① ⊘ ③ ® N/A	53.8	① ⊘ ③ ® N/A	54.0	① ⊘ ③ ® N/A	54.3	① ⊘ ③ ® N/A	53.4	① ⊘ ③ ® N/A	51.0
68648	① ⊘ ③ ® N/A	50.3	① ⊘ ③ ® N/A	51.6	① ⊘ ③ ® N/A	51.7	① ⊘ ③ ® N/A	53.7	① ⊘ ③ ® N/A	54.3	① ⊘ ③ ® N/A	53.2	① ⊘ ③ ® N/A	51.5
69644	① ⊘ ③ ® N/A	50.6	① ⊘ ③ ® N/A	52.0	① ⊘ ③ ® N/A	52.2	① ⊘ ③ ® N/A	53.6	① ⊘ ③ ® N/A	54.3	① ⊘ ③ ® N/A	52.9	① ⊘ ③ ® N/A	51.4
69183	① ⊘ ③ ® N/A	50.7	① ⊘ ③ ® N/A	51.7	① ⊘ ③ ® N/A	52.4	① ⊘ ③ ® N/A	53.5	① ⊘ ③ ® N/A	53.9	① ⊘ ③ ® N/A	52.6	① ⊘ ③ ® N/A	51.4
69638	① ⊘ ③ ® N/A	51.0	① ⊘ ③ ® N/A	52.3	① ⊘ ③ ® N/A	52.3	① ⊘ ③ ® N/A	54.7	① ⊘ ③ ® N/A	54.3	① ⊘ ③ ® N/A	53.2	① ⊘ ③ ® N/A	51.4
68624	① ⊘ ③ ® N/A	51.3	① ⊘ ③ ® N/A	52.2	① ⊘ ③ ® N/A	52.6	① ⊘ ③ ® N/A	54.3	① ⊘ ③ ® N/A	54.3	① ⊘ ③ ® N/A	53.5	① ⊘ ③ ® N/A	51.7
68507	① ⊘ ③ ® N/A	51.0	① ⊘ ③ ® N/A	51.8	① ⊘ ③ ® N/A	53.6	① ⊘ ③ ® N/A	53.6	① ⊘ ③ ® N/A	53.9	① ⊘ ③ ® N/A	53.1	① ⊘ ③ ® N/A	51.6
69568	① ⊘ ③ ® N/A	51.0	① ⊘ ③ ® N/A	51.1	① ⊘ ③ ® N/A	52.4	① ⊘ ③ ® N/A	53.6	① ⊘ ③ ® N/A	53.7	① ⊘ ③ ® N/A	52.5	① ⊘ ③ ® N/A	51.2
69553	① ⊘ ③ ® N/A	50.9	① ⊘ ③ ® N/A	51.4	① ⊘ ③ ® N/A	53.7	① ⊘ ③ ® N/A	54.0	① ⊘ ③ ® N/A	54.5	① ⊘ ③ ® N/A	52.9	① ⊘ ③ ® N/A	50.8
69598	① ⊘ ③ ® N/A	50.6	① ⊘ ③ ® N/A	51.2	① ⊘ ③ ® N/A	52.7	① ⊘ ③ ® N/A	53.4	① ⊘ ③ ® N/A	53.4	① ⊘ ③ ® N/A	53.3	① ⊘ ③ ® N/A	51.5
92472	① ⊘ ③ ® N/A	51.4	① ⊘ ③ ® N/A	51.4	① ⊘ ③ ® N/A	53.0	① ⊘ ③ ® N/A	53.6	① ⊘ ③ ® N/A	54.1	① ⊘ ③ ® N/A	52.6	① ⊘ ③ ® N/A	51.5
92459	① ⊘ ③ ® N/A	51.1	① ⊘ ③ ® N/A	51.7	① ⊘ ③ ® N/A	52.5	① ⊘ ③ ® N/A	53.7	① ⊘ ③ ® N/A	54.1	① ⊘ ③ ® N/A	52.9	① ⊘ ③ ® N/A	51.7
69015	① ⊘ ③ ® N/A	51.2	① ⊘ ③ ® N/A	52.0	① ⊘ ③ ® N/A	51.8	① ⊘ ③ ® N/A	54.0	① ⊘ ③ ® N/A	53.6	① ⊘ ③ ® N/A	52.9	① ⊘ ③ ® N/A	51.8
69639	① ⊘ ③ ® N/A	51.4	① ⊘ ③ ® N/A	51.9	① ⊘ ③ ® N/A	52.3	① ⊘ ③ ® N/A	54.0	① ⊘ ③ ® N/A	54.1	① ⊘ ③ ® N/A	53.4	① ⊘ ③ ® N/A	51.9
69637	① ⊘ ③ ® N/A	51.3	① ⊘ ③ ® N/A	52.2	① ⊘ ③ ® N/A	52.6	① ⊘ ③ ® N/A	54.0	① ⊘ ③ ® N/A	54.9	① ⊘ ③ ® N/A	53.3	① ⊘ ③ ® N/A	51.8
End Time (6.[16])	1324		1506		1311		1322		1311		1311		1312	
Initial (6.[16])	WO: LM WO: [illegible]		WO: RM WO: LM		WO: LM WO: [illegible]		WO: LM WO: [illegible]		WO: LM WO: [illegible]		WO: LM WO: [illegible]		WO: LM WO: [illegible]	

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Comments:

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
Leon montoya		191526	03-06-17
Tina Aguirre		174977	03-06-17
Valerie Martinez		239758	03-07-17
Leon montoya		191526	03-07-17
Juan Lara		169840	03-08-17
Tina Aguirre		174977	03-08-17
Leon montoya		191526	03-09-17
Tina Aguirre		174977	03-09-17
Leon montoya		191526	03-10-17
Tina Aguirre		174977	03-10-17
Leon montoya		191526	03-11-17
Tina Aguirre		174977	03-11-17
Tina Aguirre		174977	03-12-17
Leon montoya		191526	03-12-17

9.1[2] Reviewed by:

SOM (print)	Signature	Z#	Date

ATTACHMENT 4
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TA-54-0375 CELL 3 RNS WASTE CONTAINER DAILY TEMPERATURE DATA SHEET

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

	Monday 6.[2] Date & Start Time:	Tuesday 6.[2] Date & Start Time:	Wednesday 6.[2] Date & Start Time:	Thursday 6.[2] Date & Start Time:	Friday 6.[2] Date & Start Time:	Saturday 6.[2] Date & Start Time:	Sunday 6.[2] Date & Start Time:
	03-06-17/1324	03-07-17/1507	03-08-17/1312	03-09-17/1322	03-10-17/1311	03-11-17/1321	03/12/17/~~1312~~ 1312 QA 3-12-17 3-12-17
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: 50.4 °F	Cell 3: 51.9 °F	Cell 3: 52.6 °F	Cell 3: 52.5 °F	Cell 3: 53.4 °F	Cell 3: 52.5 °F	Cell 3: 50.5 °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	50.2	① ② ③ ® N/A	50.8	① ② ③ ® N/A	51.5	① ② ③ ® N/A	52.0	① ② ③ ® N/A	52.5	① ② ③ ® N/A	51.7	① ② ③ ® N/A	50.3
69645	① ② ③ ® N/A	50.4	① ② ③ ® N/A	51.2	① ② ③ ® N/A	50.4	① ② ③ ® N/A	51.1	① ② ③ ® N/A	51.4	① ② ③ ® N/A	51.5	① ② ③ ® N/A	50.5
94068	① ② ③ ® N/A	50.5	① ② ③ ® N/A	51.0	① ② ③ ® N/A	51.0	① ② ③ ® N/A	51.9	① ② ③ ® N/A	51.5	① ② ③ ® N/A	51.5	① ② ③ ® N/A	50.6
93605	① ② ③ ® N/A	50.6	① ② ③ ® N/A	52.1	① ② ③ ® N/A	53.0	① ② ③ ® N/A	52.3	① ② ③ ® N/A	52.9	① ② ③ ® N/A	52.2	① ② ③ ® N/A	51.4
69548	① ② ③ ® N/A	50.8	① ② ③ ® N/A	52.3	① ② ③ ® N/A	52.4	① ② ③ ® N/A	53.5	① ② ③ ® N/A	53.8	① ② ③ ® N/A	52.6	① ② ③ ® N/A	51.2

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 50.0	① ② ③ ® N/A 51.4	① ② ③ ® N/A 52.7	① ② ③ ® N/A 52.7	① ② ③ ® N/A 53.3	① ② ③ ® N/A 52.4	① ② ③ ® N/A 50.6
68665	① ② ③ ® N/A 50.6	① ② ③ ® N/A 51.8	① ② ③ ® N/A 50.7	① ② ③ ® N/A 52.3	① ② ③ ® N/A 53.1	① ② ③ ® N/A 51.7	① ② ③ ® N/A 50.7
69595	① ② ③ ® N/A 50.2	① ② ③ ® N/A 50.9	① ② ③ ® N/A 51.1	① ② ③ ® N/A 52.8	① ② ③ ® N/A 53.2	① ② ③ ® N/A 52.1	① ② ③ ® N/A 50.6
69036	① ② ③ ® N/A 51.0	① ② ③ ® N/A 52.2	① ② ③ ® N/A 52.6	① ② ③ ® N/A 52.9	① ② ③ ® N/A 53.3	① ② ③ ® N/A 53.2	① ② ③ ® N/A 52.2
69361	① ② ③ ® N/A 50.1	① ② ③ ® N/A 51.9	① ② ③ ® N/A 52.0	① ② ③ ® N/A 53.3	① ② ③ ® N/A 53.9	① ② ③ ® N/A 52.8	① ② ③ ® N/A 51.4
69559	① ② ③ ® N/A 50.6	① ② ③ ® N/A 51.2	① ② ③ ® N/A 51.4	① ② ③ ® N/A 53.1	① ② ③ ® N/A 53.4	① ② ③ ® N/A 52.5	① ② ③ ® N/A 51.4
69491	① ② ③ ® N/A 50.7	① ② ③ ® N/A 51.8	① ② ③ ® N/A 52.6	① ② ③ ® N/A 53.2	① ② ③ ® N/A 53.4	① ② ③ ® N/A 52.8	① ② ③ ® N/A 51.2
87827	① ② ③ ® N/A 51.4	① ② ③ ® N/A 52.3	① ② ③ ® N/A 52.8	① ② ③ ® N/A 53.5	① ② ③ ® N/A 54.4	① ② ③ ® N/A 53.5	① ② ③ ® N/A 52.9
87826	① ② ③ ® N/A 51.2	① ② ③ ® N/A 52.6	① ② ③ ® N/A 52.9	① ② ③ ® N/A 53.5	① ② ③ ® N/A 54.5	① ② ③ ® N/A 53.2	① ② ③ ® N/A 51.4
87823	① ② ③ ® N/A 50.8	① ② ③ ® N/A 52.5	① ② ③ ® N/A 52.8	① ② ③ ® N/A 53.9	① ② ③ ® N/A 54.4	① ② ③ ® N/A 55.5	① ② ③ ® N/A 53.4
87825	① ② ③ ® N/A 50.9	① ② ③ ® N/A 52.3	① ② ③ ® N/A 54.0	① ② ③ ® N/A 56.8	① ② ③ ® N/A 57.7	① ② ③ ® N/A 55.5	① ② ③ ® N/A 53.2
End Time (6.[16])	1328	1510	1320	1326	1315	1315	1316
Initial (6.[16])	WO: Lm WO: DA	WO: KM WO: Lm	WO: KM WO: DA	WO: Lm WO: DA	WO: Lm WO: DA	WO: Lm WO: DA	WO: Lm WO: DA

ATTACHMENT 4
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Comments:

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
Leon Montoya		191526	103-06-17
Tina Aguirre		174977	103-06-17
Valerie Martinez		239958	103-07-17
Leon Montoya		191526	103-07-17
Juan Garcia		169840	103-08-17
Tina Aguirre		174977	103-08-17
Leon Montoya		191526	103-09-17
Tina Aguirre		174977	03-09-17
Leon Montoya		191526	103-10-17
Tina Aguirre		174977	03-10-17
Leon Montoya		191526	103-11-17
Tina Aguirre		174977	03-11-17
Leon Montoya		191526	103-11-17
Tina Aguirre		174977	03-12-17

9.1[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: 03-13-17/1346	Tuesday 6.[2] Date & Start Time: 03-14-17/1310	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: 54.4 °F	Cell 1: 54.7 °F	Cell 1: ____ °F	Cell 1: ____ °F	Cell 1: ____ °F	Cell 1: ____ °F	Cell 1: ____ °F
($) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[5])	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☐ SAT ☐ UNSAT	☐ SAT ☐ UNSAT	☐ SAT ☐ UNSAT	☐ SAT ☐ UNSAT	☐ SAT ☐ UNSAT
Ambient Temperature (6.[7])	Refrig.: 34.9 °F	Refrig.: 34.9 °F	Refrig.: ____ °F	Refrig.: ____ °F	Refrig.: ____ °F	Refrig.: ____ °F	Refrig.: ____ °F
($) Ambient Refrig. Temp.: > 32°F and ≤ 41°F: SR 4.6.2.1, SAC 5.7.24 (6.[7])	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☐ SAT ☐ UNSAT	☐ SAT ☐ UNSAT	☐ SAT ☐ UNSAT	☐ SAT ☐ UNSAT	☐ SAT ☐ UNSAT
Container ID #	Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)						
68685	① ② ③ ® N/A	53.7	① ② ③ ® N/A	54.7	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	
68540	① ② ③ ® N/A	53.2	① ② ③ ® N/A	55.2	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	
68553	① ② ③ ® N/A	54.0	① 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	
69445	① ② ③ ® N/A	53.2	① ② ③ ® N/A	54.6	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	

WORKING COPY
Z# 239958
INITIAL VDM DATE 03/13/17

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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)														
Container ID #	Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)													
69618	✓ ② ③ R N/A	54.8	✓ ② ③ R N/A	55.2	① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A	
69013	✓ ② ③ R N/A	53.0	✓ ② ③ R N/A	53.9	① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A	
69076	✓ ② ③ R N/A	53.3	✓ ② ③ R N/A	54.5	① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A	
69490	✓ ② ③ R N/A	52.9	✓ ② ③ R N/A	53.7	① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A	
69280	✓ ② ③ R N/A	53.7	✓ ② ③ R N/A	55.4	① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A	
69208	✓ ② ③ R N/A	53.1	✓ ② ③ R N/A	53.7	① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A	
69079	✓ ② ③ R N/A	52.9	✓ ② ③ R N/A	54.6	① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A	
69636	✓ ② ③ R N/A	52.7	✓ ② ③ R N/A	53.8	① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A	
69616	✓ ② ③ R N/A	52.6	✓ ② ③ R N/A	53.7	① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A	
69417	N/A		N/A		N/A		N/A		N/A		N/A		N/A	
69620	✓ ② ③ R N/A	52.6	✓ ② ③ R N/A	54.0	① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A	
69520	✓ ② ③ R N/A	53.2	✓ ② ③ R N/A	53.9	① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A	
69641	✓ ② ③ R N/A	52.9	✓ ② ③ R N/A	54.0	① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A	
69298	✓ ② ③ R N/A	53.1	✓ ② ③ R N/A	54.0	① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A	
92669	✓ ② ③ R N/A	53.1	✓ ② ③ R N/A	54.2	① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A	
End Time (6.[16])	1352		1316											
Initial (6.[16])	WO: VDM WO: FH		WO: FH WO: JA		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
Fabian Anaya	Fabian Anaya	174963	03-13-17
Valerie Martinez	Valerie Martinez	239958	03-13-17
Fabian Anaya	Fabian Anaya	174963	03-14-17
Tina Aguirre	Tina Aguirre	174972	03-14-17

Waste Operator (print)	Signature	Z#	Date

9.1[2] Reviewed by:

SOM (print)	Signature	Z#	Date

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

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

	Monday 6.[2] Date & Start Time: 03-13-17/1340	Tuesday 6.[2] Date & Start Time: 03-14-17/1316	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: 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 2: 52.5 °F	Cell 2: 53.7 °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	54.4	① ✓ ③ ® N/A	53.7	① ② ③ ® N/A	① ② ③ ® N/A	① ② ③ ® N/A	① ② ③ ® N/A	① ② ③ ® N/A	① ② ③ ® N/A
68638	① ✓ ③ ® N/A	52.7	① ✓ ③ ® N/A	53.5	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	① ② ③ ® N/A
69615	① ✓ ③ ® N/A	52.8	① ✓ ③ ® N/A	54.2	① ② ③ ® N/A	① ② ③ ® N/A	① ② ③ ® N/A	① ② ③ ® N/A	① ② ③ ® N/A	① ② ③ ® N/A
69635	① ✓ ③ ® N/A	52.9	① ✓ ③ ® N/A	53.7	① ② ③ ® N/A	① ② ③ ® N/A	① ② ③ ® N/A	① ② ③ ® N/A	① ② ③ ® N/A	① ② ③ ® N/A
69642	① ✓ ③ ® N/A	52.9	① ✓ ③ ® N/A	54.1	① ② ③ ® N/A	① ② ③ ® N/A	① ② ③ ® N/A	① ② ③ ® N/A	① ② ③ ® N/A	① ② ③ ® N/A
69630	① ✓ ③ ® N/A	53.2	① ✓ ③ ® N/A	54.0	① ② ③ ® N/A	① ② ③ ® N/A	① ② ③ ® N/A	① ② ③ ® N/A	① ② ③ ® N/A	① ② ③ ® N/A
69633	① ✓ ③ ® N/A	52.6	① ✓ ③ ® N/A	54.0	① ② ③ ® N/A	① ② ③ ® N/A	① ② ③ ® N/A	① ② ③ ® N/A	① ② ③ ® N/A	① ② ③ ® N/A
68430	① ✓ ③ ® N/A	52.6	① ✓ ③ ® N/A	53.6	① ② ③ ® N/A	① ② ③ ® N/A	① ② ③ ® N/A	① ② ③ ® N/A	① ② ③ ® N/A	① ② ③ ® N/A
68631	① ✓ ③ ® N/A	52.7	① ✓ 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	① ② ③ ® N/A
68567	① ✓ ③ ® N/A	52.4	① ✓ ③ ® N/A	53.3	① ② ③ ® N/A	① ② ③ ® N/A	① ② ③ ® N/A	① ② ③ ® N/A	① ② ③ ® N/A	① ② ③ ® N/A
69634	① ✓ ③ ® N/A	52.2	① ✓ ③ ® N/A	53.7	① ② ③ ® N/A	① ② ③ ® N/A	① ② ③ ® N/A	① ② ③ ® N/A	① ② ③ ® N/A	① ② ③ ® N/A

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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)													
94227	① ✓ ③ R N/A	52.4	① ✓ ③ R N/A	53.4	① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A	
68648	① ✓ ③ R N/A	52.3	① ✓ ③ R N/A	53.7	① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A	
69644	① ✓ ③ R N/A	52.9	① ✓ ③ R N/A	53.4	① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A	
69183	① ✓ ③ R N/A	52.0	① ✓ ③ R N/A	54.1	① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A	
69638	① ✓ ③ R N/A	53.5	① ✓ ③ R N/A	53.5	① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A	
68624	① ✓ ③ R N/A	52.8	① ✓ ③ R N/A	54.2	① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A	
68507	① ✓ ③ R N/A	52.8	① ✓ ③ R N/A	53.4	① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A	
69568	① ✓ ③ R N/A	52.3	① ✓ ③ R N/A	53.7	① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A	
69553	① ✓ ③ R N/A	52.7	① ✓ ③ R N/A	53.2	① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A	
69598	① ✓ ③ R N/A	52.3	① ✓ ③ R N/A	53.9	① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A	
92472	① ✓ ③ R N/A	52.7	① ✓ ③ R N/A	53.1	① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A	
92459	① ✓ ③ R N/A	53.2	① ✓ ③ R N/A	53.8	① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A	
69015	① ✓ ③ R N/A	52.6	① ✓ ③ R N/A	53.5	① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A	
69639	① ✓ ③ R N/A	52.7	① ✓ ③ R N/A	53.9	① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A	
69637	① ✓ ③ R N/A	53.6	① ✓ ③ R N/A	53.6	① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A	
End Time (6.[16])	1345		1321											
Initial (6.[16])	WO: VOM WO: FA		WO: FA WO: JA		WO: WO:		WO: WO:		WO: WO:		WO: WO:		WO: WO:	

ATTACHMENT 3
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Comments:

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
Fabian Anaya	Fabian Anaya	174963	03-13-17
Valerie Martinez	Valerie Martinez	239958	03-13-17
Fabian Anaya	Fabian Anaya	174963	03-14-17
Lina Aguirre	[illegible]	124977	03-14-17

Waste Operator (print)	Signature	Z#	Date

9.1[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: 03-13-17/1335	Tuesday 6.[2] Date & Start Time: 03-14-17/1321	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 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 3: 51.7 °F	Cell 3: 52.7 °F	Cell 3: ____ °F	Cell 3: ____ °F	Cell 3: ____ °F	Cell 3: ____ °F	Cell 3: ____ °F
(S) Temperature ≥ 75°F SR 4.ESS.5.1 (6.[5])	☑ SAT ☐ UNSAT	☑ SAT ☐ UNSAT	☐ SAT ☐ UNSAT	☐ SAT ☐ UNSAT	☐ SAT ☐ UNSAT	☐ SAT ☐ UNSAT	☐ SAT ☐ UNSAT

Container ID #	Location/(&) Temp (°F) (6.[9]/6.[10]/6.[11]) (IP IV.7)															
69519	① ② ③ ® N/A	51.0	① ② ③ ® N/A	52.5	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	
69645	① ② ③ ® N/A	50.7	① ② ③ ® N/A	51.1	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	
94068	① ② ③ ® N/A	51.0	① ② ③ ® N/A	51.3	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	
93605	① ② ③ ® N/A	51.6	① ② ③ ® N/A	52.4	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	
69548	① ② ③ ® N/A	51.6	① ② ③ ® N/A	52.6	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	

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 R N/A	51.0	① ② ③ R N/A	52.2	① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A	
68665	① ② ③ R N/A	51.9	① ② ③ R N/A	52.2	① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A	
69595	① ② ③ R N/A	51.0	① ② ③ R N/A	52.9	① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A	
69036	① ② ③ R N/A	52.5	① ② ③ R N/A	52.4	① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A	
69361	① ② ③ R N/A	51.9	① ② ③ R N/A	52.8	① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A	
69559	① ② ③ R N/A	52.1	① ② ③ R N/A	52.6	① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A	
69491	① ② ③ R N/A	51.4	① ② ③ R N/A	52.8	① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A	
87827	① ② ③ R N/A	53.0	① ② ③ R N/A	53.7	① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A	
87826	① ② ③ R N/A	52.9	① ② ③ R N/A	53.4	① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A	
87823	① ② ③ R N/A	54.0	① ② ③ R N/A	54.8	① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A	
87825	① ② ③ R N/A	54.5	① ② ③ R N/A	56.2	① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A		① ② ③ R N/A	
End Time (6.[16])	1339		1325											
Initial (6.[16])	WO: VDM WO: FA		WO: FA WO: [illegible]A		WO: WO:		WO: WO:		WO: WO:		WO: WO:		WO: WO:	

ATTACHMENT 4
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Comments:

6.[19] Performed by:

Waste Operator (print)	Signature	Z#	Date
Fabian Araya	Fabian Araya	174963	03-13-17
Valerie Martinez	Valerie Martinez	239958	03.13.17
Fabian Araya	Fabian Araya	174963	03-14-17
Tina Aguirre	Tina Aguirre	174977	03-14-17

Waste Operator (print)	Signature	Z#	Date

9.1[2] Reviewed by:

SOM (print)	Signature	Z#	Date