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Sent: Wednesday, July 20, 2016 2:48 PM

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Subject: Monthly Technical Submittal June 16, 2016 - July 20, 2016

Linked below is the written monthly technical summary for June 16, - July 20, 2016. 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 IX of the *LANL Nitrate Salt-Bearing Waste Container Isolation Plan, Revision 6*, approved on May 16, 2016.

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

1. [NMED monthly written submission July 20 2016.pdf](#) (12.2 MB)

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Luciana Vigil-Holterman for

Mark Haagenstad
Environmental Protection Division

NMED / LANL Technical Summary

June 16, 2016, 2016 – July 20, 2016

Participants:

- New Mexico Environment Department: Siona Briley
- LANL – NNSA- Los Alamos Field Office: Darlene Rodriguez
- LANL – Los Alamos National Security: Luciana Vigil-Holterman, Felicia Naranjo, Lydia Martinez, Agnerys Rodriguez Santos

LANL Technical Update:

- **Location of Nitrate Salt-Bearing Wastes**
 - Remediated nitrate salt-bearing waste containers (8 SWB overpacks, 48 55-gallon containers, and 4 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.
 - June 15, 2016 – July 19, 2016 HSG data (H₂, CO, CO₂ and N₂O) attached.
 - Other containers:
 - A minimum of once per month HSG sampling will be conducted on 55-gallon drums or overpack containers.
 - Through July 19, 2016, LANL has completed HSG sampling for the month on 52 containers.
 - July 2016 HSG data (H₂, CO, CO₂ and N₂O) attached.
- **Additional measures currently underway**
 - Twice-weekly HSG sample collection on 55-gallon drums of remediated nitrate salt-bearing waste.
 - HSG data (H₂, CO, CO₂ and N₂O) attached for June and July 2016.
 - 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.
 - CO₂ values are adjusted by the quantity of CO₂ in the field blank (i.e., the amount of CO₂ in the air when the sample is taken is subtracted from the CO₂ 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.
 - Installation of pressure relief devices with supplemental filtration to containers with pipe overpack components still under review with DOE.

Other:

Next Call: Wednesday, August 17, 2016

Summary Chart - Requested Information / Pending Issues:

	Requested Information	Actionee	Status	Completion Date
1.	NMED contact / process for LANL to notify NMED under the Revised Isolation Plan (e.g., 24 hour notices).	NMED	---	Complete June 5, 2014
2.	Keep NMED informed on the status of on-going chemistry / analytical work.	LANL	---	Complete June 9, 2014
3.	On upcoming daily call, provide additional discussion on the potential for liquids in the 350 post-1991 cemented containers (including a discussion of the review of RTR tapes).	LANL	---	Complete July 6, 2014 (Discussion on call) July 18, 2014 (Meeting held)
4.	On upcoming call, provide additional discussion on why 231 and 375 Permacon fire suppression systems are not part of the LANL RCRA Hazardous Waste Facility Permit Contingency Plan.	LANL	---	Complete June 5, 2014
5.	Send copy of June 4, 2014 written daily submission to Trais Kliphuis. Also, include her on future daily submissions.	LANL	---	Complete June 5, 2014
6.	Provide LANL procedures and example records associated with post-1991 TA-55 cementation process discussed on June 6.	LANL	---	Complete July 3, 2014
7.	Provide information on numbers of containers in the post-1991 cemented waste streams from the TA-55 process discussed on June 6. This should include numbers regarding RTR status (RTR'd, meet WIPP criteria, requiring remediation).	LANL	---	Complete June 17, 2014 (Supplemental Info provided July 3)
8.	Provide RTR video and pre-screening information associated with those containers requiring remediation from the post-1991 cemented waste streams from the TA-55 process discussed on June 6.	LANL	---	Complete July 3, 2014
9.	Provide copy of CCP/LANL Interface Document.	LANL	---	Complete June 9, 2014
10.	Provide a list of the analytes for which LANL is sampling HSG (CO ₂ and LFL analytes).	LANL	---	Complete June 11, 2014
11.	Discuss potential sampling of HSG for NO _x .	LANL	---	Complete June 16, 2014

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

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

	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 <i>Response to Request for Information on Management of Waste at LANL.</i>	Complete July 8, 2014
25.	NMED requested an additional discussion on a future technical call regarding CO ₂ , including data.	LANL	---	Complete August 14, 2014 (Meeting held)
26.	NMED requested additional discussion on CIN-01 waste containers and absorbent, including confirmation and extent of use.	LANL	---	Complete July 18, 2014 (Meeting held)
27.	NMED requested historic analytical information on pH of liquids associated with gypsum cemented waste.	LANL	---	Complete August 7, 2014
28.	NMED requested link to pdf of Actinide Quarterly edition (3 rd Q 2008).	LANL	---	Complete July 21, 2014
29.	NMED requested a copy of lessons learned	LANL	---	Complete August 11, 2014
30.	NMED request regarding empty drum sampling presentation.	LANL	Presentation is a pre-decisional draft/working document not for external release	August 25, 2014
31.	Respond to NMED email request dated 8/12/2014 for information associated with the nitrate salt-bearing waste containers.	LANL	---	Complete September 11, 2014
32.	NMED request regarding technical presentation.	LANL	Presentation is a pre-decisional draft/working document not for external release	August 25, 2014
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 depictions of HSG data and temperature will be included with monthly submittals starting in December 2015.
42.	Schedule a fourth update on LANL efforts – including teams.	LANL/ NMED	---	Complete November 3, 2014
43.	Schedule a fifth update on LANL efforts – including teams.	LANL/ NMED	---	Complete November 20, 2014
44.	Schedule a sixth update on LANL efforts – including teams.	LANL/ NMED	---	Complete December 9, 2014
45.	NMED requested documentation regarding CIN01 drums.	LANL	---	Complete Email- February 3, 2015 Letter- February 19, 2015
46.	NMED requested documentation regarding duplicate drum number.	LANL	---	Complete May 6, 2015
47.	NMED requested the ESS plan for temperature control and sampling once finalized.	LANL	---	Closed November 19, 2015 meeting with NMED-HWB personnel.
48.	Schedule a seventh update on LANL efforts – including teams.	LANL/ NMED	---	Complete January 29, 2015
49.	Fire suppression repair plan for Dome 231	LANL	---	This repair plan is no longer necessary because drum movement did not occur during the repair process. Repair is complete.

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

Remediated Nitrate Salt Container Headspace Gas Analysis

Date	68685 - 68685				69553 - 69553				69615 - 69615				69616 - 69616				SB50069 - 69208			
	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm
06/15/16	245	898	25461	5392																
06/16/16	260	946	26887	5568	258	961	24131	3132	251	913	23035	1222	326	1052	24727	4126	674	1599	41902	5438
06/17/16	251	913	25071	5206																
06/18/16	252	921	25704	5371																
06/19/16	274	966	27559	5687																
06/20/16	257	962	27149	5554	274	980	24238	3136	232	825	21430	1083	329	1051	25224	4161	890	2228	56338	7228
06/21/16	254	992	27949	5724																
06/22/16	275	1219	28992	5621																
06/23/16	266	1195	28655	5492	285	927	24363	3003	265	912	23862	1179	341	1072	25999	4087	857	1951	53127	6531
06/24/16	270	1255	29552	5703																
06/25/16	264	1214	29076	5559																
06/26/16	271	1009	29732	5730																
06/27/16	253	987	29180	5640	280	901	23827	2966	265	908	23701	1174	335	1134	26778	4271	960	2163	57124	7238
06/28/16	287	1250	30106	5896																
06/29/16	273	984	28829	5608																
06/30/16	265	957	27885	5446	267	1106	22053	2757	236	993	21404	1056	264	1094	20687	3340	935	2317	54905	7064
07/01/16	276	938	28233	5521																
07/02/16	269	1143	26743	5230																
07/03/16	284	1004	29047	5660																
07/04/16	276	1179	28431	5571																
07/05/16	260	905	26463	5114	263	867	21850	2714	218	735	19058	1027	325	1033	24256	3939	943	2098	53976	6924
07/06/16	270	946	28337	5469																
07/07/16	237	1080	24999	4786	294	1195	24291	3041	244	1021	20722	1021	344	1269	25226	4070	935	2340	54306	6945
07/08/16	265	977	28860	5547																
07/09/16	267	1214	29254	5609																
07/10/16	274	1197	29475	5675																
07/11/16	256	974	28723	5489	247	799	20889	2643	222	725	18729	925	324	1024	24319	3899	882	2018	52413	6707
07/12/16	278	1043	30183	5825																
07/13/16	263	1176	28824	5586																
07/14/16	264	975	28813	5554	277	896	22849	2875	255	811	20678	1042	313	986	23390	3805	932	2070	53736	6963
07/15/16	285	1038	30133	5843																
07/16/16	265	940	27813	5390																
07/17/16	273	1012	29898	5759																
07/18/16	272	1176	29255	5657	238	759	19629	2502	222	729	18185	919	300	937	22090	3605	807	1816	47563	6161
07/19/16	281	1215	30238	5817																

Remediated Nitrate Salt Container Headspace Gas Analysis

Date	SB50452 - 69076				SB50522 - 69490				68430				68507				70503 - 68540			
	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm
06/15/16					802	1554	27273	5820												
06/16/16	369	1207	24138	3744	839	1629	28236	5989												
06/17/16					805	1542	26477	5622												
06/18/16					831	1546	27014	5841												
06/19/16					828	1662	26786	5668												
06/20/16	396	1286	25048	3847	833	1603	27226	5824												
06/21/16					830	1598	27751	6043												
06/22/16					911	1877	28076	5664												
06/23/16	411	1269	26224	3810	920	2057	29250	5583												
06/24/16					931	1906	29520	5975												
06/25/16					864	1804	27707	5594												
06/26/16					885	1683	27855	5635												
06/27/16	432	1356	27246	4012	999	1808	31727	6405												
06/28/16					974	2022	29793	6044												
06/29/16					795	1482	25396	5152												
06/30/16	424	1554	25647	3801	857	1603	26878	5480												
07/01/16					867	1803	26899	5469												
07/02/16					877	1747	26436	5386												
07/03/16					914	1651	28032	5715												
07/04/16					885	1887	27243	5567												
07/05/16	394	1224	24802	3759	900	1600	26842	5439												
07/06/16					818	1484	24894	5066									14	0	1379	60
07/07/16	315	1235	21250	3130	916	1913	28264	5726												
07/08/16					861	1565	26017	5241												
07/09/16					941	1958	28913	5846												
07/10/16					889	1887	27581	5601												
07/11/16	440	1301	26372	3932	770	1437	23948	4835												
07/12/16					939	1734	28850	5850												
07/13/16					878	1896	26733	5443	200	217	4021	790	92	43	1152	82				
07/14/16	430	1284	25601	3825	839	1531	25747	5258												
07/15/16					924	1722	28539	5833												
07/16/16					918	1710	28455	5762												
07/17/16					818	1522	25444	5148												
07/18/16	410	1240	25030	3759	850	1770	25776	5248												
07/19/16					870	1875	26772	5504												

Remediated Nitrate Salt Container Headspace Gas Analysis

Date	70503 - 68553				68567 - 68567				68624 - 68624				68631 - 68631				68638 - 68638			
	H ² ppm	CO ppm	CO ² ppm	N ² O ppm	H ² ppm	CO ppm	CO ² ppm	N ² O ppm	H ² ppm	CO ppm	CO ² ppm	N ² O ppm	H ² ppm	CO ppm	CO ² ppm	N ² O ppm	H ² ppm	CO ppm	CO ² ppm	N ² O ppm
06/15/16																				
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06/30/16																				
07/01/16																				
07/02/16																				
07/03/16																				
07/04/16																				
07/05/16																				
07/06/16	50	148	3990	364																
07/07/16																				
07/08/16																				
07/09/16																				
07/10/16																				
07/11/16																				
07/12/16									43	173	2990	435								
07/13/16													18	0	1320	141	11	0	720	0
07/14/16																				
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07/17/16																				
07/18/16																				
07/19/16					29	60	1830	179												

Remediated Nitrate Salt Container Headspace Gas Analysis

Date	69013				69015				69036 - 69036				69298 - 69298				69445 - 69445			
	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm
06/15/16																				
06/16/16																				
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07/02/16																				
07/03/16																				
07/04/16																				
07/05/16																				
07/06/16	24	0	701	0													301	932	19707	1808
07/07/16																				
07/08/16													706	1394	28982	3894				
07/09/16																				
07/10/16																				
07/11/16																				
07/12/16					79	45	1052	90												
07/13/16																				
07/14/16																				
07/15/16																				
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07/17/16																				
07/18/16																				
07/19/16																				

Remediated Nitrate Salt Container Headspace Gas Analysis

Date	69519				69520				69548 - 69548				69559 - 69559				69568 - 69568					
	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm		
06/15/16																						
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07/01/16																						
07/02/16																						
07/03/16																						
07/04/16																						
07/05/16																						
07/06/16					108	155	2208	815														
07/07/16																						
07/08/16																						
07/09/16																						
07/10/16																						
07/11/16																						
07/12/16																						
07/13/16																	117	419	1776	875		
07/14/16																						
07/15/16																						
07/16/16																						
07/17/16																						
07/18/16																						
07/19/16	295	472	6585	2112																		

Remediated Nitrate Salt Container Headspace Gas Analysis

Date	69598				69604				69618 - 69618				69620 - 69620				69630 - 69630				
	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	
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07/05/16																					
07/06/16									125	292	6247	714	416	892	17784	3037					
07/07/16																					
07/08/16																	486	1201	26431	2184	
07/09/16																					
07/10/16																					
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07/15/16																					
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07/17/16																					
07/18/16																					
07/19/16	33	0	707	37																	

Remediated Nitrate Salt Container Headspace Gas Analysis

Date	69633 - 69633				69634 - 69634				69635 - 69635				69636 - 69636				69637 - 69637			
	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm
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07/03/16																				
07/04/16																				
07/05/16																				
07/06/16																				
07/07/16																				
07/08/16													272	569	17603	1934				
07/09/16																				
07/10/16																				
07/11/16																				
07/12/16	454	795	19185	2110					214	467	9745	571					210	684	9080	2270
07/13/16																				
07/14/16																				
07/15/16																				
07/16/16																				
07/17/16																				
07/18/16																				
07/19/16					117	74	4805	569												

Remediated Nitrate Salt Container Headspace Gas Analysis

Date	69638 - 69638				69639 - 69639				69641 - 69641				69642 - 69642				69644 - 69644				
	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	
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07/04/16																					
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07/06/16									566	1365	18126	5706									
07/07/16																					
07/08/16													86	238	6986	704					
07/09/16																					
07/10/16																					
07/11/16																					
07/12/16	450	901	13260	1860	126	234	7556	412									270	511	11106	2252	
07/13/16																					
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07/19/16																					

Remediated Nitrate Salt Container Headspace Gas Analysis

Date	69645 - 69645				93605 - 93605				94068 - 94068				94227 - 94227				SB02198 - 68408				
	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	
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07/10/16																					
07/11/16																					
07/12/16																					
07/13/16													34	73	823	589					
07/14/16																					
07/15/16																					
07/16/16																					
07/17/16																					
07/18/16																					
07/19/16	273	975	17277	2574	380	1268	17405	5365	477	1626	26244	6006					110	297	4384	503	

Remediated Nitrate Salt Container Headspace Gas Analysis

Date	SB02203 - 92669				SB50073 - 69079				SB50418 - 69595				SB50431 - 69280				SB50442 - 68648			
	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm
06/15/16																				
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07/05/16																				
07/06/16																				
07/07/16																				
07/08/16	42	174	4950	234	720	1803	26719	6070					309	677	19118	2327				
07/09/16																				
07/10/16																				
07/11/16																				
07/12/16																				
07/13/16																	260	711	10252	1842
07/14/16																				
07/15/16																				
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07/18/16																				
07/19/16																				

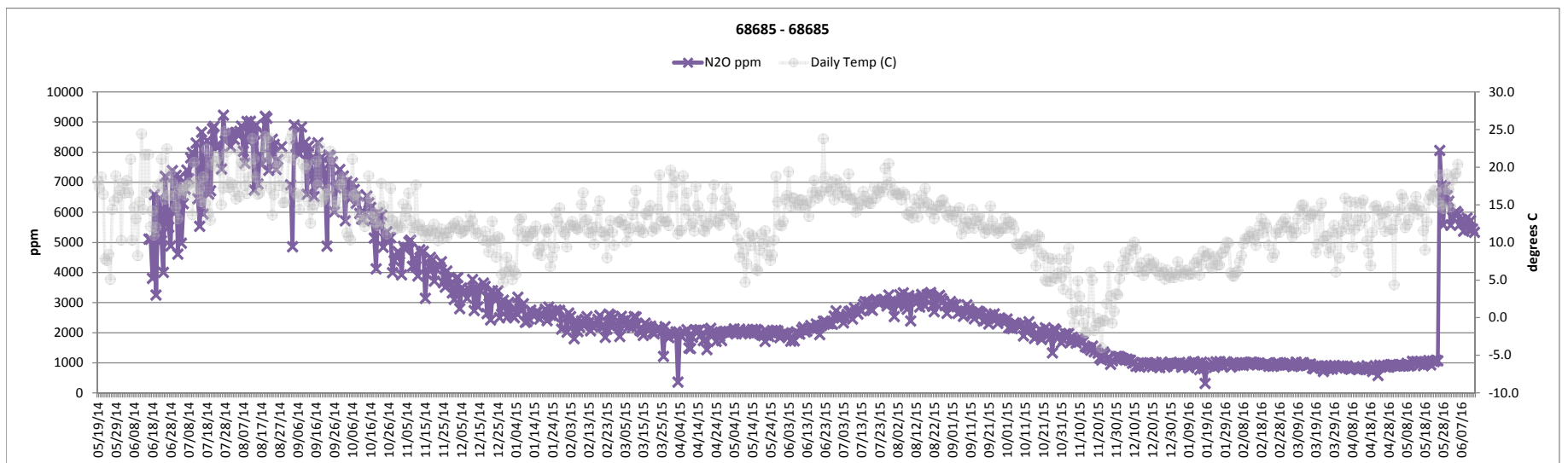
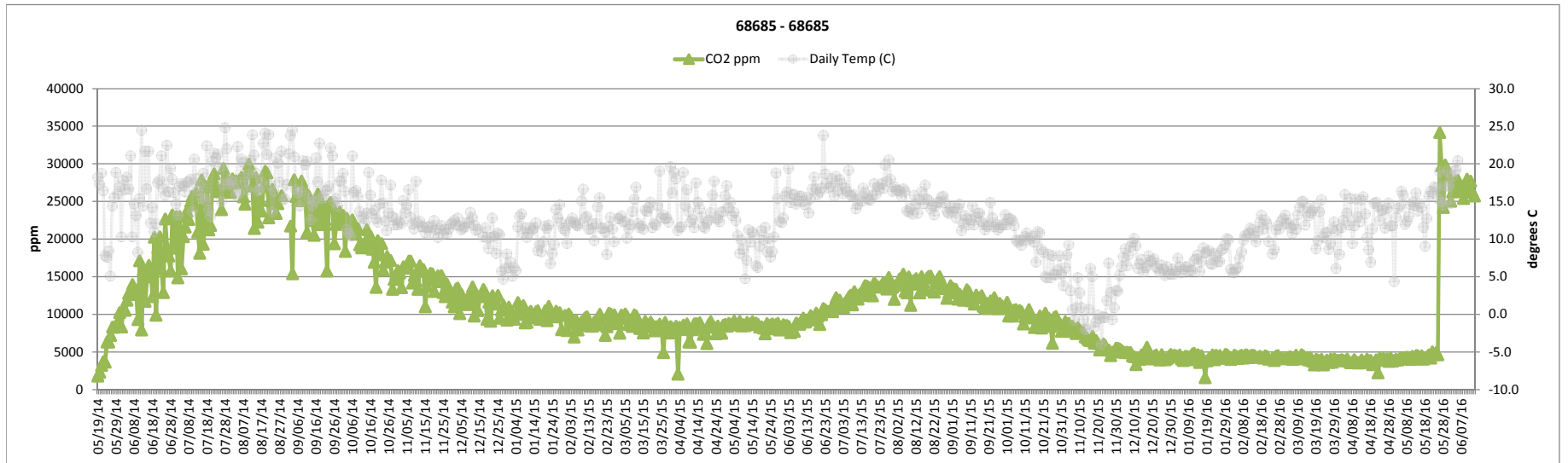
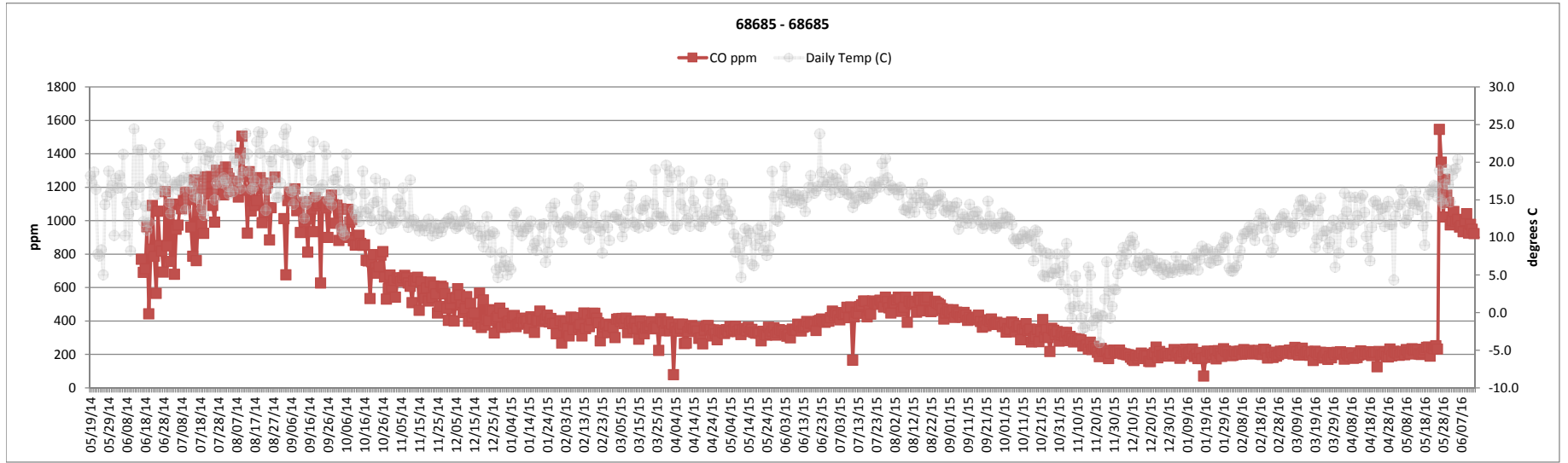
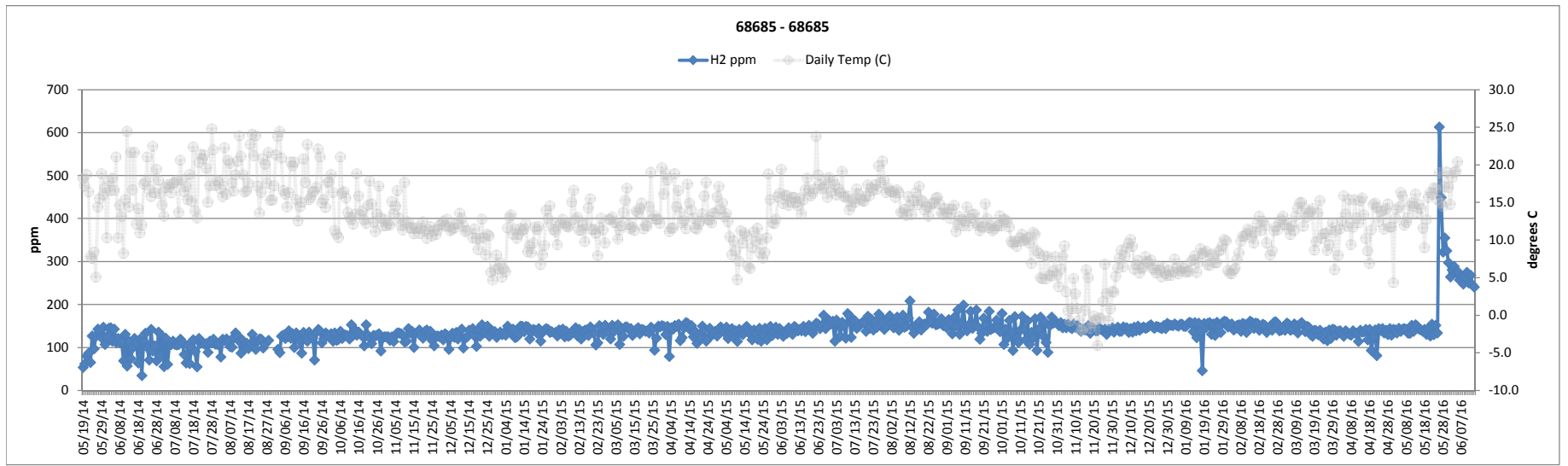
Remediated Nitrate Salt Container Headspace Gas Analysis

Date	SB50443 - 69183				SB50448 - 69491				SB50451 - 69361				SB50529 - 68665				SB50559 - 92459			
	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm
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07/06/16																				
07/07/16																				
07/08/16	178	686	11664	2210																
07/09/16																				
07/10/16																				
07/11/16	613	1175	18532	3467																
07/12/16																				
07/13/16																	50	81	3062	122
07/14/16																				
07/15/16																				
07/16/16																				
07/17/16																				
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07/19/16																				

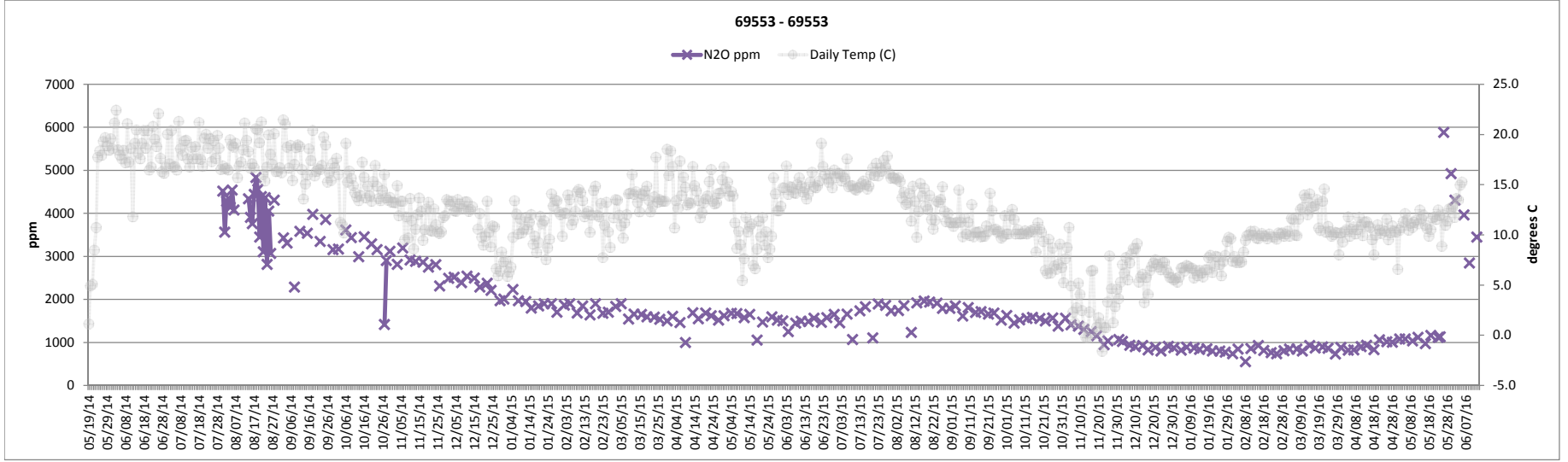
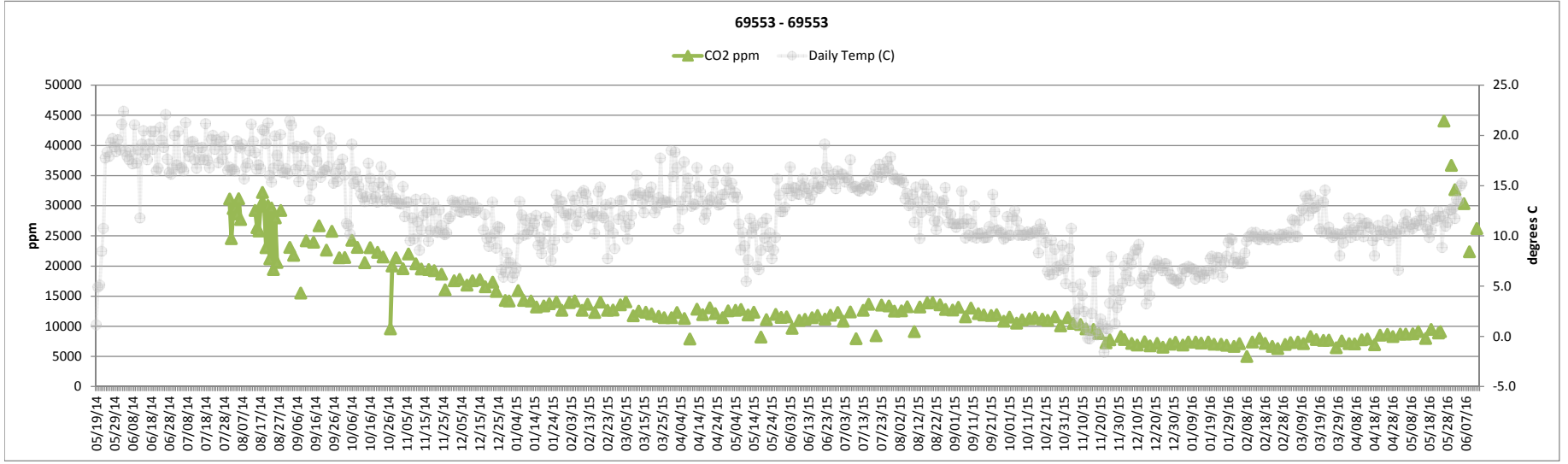
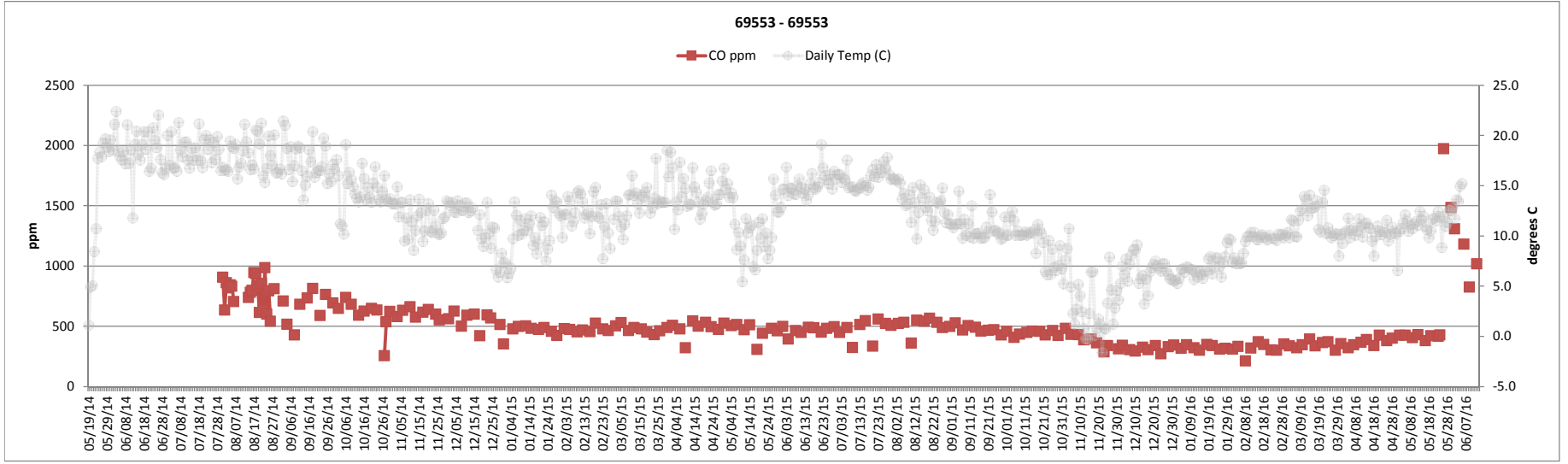
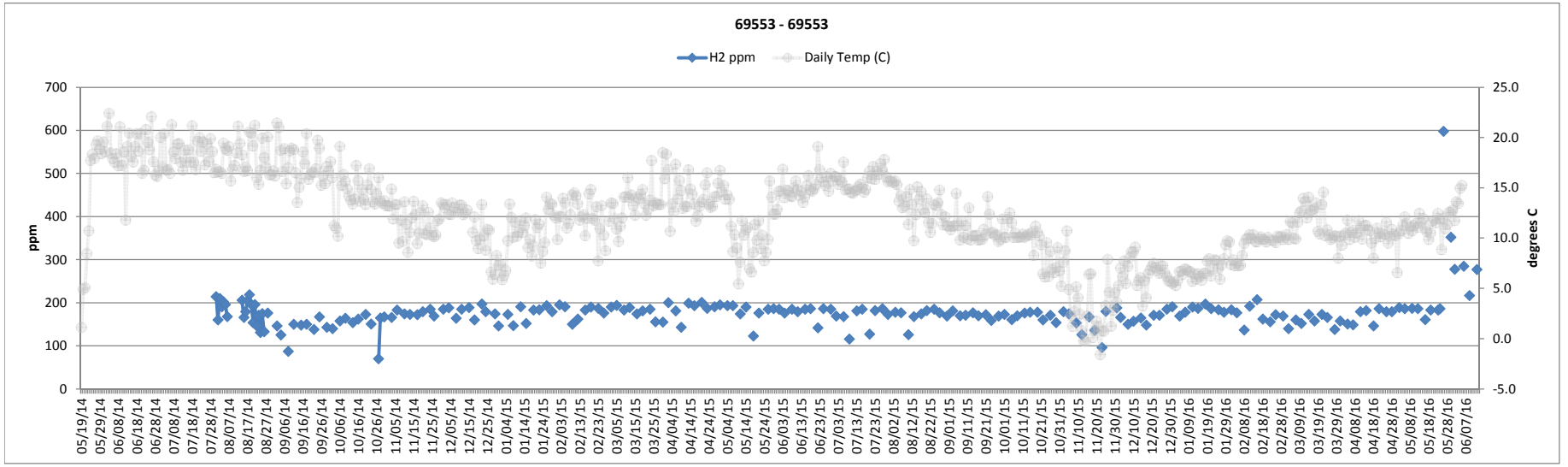
Remediated Nitrate Salt Container Headspace Gas Analysis

Date	SB50559 - 92472				87823				87825				87826				87827					
	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm	H ₂ ppm	CO ppm	CO ₂ ppm	N ₂ O ppm		
06/15/16																						
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07/01/16																						
07/02/16																						
07/03/16																						
07/04/16																						
07/05/16					159	149	4038	765	164	169	5712	1072	189	235	8151	1228	54	97	3051	359		
07/06/16																						
07/07/16																						
07/08/16																						
07/09/16																						
07/10/16																						
07/11/16																						
07/12/16																						
07/13/16	69	282	3759	309																		
07/14/16																						
07/15/16																						
07/16/16																						
07/17/16																						
07/18/16																						
07/19/16																						

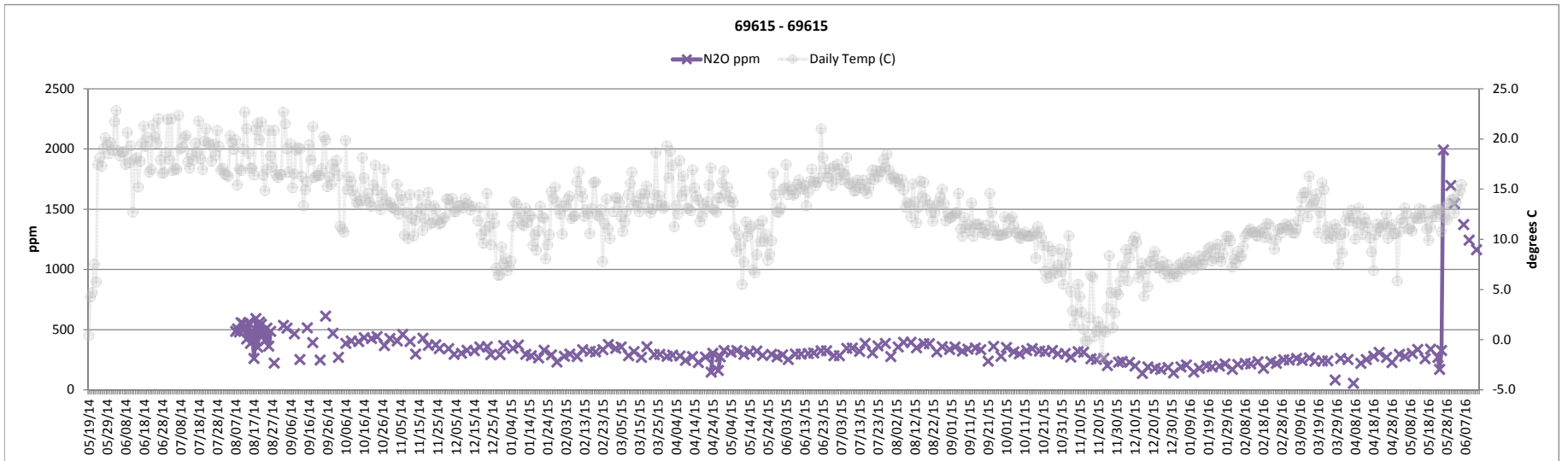
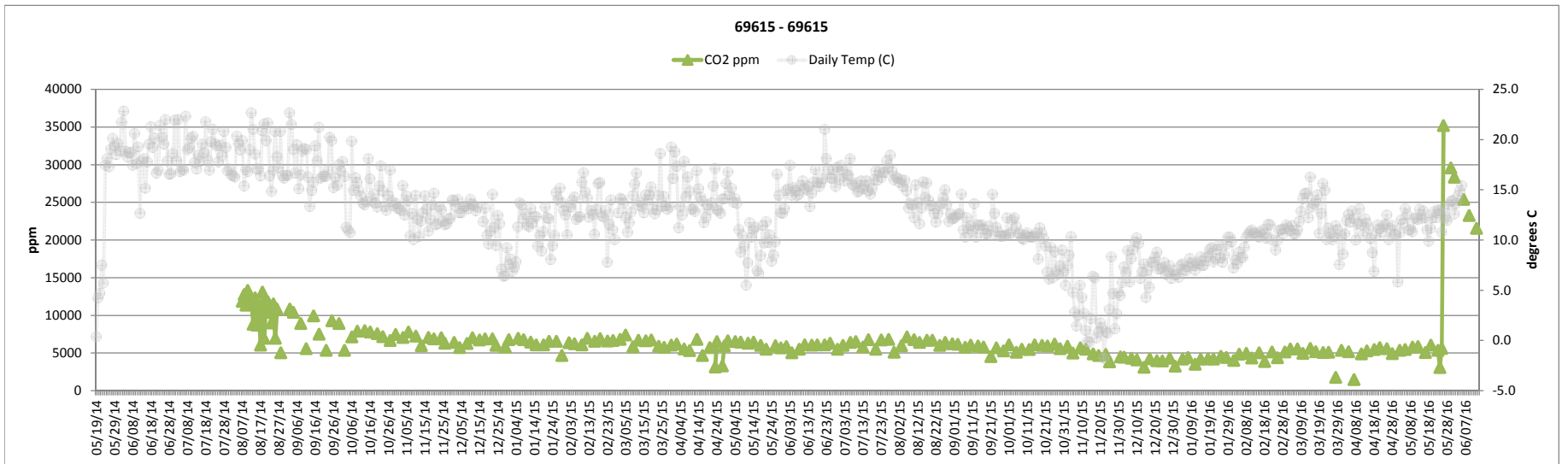
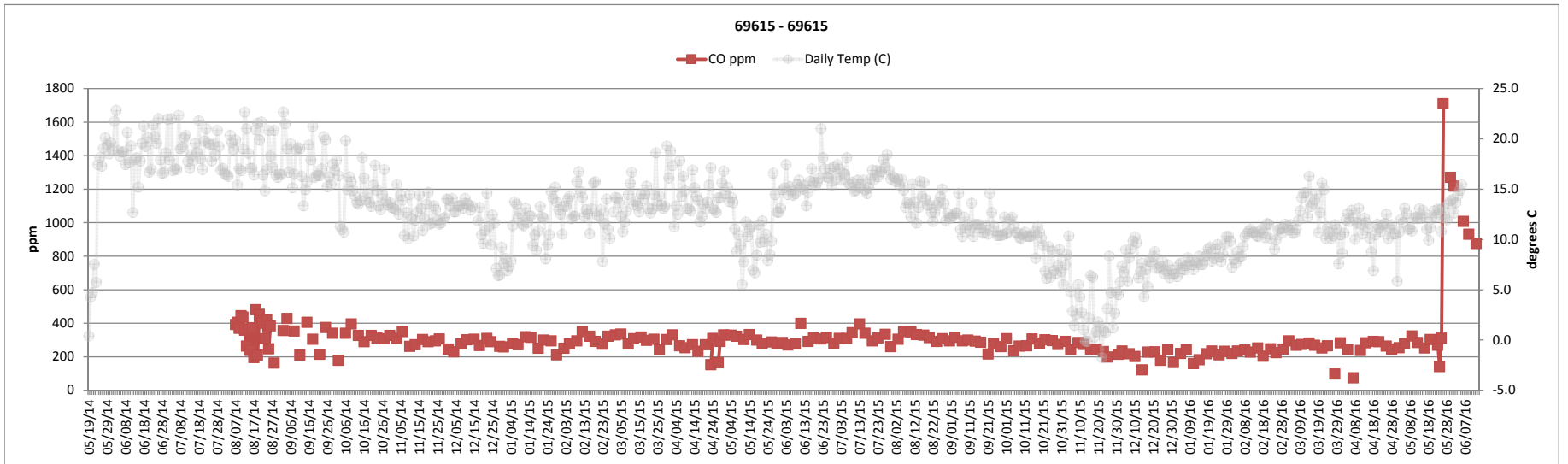
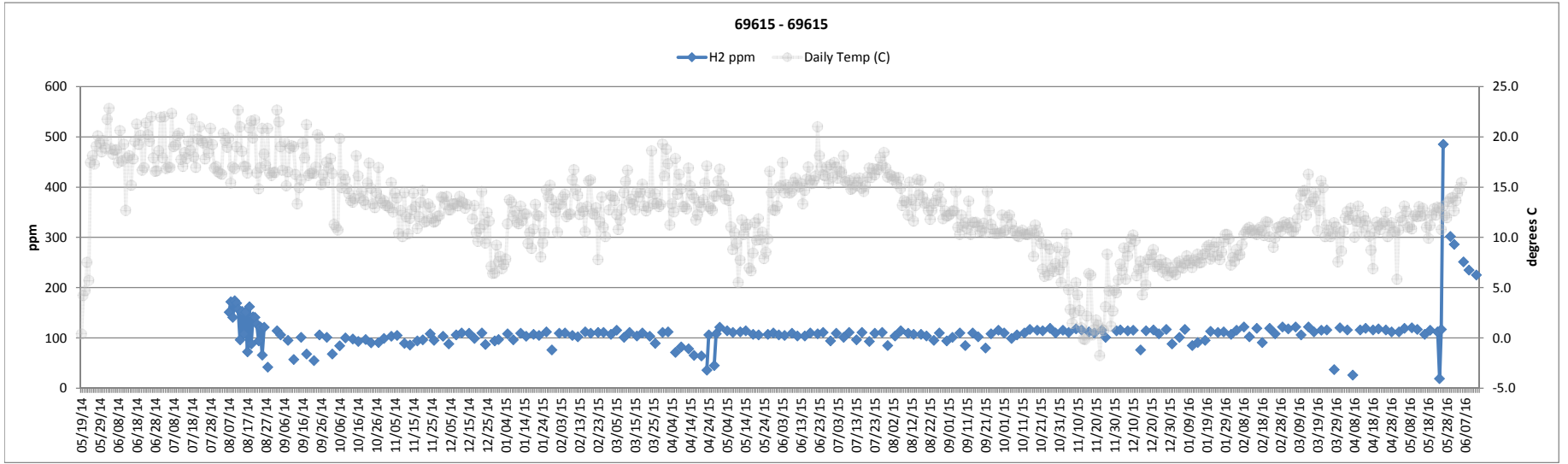
Remediated Nitrate Salt Container Headspace Gas and Temperature



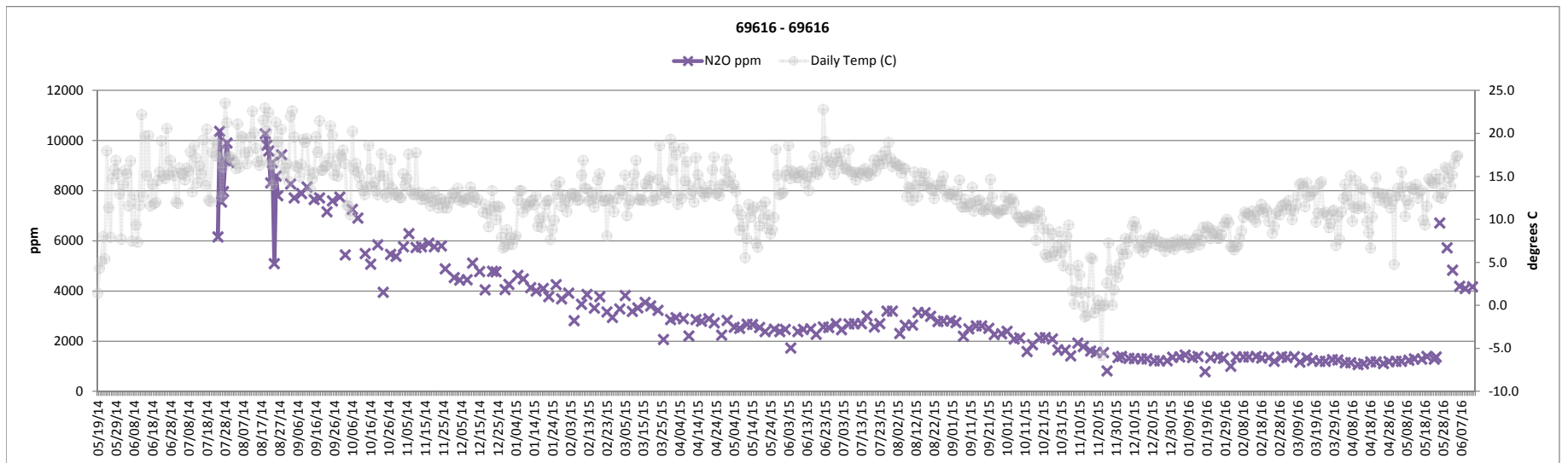
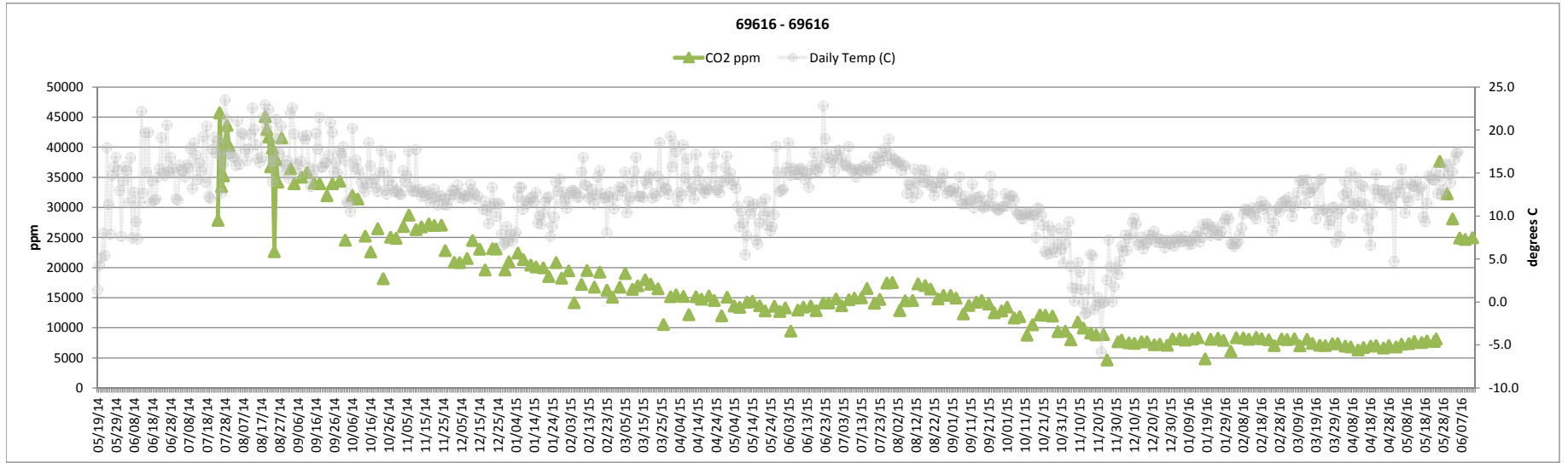
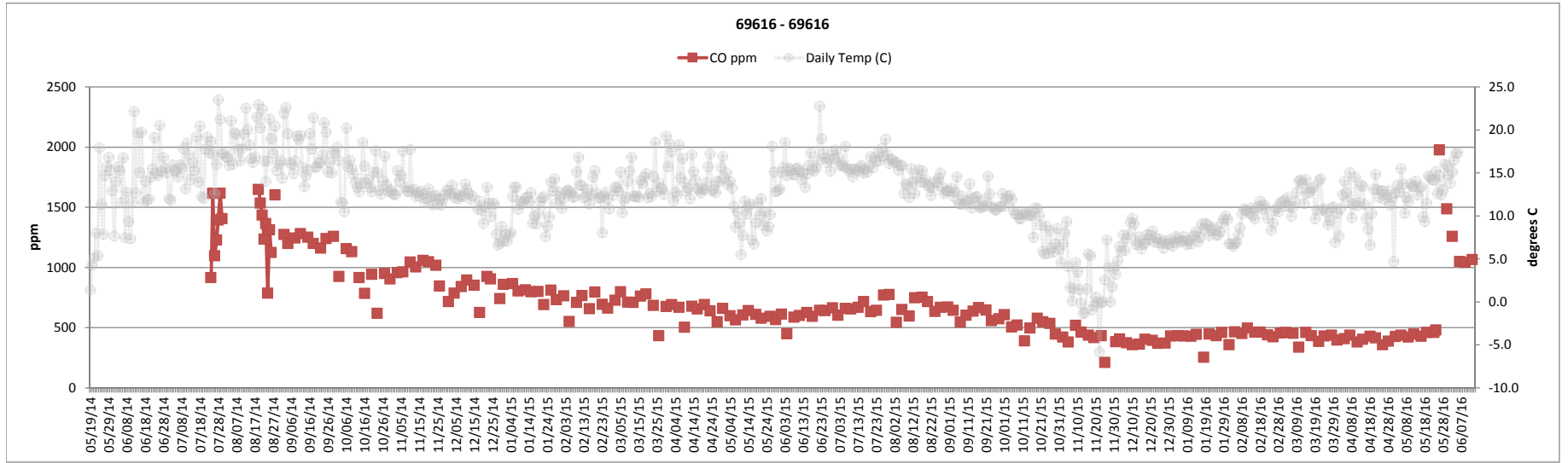
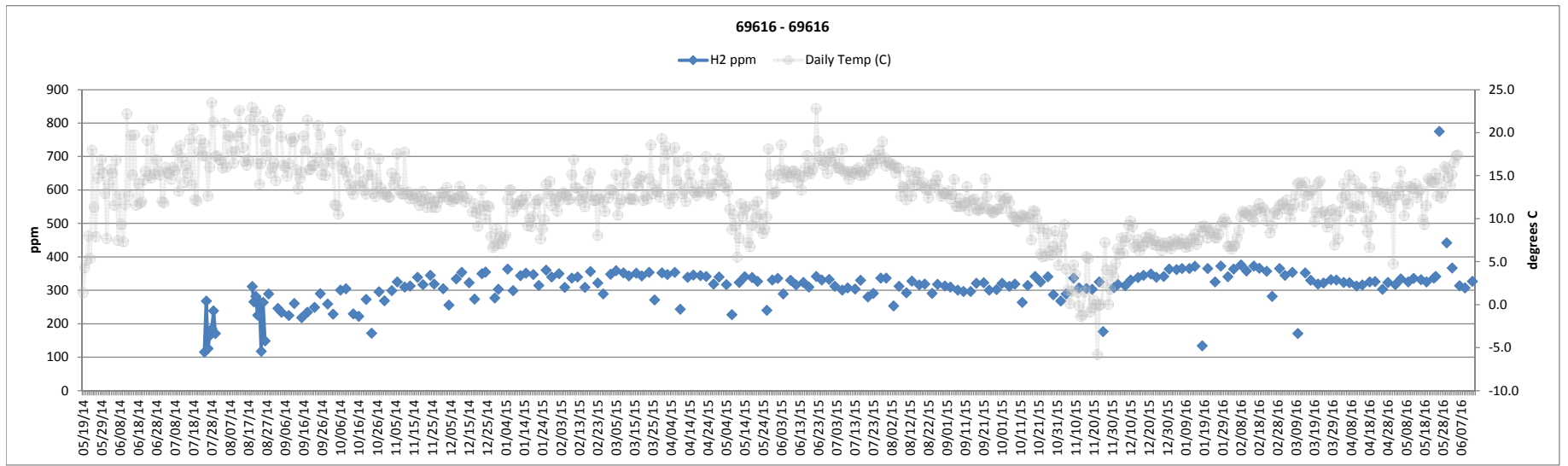
Remediated Nitrate Salt Container Headspace Gas and Temperature



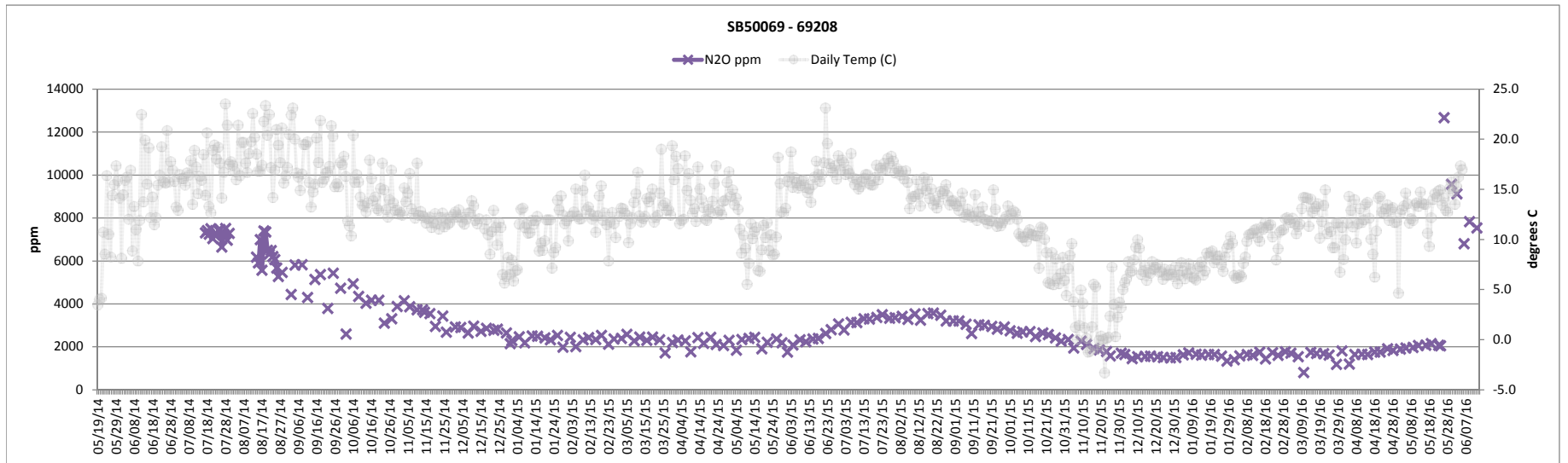
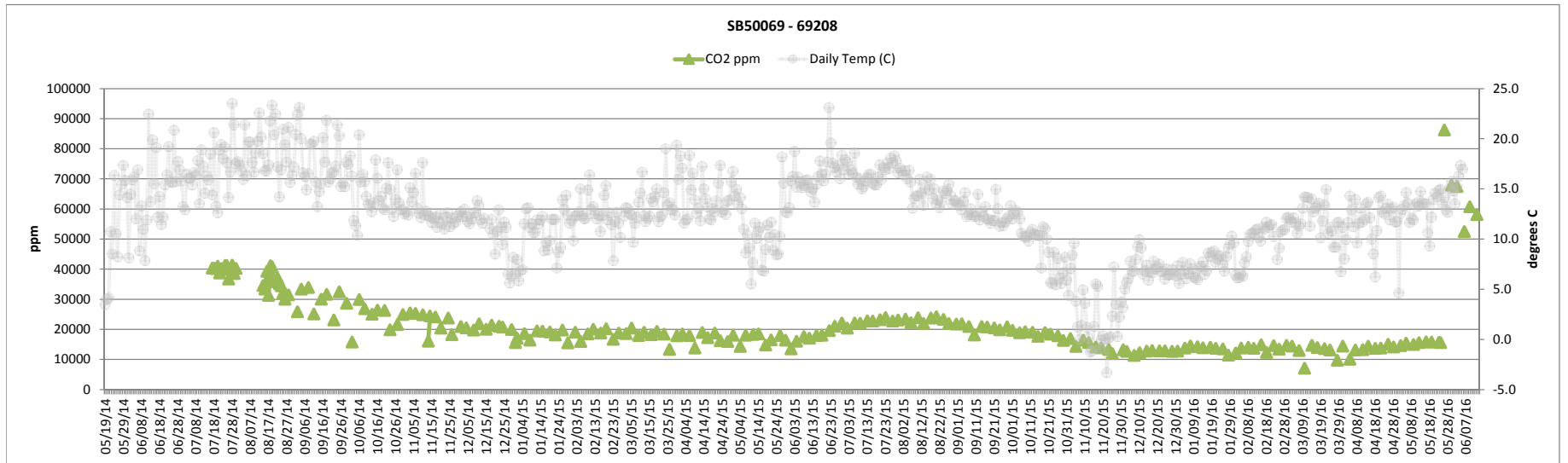
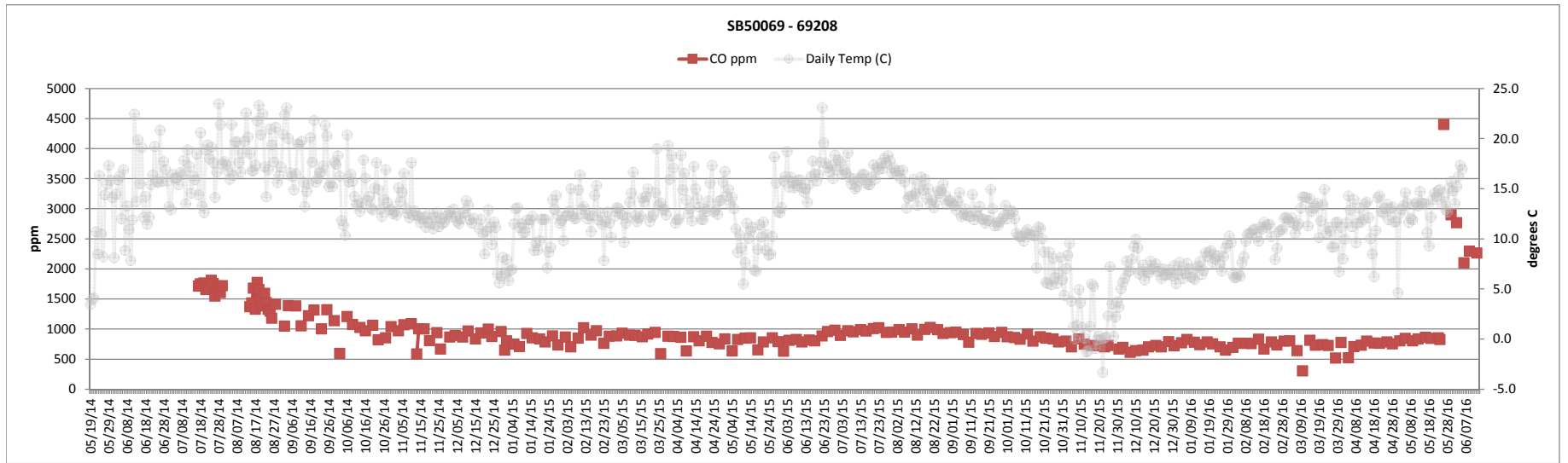
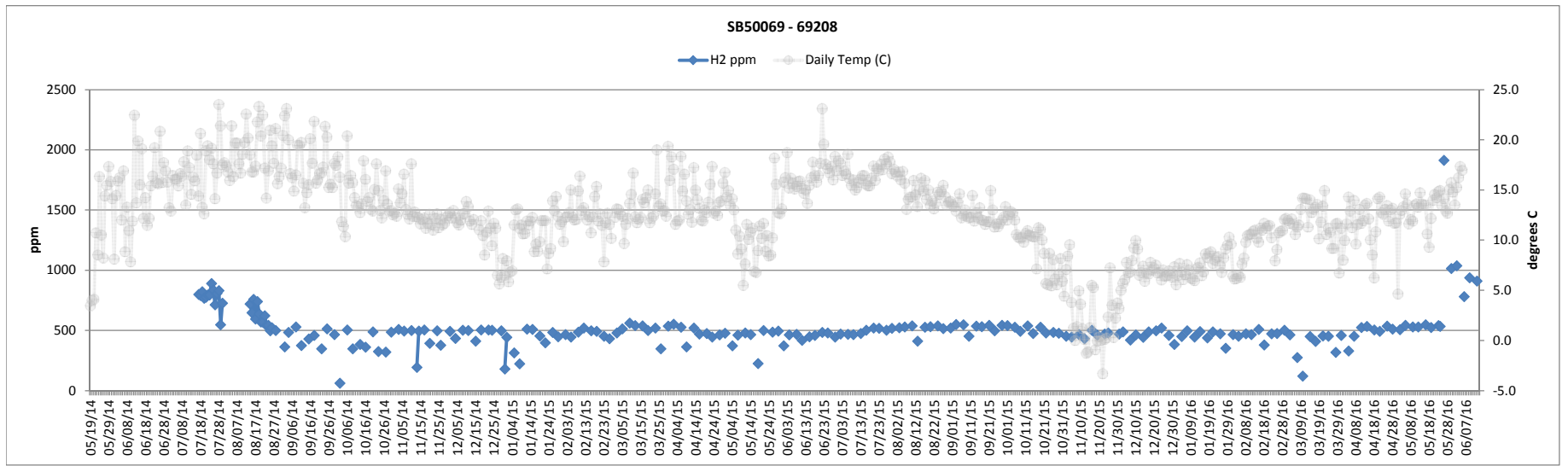
Remediated Nitrate Salt Container Headspace Gas and Temperature



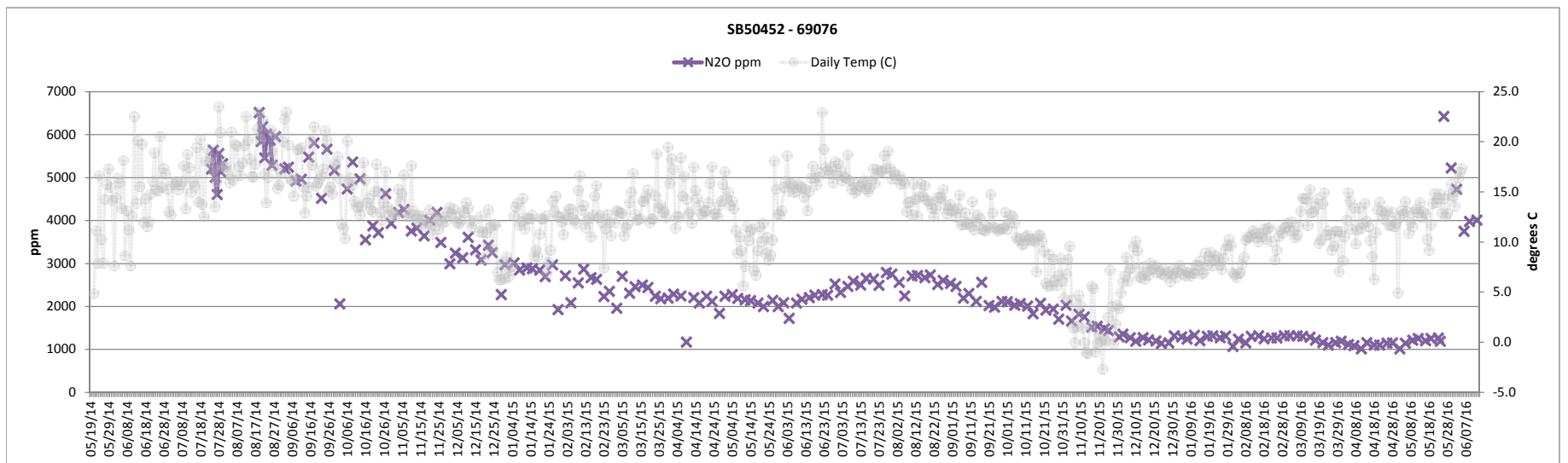
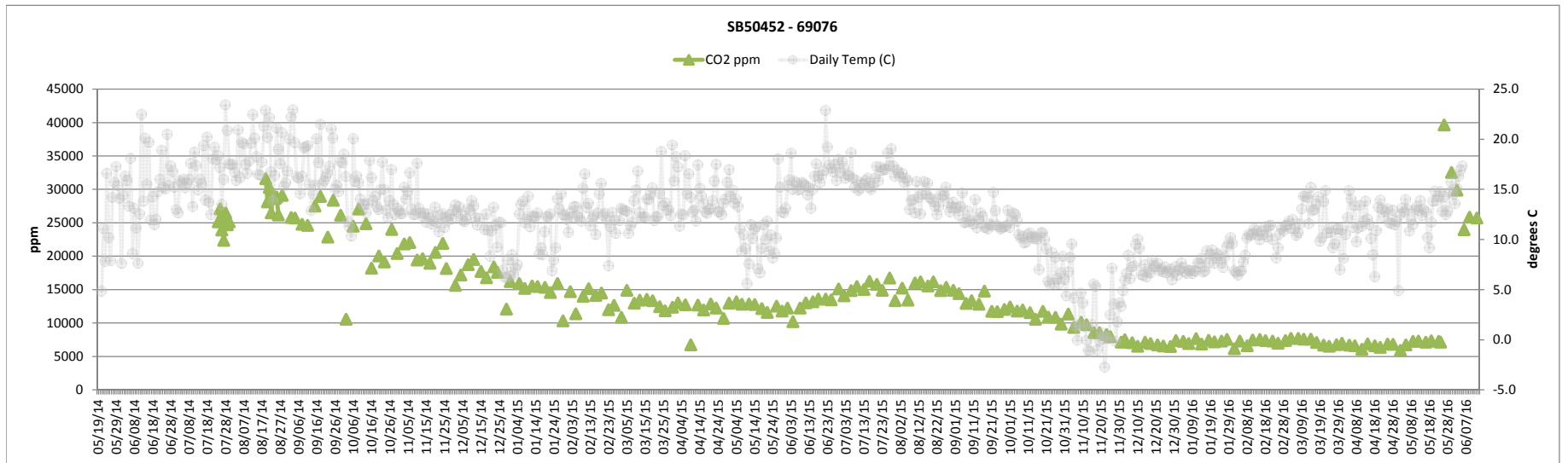
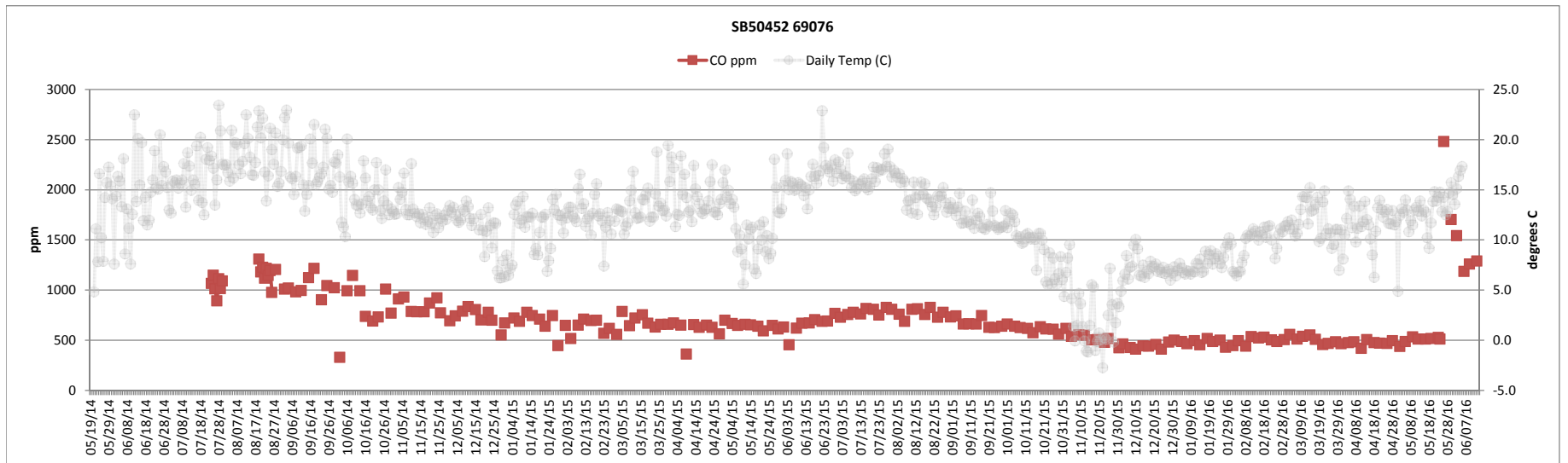
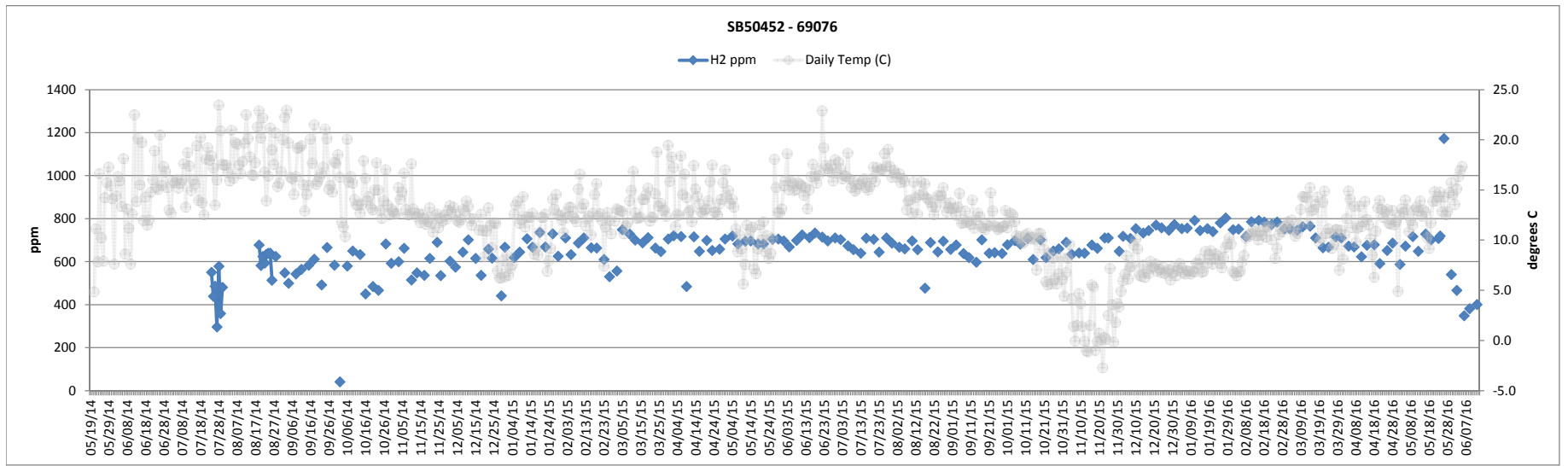
Remediated Nitrate Salt Container Headspace Gas and Temperature



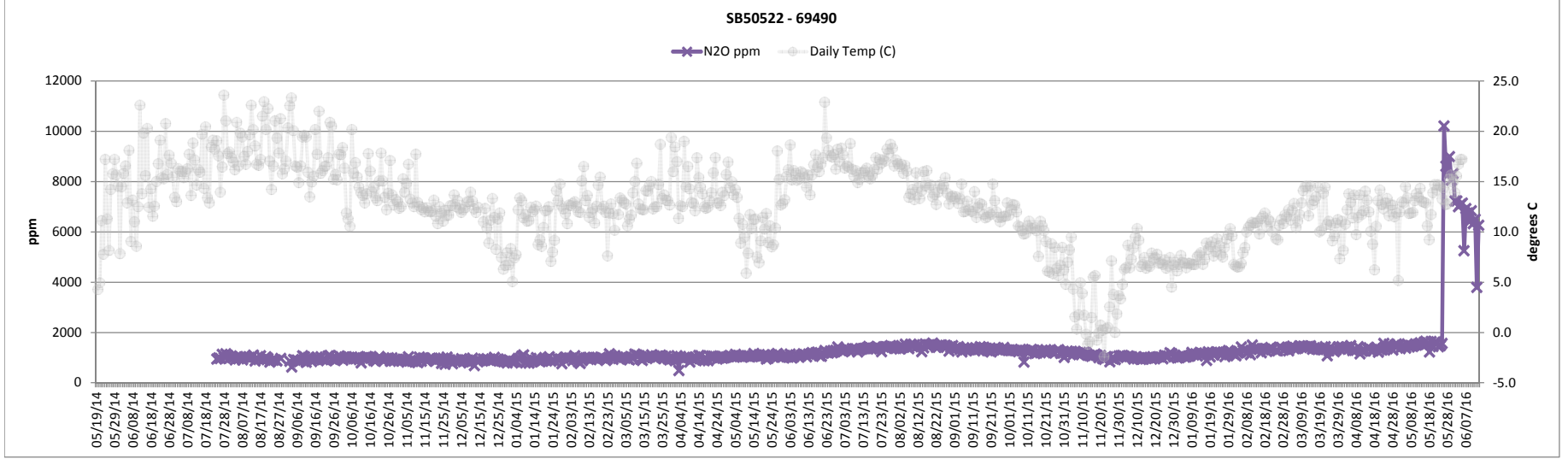
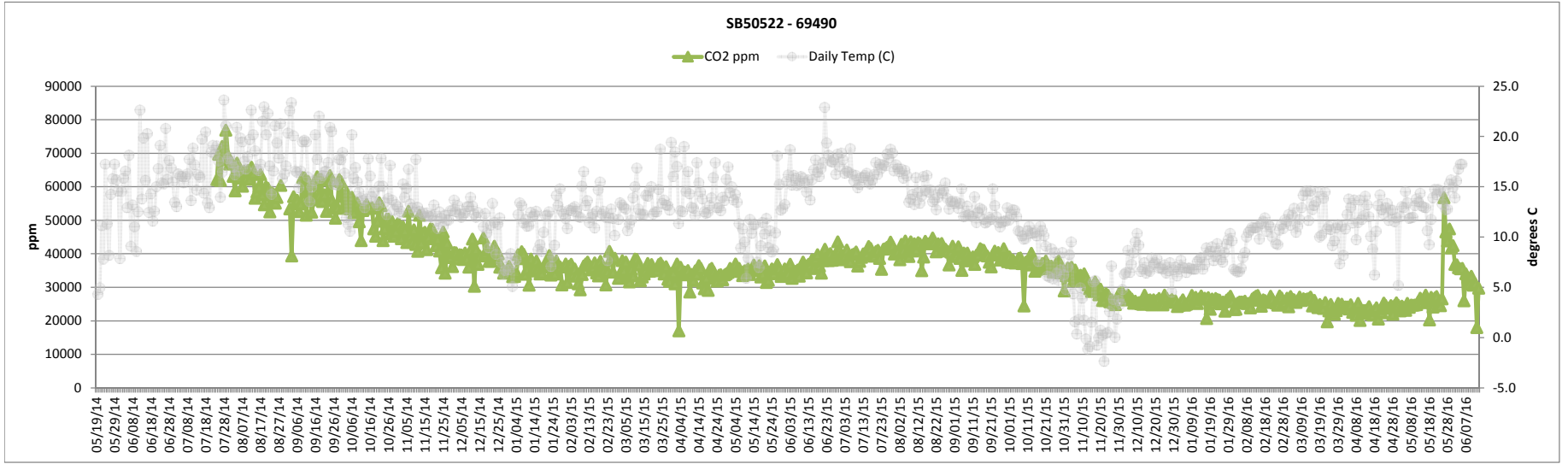
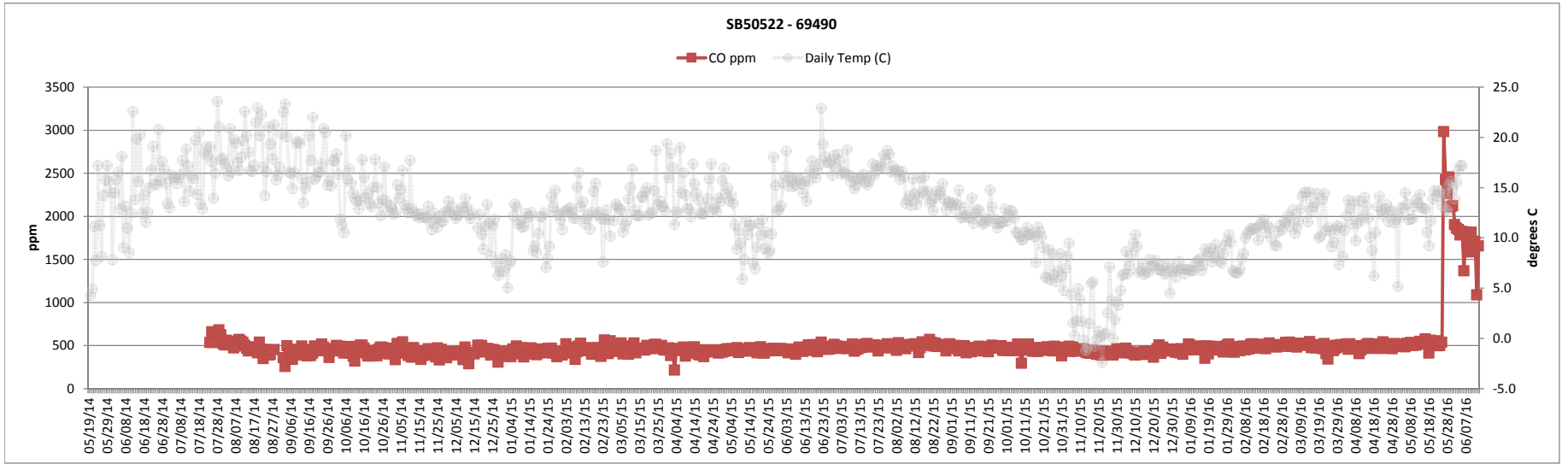
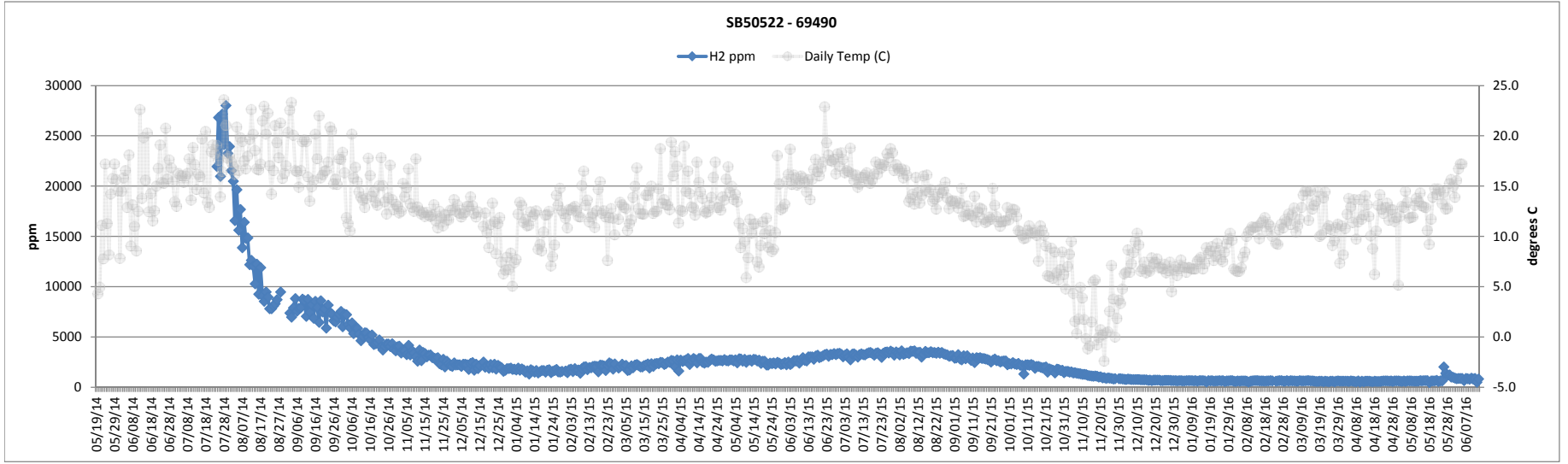
Remediated Nitrate Salt Container Headspace Gas and Temperature



Remediated Nitrate Salt Container Headspace Gas and Temperature



Remediated Nitrate Salt Container Headspace Gas and Temperature



UET

ATTACHMENT 2

Page 1 of 3

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

6.[4] Date: From 6-13-16 to 6-19-16

	Monday 6.[4] Start Time: <u>1329</u>	Tuesday 6.[4] Start Time: <u>1304</u>	Wednesday 6.[4] Start Time: <u>1315</u>	Thursday 6.[4] Start Time: <u>1341</u>	Friday 6.[4] Start Time: <u>1305</u>	Saturday 6.[4] Start Time: <u>1302</u>	Sunday 6.[4] Start Time: <u>1300</u>
TA-54-0375 Cell 1							
Calibrated infrared thermometer (4.2[1][B])	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>
Ambient Temperature(6.[5])	<u>63.9</u> °F	<u>63.9</u> °F <u>62.5</u> <u>62.5</u>	<u>63.4</u> °F	<u>66.0</u> °F	<u>62.5</u> °F	<u>61.9</u> °F	<u>65.4</u> °F
(S) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[6])	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT
Container ID #	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
68685	<u>68.4</u>	<u>68.4</u> <u>63.3</u>	<u>67.4</u>	<u>68.6</u>	<u>68.3</u>	<u>62.3</u>	<u>66.2</u>
LA00000070503	68540 <u>64.1</u>	<u>64.1</u> <u>61.5</u>	<u>63.2</u>	<u>65.3</u>	<u>61.7</u>	<u>61.6</u>	<u>65.4</u>
	68553 <u>63.4</u>	<u>63.4</u> <u>62.8</u>	<u>62.5</u>	<u>64.8</u>	<u>61.7</u>	<u>61.4</u>	<u>64.8</u>
69445	<u>63.7</u>	<u>63.7</u> <u>62.2</u>	<u>61.7</u>	<u>65.0</u>	<u>61.4</u>	<u>60.8</u>	<u>66.1</u>
69618	<u>63.0</u>	<u>63.0</u> <u>62.3</u>	<u>62.3</u>	<u>65.5</u>	<u>61.8</u>	<u>61.0</u>	<u>64.6</u>
69013	<u>64.6</u>	<u>64.6</u> <u>62.6</u>	<u>63.5</u>	<u>65.8</u>	<u>62.5</u>	<u>62.8</u>	<u>66.0</u>
LASB50522 69076	<u>62.3</u>	<u>62.3</u> <u>60.3</u>	<u>61.5</u>	<u>64.6</u>	<u>60.8</u>	<u>60.5</u>	<u>63.9</u>
LASB50452 69490	<u>62.6</u>	<u>62.6</u> <u>60.6</u>	<u>61.4</u>	<u>63.3</u>	<u>60.8</u>	<u>60.5</u>	<u>63.7</u>
LASB50431 69280	<u>62.2</u>	<u>62.2</u> <u>61.4</u>	<u>60.7</u>	<u>62.7</u>	<u>59.6</u>	<u>58.9</u>	<u>64.2</u>
LASB50069 69208	<u>61.2</u>	<u>61.2</u> <u>60.7</u>	<u>60.9</u>	<u>64.1</u>	<u>60.1</u>	<u>59.8</u>	<u>63.5</u>
LASB50073 69079	<u>62.8</u>	<u>62.8</u> <u>62.1</u>	<u>62.7</u>	<u>63.9</u>	<u>60.8</u>	<u>60.2</u>	<u>64.1</u>
69636	<u>61.1</u>	<u>61.1</u> <u>59.5</u>	<u>61.6</u>	<u>62.6</u>	<u>60.3</u>	<u>59.2</u>	<u>63.4</u>

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6-13-16

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6.[4] Date: From 6-13-16 to 6-19-16

Container ID #	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
TA-54-0375 Cell 1 (continued)							
69616	62.6	61.3	61.7	63.1	60.2	60.4	64.2
69417	N/A	N/A	N/A	N/A	N/A	N/A	N/A
69620	62.7	60.2	62.2	65.2	61.2 ⁶⁻¹²⁻¹⁶	60.6	64.9
69520	62.5	60.9	62.4	64.4	60.7 ⁶⁻¹¹⁻¹⁶	60.7	64.7
69641	62.4	60.5	62.2	63.7	60.7	60.5	64.2
69298	60.5	59.3	61.6	63.3	60.5	59.6	63.2
LASB02203 92669	59.0	58.3	60.0	61.5	58.9	58.6	61.9
End Time (6.[14])	1334	1312	1319	1345	1310	1307	1304
6.[14]	WO: <u>JA</u> WO: <u>FK</u>	WO: <u>JA</u> WO: <u>FK</u>	WO: <u>JA</u> WO: <u>FK</u>	WO: <u>JA</u> WO: <u>FK</u>	WO: <u>JA</u> WO: <u>FK</u>	WO: <u>JA</u> WO: <u>FK</u>	WO: <u>JA</u> WO: <u>FK</u>

Comments:

SWB/drum 69417 is no longer considered a RNS drum by LANL or NMED

NOTE: Containers marked by an (*) are POCs.

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6.[4] Date: From 6-13-16 to 6-19-16

6.[18] Performed by:

Waste Operator (print)	Signature	Z#	Initials	Date
Tina Aguirre	<i>Tina Aguirre</i>	1749701	TA	6-13-16
Fabian Anaya	<i>Fabian Anaya</i>	174503	FA	6-13-16
Tina Aguirre	<i>Tina Aguirre</i>	1749701	TA	6-14-16
Juan Garcia	<i>Juan Garcia</i>	169840	JG	6-14-16
Juan Garcia	<i>Juan Garcia</i>	169840	JG	6-15-16
Laura Montoya	<i>Laura Montoya</i>	191526	LM	6-15-16
Tina Aguirre	<i>Tina Aguirre</i>	1749701	TA	6-16-16

Waste Operator (print)	Signature	Z#	Initials	Date
Fabian Anaya	<i>Fabian Anaya</i>	174503	FA	6-16-16
Tina Aguirre	<i>Tina Aguirre</i>	1749701	TA	6-17-16
Laura Montoya	<i>Laura Montoya</i>	191526	LM	6-17-16
Tina Aguirre	<i>Tina Aguirre</i>	1749701	TA	6-18-16
Laura Montoya	<i>Laura Montoya</i>	191526	LM	6-18-16
Tina Aguirre	<i>Tina Aguirre</i>	1749701	TA	6-19-16
Laura Montoya	<i>Laura Montoya</i>	191526	LM	6-19-16

9.1[2] Reviewed by:

SOM (print)	Signature	Z#	Initials	Date

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

6.[4] Date: From 6-13-16 to 6-19-16

		Monday 6.[4] Start Time: <u>1324</u>	Tuesday 6.[4] Start Time: <u>1313</u>	Wednesday 6.[4] Start Time: <u>1320</u>	Thursday 6.[4] Start Time: <u>1338</u>	Friday 6.[4] Start Time: <u>1311</u>	Saturday 6.[4] Start Time: <u>1308</u>	Sunday 6.[4] Start Time: <u>1305</u>
TA-54-0375 Cell 2								
Calibrated infrared thermometer (4.2[1][B])		Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-8-16</u> File Number: <u>101916</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-8-16</u> File Number: <u>101916</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-8-16</u> File Number: <u>101916</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-8-16</u> File Number: <u>101916</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-5-16</u> File Number: <u>101974</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-5-16</u> File Number: <u>101974</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-22-16</u> File Number: <u>101974</u>
Ambient Temperature (6.[5])		<u>57.7</u> °F	<u>56.7</u> °F	<u>56.4</u> °F	<u>58.4</u> °F	<u>57.1</u> °F	<u>57.0</u> °F	<u>60.9</u> °F
(S) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[6])		<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT
Container ID #		Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
LASB02198	68408	<u>55.7</u>	<u>53.7</u>	<u>54.1</u>	<u>56.3</u>	<u>54.4</u>	<u>55.1</u>	<u>56.8</u>
	68638	<u>57.9</u>	<u>55.7</u>	<u>57.9</u>	<u>58.2</u>	<u>56.8</u>	<u>56.4</u>	<u>59.0</u>
	69615	<u>58.5</u>	<u>57.8</u>	<u>58.4</u>	<u>59.9</u>	<u>57.5</u>	<u>58.2</u>	<u>61.2</u>
	69635	<u>57.1</u>	<u>57.3</u>	<u>58.5</u>	<u>59.6</u>	<u>58.3</u>	<u>58.1</u>	<u>62.0</u>
	69642	<u>60.5</u>	<u>58.2</u>	<u>60.0</u>	<u>60.8</u>	<u>58.8</u>	<u>58.9</u>	<u>62.3</u>
	69630	<u>58.2</u>	<u>57.9</u>	<u>57.3</u>	<u>58.2</u>	<u>58.0</u>	<u>58.6</u>	<u>62.4</u>
	69633	<u>60.1</u>	<u>56.5</u>	<u>58.6</u>	<u>58.3</u>	<u>57.1</u>	<u>57.1</u>	<u>61.2</u>
	68430	<u>59.5</u>	<u>58.5</u>	<u>59.4</u>	<u>61.5</u>	<u>59.1</u>	<u>58.4</u>	<u>62.3</u>
	68631	<u>56.7</u>	<u>55.2</u>	<u>57.4</u>	<u>56.6</u>	<u>55.1</u>	<u>54.4</u>	<u>58.4</u>
	69634	<u>55.2</u>	<u>53.1</u>	<u>53.6</u>	<u>55.4</u>	<u>54.3</u>	<u>54.2</u>	<u>56.5</u>
	68567	<u>56.5</u>	<u>54.2</u>	<u>55.3</u>	<u>57.0</u>	<u>54.9</u>	<u>54.8</u>	<u>57.5</u>
	94227	<u>57.1</u>	<u>54.6</u>	<u>56.2</u>	<u>56.8</u>	<u>54.6</u>	<u>55.2</u>	<u>58.3</u>
LASB50442	68648	<u>57.6</u>	<u>55.5</u>	<u>57.5</u>	<u>57.6</u>	<u>57.3</u>	<u>56.8</u>	<u>59.9</u>
	69644	<u>60.3</u>	<u>56.3</u>	<u>58.0</u>	<u>60.8</u>	<u>57.3</u>	<u>57.2</u>	<u>60.2</u>
LASB50443	69183	<u>58.5</u>	<u>56.6</u>	<u>57.4</u>	<u>60.6</u>	<u>57.6</u>	<u>57.8</u>	<u>60.9</u>
	69638	<u>58.8</u>	<u>56.5</u>	<u>57.8</u>	<u>59.9</u>	<u>57.1</u>	<u>57.4</u>	<u>60.7</u>

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6.[4] Date: From 6-13-16 to 6-19-16

Container ID #	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
TA-54-0375 Cell 2 (continued)							
68624	59.1	55.5	57.4	59.6	56.9	56.9	64.2
68507	59.7	55.3	58.2	61.0	57.1	57.7	61.0
69568	58.2	54.4	55.7	57.3	55.2	53.3	57.9
69553	59.9	54.8	56.7	59.2	55.6	55.5	58.0
69598	58.3	56.5	57.3	59.3	56.6	56.9	60.0
LASB50559	92472	56.2	52.8	54.6	55.9	53.2	53.6
	92459	57.2	53.3	54.0	55.2	52.3	52.3
69015	58.4	56.5	57.2	59.6	58.0	57.1	60.9
69639	58.2	55.7	57.1	59.3	57.8	57.2	61.5
69637	59.1	55.6	57.1	59.2	57.0	56.8	61.5
End Time (6.[14])	1328	1316	1325	1346	1314	1312	1309
6.[14]	WO: <u>QA</u> WO: <u>FA</u>	WO: <u>QA</u> WO: <u>FA</u>	WO: <u>QA</u> WO: <u>FA</u>	WO: <u>QA</u> WO: <u>FA</u>	WO: <u>QA</u> WO: <u>km</u>	WO: <u>QA</u> WO: <u>km</u>	WO: <u>QA</u> WO: <u>km</u>

Comments:

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6.[4] Date: From 6-13-16 to 6-19-16

6.[18] Performed by:

Waste Operator (print)	Signature	Z#	Initials	Date
<u>Tina Aguirre</u>	<u>[Signature]</u>	<u>124977</u>	<u>QA</u>	<u>6-13-16</u>
<u>Fabian Araya</u>	<u>[Signature]</u>	<u>1174563</u>	<u>FA</u>	<u>6-13-16</u>
<u>Tina Aguirre</u>	<u>[Signature]</u>	<u>124977</u>	<u>QA</u>	<u>6-14-16</u>
<u>Juan Garcia</u>	<u>[Signature]</u>	<u>1169840</u>	<u>JG</u>	<u>6-14-16</u>
<u>Juan Garcia</u>	<u>[Signature]</u>	<u>1169840</u>	<u>JG</u>	<u>6-15-16</u>
<u>Leon Montoya</u>	<u>[Signature]</u>	<u>1191526</u>	<u>LM</u>	<u>6-15-16</u>
<u>Tina Aguirre</u>	<u>[Signature]</u>	<u>124977</u>	<u>QA</u>	<u>6-16-16</u>

Waste Operator (print)	Signature	Z#	Initials	Date
<u>Fabian Araya</u>	<u>[Signature]</u>	<u>1174563</u>	<u>FA</u>	<u>6-16-16</u>
<u>Tina Aguirre</u>	<u>[Signature]</u>	<u>124977</u>	<u>QA</u>	<u>6-17-16</u>
<u>Leon Montoya</u>	<u>[Signature]</u>	<u>1191526</u>	<u>LM</u>	<u>6-17-16</u>
<u>Tina Aguirre</u>	<u>[Signature]</u>	<u>124977</u>	<u>QA</u>	<u>6-18-16</u>
<u>Leon Montoya</u>	<u>[Signature]</u>	<u>1191526</u>	<u>LM</u>	<u>6-18-16</u>
<u>Tina Aguirre</u>	<u>[Signature]</u>	<u>124977</u>	<u>QA</u>	<u>6-19-16</u>
<u>Leon Montoya</u>	<u>[Signature]</u>	<u>1191526</u>	<u>LM</u>	<u>6-19-16</u>

9.1[2] Reviewed by:

SOM (print)	Signature	Z#	Initials	Date
	<u>/</u>	<u>/</u>	<u>/</u>	<u>/</u>

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ATTACHMENT 4

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

6.[4] Date: From 6-13-16 to 6-19-16

Monday 6.[4] Start Time: <u>1319</u>	Tuesday 6.[4] Start Time: <u>1317</u>	Wednesday 6.[4] Start Time: <u>1326</u>	Thursday 6.[4] Start Time: <u>1332</u>	Friday 6.[4] Start Time: <u>1315</u>	Saturday 6.[4] Start Time: <u>1313</u>	Sunday 6.[4] Start Time: <u>1310</u>
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TA-54-0375 Cell 3							
Calibrated infrared thermometer (4.2.[1][B])	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>10-21-16</u> File Number: <u>101912</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>10-21-16</u> File Number: <u>101912</u>	Brand: <u>FLUKE</u> Model: <u>561</u> Cal. Due Date: <u>10-21-16</u> File Number: <u>101912</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-29-16</u> File Number: <u>103867</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-29-16</u> File Number: <u>103867</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-29-16</u> File Number: <u>103867</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-29-16</u> File Number: <u>103867</u>
Ambient Temperature (6.[5])	<u>63.7</u> °F	<u>60.7</u> °F	<u>61.7</u> °F	<u>62.5</u> °F	<u>61.6</u> °F	<u>61.1</u> °F	<u>65.0</u> °F
(S) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[6])	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT
Container ID #	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
69519	<u>62.9</u>	<u>59.4</u>	<u>60.0</u>	<u>61.2</u>	<u>59.5</u>	<u>60.0</u>	<u>62.4</u>
69645	<u>58.3</u>	<u>56.9</u>	<u>57.8</u>	<u>58.2</u>	<u>57.0</u>	<u>57.8</u>	<u>60.3</u>
94068	<u>58.9</u>	<u>58.3</u>	<u>59.0</u>	<u>60.4</u>	<u>57.9</u>	<u>58.8</u>	<u>61.7</u>
93605	<u>60.5</u>	<u>58.6</u>	<u>60.9</u>	<u>61.2</u>	<u>60.2</u>	<u>60.2</u>	<u>63.8</u>
69548	<u>62.7</u>	<u>58.6</u>	<u>61.3</u>	<u>61.5</u>	<u>60.2</u>	<u>60.4</u>	<u>64.2</u> <u>63.8</u>
69604	<u>60.5</u>	<u>59.5</u>	<u>61.8</u>	<u>62.2</u>	<u>59.6</u>	<u>60.7</u>	<u>62.2</u> <u>64.2</u>
LASB50529 68665	<u>61.6</u>	<u>57.0</u>	<u>57.0</u>	<u>59.8</u>	<u>57.6</u>	<u>58.4</u>	<u>62.2</u>
LASB50418 69595	<u>62.5</u>	<u>58.9</u>	<u>61.5</u>	<u>61.2</u>	<u>59.5</u>	<u>60.0</u>	<u>62.3</u>
69036	<u>61.5</u>	<u>59.4</u>	<u>60.8</u>	<u>61.0</u>	<u>59.6</u>	<u>60.5</u>	<u>64.5</u>
LASB50451 69361	<u>60.1</u>	<u>59.4</u>	<u>59.8</u>	<u>60.4</u>	<u>60.1</u>	<u>61.2</u>	<u>64.2</u>
69559	<u>60.7</u>	<u>59.5</u>	<u>60.8</u>	<u>61.3</u>	<u>59.4</u>	<u>59.7</u>	<u>63.8</u>
LASB50448 69491	<u>60.9</u>	<u>58.9</u>	<u>60.9</u>	<u>61.7</u>	<u>59.8</u>	<u>60.1</u>	<u>63.7</u>

QA 6-19-16
 QA 6-19-16

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Z# 14927

INITIAL QA DATE 6-13-16

TA-54 Area G Remediated Nitrate Salt Waste Container Monitoring

Document No.: AREAG-WO-DOP-124

Revision: 0, IPC-3

Effective Date: May 9, 2016

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ATTACHMENT 4

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6.[4] Date: From 6-13-16 to 6-19-16

Container ID #	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
TA-54-0375 Cell 3 (continued)							
87827	62.6	61.3	63.2	63.5	61.9	62.6	66.4
87826	62.1	62.0	63.0	62.9	61.6	62.1	65.6
87823	63.8	63.5	63.4	63.9	61.1	62.7	65.3
87825	63.6	62.6	64.5	64.9	61.8	61.9	67.8
End Time (6.[14])	1323	1319	1330	1337	1318	1316	1311
6.[14]	WO: <u>QA</u> WO: <u>FA</u>	WO: <u>QA</u> WO: <u>FA</u>	WO: <u>QA</u> WO: <u>FA</u>	WO: <u>QA</u> WO: <u>FA</u>	WO: <u>QA</u> WO: <u>FA</u>	WO: <u>QA</u> WO: <u>FA</u>	WO: <u>QA</u> WO: <u>FA</u>

Comments:

UET

ATTACHMENT 4

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6.[4] Date: From 6-13-16 to 6-19-16

6.[18] Performed by:

Waste Operator (print)	Signature	Z#	Initials	Date
Tina Aguirre	[Signature]	1174903	FA	16-13-16
Fabian Anaya	[Signature]	1174903	FA	16-13-16
Tina Aguirre	[Signature]	1174903	FA	16-14-16
Juan Garcia	[Signature]	1188401	JG	16-14-16
Juan Garcia	[Signature]	1188401	JG	16-15-16
Leon Montoya	[Signature]	1195261	LM	16-15-16
Tina Aguirre	[Signature]	1174903	FA	16-16-16
Tina Aguirre	[Signature]	1174903	FA	16-16-16

Waste Operator (print)	Signature	Z#	Initials	Date
Fabian Anaya	[Signature]	1174903	FA	16-16-16
Tina Aguirre	[Signature]	1174903	FA	16-17-16
Leon Montoya	[Signature]	1195261	LM	16-17-16
Tina Aguirre	[Signature]	1174903	FA	16-18-16
Leon Montoya	[Signature]	1195261	LM	16-18-16
Tina Aguirre	[Signature]	1174903	FA	16-19-16
Tina Aguirre	[Signature]	1174903	FA	16-19-16

9.1[2] Reviewed by:

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

UET

ATTACHMENT 2

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

6.[4] Date: From 6/20/16 to 6/26/16

	Monday 6.[4] Start Time: <u>1332</u>	Tuesday 6.[4] Start Time: <u>1309</u>	Wednesday 6.[4] Start Time: <u>1324</u>	Thursday 6.[4] Start Time: <u>1336</u>	Friday 6.[4] Start Time: <u>1312</u>	Saturday 6.[4] Start Time: <u>1314</u>	Sunday 6.[4] Start Time: <u>1300</u> ¹³¹¹ ₁₆₋₂₆₋₁₆
TA-54-0375 Cell 1							
Calibrated infrared thermometer (4.2[1][B])	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>
Ambient Temperature(6.[5])	<u>69.7</u> °F	<u>68.5</u> °F	<u>69.2</u> °F	<u>69.3</u> °F	<u>66.4</u> °F	<u>66.4</u> °F	<u>64.7</u> °F
(S) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[6])	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT
Container ID #	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
68685	<u>71.3</u>	<u>70.2</u>	<u>70.1</u>	<u>69.4</u>	<u>67.5</u>	<u>68.2</u>	<u>66.0</u>
LA00000070503	68540 <u>68.8</u>	<u>67.9</u>	<u>68.2</u>	<u>69.1</u>	<u>66.3</u>	<u>65.3</u>	<u>64.1</u>
	68553 <u>68.6</u>	<u>67.9</u>	<u>68.1</u>	<u>68.6</u>	<u>65.8</u> ^{66.74.16}	<u>65.4</u>	<u>64.0</u>
69445	<u>68.7</u>	<u>67.8</u>	<u>68.8</u>	<u>68.7</u>	<u>67.0</u> ^{67.0}	<u>66.2</u>	<u>65.8</u>
69618	<u>68.4</u>	<u>67.3</u>	<u>67.0</u>	<u>68.1</u>	<u>65.0</u>	<u>64.9</u>	<u>64.5</u>
69013	<u>69.10</u>	<u>68.2</u>	<u>68.5</u>	<u>69.2</u>	<u>66.2</u>	<u>66.0</u>	<u>63.6</u>
LASB50522 69076	<u>68.1</u>	<u>66.7</u>	<u>66.3</u>	<u>68.2</u>	<u>65.0</u>	<u>65.0</u>	<u>62.7</u>
LASB50452 69490	<u>67.4</u>	<u>66.7</u>	<u>68.0</u>	<u>67.4</u>	<u>64.0</u>	<u>63.8</u>	<u>62.4</u>
LASB50431 69280	<u>66.7</u>	<u>66.6</u>	<u>65.6</u>	<u>68.1</u>	<u>64.1</u>	<u>63.6</u>	<u>62.9</u>
LASB50069 69208	<u>66.1</u>	<u>65.5</u>	<u>65.8</u>	<u>66.2</u>	<u>63.7</u>	<u>63.6</u>	<u>63.1</u>
LASB50073 69079	<u>66.9</u>	<u>66.2</u>	<u>66.2</u>	<u>68.1</u>	<u>64.2</u>	<u>63.9</u>	<u>62.2</u>
69636	<u>66.7</u>	<u>65.5</u>	<u>66.6</u>	<u>67.7</u>	<u>63.8</u>	<u>63.4</u>	<u>62.7</u>

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WZ# 239958

Z# INITIAL Yon DATE 6/20/16

TA-54 Area G Remediated Nitrate Salt Waste Container Monitoring

Document No.: AREAG-WO-DOP-12
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 Effective Date: May 9, 2016
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ATTACHMENT 2
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6.[4] Date: From 10/20/16 to 10/26/16

Container ID #	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
TA-54-0375 Cell 1 (continued)							
69616	67.4	67.0	65.9	68.3	64.6	63.4	63.1
69417	N/A	N/A	N/A	N/A	N/A	N/A	N/A
69620	68.1	67.7	67.3	68.8	65.2	64.7	63.6
69520	67.1	66.0	65.7	69.0	64.8	64.6	63.4
69641	67.2	66.3	66.8	67.4	64.7	63.8	62.7
69298	66.3	65.1	65.1	69.1	64.2	63.6	61.7
LASB02203 92669	65.0	63.8	63.8	66.0	62.9	62.7	60.9
End Time (6.[14])	1335	1313	1329	1340	1317	1320	1315
6.[14]	WO: <u>Yon</u> WO: <u>JA</u>	WO: <u>JA</u> WO: <u>JA</u>	WO: <u>JA</u> WO: <u>JA</u>	WO: <u>JA</u> WO: <u>JA</u>	WO: <u>JA</u> WO: <u>JA</u>	WO: <u>JA</u> WO: <u>JA</u>	WO: <u>JA</u> WO: <u>JA</u>

Comments:

SWB/drum 69417 is no longer considered a RNS drum by LANL or NMED

NOTE: Containers marked by an (*) are POCs.

UET

ATTACHMENT 2
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6.[4] Date: From 10/20/16 to 10/26/16

6.[18] Performed by:

Waste Operator (print)	Signature	Z#	Initials	Date
Valerie Martinez	Valerie Martinez	55953	VM	10/20/16
Fabian Auaya	Fabian Auaya	11748631	FA	16-20-16
Lina Aguirre	Lina Aguirre	124977	LA	16-21-16
Lina Montoya	Lina Montoya	1915261	LM	16-21-16
Lina Aguirre	Lina Aguirre	124977	LA	16-22-16
Fabian Auaya	Fabian Auaya	11748631	FA	16-22-16
Lina Aguirre	Lina Aguirre	124977	LA	16-23-16

Waste Operator (print)	Signature	Z#	Initials	Date
Fabian Auaya	Fabian Auaya	11748631	FA	16-23-16
Juan Garcia	Juan Garcia	169840	JG	16-24-16
Lina Montoya	Lina Montoya	1915261	LM	16-24-16
Juan Garcia	Juan Garcia	169840	JG	16-25-16
Lina Montoya	Lina Montoya	1915261	LM	16-25-16
Juan Garcia	Juan Garcia	169840	JG	16-26-16
Lina Montoya	Lina Montoya	1915261	LM	16-26-16

9.1[2] Reviewed by:

SOM (print)	Signature	Z#	Initials	Date

TA-54 Area G Remediated Nitrate Salt Waste Container Monitoring

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ATTACHMENT 3

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WORKING COPY

Z# 239958

INITIAL V on

DATE 4/20/16

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

6.[4] Date: From 4/20/16 to 4/26/16

		Monday 6.[4] Start Time: 1327	Tuesday 6.[4] Start Time: 1314	Wednesday 6.[4] Start Time: 1312	Thursday 6.[4] Start Time: 1330	Friday 6.[4] Start Time: 1306	Saturday 6.[4] Start Time: 1307	Sunday 6.[4] Start Time: 1305
TA-54-0375 Cell 2								
Calibrated infrared thermometer (4.2[1][B])		Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-8-16</u> File Number: <u>101910</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-8-16</u> File Number: <u>101916</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-8-16</u> File Number: <u>101916</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-8-16</u> File Number: <u>101916</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-8-16</u> File Number: <u>101916</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-8-16</u> File Number: <u>101918</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-8-16</u> File Number: <u>101916</u>
Ambient Temperature (6.[5])		<u>61.2</u> °F	<u>61.3</u> °F	<u>60.8</u> °F	<u>63.0</u> °F	<u>59.5</u> °F	<u>59.3</u> °F	<u>59.2</u> °F
(S) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[6])		<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT
Container ID #		Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
LASB02198	68408	<u>58.1</u>	<u>56.9</u>	<u>57.8</u>	<u>59.3</u>	<u>57.4</u>	<u>58.0</u>	<u>57.4</u>
	68638	<u>60.0</u>	<u>60.2</u>	<u>60.8</u>	<u>62.9</u>	<u>59.8</u>	<u>59.9</u>	<u>59.9</u>
	69615	<u>62.8</u>	<u>62.2</u>	<u>62.7</u>	<u>64.8</u>	<u>60.5</u>	<u>60.5</u>	<u>60.0</u>
	69635	<u>62.3</u>	<u>62.1</u>	<u>62.8</u>	<u>64.4</u>	<u>60.4</u>	<u>60.2</u>	<u>60.0</u>
	69642	<u>62.1</u>	<u>63.1</u>	<u>63.4</u>	<u>65.1</u>	<u>62.5</u>	<u>62.3</u>	<u>61.9</u>
	69630	<u>62.8</u>	<u>62.6</u>	<u>62.3</u>	<u>63.8</u>	<u>60.5</u>	<u>59.7</u>	<u>59.9</u>
	69633	<u>61.2</u>	<u>61.8</u>	<u>60.7</u>	<u>63.5</u>	<u>60.2</u>	<u>59.7</u>	<u>59.4</u>
	68430	<u>62.3</u>	<u>63.3</u>	<u>62.3</u>	<u>64.1</u>	<u>60.8</u>	<u>60.2</u>	<u>60.0</u>
	68631	<u>60.3</u>	<u>58.9</u>	<u>59.1</u>	<u>61.5</u>	<u>57.5</u>	<u>56.9</u>	<u>57.3</u>
	69634	<u>58.3</u>	<u>56.1</u>	<u>57.5</u>	<u>61.0</u>	<u>56.1</u>	<u>56.4</u>	<u>55.8</u>
	68567	<u>58.8</u>	<u>57.6</u>	<u>59.3</u>	<u>60.5</u>	<u>57.1</u>	<u>57.6</u>	<u>57.1</u>
	94227	<u>59.8</u>	<u>58.7</u>	<u>61.2</u>	<u>62.4</u>	<u>57.9</u>	<u>57.8</u>	<u>58.1</u>
LASB50442	68648	<u>60.9</u>	<u>61.0</u>	<u>60.0</u>	<u>62.5</u>	<u>60.2</u>	<u>59.1</u>	<u>60.9</u>
	69644	<u>60.1</u>	<u>60.7</u>	<u>60.6</u>	<u>62.6</u>	<u>60.3</u>	<u>60.2</u>	<u>60.1</u>
LASB50443	69183	<u>61.0</u>	<u>61.7</u>	<u>61.9</u>	<u>63.9</u>	<u>61.3</u>	<u>60.6</u>	<u>60.2</u>
	69638	<u>60.3</u>	<u>61.1</u>	<u>61.6</u>	<u>64.1</u>	<u>60.5</u>	<u>59.9</u>	<u>60.4</u>

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ATTACHMENT 3
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6.[4] Date: From 6/20/16 to 6/26/16

Container ID #	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
TA-54-0375 Cell 2 (continued)							
68624	61.0	60.7	62.4	64.2	60.5	59.4	59.0
68507	62.9	61.8	62.2	65.2	60.8	60.0	59.8
69568	60.7	58.7	61.6	62.8	58.1	60.3	57.8
69553	59.8	59.2	59.0	62.0	58.6	58.3	58.5
69598	60.8	59.7	61.3	63.1	59.9	51.9	56.4
LASB50559	92472	510.8	59.1	60.3	59.4	56.3	56.8 ⁶⁻²⁶⁻¹⁶
	92459	57.8	57.8	59.8	60.2	55.7	60.0 ⁶⁻²⁶⁻¹⁶
69015	61.8	61.2	61.6	64.4	60.6	59.8	59.9 ⁶⁻²⁶⁻¹⁶
69639	61.10	61.5	61.4	64.7	60.5	59.9	59.9 ⁶⁻²⁶⁻¹⁶
69637	61.5	61.5	62.5	64.4	61.7	60.1	59.7
End Time (6.[14])	1331	1317	1323	1335	1311	1313	1310
6.[14]	WO: <u>YAM</u> WO: <u>FA</u>	WO: <u>JA</u> WO: <u>FA</u>	WO: <u>JA</u> WO: <u>FA</u>	WO: <u>JA</u> WO: <u>FA</u>	WO: <u>JA</u> WO: <u>FA</u>	WO: <u>JA</u> WO: <u>FA</u>	WO: <u>JA</u> WO: <u>FA</u>

Comments:

UET

ATTACHMENT 3

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6.[4] Date: From 10/20/16 to 10/26/16

6.[18] Performed by:

Waste Operator (print)	Signature	Z#	Initials	Date
Valerie Martinez	Valerie Martinez	25958	VM	10/20/16
Fabian Anaya	Fabian Anaya	174963	FA	10-20-16
Lina Aguirre	Lina Aguirre	174971	LA	10-21-16
Lina Aguirre	Lina Aguirre	174971	LA	10-21-16
Lina Aguirre	Lina Aguirre	174971	LA	10-21-16
Lina Aguirre	Lina Aguirre	174971	LA	10-22-16
Fabian Anaya	Fabian Anaya	174963	FA	10-22-16
Lina Aguirre	Lina Aguirre	174971	LA	10-23-16

Waste Operator (print)	Signature	Z#	Initials	Date
Fabian Anaya	Fabian Anaya	174963	FA	10-23-16
Juan Garcia	Juan Garcia	169840	JG	10-24-16
Lina Aguirre	Lina Aguirre	174971	LA	10-24-16
JUAN GARCIA	Juan Garcia	169840	JG	10-25-16
Lina Aguirre	Lina Aguirre	174971	LA	10-25-16
Juan Garcia	Juan Garcia	169840	JG	10-26-16
Lina Aguirre	Lina Aguirre	174971	LA	10-26-16

9.1[2] Reviewed by:

SOM (print)	Signature	Z#	Initials	Date

UET

ATTACHMENT 4

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

6.[4] Date: From 10/20/16 to 10/20/16

Monday 6.[4] Start Time: <u>1318</u>	Tuesday 6.[4] Start Time: <u>1318</u>	Wednesday 6.[4] Start Time: <u>1311</u>	Thursday 6.[4] Start Time: <u>1322</u>	Friday 6.[4] Start Time: <u>1301</u>	Saturday 6.[4] Start Time: <u>1301</u>	Sunday 6.[4] Start Time: <u>1300</u>
---	--	--	---	---	---	---

TA-54-0375 Cell 3							
Calibrated infrared thermometer (4.2.1)(B)	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>10-21-16</u> File Number <u>101912</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>10-21-16</u> File Number <u>101912</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>10-21-16</u> File Number <u>101912</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>10-21-16</u> File Number <u>101912</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>10-21-16</u> File Number <u>101912</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>10-21-16</u> File Number <u>101912</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>10-21-16</u> File Number <u>101912</u>
Ambient Temperature (6.5)	<u>66.5</u> °F	<u>67.0</u> °F	<u>67.0</u> °F	<u>66.7</u> °F	<u>65.8</u> °F	<u>64.4</u> °F	<u>64.8</u> °F
(S) Temperature ≤ 75°F SR 4.ESS.5.1 (6.6)	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT
Container ID #	Temp (°F) (6.8)/6.9/6.[10])	Temp (°F) (6.8)/6.9/6.[10])	Temp (°F) (6.8)/6.9/6.[10])	Temp (°F) (6.8)/6.9/6.[10])	Temp (°F) (6.8)/6.9/6.[10])	Temp (°F) (6.8)/6.9/6.[10])	Temp (°F) (6.8)/6.9/6.[10])
69519	<u>63.9</u>	<u>64.2</u>	<u>65.0</u>	<u>66.8</u>	<u>63.7</u>	<u>61.9</u>	<u>62.9</u>
69645	<u>63.8</u>	<u>61.4</u>	<u>63.1</u>	<u>62.4</u>	<u>61.0</u>	<u>58.8</u>	<u>61.8</u>
94068	<u>64.0</u>	<u>63.1</u>	<u>64.2</u>	<u>64.9</u>	<u>62.5</u>	<u>60.2</u>	<u>62.1</u>
93605	<u>63.7</u>	<u>61.5</u>	<u>65.2</u>	<u>66.2</u>	<u>64.4</u>	<u>62.1</u>	<u>62.7</u>
69548	<u>65.5</u>	<u>65.3</u>	<u>65.0</u>	<u>67.9</u>	<u>63.8</u>	<u>62.1</u>	<u>62.5</u>
69604	<u>65.3</u>	<u>65.4</u>	<u>66.9</u>	<u>66.2</u>	<u>63.8</u>	<u>62.4</u>	<u>63.5</u>
LASB50529 68665	<u>64.6</u>	<u>63.3</u>	<u>64.0</u>	<u>65.0</u>	<u>63.3</u>	<u>60.0</u>	<u>62.6</u>
LASB50418 69595	<u>63.5</u>	<u>64.9</u>	<u>64.8</u>	<u>67.4</u>	<u>63.9</u>	<u>61.6</u>	<u>62.9</u>
69036	<u>65.4</u>	<u>66.4</u>	<u>65.1</u>	<u>67.9</u>	<u>64.0</u>	<u>62.7</u>	<u>63.5</u>
LASB50451 69361	<u>64.5</u>	<u>65.1</u>	<u>65.5</u>	<u>66.1</u>	<u>64.2</u>	<u>62.4</u>	<u>63.5</u>
69559	<u>65.6</u>	<u>65.0</u>	<u>65.2</u>	<u>67.0</u>	<u>64.7</u>	<u>62.1</u>	<u>62.9</u>
LASB50448 69491	<u>64.8</u>	<u>64.8</u>	<u>60.0</u>	<u>66.3</u>	<u>64.2</u>	<u>63.3</u>	<u>63.8</u>

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DATE 10/20/16

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6.[4] Date: From 6/20/14 to 6/24/14

Container ID #	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
TA-54-0375 Cell 3 (continued)							
87827	66.8	67.5	67.5	69.8	65.6	64.4	66.5
87826	66.7	67.0	67.0	68.9	65.6	63.3	65.7
87823	67.9	67.5	67.3	69.3	66.5	63.9	65.0
87825	68.1	70.1	68.9	69.6	68.2	65.4	65.3
End Time (6.[14])	1320	1321	1326	1329	1305 6-24-14	1306	1304
6.[14]	WO: <u>YON</u> WO: <u>FA</u>	WO: <u>OK</u> WO: <u>OK</u>	WO: <u>FA</u> WO: <u>FA</u>	WO: <u>FA</u> WO: <u>FA</u>	WO: <u>OK</u> WO: <u>OK</u>	WO: <u>FA</u> WO: <u>FA</u>	WO: <u>OK</u> WO: <u>OK</u>

Comments:

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6.[4] Date: From 10/20/16 to 10/26/16

6.[18] Performed by:

Waste Operator (print)	Signature	Z#	Initials	Date
Venerie Martinez	Venerie Martinez	12355	VM	10/20/16
Fabian Anaya	Fabian Anaya	11749631	FA	10-20-16
Lina Aguirre	Lina Aguirre	1149719A	LA	10-26-16
Leon Montoya	Leon Montoya	11915261	LM	10-21-16
Lina Aguirre	Lina Aguirre	1149719A	LA	10-22-16
Fabian Anaya	Fabian Anaya	11749631	FA	10-22-16
Lina Aguirre	Lina Aguirre	1149719A	LA	10-23-16

Waste Operator (print)	Signature	Z#	Initials	Date
Fabian Anaya	Fabian Anaya	11749631	FA	10-23-16
Juan Garcia	Juan Garcia	11698401	JG	10-24-16
Leon Montoya	Leon Montoya	11915261	LM	10-24-16
JUAN GARCIA	Juan Garcia	11698401	JG	10-25-16
Leon Montoya	Leon Montoya	11915261	LM	10-25-16
Juan Garcia	Juan Garcia	11698401	JG	10-26-16
Leon Montoya	Leon Montoya	11915261	LM	10-26-16

9.1[2] Reviewed by:

SOM (print)	Signature	Z#	Initials	Date

UET

ATTACHMENT 2

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

6.[4] Date: From 6-27-16 to 7-03-16

	Monday 6.[4] Start Time: <u>1330</u>	Tuesday 6.[4] Start Time: <u>1310</u>	Wednesday 6.[4] Start Time: <u>1312</u>	Thursday 6.[4] Start Time: <u>1324</u>	Friday 6.[4] Start Time: <u>1304</u>	Saturday 6.[4] Start Time: <u>1305</u>	Sunday 6.[4] Start Time: <u>1310</u>
TA-54-0375 Cell 1							
Calibrated infrared thermometer (4.2[1][B])	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>040986</u>
Ambient Temperature(6.[5])	<u>70.1</u> °F	<u>65.4</u> °F	<u>64.3</u> °F	<u>65.2</u> °F	<u>66.0</u> °F	<u>64.2</u> °F	<u>65.1</u> °F
(S) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[6])	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT
Container ID #	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
68685	<u>67.0</u>	<u>65.5</u>	<u>65.6</u>	<u>66.6</u>	<u>68.9</u>	<u>65.6</u>	<u>68.1</u>
LA0000070503	68540	<u>65.9</u>	<u>66.2</u>	<u>64.5</u>	<u>65.6</u>	<u>66.2</u>	<u>64.1</u>
	68553	<u>67.7</u>	<u>66.0</u>	<u>64.7</u>	<u>65.7</u>	<u>65.8</u>	<u>63.9</u>
69445	<u>66.4</u>	<u>65.9</u>	<u>64.8</u>	<u>65.3</u>	<u>67.2</u>	<u>65.3</u>	<u>65.4</u>
69618	<u>66.4</u>	<u>65.5</u>	<u>64.3</u>	<u>64.3</u>	<u>64.8</u>	<u>63.4</u>	<u>64.7</u>
69013	<u>66.8</u>	<u>66.4</u>	<u>65.8</u>	<u>65.4</u>	<u>65.6</u>	<u>63.8</u>	<u>65.7</u>
LASB50522	69076	<u>66.4</u>	<u>65.7</u>	<u>63.9</u>	<u>64.2</u>	<u>64.8</u>	<u>63.0</u>
LASB50452	69490	<u>65.1</u>	<u>64.9</u>	<u>63.4</u>	<u>64.3</u>	<u>64.3</u>	<u>62.3</u>
LASB50431	69280	<u>65.4</u>	<u>64.7</u>	<u>62.8</u>	<u>63.5</u>	<u>64.2</u>	<u>61.3</u>
LASB50069	69208	<u>64.4</u>	<u>64.7</u>	<u>61.9</u>	<u>62.7</u>	<u>63.6</u>	<u>62.7</u>
LASB50073	69079	<u>65.2</u>	<u>64.4</u>	<u>63.3</u>	<u>64.4</u>	<u>64.3</u>	<u>63.1</u>
69636	<u>64.8</u>	<u>63.5</u>	<u>61.4</u>	<u>62.6</u>	<u>64.0</u>	<u>61.3</u>	<u>63.5</u>

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INITIAL CA DATE 6-27-16

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6.[4] Date: From 6-27-16 to 7-03-16

Container ID #	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
TA-54-0375 Cell 1 (continued)							
69616	65.5	64.9	62.5	63.7	64.2	62.2	64.2 ^{on 7-3-16}
69417	N/A	N/A	N/A	N/A	N/A	N/A	64.4
69620	64.7	65.8	63.7	64.6	64.5	63.4	64.2
69520	65.4	64.8	63.3	63.6	64.0	63.1	65.2
69641	66.2	65.1	63.3	64.1	64.0	62.7	63.6
69298	64.5	64.1	62.3	63.6	63.9	62.5	63.8
LASB02203 92669	62.7	62.2	59.7	61.3	62.1	61.3	62.5
End Time (6.[14])	1333	1320	1318	1330 ⁶⁻³⁰⁻¹⁶	1308	1310	1315
6.[14]	WO: <u>Von</u> WO: <u>[Signature]</u>	WO: <u>Von</u> WO: <u>LM</u>	WO: <u>[Signature]</u> WO: <u>[Signature]</u>	WO: <u>1330 out</u> WO: <u>SA</u>	WO: <u>Von</u> WO: <u>[Signature]</u>	WO: <u>[Signature]</u> WO: <u>[Signature]</u>	WO: <u>[Signature]</u> WO: <u>[Signature]</u>

Comments:

SWB/drum 69417 is no longer considered a RNS drum by LANL or NMED

NOTE: Containers marked by an (*) are POCs.

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6.[4] Date: From 6-27-16 to 7-03-16

6.[18] Performed by:

Waste Operator (print)	Signature	Z#	Initials	Date
Tina Aguirre	<i>Tina Aguirre</i>	174971	QA	6-27-16
Fabian Araya	<i>Fabian Araya</i>	11749631	FA	6-27-16
Valerie Martinez	<i>Valerie Martinez</i>	123958	Von	6/27/16
Juan Garcia	<i>Juan Garcia</i>	169840	JG	6-27-16
Valerie Martinez	<i>Valerie Martinez</i>	123958	Von	6/28/16
Leon Montoya	<i>Leon Montoya</i>	195261	LM	6-28-16
Tina Aguirre	<i>Tina Aguirre</i>	174971	QA	6-29-16
Tina Aguirre	<i>Tina Aguirre</i>	174971	QA	6-29-16

Waste Operator (print)	Signature	Z#	Initials	Date
Leon Montoya	<i>Leon Montoya</i>	195261	LM	6-29-16
Tina Aguirre	<i>Tina Aguirre</i>	174971	QA	6-29-16
Fabian Araya	<i>Fabian Araya</i>	11749631	FA	6-30-16
Valerie Martinez	<i>Valerie Martinez</i>	123958	Von	7/01/16
Leon Montoya	<i>Leon Montoya</i>	195261	LM	7-1-16
Tina Aguirre	<i>Tina Aguirre</i>	174971	QA	7-02-16
Leon Montoya	<i>Leon Montoya</i>	195261	LM	7-2-16
Tina Aguirre	<i>Tina Aguirre</i>	174971	QA	7-03-16
Leon Montoya	<i>Leon Montoya</i>	195261	LM	7-3-16

9.1[2] Reviewed by:

SOM (print)	Signature	Z#	Initials	Date

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

6.[4] Date: From 6-27-16 to 7-03-16

		Monday 6.[4] Start Time: <u>1328</u>	Tuesday 6.[4] Start Time: <u>1321</u>	Wednesday 6.[4] Start Time: <u>1319</u>	Thursday 6.[4] Start Time: <u>1327</u>	Friday 6.[4] Start Time: <u>1307</u>	Saturday 6.[4] Start Time: <u>1311</u>	Sunday 6.[4] Start Time: <u>1304</u>
TA-54-0375 Cell 2								
Calibrated infrared thermometer (4.2[1][B])		Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-9-16</u> File Number <u>101914</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-8-16</u> File Number <u>101916</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-8-16</u> File Number <u>101916</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>1-28-17</u> File Number <u>104841</u>	Brand: <u>Fluke</u> Model: <u>5101</u> Cal. Due Date: <u>1-28-17</u> File Number <u>104841</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>1-28-17</u> File Number <u>104814</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>1-29-16</u> File Number <u>104814</u>
Ambient Temperature (6.[5])		<u>58.8</u> °F	<u>60.1</u> °F	<u>59.7</u> °F	<u>61.2</u> °F	<u>59.1</u> °F	<u>59.5</u> °F	<u>59.2</u> °F
(S) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[6])		<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT
Container ID #		Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
LASB02198	68408	<u>59.1</u>	<u>57.5</u>	<u>55.8</u>	<u>59.8</u>	<u>57.4</u>	<u>58.4</u>	<u>56.7</u>
	68638	<u>59.0</u>	<u>61.0</u>	<u>58.9</u>	<u>63.1</u>	<u>59.6</u>	<u>59.1</u>	<u>59.3</u>
	69615	<u>60.8</u>	<u>61.0</u>	<u>60.0</u>	<u>63.0</u>	<u>60.3</u>	<u>61.0</u>	<u>61.4</u>
	69635	<u>61.2</u>	<u>61.0</u>	<u>59.6</u>	<u>63.1</u>	<u>60.1</u>	<u>61.7</u>	<u>60.7</u>
	69642	<u>60.2</u>	<u>63.4</u>	<u>61.3</u>	<u>63.9</u>	<u>62.1</u>	<u>60.0</u>	<u>62.6</u>
	69630	<u>60.3</u>	<u>60.8</u>	<u>59.1</u>	<u>62.4</u>	<u>59.7</u>	<u>59.5</u>	<u>60.0</u>
	69633	<u>59.8</u>	<u>61.4</u>	<u>59.2</u>	<u>62.1</u>	<u>59.5</u>	<u>60.7</u>	<u>61.3</u>
	68430	<u>61.9</u>	<u>63.0</u>	<u>60.2</u>	<u>64.1</u>	<u>60.2</u>	<u>58.9</u>	<u>61.6</u>
	68631	<u>58.0</u>	<u>59.0</u>	<u>58.8</u>	<u>61.0</u>	<u>57.8</u>	<u>57.9</u>	<u>58.2</u>
	69634	<u>55.7</u>	<u>58.1</u>	<u>56.8</u>	<u>58.3</u>	<u>55.2</u>	<u>57.7</u>	<u>58.7</u>
	68567	<u>57.3</u>	<u>58.0</u>	<u>56.9</u>	<u>60.5</u>	<u>57.0</u>	<u>59.6</u>	<u>57.9</u>
	94227	<u>60.3</u>	<u>59.1</u>	<u>57.8</u>	<u>61.4</u>	<u>57.8</u>	<u>61.1</u>	<u>57.8</u>
LASB50442	68648	<u>61.3</u>	<u>60.0</u>	<u>58.0</u>	<u>63.1</u>	<u>59.3</u>	<u>60.2</u>	<u>59.4</u>
	69644	<u>60.7</u>	<u>62.1</u>	<u>59.6</u>	<u>63.0</u>	<u>59.6</u>	<u>61.1</u>	<u>60.3</u>
LASB50443	69183	<u>60.4</u>	<u>61.2</u>	<u>59.7</u>	<u>62.8</u>	<u>59.6</u>	<u>60.0</u>	<u>60.1</u>
	69638	<u>60.5</u>	<u>62.3</u>	<u>59.0</u>	<u>62.5</u>	<u>60.7</u>	<u>60.0</u>	<u>60.3</u>

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 INITIAL Von DATE 6/27/16

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6.[4] Date: From 6-27-16 to 7-3-16

Container ID #	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
TA-54-0375 Cell 2 (continued)							
68624	61.3	62.0	59.7	62.9	60.1	60.4	60.6
68507	60.8	62.0	60.0	62.3	60.2	57.9	60.8
69568	59.3	59.3	57.7	61.2	58.1	57.9	60.3
69553	57.7	58.5	57.9	61.5	58.1	59.7	57.9
69598	59.6	59.6	57.2	61.7	56.0	57.2	58.1
LASB50559	92472	58.1	57.0	54.9	59.1	55.4	57.3
	92459	58.3	56.7	55.3	59.5	60.1	56.0
69015	58.1	60.9	59.6	63.7	60.3	60.0	58.7
69639	59.3	61.5	59.4	61.9	59.7	60.2	60.1
69637	60.8	61.0	58.8	62.3	59.5	60.2	60.3
End Time (6.[14])	1333	1304	1322	1333	1313	1314	1309
6.[14]	WO: <u>GA</u> WO: <u>FA</u>	WO: <u>VMM</u> WO: <u>LA</u>	WO: <u>GA</u> WO: <u>LM</u>	WO: <u>VMM</u> WO: <u>LM</u>	WO: <u>GA</u> WO: <u>LM</u>	WO: <u>GA</u> WO: <u>LM</u>	WO: <u>GA</u> WO: <u>LM</u>

Comments:

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6.[4] Date: From 6-27-16 to 7-3-16

6.[18] Performed by

Waste Operator (print)	Signature	Z#	Initials	Date
Tina Aguirre		1174903	TA	16-27-16
Fabian Araya		1174903	FA	16-27-16
Valerie Martinez		123958	VM	16-28-16
Leon Montoya		119526	LM	16-29-16
Tina Aguirre		1174903	TA	16-29-16
Leon Montoya		119526	LM	16-29-16
Valerie Martinez		123958	VM	16-30-16

Waste Operator (print)	Signature	Z#	Initials	Date
Leon Montoya		119526	LM	16-30-16
Tina Aguirre		1174903	TA	17-01-16
Leon Montoya		119526	LM	17-01-16
Tina Aguirre		1174903	TA	17-02-16
Leon Montoya		119526	LM	17-2-16
Tina Aguirre		1174903	TA	17-03-16
Leon Montoya		119526	LM	17-3-16

9.1[2] Reviewed by:

SOM (print)	Signature	Z#	Initials	Date

UET

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

6.[4] Date: From 6-27-16 to 7-03-16

	Monday 6.[4] Start Time: <u>1321</u>	Tuesday 6.[4] Start Time: <u>1325</u>	Wednesday 6.[4] Start Time: <u>1323</u>	Thursday 6.[4] Start Time: <u>1331</u>	Friday 6.[4] Start Time: <u>1314</u>	Saturday 6.[4] Start Time: <u>1315</u>	Sunday 6.[4] Start Time: <u>1300</u>
TA-54-0375 Cell 3							
Calibrated infrared thermometer (4.2.[1][B])	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>10-21-16</u> File Number: <u>101912</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>10-21-16</u> File Number: <u>101912</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>10-21-16</u> File Number: <u>101912</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>10-21-16</u> File Number: <u>101912</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>10-21-16</u> File Number: <u>101912</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>10-21-16</u> File Number: <u>101912</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>10-21-16</u> File Number: <u>101912</u>
Ambient Temperature (6.[5])	<u>65.7</u> °F	<u>65.4</u> °F	<u>63.5</u> °F	<u>63.7</u> °F	<u>62.9</u> °F	<u>63.0</u> °F	<u>64.2</u> °F
(S) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[6])	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT
Container ID #	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
69519	<u>64.5</u>	<u>64.2</u>	<u>61.5</u>	<u>62.4</u>	<u>62.7</u>	<u>61.4</u>	<u>62.8</u>
69645	<u>60.8</u>	<u>61.2</u>	<u>59.5</u>	<u>59.6</u>	<u>60.7</u>	<u>59.9</u>	<u>61.0</u>
94068	<u>60.7</u> <u>64.7</u> ^{QA} <u>62.4</u>	<u>62.9</u>	<u>56.1</u>	<u>62.3</u>	<u>61.5</u>	<u>61.0</u>	<u>62.9</u>
93605	<u>64.6</u>	<u>64.5</u>	<u>61.5</u>	<u>62.7</u>	<u>62.8</u>	<u>61.5</u>	<u>63.3</u>
69548	<u>64.8</u>	<u>65.7</u>	<u>62.9</u>	<u>63.1</u>	<u>63.1</u>	<u>62.5</u>	<u>63.2</u>
69604	<u>64.4</u>	<u>65.2</u>	<u>62.8</u>	<u>63.9</u>	<u>63.3</u>	<u>62.6</u>	<u>64.0</u>
LASB50529 68665	<u>64.6</u>	<u>63.4</u>	<u>60.6</u>	<u>62.2</u>	<u>61.4</u>	<u>60.7</u>	<u>62.2</u>
LASB50418 69595	<u>64.5</u>	<u>64.1</u>	<u>62.4</u>	<u>62.4</u>	<u>62.7</u>	<u>61.8</u>	<u>63.2</u>
69036	<u>65.5</u>	<u>64.0</u>	<u>60.5</u>	<u>62.9</u>	<u>63.0</u>	<u>62.4</u>	<u>64.4</u>
LASB50451 69361	<u>64.4</u>	<u>63.1</u>	<u>61.4</u>	<u>62.5</u>	<u>63.0</u>	<u>62.4</u>	<u>63.8</u>
69559	<u>64.7</u>	<u>65.0</u>	<u>61.8</u>	<u>62.3</u>	<u>63.0</u>	<u>61.5</u>	<u>63.5</u>
LASB50448 69491	<u>63.2</u>	<u>65.2</u>	<u>62.7</u>	<u>62.6</u>	<u>63.2</u>	<u>62.7</u>	<u>63.2</u>

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6.[4] Date: From 6-27-16 to 7-03-16

Container ID #	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
TA-54-0375 Cell 3 (continued)							
87827	66.5	67.2	65.1	64.7	65.9	64.9	65.7
87826	66.7	66.8	63.3	64.5	64.8	63.6	65.2
87823	67.7	67.6	64.6	65.0	66.0	63.7	65.2
87825	68.4	66.3	63.7	66.7	65.9	66.2	66.3
End Time (6.[14])	1327	1328	1325	1335	1317	1318	1303
6.[14]	WO: <u>GA</u> WO: <u>FA</u>	WO: <u>VGM</u> WO: <u>CM</u>	WO: <u>GA</u> WO: <u>CM</u>	WO: <u>GA</u> WO: <u>CM</u>	WO: <u>VGM</u> WO: <u>L</u>	WO: <u>GA</u> WO: <u>CM</u>	WO: <u>GA</u> WO: <u>L</u>

Comments:

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6.[4] Date: From 6-27-16 to 7-03-16

6.[18] Performed by:

Waste Operator (print)	Signature	Z#	Initials	Date
Tina Aguirre	<i>[Signature]</i>	174901	TA	6-27-16
Fabian Anaya	<i>[Signature]</i>	174901	FA	6-27-16
Valerie Martinez	<i>[Signature]</i>	239581	VM	6-28-16
Leon Montoya	<i>[Signature]</i>	195261	LM	6-28-16
Tina Aguirre	<i>[Signature]</i>	174901	TA	6-29-16
Leon Montoya	<i>[Signature]</i>	195261	LM	6-29-16
Tina Aguirre	<i>[Signature]</i>	174901	TA	6-30-16
Tina Aguirre	<i>[Signature]</i>	174901	TA	6-30-16

Waste Operator (print)	Signature	Z#	Initials	Date
Leon Montoya	<i>[Signature]</i>	195261	LM	6-30-16
Valerie Martinez	<i>[Signature]</i>	239581	VM	7-01-16
Leon Montoya	<i>[Signature]</i>	195261	LM	7-1-16
Tina Aguirre	<i>[Signature]</i>	174901	TA	7-02-16
Leon Montoya	<i>[Signature]</i>	195261	LM	7-2-16
Tina Aguirre	<i>[Signature]</i>	174901	TA	7-03-16
Leon Montoya	<i>[Signature]</i>	195261	LM	7-3-16

9.1[2] Reviewed by:

SOM (print)	Signature	Z#	Initials	Date

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

6.[4] Date: From 7-04-16 to 7-10-16

		Monday 6.[4] Start Time: <u>1314</u>	Tuesday 6.[4] Start Time: <u>1324</u>	Wednesday 6.[4] Start Time: <u>1314</u>	Thursday 6.[4] Start Time: <u>1303</u>	Friday 6.[4] Start Time: <u>1312</u>	Saturday 6.[4] Start Time: <u>1311</u>	Sunday 6.[4] Start Time: <u>1300</u>
TA-54-0375 Cell 1								
Calibrated infrared thermometer (4.2[1][B])		Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>7-7-16</u> File Number: <u>109571</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>1-28-17</u> File Number: <u>104841</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>1-28-17</u> File Number: <u>104841</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>1-28-17</u> File Number: <u>104841</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>1-28-17</u> File Number: <u>104841</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>1-28-17</u> File Number: <u>104841</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>1-28-17</u> File Number: <u>104841</u>
Ambient Temperature(6.[5])		<u>66.4</u> °F	<u>67.6</u> °F	<u>68.5</u> °F	<u>69.7</u> °F	<u>69.2</u> °F	<u>69.3</u> °F	<u>66.8</u> °F
(S) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[6])		<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT
Container ID #		Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
68685		<u>69.3</u>	<u>72.1</u>	<u>70.8</u>	<u>71.1</u>	<u>72.7</u>	<u>72.5</u>	<u>70.2</u>
LA00000070503	68540	<u>65.6</u>	<u>67.8</u>	<u>65.7</u>	<u>69.2</u>	<u>69.4</u>	<u>69.3</u>	<u>66.4</u>
	68553	<u>65.7</u>	<u>68.5</u>	<u>66.6</u>	<u>69.0</u>	<u>68.3</u>	<u>69.2</u>	<u>66.3</u>
69445		<u>66.2</u>	<u>67.3</u>	<u>68.5</u>	<u>67.7</u>	<u>68.3</u>	<u>69.9</u>	<u>66.7</u>
69618		<u>64.9</u>	<u>67.4</u>	<u>68.7</u>	<u>68.2</u>	<u>68.5</u>	<u>68.4</u>	<u>66.2</u>
69013		<u>65.8</u>	<u>67.6</u>	<u>66.7</u>	<u>69.1</u>	<u>68.7</u>	<u>69.1</u>	<u>66.7</u>
LASB50522	69076	<u>64.5</u>	<u>66.2</u>	<u>66.4</u>	<u>66.5</u>	<u>67.2</u>	<u>68.2</u>	<u>65.2</u>
LASB50452	69490	<u>63.9</u>	<u>68.2</u>	<u>65.9</u>	<u>67.8</u>	<u>67.0</u>	<u>66.8</u>	<u>64.2</u>
LASB50431	69280	<u>63.6</u>	<u>65.6</u>	<u>64.9</u>	<u>66.5</u>	<u>66.1</u>	<u>67.4</u>	<u>63.7</u>
LASB50069	69208	<u>63.9</u>	<u>65.0</u>	<u>66.3</u>	<u>66.2</u>	<u>65.6</u>	<u>66.7</u>	<u>64.2</u>
LASB50073	69079	<u>63.9</u>	<u>65.7</u>	<u>66.5</u>	<u>66.9</u>	<u>67.1</u>	<u>68.4</u>	<u>64.9</u>
69636		<u>63.0</u>	<u>64.8</u>	<u>65.1</u>	<u>67.7</u>	<u>66.2</u>	<u>66.5</u>	<u>63.5</u>

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6.[4] Date: From 7-04-16 to 7-10-16

Container ID #	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
TA-54-0375 Cell 1 (continued)							
69616	63.9	66.2	66.5	68.4	68.5	67.9	64.1
69417	N/A	N/A	N/A	N/A	N/A	N/A	N/A
69620	64.8	66.9	66.4	67.1	66.7	68.7	65.8
69520	64.6	66.1	66.9	67.9	67.4	67.6	65.4
69641 <i>drum</i>	64.6 64.0	65.6	66.0	67.1	66.1	62.5	64.6
69298 <i>drum</i>	64.0 63.9	64.7	65.5	66.2	65.3	67.3	64.1
LASB02203 92669	62.9	63.2	63.4	64.2	63.7	65.0	63.4
End Time (6.[14])	1319	1330	1318	1307	1316	1316	1305
6.[14]	WO: <u>LM</u> WO: <u>JA</u>	WO: <u>JA</u> WO: <u>FA</u>	WO: <u>JA</u> WO: <u>FA</u>	WO: <u>JA</u> WO: <u>FA</u>	WO: <u>PP</u> WO: <u>LM</u>	WO: <u>EP</u> WO: <u>FA</u>	WO: <u>EP</u> WO: <u>LM</u>

Comments:

SWB/drum 69417 is no longer considered a RNS drum by LANL or NMED

NOTE: Containers marked by an (*) are POCs.

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ATTACHMENT 2

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6.[4] Date: From 7-04-16 to 7-10-16

6.[18] Performed by:

Waste Operator (print)	Signature	Z#	Initials	Date
<u>Tina Aguirre</u>	<u>[Signature]</u>	<u>119471</u>	<u>TA</u>	<u>7-04-16</u>
<u>Leon Montoya</u>	<u>[Signature]</u>	<u>1191526</u>	<u>LM</u>	<u>7-4-16</u>
<u>Tina Aguirre</u>	<u>[Signature]</u>	<u>119471</u>	<u>TA</u>	<u>7-05-16</u>
<u>Fabian Araya</u>	<u>[Signature]</u>	<u>1174923</u>	<u>FA</u>	<u>7-5-16</u>
<u>Tina Aguirre</u>	<u>[Signature]</u>	<u>119471</u>	<u>TA</u>	<u>7-06-16</u>
<u>Leon Montoya</u>	<u>[Signature]</u>	<u>1191526</u>	<u>LM</u>	<u>7-6-16</u>
<u>Tina Aguirre</u>	<u>[Signature]</u>	<u>119471</u>	<u>TA</u>	<u>7-07-16</u>

Waste Operator (print)	Signature	Z#	Initials	Date
<u>Leon Montoya</u>	<u>[Signature]</u>	<u>1191526</u>	<u>LM</u>	<u>7-7-16</u>
<u>Edward Pacheco</u>	<u>[Signature]</u>	<u>1104971</u>	<u>EP</u>	<u>7-8-16</u>
<u>Leon Montoya</u>	<u>[Signature]</u>	<u>1191526</u>	<u>LM</u>	<u>7-8-16</u>
<u>Edward Pacheco</u>	<u>[Signature]</u>	<u>1104971</u>	<u>EP</u>	<u>7-9-16</u>
<u>Fabian Araya</u>	<u>[Signature]</u>	<u>1174923</u>	<u>FA</u>	<u>7-9-16</u>
<u>Edward Pacheco</u>	<u>[Signature]</u>	<u>1104971</u>	<u>EP</u>	<u>7-10-16</u>
<u>Leon Montoya</u>	<u>[Signature]</u>	<u>1191526</u>	<u>LM</u>	<u>7-10-16</u>

9.1[2] Reviewed by:

SOM (print)	Signature	Z#	Initials	Date

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

6.[4] Date: From 7-04-16 to 7-10-16

		Monday 6.[4] Start Time: <u>1303</u>	Tuesday 6.[4] Start Time: <u>1319</u>	Wednesday 6.[4] Start Time: <u>1308</u>	Thursday 6.[4] Start Time: <u>1308</u>	Friday 6.[4] Start Time: <u>1306</u>	Saturday 6.[4] Start Time: <u>1305</u>	Sunday 6.[4] Start Time: <u>1312</u>
TA-54-0375 Cell 2								
Calibrated infrared thermometer (4.2.1)(B)		Brand <u>Fluke</u> Model <u>561</u> Cal. Due Date <u>1-28-17</u> File Number <u>104841</u>	Brand <u>Fluke</u> Model <u>561</u> Cal. Due Date <u>1-28-17</u> File Number <u>104841</u>	Brand <u>Fluke</u> Model <u>561</u> Cal. Due Date <u>1-28-17</u> File Number <u>104841</u>	Brand <u>Fluke</u> Model <u>561</u> Cal. Due Date <u>1-28-17</u> File Number <u>104841</u>	Brand <u>Fluke</u> Model <u>561</u> Cal. Due Date <u>1-28-17</u> File Number <u>104841</u>	Brand <u>Fluke</u> Model <u>561</u> Cal. Due Date <u>1-28-17</u> File Number <u>104841</u>	Brand <u>Fluke</u> Model <u>561</u> Cal. Due Date <u>1-28-17</u> File Number <u>104841</u>
Ambient Temperature (6.5)		<u>58.4</u> °F	<u>61.4</u> °F	<u>60.0</u> °F	<u>59.6</u> °F	<u>59.3</u> °F	<u>60.7</u> °F	<u>62.8</u> °F
(S) Temperature ≤ 75°F SR 4.ESS.5.1 (6.6)		<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT
Container ID #		Temp (°F) (6.8)/6.9/6.10)	Temp (°F) (6.8)/6.9/6.10)	Temp (°F) (6.8)/6.9/6.10)	Temp (°F) (6.8)/6.9/6.10)	Temp (°F) (6.8)/6.9/6.10)	Temp (°F) (6.8)/6.9/6.10)	Temp (°F) (6.8)/6.9/6.10)
LASB02198	68408	<u>56.1</u>	<u>57.4</u>	<u>56.7</u>	<u>56.8</u>	<u>56.4</u>	<u>59.9</u>	<u>59.7</u>
	68638	<u>58.8</u>	<u>60.0</u>	<u>60.3</u>	<u>59.4</u>	<u>59.7</u>	<u>58.9</u>	<u>57.9</u>
	69615	<u>60.2</u>	<u>61.4</u>	<u>61.9</u>	<u>61.3</u>	<u>61.2</u>	<u>61.5</u>	<u>59.2</u>
	69635	<u>60.0</u>	<u>62.7</u>	<u>61.1</u>	<u>61.4</u>	<u>60.8</u>	<u>61.8</u>	<u>60.8</u>
	69642	<u>62.7</u>	<u>63.0</u>	<u>63.2</u>	<u>63.5</u>	<u>63.2</u>	<u>63.9</u>	<u>62.2</u>
	69630	<u>59.5</u>	<u>62.7</u>	<u>61.8</u>	<u>60.8</u>	<u>60.4</u>	<u>61.1</u>	<u>60.2</u>
	69633	<u>58.7</u>	<u>59.4</u>	<u>59.9</u>	<u>60.2</u>	<u>61.7</u>	<u>60.7</u>	<u>59.7</u>
	68430	<u>60.3</u>	<u>61.6</u>	<u>61.9</u>	<u>62.2</u>	<u>61.4</u>	<u>61.9</u>	<u>61.6</u>
	68631	<u>57.7</u>	<u>58.4</u>	<u>58.0</u>	<u>58.8</u>	<u>58.1</u>	<u>59.0</u>	<u>58.4</u>
	69634	<u>55.0</u>	<u>56.1</u>	<u>55.4</u>	<u>56.0</u>	<u>55.6</u>	<u>56.7</u>	<u>55.7</u>
	68567	<u>57.0</u>	<u>58.4</u>	<u>57.1</u>	<u>58.1</u>	<u>57.5</u>	<u>59.0</u>	<u>57.7</u>
	94227	<u>57.4</u>	<u>57.8</u>	<u>58.2</u>	<u>58.5</u>	<u>58.0</u>	<u>58.7</u>	<u>57.8</u>
LASB50442	68648	<u>58.0</u>	<u>60.4</u>	<u>59.9</u>	<u>60.5</u>	<u>60.3</u>	<u>61.1</u>	<u>60.1</u>
	69644	<u>59.2</u>	<u>60.2</u>	<u>60.4</u>	<u>60.5</u>	<u>60.8</u>	<u>59.8</u>	<u>60.1</u>
LASB50443	69183	<u>58.8</u>	<u>61.1</u>	<u>60.8</u>	<u>60.9</u>	<u>60.1</u>	<u>61.3</u>	<u>59.9</u>
	69638	<u>58.9</u>	<u>60.7</u>	<u>60.8</u>	<u>61.3</u>	<u>60.4</u>	<u>61.5</u>	<u>60.5</u>

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6.[4] Date: From 7-04-16 to 7-10-16

Container ID #	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
TA-54-0375 Cell 2 (continued)							
68624	59.3	60.2	60.9	62.0	60.2	60.9	60.3
68507	60.3	61.6	61.6	58.1	62.4	62.2	60.3
69568	56.9	58.7	58.1	58.0	57.8	59.5	58.6
69553	57.8	58.5	57.9	58.8	57.9	59.0	60.9
69598	58.4	58.6	58.8	56.6	58.1	59.5	57.1
LASB50559	92472	55.9	57.4	56.5	56.8	55.7	57.5
	92459	54.7	56.3	55.2	58.8	55.1	58.1
69015	59.4	61.8	61.2	61.5	60.4	61.7	60.3
69639	59.9	60.7	60.9	61.6	60.5	61.6	60.8
69637	59.5	62.1	60.6	60.6	60.2	61.8	60.4
End Time (6.[14])	1309	1323	1313	1312	1311	1310	1316
6.[14]	WO: <u>GA</u>	WO: <u>GA</u>	WO: <u>GA</u>	WO: <u>GA</u>	WO: <u>EP</u>	WO: <u>EP</u>	WO: <u>EP</u>
	WO: <u>LM</u>	WO: <u>FA</u>	WO: <u>LM</u>	WO: <u>LM</u>	WO: <u>LM</u>	WO: <u>FA</u>	WO: <u>LM</u>

Comments:

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6.[4] Date: From 7-04-16 to 7-10-16

6.[18] Performed by:

<u>Tina Aguirre</u>	<u>Tina Aguirre</u>	<u>124971</u>	<u>TA</u>	<u>17-04-16</u>
Waste Operator (print)	Signature	Z#	Initials	Date
<u>Leon Montoya</u>	<u>LM</u>	<u>11915261</u>	<u>LM</u>	<u>17-4-16</u>
Waste Operator (print)	Signature	Z#	Initials	Date
<u>Tina Aguirre</u>	<u>Tina Aguirre</u>	<u>124971</u>	<u>TA</u>	<u>17-05-16</u>
Waste Operator (print)	Signature	Z#	Initials	Date
<u>Fabian Araya</u>	<u>Fabian Araya</u>	<u>11949031</u>	<u>FA</u>	<u>17-5-16</u>
Waste Operator (print)	Signature	Z#	Initials	Date
<u>Tina Aguirre</u>	<u>Tina Aguirre</u>	<u>124971</u>	<u>TA</u>	<u>17-06-16</u>
Waste Operator (print)	Signature	Z#	Initials	Date
<u>Leon Montoya</u>	<u>LM</u>	<u>11915261</u>	<u>LM</u>	<u>17-6-16</u>
Waste Operator (print)	Signature	Z#	Initials	Date
<u>Tina Aguirre</u>	<u>Tina Aguirre</u>	<u>124971</u>	<u>TA</u>	<u>17-07-16</u>
Waste Operator (print)	Signature	Z#	Initials	Date

<u>Leon Montoya</u>	<u>LM</u>	<u>11915261</u>	<u>LM</u>	<u>17-7-16</u>
Waste Operator (print)	Signature	Z#	Initials	Date
<u>Edward Pacheco</u>	<u>Edward Pacheco</u>	<u>1004971</u>	<u>EP</u>	<u>17-8-16</u>
Waste Operator (print)	Signature	Z#	Initials	Date
<u>Leon Montoya</u>	<u>LM</u>	<u>11915261</u>	<u>LM</u>	<u>17-8-16</u>
Waste Operator (print)	Signature	Z#	Initials	Date
<u>Edward Pacheco</u>	<u>Edward Pacheco</u>	<u>1004971</u>	<u>EP</u>	<u>17-9-16</u>
Waste Operator (print)	Signature	Z#	Initials	Date
<u>Fabian Araya</u>	<u>Fabian Araya</u>	<u>11949031</u>	<u>FA</u>	<u>17-9-16</u>
Waste Operator (print)	Signature	Z#	Initials	Date
<u>Edward Pacheco</u>	<u>Edward Pacheco</u>	<u>1004971</u>	<u>EP</u>	<u>17-10-16</u>
Waste Operator (print)	Signature	Z#	Initials	Date
<u>Leon Montoya</u>	<u>LM</u>	<u>11915261</u>	<u>LM</u>	<u>17-10-16</u>
Waste Operator (print)	Signature	Z#	Initials	Date

9.1[2] Reviewed by:

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

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

6.[4] Date: From 7-04-16 to 7-16-16

	Monday 6.[4] Start Time: <u>1310</u>	Tuesday 6.[4] Start Time: <u>1313</u>	Wednesday 6.[4] Start Time: <u>1302</u>	Thursday 6.[4] Start Time: <u>1313</u>	Friday 6.[4] Start Time: <u>1301</u>	Saturday 6.[4] Start Time: <u>1300</u>	Sunday 6.[4] Start Time: <u>1306</u>
TA-54-0375 Cell 3							
Calibrated infrared thermometer (4.2.[1][B])	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>10-21-16</u> File Number: <u>101912</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>10-21-16</u> File Number: <u>101912</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>10-21-16</u> File Number: <u>101912</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>10-21-16</u> File Number: <u>101912</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>10-21-16</u> File Number: <u>101912</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>10-21-16</u> File Number: <u>101912</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>10-21-16</u> File Number: <u>101912</u>
Ambient Temperature (6.[5])	<u>65.5</u> °F	<u>65.3</u> °F	<u>64.9</u> °F	<u>65.9</u> °F	<u>63.9</u> °F	<u>66.1</u> °F	<u>64.5</u> °F
(S) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[6])	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT
Container ID #	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
69519	<u>62.2</u>	<u>63.9</u>	<u>62.5</u>	<u>63.7</u>	<u>62.4</u>	<u>64.1</u>	<u>61.8</u>
69645	<u>60.6</u>	<u>60.1</u>	<u>63.5</u> ^{max}	<u>59.7</u>	<u>59.3</u>	<u>61.1</u>	<u>58.9</u>
94068	<u>61.9</u>	<u>62.1</u>	<u>63.2</u> <u>63.3</u>	<u>64.1</u>	<u>62.2</u>	<u>63.1</u>	<u>61.5</u>
93605	<u>62.8</u>	<u>63.7</u>	<u>63.8</u>	<u>65.2</u>	<u>63.9</u>	<u>64.2</u>	<u>62.6</u>
69548	<u>63.1</u>	<u>63.3</u>	<u>65.8</u>	<u>65.4</u>	<u>64.6</u>	<u>65.1</u>	<u>62.6</u>
69604	<u>62.8</u>	<u>63.6</u>	<u>65.2</u>	<u>65.3</u>	<u>63.5</u>	<u>64.5</u>	<u>60.4</u>
LASB50529 68665	<u>60.8</u>	<u>62.1</u>	<u>62.4</u>	<u>63.4</u>	<u>61.2</u>	<u>63.4</u>	<u>62.2</u>
LASB50418 69595	<u>62.0</u>	<u>62.5</u>	<u>63.1</u>	<u>65.2</u>	<u>63.4</u>	<u>64.2</u>	<u>62.2</u>
69036	<u>63.3</u>	<u>63.0</u>	<u>62.7</u>	<u>64.3</u>	<u>62.7</u>	<u>63.5</u>	<u>62.3</u>
LASB50451 69361	<u>63.2</u>	<u>62.6</u>	<u>62.2</u>	<u>63.7</u>	<u>61.5</u>	<u>64.2</u>	<u>62.5</u>
69559	<u>63.0</u>	<u>63.4</u>	<u>62.9</u>	<u>63.3</u>	<u>64.0</u>	<u>64.6</u>	<u>62.3</u>
LASB50448 69491	<u>63.0</u>	<u>63.8</u>	<u>64.0</u>	<u>64.5</u>	<u>63.1</u>	<u>64.8</u>	<u>62.2</u>

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INITIAL QA DATE 7-04-16

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ATTACHMENT 4

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6.[4] Date: From 7-04-16 to 7-10-16

Container ID #	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
TA-54-0375 Cell 3 (continued)							
87827	65.2	65.5	65.8	66.6	65.7	66.6	64.6
87826	63.5	65.4	66.2	66.4	65.4	65.3	63.8
87823	65.5	65.2	66.9	67.6	66.5	66.1	65.3
87825	66.8	65.9	66.6	69.1	67.6	67.3	65.5
End Time (6.[14])	1613	1318	1307	1316	1305	1304	1311
6.[14]	WO: <u>DL</u> WO: <u>LM</u>	WO: <u>DL</u> WO: <u>FA</u>	WO: <u>DL</u> WO: <u>E</u>	WO: <u>DL</u> WO: <u>LM</u>	WO: <u>EP</u> WO: <u>LM</u>	WO: <u>EP</u> WO: <u>FA</u>	WO: <u>EP</u> WO: <u>LM</u>

Comments:

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ATTACHMENT 4

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6.[4] Date: From 7-04-16 to 7-10-16

6.[18] Performed by:

Waste Operator (print)	Signature	Z#	Initials	Date
Lina Aguirre	<i>[Signature]</i>	11497	QA	7-04-16
Leon Montoya	<i>[Signature]</i>	191526	LM	7-4-16
Lina Aguirre	<i>[Signature]</i>	11497	QA	7-05-16
Fabian Araya	<i>[Signature]</i>	17492	FA	7-5-16
Lina Aguirre	<i>[Signature]</i>	11497	QA	7-06-16
Leon Montoya	<i>[Signature]</i>	191526	LM	7-8-16
Lina Aguirre	<i>[Signature]</i>	11497	QA	7-07-16

Waste Operator (print)	Signature	Z#	Initials	Date
Leon Montoya	<i>[Signature]</i>	191526	LM	7-7-16
Edward Pacheco	<i>[Signature]</i>	100497	EP	7-8-16
Leon Montoya	<i>[Signature]</i>	191526	LM	7-8-16
Edward Pacheco	<i>[Signature]</i>	100497	EP	7-9-16
Fabian Araya	<i>[Signature]</i>	17492	FA	7-9-16
Edward Pacheco	<i>[Signature]</i>	100497	EP	7-10-16
Leon Montoya	<i>[Signature]</i>	191526	LM	7-10-16

9.1[2] Reviewed by:

SOM (print)	Signature	Z#	Initials	Date

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

6.[4] Date: From 7-11-16 to 7-17-16

		Monday 6.[4] Start Time: <u>1328</u>	Tuesday 6.[4] Start Time: <u>1310</u>	Wednesday 6.[4] Start Time: <u>1321</u>	Thursday 6.[4] Start Time: <u>1319</u>	Friday 6.[4] Start Time:	Saturday 6.[4] Start Time:	Sunday 6.[4] Start Time:
TA-54-0375 Cell 1								
Calibrated infrared thermometer (4.2(1)(B))		Brand <u>Fluke</u> Model <u>561</u> Cal Due Date <u>10-21-16</u> File Number <u>101912</u>	Brand <u>Fluke</u> Model <u>561</u> Cal Due Date <u>10-21-16</u> File Number <u>101912</u>	Brand <u>Fluke</u> Model <u>561</u> Cal Due Date <u>10-21-16</u> File Number <u>101912</u>	Brand <u>Fluke</u> Model <u>561</u> Cal Due Date <u>10-21-16</u> File Number <u>101912</u>	Brand _____ Model _____ Cal Due Date _____ File Number _____	Brand _____ Model _____ Cal Due Date _____ File Number _____	Brand _____ Model _____ Cal Due Date _____ File Number _____
Ambient Temperature(6.[5])		<u>68.6</u> °F	<u>68.4</u> °F	<u>69.3</u> °F	<u>69.8</u> °F	°F	°F	°F
(S) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[6])		<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT
Container ID #		Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
68685		<u>71.2</u>	<u>71.7</u>	<u>70.7</u>	<u>71.0</u>			
LA00000070503	68540	<u>68.8</u>	<u>68.3</u>	<u>69.1</u>	<u>69.1</u>			
	68553	<u>68.6</u>	<u>68.4</u>	<u>67.5</u>	<u>68.9</u>			
69445		<u>68.5</u>	<u>69.0</u>	<u>68.3</u>	<u>68.4</u>			
69618		<u>68.6</u>	<u>67.5</u>	<u>68.7</u>	<u>68.6</u>			
69013		<u>69.2</u>	<u>69.6</u>	<u>69.0</u>	<u>69.5</u>			
LASB50522	69076	<u>67.9</u>	<u>67.3</u>	<u>67.4</u>	<u>67.3</u>			
LASB50452	69490	<u>67.4</u>	<u>66.8</u>	<u>66.8</u>	<u>67.1</u>			
LASB50431	69280	<u>66.4</u>	<u>65.9</u>	<u>66.1</u>	<u>67.5</u>			
LASB50069	69208	<u>65.2</u>	<u>65.5</u>	<u>65.5</u>	<u>65.8</u>			
LASB50073	69079	<u>66.7</u>	<u>66.5</u>	<u>66.4</u>	<u>66.6</u>			
69636		<u>66.5</u>	<u>66.2</u>	<u>66.0</u>	<u>66.3</u>			

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6.[4] Date: From 2-11-16 to 2-17-16

Container ID #	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
TA-54-0375 Cell 1 (continued)							
69616	66.8	67.0	66.7	67.3			
69417	N/A	N/A	N/A	N/A	N/A	N/A	N/A
69620	66.5	67.3	68.6	67.8			
69520	68.1	66.7	67.7	66.7			
69641	67.1	66.5	66.7	68.4			
69298	66.4	66.1	65.9	66.0			
LASB02203 92669	64.1	64.1	63.6	63.6			
End Time (6.[14])	1333	1319	1328	1324			
6.[14]	WO: EP WO: LM	WO: VON WO: FH	WO: FH WO: LM	WO: MV WO: FH	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____

Comments:

SWB/drum 69417 is no longer considered a RNS drum by LANL or NMED

NOTE: Containers marked by an (*) are POCs.

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

6.[4] Date: From 7-11-16 to 7-17-16

		Monday 6.[4] Start Time: <u>1321</u>	Tuesday 6.[4] Start Time: <u>1310</u>	Wednesday 6.[4] Start Time: <u>1305</u>	Thursday 6.[4] Start Time: <u>1310</u>	Friday 6.[4] Start Time: _____	Saturday 6.[4] Start Time: _____	Sunday 6.[4] Start Time: _____
TA-54-0375 Cell 2								
Calibrated infrared thermometer (4.2)[1][B])	Brand <u>Fluke</u> Model: <u>561</u> Cal Due Date <u>10-21-16</u> File Number <u>101912</u>	Brand <u>Fluke</u> Model: <u>561</u> Cal Due Date <u>1-28-17</u> File Number <u>104841</u>	Brand <u>Fluke</u> Model: <u>561</u> Cal Due Date <u>1-28-17</u> File Number <u>104841</u>	Brand <u>Fluke</u> Model: <u>561</u> Cal Due Date <u>1-28-17</u> File Number <u>104841</u>	Brand: _____ Model: _____ Cal Due Date _____ File Number _____	Brand: _____ Model: _____ Cal Due Date _____ File Number _____	Brand: _____ Model: _____ Cal Due Date _____ File Number _____	Brand: _____ Model: _____ Cal Due Date _____ File Number _____
Ambient Temperature (6.[5])	<u>60.1</u> °F	<u>60.4</u> °F	<u>60.0</u> °F	<u>60.2</u> °F	_____ °F	_____ °F	_____ °F	_____ °F
(S) Temperature ≤ 75°F SR LESS.5.1 (6.[6])	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT
Container ID #	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
LASB02198 68408	<u>57.5</u>	<u>58.0</u>	<u>57.1</u>	<u>57.6</u>				
68638	<u>60.4</u>	<u>58.8</u>	<u>58.8</u>	<u>59.7</u>				
69615	<u>61.9</u>	<u>62.3</u>	<u>61.1</u>	<u>61.8</u>				
69635	<u>61.8</u>	<u>62.2</u>	<u>60.8</u>	<u>61.5</u>				
69642	<u>62.9</u>	<u>62.5</u>	<u>62.4</u>	<u>62.7</u>				
69630	<u>62.1</u>	<u>61.4</u>	<u>60.4</u>	<u>60.9</u>				
69633	<u>60.3</u>	<u>60.5</u>	<u>59.5</u>	<u>60.8</u>				
68430	<u>62.7</u>	<u>61.2</u>	<u>60.2</u>	<u>61.8</u>				
68631	<u>59.0</u>	<u>57.2</u>	<u>58.5</u>	<u>58.4</u>				
69634	<u>56.0</u>	<u>56.5</u>	<u>55.5</u>	<u>55.5</u>				
68567	<u>58.5</u>	<u>58.4</u>	<u>57.0</u>	<u>57.5</u>				
94227	<u>58.9</u>	<u>58.2</u>	<u>57.6</u>	<u>58.4</u>				
LASB50442 68648	<u>60.2</u>	<u>69.2</u>	<u>59.3</u>	<u>60.4</u>				
69644	<u>60.6</u>	<u>59.10</u>	<u>59.7</u>	<u>60.1</u>				
LASB50443 69183	<u>60.9</u>	<u>61.0</u>	<u>59.0</u>	<u>60.5</u>				
69638	<u>61.0</u>	<u>60.3</u>	<u>60.4</u>	<u>60.7</u>				

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6.[4] Date: From 7-11-16 to 7-17-16

Container ID #	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
TA-54-0375 Cell 2 (continued)							
68624	61.2	60.1	60.1	61.1			
68507	62.1	61.3	61.0	61.7			
69568	58.8	57.1	56.8	58.5			
69553	58.6	58.0	59.1	58.6			
69598	59.2	59.1	59.9	52.2			
LASB50559	92472	56.6	50.4	56.1	56.7		
	92459	57.3	55.0	55.2	55.1		
69015	63.5	61.2	60.6	61.4			
69639	61.5	60.3	59.9	60.6			
69637	62.1	60.0	60.6	60.8			
End Time (6.[14])	1327	1315	1312	1318			
6.[14]	WO: EP WO: CM	WO: VON WO: FA	WO: FA WO: CM	WO: MV WO: FA	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____

Comments:

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6.[4] Date: From 7-11-16 to 7-17-16

6.[18] Performed by:

<u>Edward Pacheco</u>	<u>Edward Pacheco</u>	<u>100497</u>	<u>EP</u>	<u>17-11-16</u>
Waste Operator (print)	Signature	Z#	Initials	Date
<u>Leon Montoya</u>	<u>[Signature]</u>	<u>191526</u>	<u>LM</u>	<u>7-11-16</u>
Waste Operator (print)	Signature	Z#	Initials	Date
<u>Valerie Martinez</u>	<u>Valerie Martinez</u>	<u>633958</u>	<u>VM</u>	<u>7-12-16</u>
Waste Operator (print)	Signature	Z#	Initials	Date
<u>Fabian Araya</u>	<u>Fabian Araya</u>	<u>1174963</u>	<u>FA</u>	<u>17-12-16</u>
Waste Operator (print)	Signature	Z#	Initials	Date
<u>Fabian Araya</u>	<u>Fabian Araya</u>	<u>1174963</u>	<u>FA</u>	<u>17-13-16</u>
Waste Operator (print)	Signature	Z#	Initials	Date
<u>Leon Montoya</u>	<u>[Signature]</u>	<u>191526</u>	<u>LM</u>	<u>7-13-16</u>
Waste Operator (print)	Signature	Z#	Initials	Date
<u>Michael Vigil</u>	<u>Michael Vigil</u>	<u>215267</u>	<u>MV</u>	<u>7-14-16</u>
Waste Operator (print)	Signature	Z#	Initials	Date

<u>Fabian Araya</u>	<u>Fabian Araya</u>	<u>1174963</u>	<u>FA</u>	<u>17-14-16</u>
Waste Operator (print)	Signature	Z#	Initials	Date
/	/	/	/	/
Waste Operator (print)	Signature	Z#	Initials	Date
/	/	/	/	/
Waste Operator (print)	Signature	Z#	Initials	Date
/	/	/	/	/
Waste Operator (print)	Signature	Z#	Initials	Date
/	/	/	/	/
Waste Operator (print)	Signature	Z#	Initials	Date
/	/	/	/	/
Waste Operator (print)	Signature	Z#	Initials	Date
/	/	/	/	/
Waste Operator (print)	Signature	Z#	Initials	Date
/	/	/	/	/
Waste Operator (print)	Signature	Z#	Initials	Date
/	/	/	/	/
Waste Operator (print)	Signature	Z#	Initials	Date
/	/	/	/	/

9.1[2] Reviewed by:

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

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

6.[4] Date: From 7-11-16 to 7-17-16

Monday 6.[4] Start Time: <u>1315</u>	Tuesday 6.[4] Start Time: <u>1303</u>	Wednesday 6.[4] Start Time: <u>1313</u>	Thursday 6.[4] Start Time: <u>1307</u>	Friday 6.[4] Start Time:	Saturday 6.[4] Start Time:	Sunday 6.[4] Start Time:
---	--	--	---	--------------------------------	----------------------------------	--------------------------------

TA-54-0375 Cell 3							
Calibrated infrared thermometer (4.2.[1][B])	Brand <u>Fluke</u> Model <u>561</u> Cal. Due Date <u>10-21-16</u> File Number <u>101912</u>	Brand <u>Fluke</u> Model <u>5101</u> Cal. Due Date <u>1-28-17</u> File Number <u>104941</u>	Brand <u>Fluke</u> Model <u>561</u> Cal. Due Date <u>1-28-17</u> File Number <u>104941</u>	Brand <u>Fluke</u> Model <u>561</u> Cal. Due Date <u>1-28-17</u> File Number <u>104941</u>	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number	Brand: Model: Cal. Due Date: File Number
Ambient Temperature (6.[5])	<u>65.7</u> °F	<u>65.3</u> °F	<u>64.3</u> °F	<u>64.7</u> °F	°F	°F	°F
(S) Temperature ≤ 75°F SR J.ESS.5.1 (6.[6])	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT
Container ID #	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
69519	<u>63.7</u>	<u>63.4</u>	<u>61.9</u>	<u>63.4</u>			
69645	<u>60.6</u>	<u>59.9</u>	<u>59.9</u>	<u>59.9</u>			
94068	<u>62.9</u>	<u>62.7</u>	<u>62.4</u>	<u>62.4</u>			
93605	<u>65.2</u>	<u>63.0</u>	<u>62.8</u>	<u>62.8</u>			
69548	<u>65.0</u>	<u>63.7</u>	<u>63.5</u>	<u>63.5</u>			
69604	<u>66.3</u>	<u>62.9</u>	<u>63.7</u>	<u>63.7</u>			
LASB50529 68665	<u>62.5</u>	<u>61.4</u>	<u>62.7</u>	<u>62.7</u>			
LASB50418 69595	<u>63.7</u>	<u>61.9</u>	<u>62.4</u>	<u>62.4</u>			
69036	<u>63.2</u>	<u>62.3</u>	<u>61.5</u>	<u>61.5</u>			
LASB50451 69361	<u>63.5</u>	<u>61.7</u>	<u>61.3</u>	<u>61.3</u>			
69559	<u>65.8</u>	<u>63.7</u>	<u>62.3</u>	<u>63.2</u>			
LASB50448 69491	<u>64.8</u>	<u>63.10</u>	<u>62.3</u>	<u>63.9</u>			

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6.[4] Date: From 7-11-16 to 7-17-16

Container ID #	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
TA-54-0375 Cell 3 (continued)							
87827	67.8	65.3	65.7	65.9			
87826	65.6	65.1	65.1	65.3			
87823	68.7	65.8	67.1	66.0			
87825	68.0	66.5	66.5	66.4			
End Time (6.[14])	1320	1309	1320	1308			
6.[14]	WO: EP WO: Cm	WO: VOM WO: FA	WO: FA WO: RR	WO: MV WO: FA	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____

Comments:

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

NOTE SWB/drum 6941 is no longer considered a RNS drum by LANL or NMED. Containers marked by an (*) are POCs.

	Monday 6.[4] Date & Start Time:	Tuesday 6.[4] Date & Start Time:	Wednesday 6.[4] Date & Start Time:	Thursday 6.[4] Date & Start Time:	Friday 6.[4] Date & Start Time:	Saturday 6.[4] Date & Start Time:	Sunday 6.[4] Date & Start Time:
TA-54-0375 Cell 1					7/15/16/1303	7/16/16/1319	7/17/16/1317
Calibrated infrared thermometer (4.2.1[2][B])	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: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>10-21-10</u> File Number: <u>101912</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>10-21-10</u> File Number: <u>101912</u>	Brand: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>10-21-10</u> File Number: <u>101912</u>
Ambient Temperature (6.15)	_____°F	_____°F	_____°F	_____°F	<u>63.4</u> °F	<u>69.5</u> °F	<u>69.4</u> °F
(S) Temperature ≤ 75°F SR 4.ESS.5.1 (6.6)	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT
Container ID #	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
68685					<u>65.9</u>	<u>71.4</u>	<u>72.1</u>
LA00000070503	68540				<u>64.4</u>	<u>69.3</u>	<u>71.0</u>
	68553				<u>63.9</u>	<u>69.4</u>	<u>69.0</u>
69445					<u>65.5</u>	<u>69.1</u>	<u>69.3</u>
69618					<u>63.8</u>	<u>67.8</u>	<u>69.4</u>
69013					<u>64.5</u>	<u>69.8</u>	<u>70.3</u>
LASB50522	69076				<u>63.1</u>	<u>68.0</u>	<u>68.1</u>
LASB50452	69490				<u>62.7</u>	<u>67.3</u>	<u>68.0</u>
LASB50431	69280				<u>61.3</u>	<u>66.4</u>	<u>67.0</u>
LASB50069	69208				<u>61.7</u>	<u>66.3</u>	<u>66.3</u>
LASB50073	69079				<u>63.7</u>	<u>67.0</u>	<u>68.1</u>
69636					<u>61.6</u>	<u>67.5</u>	<u>67.3</u>

2# 100497

INITIAL EP

DATE 07-15-2016

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Container ID #	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	Temp (°F) (6.8]/6.9]/6.10])	Temp (°F) (6.8]/6.9]/6.10])	Temp (°F) (6.8]/6.9]/6.10])	Temp (°F) (6.8]/6.9]/6.10])	Temp (°F) (6.8]/6.9]/6.10])	Temp (°F) (6.8]/6.9]/6.10])	Temp (°F) (6.8]/6.9]/6.10])
TA-54-0375 Cell 1 (continued)							
69616					62.2	67.0	67.7
69417	N/A	N/A	N/A	N/A	N/A	N/A	N/A
69620					63.8	67.0	68.7
69520					63.6	66.9	67.7
69641					63.0	67.7	67.4
69298					61.8	67.4	66.3
LASB02203	92669				60.4	65.3	65.2
End Time (6.14]					1300	1323	1320
6.14]	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____	WO: <u>Von</u> WO: <u>Ln</u>	WO: <u>Von</u> WO: <u>FA</u>	WO: <u>Von</u> WO: <u>FA</u>

Comments:

New Rev. To Procedure

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6.[18] Performed by:

Waste Operator (print)	Signature	Z#	Initials	Date
Valerie Martinez	Valerie Martinez	123953	VOM	7/15/16
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Valerie Martinez	Valerie Martinez	123953	VOM	7/15/16
Waste Operator (print)	Signature	Z#	Initials	Date
Fabia Anaya	Fabia Anaya	174903	FBA	7-16-16
Waste Operator (print)	Signature	Z#	Initials	Date
Valerie Martinez	Valerie Martinez	123953	VOM	7/17/16
Waste Operator (print)	Signature	Z#	Initials	Date
Fabia Anaya	Fabia Anaya	174903	FBA	7-17-16
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date

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

9.1[2] Reviewed by:

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

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

NOTE Containers marked by an (*) are POC's.

		Monday 6.[4] Date & Start Time	Tuesday 6.[4] Date & Start Time	Wednesday 6.[4] Date & Start Time	Thursday 6.[4] Date & Start Time	Friday 6.[4] Date & Start Time	Saturday 6.[4] Date & Start Time	Sunday 6.[4] Date & Start Time
TA-54-0375 Cell 2						7/15/16/1307	7/16/16/1314	7/17/16/1313
Calibrated infrared thermometer (4.2.1[2][B])	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: <u>Flyke</u> Model: <u>561</u> Cal Due Date: <u>1-28-17</u> File Number: <u>104841</u>	Brand: <u>Flyke</u> Model: <u>5101</u> Cal Due Date: <u>1-28-17</u> File Number: <u>104841</u>	Brand: <u>Flyke</u> Model: <u>5101</u> Cal Due Date: <u>1-28-17</u> File Number: <u>104841</u>	Brand: <u>Flyke</u> Model: <u>5101</u> Cal Due Date: <u>1-28-17</u> File Number: <u>104841</u>
Ambient Temperature (6.5)	_____°F	_____°F	_____°F	_____°F	57.8°F	40.5°F	40.7°F	
(S) Temperature ≤ 75°F SR 4 ESS 5.1 (6.6)	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT
Container ID #	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
LASB02198 68408					56.0	57.9	57.6	
68638					57.6	59.9	60.7	
69615					60.2	62.6	63.8	
69635					59.7	60.7	62.4	
69642					60.5	63.2	64.2	
69630					59.3	61.4	62.7	
69633					58.4	61.1	60.4	
68430					59.3	62.1	62.2	
68631					56.5	58.4	58.0	
69634					55.9	56.6	56.9	
68567					55.6	58.0	58.1	
94227					56.8	58.2	58.4	
LASB50442 68648					57.5	60.3	60.5	
69644					58.7	59.7	60.3	
LASB50443 69183					59.2	60.5	61.4	
69638					58.9	60.7	61.5	

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Container ID #	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
TA-54-0375 Cell 2 (continued)							
68624					58.4	59.9	62.0
68507					59.3	61.1	62.4
69568					56.5	59.5	61.0
69553					56.0	58.2	58.7
69598					57.8	59.6	59.8
LASB50559	92472				55.3	59.3	62.5
	92459				53.7	56.8	56.0
69015					58.6	61.9	62.1
69639					58.7	60.4	61.5
69637					58.8	61.9	62.0
End Time (6.[14])					1311	1318	1316
6.[14]	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____	WO: <u>Von</u> WO: <u>IM</u>	WO: <u>Von</u> WO: <u>FA</u>	WO: <u>Von</u> WO: <u>FA</u>

Comments:

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6.1[18] Performed by:

Waste Operator (print)	Signature	Z#	Initials	Date
Valerie Martinez	<i>Valerie Martinez</i>	23958	VM	7/15/16
Waste Operator (print)	Signature	Z#	Initials	Date
Green Montoya	<i>Green Montoya</i>	1191526	GM	7-15-16
Waste Operator (print)	Signature	Z#	Initials	Date
Valerie Martinez	<i>Valerie Martinez</i>	23958	VM	7/14/16
Waste Operator (print)	Signature	Z#	Initials	Date
Fabian Anaya	<i>Fabian Anaya</i>	1174903	FA	7-16-16
Waste Operator (print)	Signature	Z#	Initials	Date
Valerie Martinez	<i>Valerie Martinez</i>	23958	VM	7/17/16
Waste Operator (print)	Signature	Z#	Initials	Date
Fabian Anaya	<i>Fabian Anaya</i>	1174903	FA	7-17-16
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date

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

9.1[2] Reviewed by:

SOM (print)	Signature	Z#	Initials	Date

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

NOTE Containers marked by an (*) are POCs.

	Monday 6.[4] Date & Start Time:	Tuesday 6.[4] Date & Start Time:	Wednesday 6.[4] Date & Start Time:	Thursday 6.[4] Date & Start Time:	Friday 6.[4] Date & Start Time:	Saturday 6.[4] Date & Start Time:	Sunday 6.[4] Date & Start Time:
TA-54-0375 Cell 3							
Calibrated infrared thermometer (4.2.1[2][B])	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: <u>Fluke</u> Model: <u>561</u> Cal. Due Date: <u>1.28.17</u> File Number: <u>104841</u>	Brand: <u>Fluke</u> Model: <u>511</u> Cal. Due Date: <u>1.28.17</u> File Number: <u>104841</u>	Brand: <u>Fluke</u> Model: <u>511</u> Cal. Due Date: <u>1.28.17</u> File Number: <u>104841</u>
Ambient Temperature (6.[5])	_____°F	_____°F	_____°F	_____°F	<u>102.7</u> °F	<u>105.6</u> °F	<u>106.5</u> °F
(S) Temperature ≤ 75°F SR 4.ESS.5.1 (6.[6])	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT
Container ID #	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
69519			<i>NA</i>		<u>100.4</u>	<u>104.0</u>	<u>106.3</u>
69645					<u>97.5</u>	<u>100.0</u>	<u>100.3</u>
94068					<u>99.2</u>	<u>102.7</u>	<u>103.2</u>
93605					<u>100.7</u>	<u>103.7</u>	<u>104.1</u>
69548					<u>101.2</u>	<u>104.1</u>	<u>104.5</u>
69604					<u>101.5</u>	<u>103.9</u>	<u>104.4</u>
LASB50529 68665					<u>99.9</u>	<u>102.1</u>	<u>102.8</u>
LASB50418 69595					<u>100.4</u>	<u>102.7</u>	<u>103.5</u>
69036					<u>101.0</u>	<u>104.1</u>	<u>106.3</u>
LASB50451 69361					<u>101.1</u>	<u>103.1</u>	<u>101.9</u>
69559				<u>101.0</u>	<u>104.2</u>	<u>104.6</u>	
LASB50448 69491				<u>101.4</u>	<u>103.9</u>	<u>104.9</u>	

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Container ID #	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
TA-54-0375 Cell 3 (continued)							
87827					122.6	124.3	125.4
87826					121.5	125.1	125.6
87823					122.1	125.6	125.6
87825					124.2	126.7	123.8
End Time (6.[14])					1312	1313	1312
6.[14]	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____	WO: <u>VON</u> WO: <u>UM</u>	WO: <u>VON</u> WO: <u>FA</u>	WO: <u>VON</u> WO: <u>IA</u>

Comments:

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6.1[18] Performed by:

Waste Operator (print)	Signature	Z#	Initials	Date
Valerie Martinez	Valerie Martinez	23958	VM	7/15/16
Waste Operator (print)	Signature	Z#	Initials	Date
Valerie Martinez	Valerie Martinez	23958	VM	7/16/16
Waste Operator (print)	Signature	Z#	Initials	Date
Fabian Avaya	Fabian Avaya	17492	FA	7-16-16
Waste Operator (print)	Signature	Z#	Initials	Date
Valerie Martinez	Valerie Martinez	23958	VM	7/17/16
Waste Operator (print)	Signature	Z#	Initials	Date
Fabian Avaya	Fabian Avaya	17492	FA	7-17-16
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date

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

9.1[2] Reviewed by:

SOM (print)	Signature	Z#	Initials	Date

TA-54 Area G Remediated Nitrate Salt Waste Contain. Monitoring

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ATTACHMENT 2

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WORKING COPY

Z# 231958

INITIAL Von DATE 7/18/16

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

NOTE SWB drum 69417 is no longer considered a RNS drum by LANL or NMED. Containers marked by an (*) are POCs

	Monday 6.[4] Date & Start Time: 7/18/16/1321	Tuesday 6.[4] Date & Start Time: 7/19/16/1333	Wednesday 6.[4] Date & Start Time:	Thursday 6.[4] Date & Start Time:	Friday 6.[4] Date & Start Time:	Saturday 6.[4] Date & Start Time:	Sunday 6.[4] Date & Start Time:
TA-54-0375 Cell 1							
Calibrated infrared thermometer (4.2.1[2](B))	Brand: <u>Floke</u> Model: <u>561</u> Cal. Due Date: <u>10.21.16</u> File Number: <u>101912</u>	Brand: <u>Floke</u> Model: <u>561</u> Cal. Due Date: <u>10.21.16</u> File Number: <u>101912</u>	Brand: _____ Model: _____ Cal. Due Date: _____ File Number: _____	Brand: _____ Model: _____ Cal. Due Date: _____ File Number: _____	Brand: _____ Model: _____ Cal. Due Date: _____ File Number: _____	Brand: _____ Model: _____ Cal. Due Date: _____ File Number: _____	Brand: _____ Model: _____ Cal. Due Date: _____ File Number: _____
Ambient Temperature (6.5))	<u>72.6</u> °F	<u>71.3</u> °F	_____ °F	_____ °F	_____ °F	_____ °F	_____ °F
(S) Temperature ≤ 75°F SR 4.ESS 5.1 (6.6))	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT
Container ID #	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
68685	<u>74.7</u>	<u>73.5</u>					
LA00000070503	68540	<u>71.0</u>	<u>70.9</u>				
	68553	<u>71.0</u>	<u>70.10</u>				
69445	<u>71.2</u>	<u>71.0</u>					
69618	<u>71.2</u>	<u>70.4</u>					
69013	<u>72.0</u>	<u>71.5</u>					
LASB50522	69076	<u>70.1</u>	<u>69.8</u>				
LASB50452	69490	<u>70.9</u>	<u>69.0</u>				
LASB50431	69280	<u>69.2</u>	<u>68.7</u>				
LASB50069	69208	<u>68.1</u>	<u>67.5</u>				
LASB50073	69079	<u>69.7</u>	<u>68.7</u>				
69636	<u>69.4</u>	<u>68.7</u>					

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Container ID #	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
TA-54-0375 Cell 1 (continued)							
69616	70.5	69.1					
69417	N/A	N/A	N/A	N/A	N/A	N/A	N/A
69620	70.5	69.8					
69520	70.1	68.7					
69641	69.5	68.8					
69298	69.7	68.3					
LASB02203 92669	67.6	65.5					
End Time (6.[14])	1320	1330					
6.[14]	WO: <u>YMN</u> WO: <u>LM</u>	WO: <u>YMN</u> WO: <u>LM</u>	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____

Comments:

UET

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6.1[8] Performed by:

Waste Operator (print)	Signature	Z#	Initials	Date
Valerie Martinez	<i>Valerie Martinez</i>	23958	VM	7/18/16
Waste Operator (print)	Signature	Z#	Initials	Date
Leon Montoya	<i>Leon Montoya</i>	19526	LM	7-18-16
Waste Operator (print)	Signature	Z#	Initials	Date
Valerie Martinez	<i>Valerie Martinez</i>	23958	VM	7/19/16
Waste Operator (print)	Signature	Z#	Initials	Date
Leon Montoya	<i>Leon Montoya</i>	19526	LM	7-19-16
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date

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

9.1[2] Reviewed by:

SOM (print)	Signature	Z#	Initials	Date
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WORKING COPY

Z# 239959

INITIAL von DATE 7/18/16

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

NOTE Containers marked by an (*) are POCs.

		Monday 6.[4] Date & Start Time: 7/18/16/1327	Tuesday 6.[4] Date & Start Time: 7/19/16/1329	Wednesday 6.[4] Date & Start Time:	Thursday 6.[4] Date & Start Time	Friday 6.[4] Date & Start Time	Saturday 6.[4] Date & Start Time	Sunday 6.[4] Date & Start Time
TA-54-0375 Cell 2								
Calibrated infrared thermometer (4.2.1[2][B])		Brand <u>FLUKE</u> Model <u>SL1</u> Cal Due Date <u>1.28.17</u> File Number <u>104841</u>	Brand <u>FLUKE</u> Model <u>SL1</u> Cal Due Date <u>1.28.17</u> File Number <u>104841</u>	Brand _____ Model _____ Cal Due Date _____ File Number _____	Brand _____ Model _____ Cal Due Date _____ File Number _____	Brand _____ Model _____ Cal Due Date _____ File Number _____	Brand _____ Model _____ Cal Due Date _____ File Number _____	Brand _____ Model _____ Cal Due Date _____ File Number _____
Ambient Temperature (6.[5])		<u>62.9</u> °F	<u>62.1</u> °F	_____ °F	_____ °F	_____ °F	_____ °F	_____ °F
(S) Temperature ≤ 75°F SR 4 ESS 5 1 (6 [6])		<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT
Container ID #		Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
LASB02198	68408	<u>59.4</u>	<u>57.7</u>					
	68638	<u>62.7</u>	<u>61.9</u>					
	69615	<u>64.6</u>	<u>63.6</u>					
	69635	<u>64.9</u>	<u>64.4</u>					
	69642	<u>65.5</u>	<u>65.5</u>					
	69630	<u>63.6</u>	<u>63.6</u>					
	69633	<u>62.8</u>	<u>63.5</u>					
	68430	<u>65.2</u>	<u>64.2</u>					
	68631	<u>58.3</u>	<u>60.7</u>					
	69634	<u>60.8</u>	<u>58.0</u>					
	68567	<u>58.9</u>	<u>58.9</u>					
	94227	<u>60.8</u>	<u>60.6</u>					
LASB50442	68648	<u>62.1</u>	<u>61.6</u>					
	69644	<u>63.2</u>	<u>62.9</u>					
LASB50443	69183	<u>63.2</u>	<u>62.8</u>					
	69638	<u>64.0</u>	<u>63.1</u>					

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Container ID #	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
TA-54-0375 Cell 2 (continued)							
68624	63.4	62.8					
68507	63.8	64.7					
69568	61.5	61.0					
69553	62.0	60.7					
69598	62.1	60.3					
LASB50559	92472	60.9	59.1				
	92459	59.7	57.4				
69015	64.8	63.8					
69639	63.8	63.8					
69637	63.8	63.0					
End Time (6.[14])	1331	1332					
6.[14]	WO: <u>YOM</u> WO: <u>LM</u>	WO: <u>YOM</u> WO: <u>LM</u>	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____

Comments:

UET

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6.1[8] Performed by:

Waste Operator (print)	Signature	Z#	Initials	Date
Valerie Martinez	<i>Valerie Martinez</i>	123958	rom	7/18/16
Waste Operator (print)	Signature	Z#	Initials	Date
Leon Montoya	<i>Leon Montoya</i>	191526	LM	7-18-16
Waste Operator (print)	Signature	Z#	Initials	Date
Valerie Martinez	<i>Valerie Martinez</i>	123958	rom	7/19/16
Waste Operator (print)	Signature	Z#	Initials	Date
Leon Montoya	<i>Leon Montoya</i>	191526	LM	7-19-16
Waste Operator (print)	Signature	Z#	Initials	Date
/	/	/	/	/
Waste Operator (print)	Signature	Z#	Initials	Date
/	/	/	/	/
Waste Operator (print)	Signature	Z#	Initials	Date
/	/	/	/	/
Waste Operator (print)	Signature	Z#	Initials	Date
/	/	/	/	/

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

9.1[2] Reviewed by:

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

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 Z# 239958
 INITIAL von DATE 7/18/16

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

NOTE Containers marked by an (*) are POCs.

	Monday 6.[4] Date & Start Time: 7/18/16 1332	Tuesday 6.[4] Date & Start Time: 7/19/16 1323	Wednesday 6.[4] Date & Start Time:	Thursday 6.[4] Date & Start Time:	Friday 6.[4] Date & Start Time:	Saturday 6.[4] Date & Start Time:	Sunday 6.[4] Date & Start Time:
TA-54-0375 Cell 3							
Calibrated infrared thermometer (4.2.1[2][B])	Brand <u>FLUKE</u> Model <u>5101</u> Cal Due Date: <u>1-28-17</u> File Number <u>104841</u>	Brand <u>FLUKE</u> Model <u>5101</u> Cal Due Date: <u>1-28-17</u> File Number <u>104841</u>	Brand _____ Model: _____ Cal Due Date: _____ File Number: _____	Brand _____ Model: _____ Cal Due Date: _____ File Number: _____	Brand _____ Model: _____ Cal Due Date: _____ File Number: _____	Brand _____ Model: _____ Cal Due Date: _____ File Number: _____	Brand _____ Model: _____ Cal Due Date: _____ File Number: _____
Ambient Temperature (6.5])	<u>68.0</u> °F	<u>67.0</u> °F	_____ °F	_____ °F	_____ °F	_____ °F	_____ °F
(S) Temperature ≤ 75°F SR 4.ESS.5.1 (6.6])	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input checked="" type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT	<input type="checkbox"/> SAT <input type="checkbox"/> UNSAT
Container ID #	Temp (°F) (6.8]/6.9]/6.10])	Temp (°F) (6.8]/6.9]/6.10])	Temp (°F) (6.8]/6.9]/6.10])	Temp (°F) (6.8]/6.9]/6.10])	Temp (°F) (6.8]/6.9]/6.10])	Temp (°F) (6.8]/6.9]/6.10])	Temp (°F) (6.8]/6.9]/6.10])
69519	<u>65.2</u>	<u>65.7</u>					
69645	<u>63.2</u>	<u>62.7</u>					
94068	<u>65.9</u>	<u>64.9</u>					
93605	<u>66.6</u>	<u>65.8</u>					
69548	<u>67.2</u>	<u>66.6</u>					
69604	<u>67.2</u>	<u>66.6</u>					
LASB50529 68665	<u>65.7</u>	<u>64.5</u>					
LASB50418 69595	<u>65.9</u>	<u>65.4</u>					
69036	<u>65.1</u>	<u>65.6</u>					
LASB50451 69361	<u>65.7</u>	<u>66.5</u>					
69559	<u>66.3</u>	<u>65.8</u>					
LASB50448 69491	<u>66.9</u>	<u>66.8</u>					

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Container ID #	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])	Temp (°F) (6.[8]/6.[9]/6.[10])
TA-54-0375 Cell 3 (continued)							
87827	69.4	68.6					
87826	68.8	68.3					
87823	70.2	69.8					
87825	69.7	69.4					
End Time (6.[14])	1335	1328					
6.[14]	WO: <u>VOM</u> WO: <u>LM</u>	WO: <u>VOM</u> WO: <u>LM</u>	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____	WO: _____ WO: _____

Comments:

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6.1[8] Performed by:

Waste Operator (print)	Signature	Z#	Initials	Date
Valerie Martinez	<i>Valerie Martinez</i>	39958	Von	7/18/16
Waste Operator (print)	Signature	Z#	Initials	Date
<i>Leon Montoya</i>	<i>Leon Montoya</i>	191526	LM	7/18/16
Waste Operator (print)	Signature	Z#	Initials	Date
Valerie Martinez	<i>Valerie Martinez</i>	39958	Von	7/19/16
Waste Operator (print)	Signature	Z#	Initials	Date
<i>Leon Montoya</i>	<i>Leon Montoya</i>	191526	LM	7/19/16
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date
Waste Operator (print)	Signature	Z#	Initials	Date

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

9.1[2] Reviewed by:

SOM (print)	Signature	Z#	Initials	Date