ENTERED

Allen, Pam, NMENV

From:	Maestas, Ricardo, NMENV
Sent:	Thursday, December 18, 2014 8:41 AM
To:	Allen, Pam, NMENV
Subject:	FW: WIPP Information - For Call Today
Attachments:	1300 Meeting Action Items 051414.xlsx; LANL Daily Report 5.14.14.docx; Station A and B Filter Readings for Public Release 5-14-14.xlsx; Environmental Sampling 2014-05-14 0800_bw.xlsx; 41-b-857 WHT dp Daily Averages_5-14-14.pdf; 41-b-856 WHT dp Daily Averages_5-14-14.pdf
Importance:	High

May

From: Kliphuis, Trais, NMENV
Sent: Thursday, May 15, 2014 2:51 PM
To: Flynn, Ryan, NMENV; Kendall, Jeff, NMENV
Cc: Winchester, Jim, NMENV; Tongate, Butch, NMENV; Schwender, Erika, NMENV; Blaine, Tom, NMENV; Skibitski, Thomas, NMENV; Kieling, John, NMENV; Holmes, Steve, NMENV; LucasKamat, Susan, NMENV; Turner, Jill, NMENV; Nelson, Morgan, NMENV; Ines Triay (triayin@fiu.edu); Maestas, Ricardo, NMENV; Smith, Coleman, NMENV
Subject: FW: WIPP Information - For Call Today
Importance: High

NMED Notes in Blue – Also note there are 8:30 AM call notes at end of this email. Thanks to Cole and Ricardo for all the help on this.

From: Oba Vincent
Sent: Thursday, May 15, 2014 11:08 AM
To: 'Kliphuis, Trais'; 'peake.tom@epa.gov'; 'Edwards, Jonathan'; 'Walsh, Jonathan'; 'Perrin, Alan'; 'Kehrman, Bob - RES'; 'Chavez, Rick - RES'; 'Stone.Nick@epa.gov'; 'coleman.smith@state.nm.us'; 'brozowski.george@epa.gov'; 'Fraass, Ron'; 'Hardy, Russell'; 'Veal.Lee@epamail.epa.gov'; 'Economy, Kathleen (Economy.Kathleen@epa.gov)'; 'Poppell, Sam W. (Poppell.Sam@epa.gov)'; 'Maestas, Ricardo, NMENV <Ricardo.Maestas@state.nm.us> (Ricardo.Maestas@state.nm.us)'; 'Faller, Scott H.'
Cc: George Basabilvazo - WIPPNet; 'Reynolds, Tammy - NWP'; 'Harris, Alton - DOE EM'; Susan McCauslin; 'Joe Harvill (jharvill@portageinc.com)'; 'Kennedy, Scott - NWP'; 'Jones, Stewart - RES'; 'Oates, Berta - CTAC'; 'schultheisz.daniel@epa.gov'; Philip Theisen - ORISE; Russ Patterson - WIPPNet; 'Kouba, Steve - WRES'; Roger Nelson - WIPPNet; 'Bignell, Dale - CTAC'; Susan McCauslin - WIPPNet; 'Pace, Berry'; Anthony Stone - WIPPNet; J.R. Stroble - WIPPNet
Subject: RE: WIPP Information - For Call Today

Attached are the action item list, environmental results, filter data, report on LA-Min02 waste activities and Station A/B data.

Below is a summary of activities: (Please note, activities and dates are subject to change. Please verify the most current dates of any information provided).

- Weekly MSHA inspections of the AIS & SS were completed on 5/14.

140560

- Activity 8: Additional Video Investigation: Plans are to get video further back in the stacks of waste in Panel 7 and also closer to the waste. Sampling will not be performed during this entry. Dry runs with the longer pole (about 15 ft) occurred on 5/14. The entry is happening now. They will FedEx the new video as soon as they can.
- Activity 10: The focus of this entry will be the continued investigation of the event and possible sample collection. This entry will be planned after evaluation of data from Activity 9. (No date set yet)
- Additional water sample analysis available....all results below MDC.
- Action Item 53 [will be provided in writing] Neutron Sources producing localized heat: Waste was divided into three categories

  1)Spontaneous fission reaction: Ca 252, Cu 244 (RH from ANL – not near event) Pu 238 – 4 order less then yield produced insignificant flux. (46,000 neutrons/second flux)

  2) Mixed sources – none like this in Panel 7

  3) Alpha N reactions high Am about half the flux of #1 above(~20,000 neutrons/second flux). Both fluxes are insignificant.
- Still tracking down discussion points on consideration for moving MIN02 waste at least 3ft apart. Will have more tomorrow.
- LANL Status: Still working through issues. Tori is looking at zipping videos so they don't have to FedEx. ICLN has a size limit.

Second and skid mounted supplemental HEPA system is going

<u>8:30am Call on 05/15/14</u>

- SRNL Update:
  - Lee Brown: A section of the filter from the fixed air sampler (FAS) from Room 7 is being analyzed today. SRS is using fluorescence, raman, and X-ray spectroscopy and scanning electron microscopy. The analytical data may be transmitted to CBFO today. SRS is shipping one section of the FAS filter to LANL, via FedEx today.
- LANL Update:
  - have set up a camera in building 412 to capture experiments that are taking place.
  - Sodium nitrate will also be tested, earlier experiments were conducted with potassium nitrate, no major difference expected.
  - Preparing for non-destructive assay (NDA) on two unremeditated nitrate salt drums. The NDA results will be compared to radiochemistry.
  - Preparing direct sampling event from remediated drums. The DNFSB has raised an Undetermined Safety Question (USQ) concerning the controls for this event.
  - Conference call yesterday with energetics experts.
  - Area of concern and focus is pretty much the same among all parties, rows 8-18, columns 3-5.
  - Questions on elevated levels of CO2 and burn on MgO.
  - Another call set for 1pm Friday, continue discussions after review of todays (05/15) entry.
  - Energy Solutions still working looking into the neutralization process that were completed on drums of waste in Panel 7. Should be complete soon.
  - AK review is ongoing.
  - WIPP Form committee has not met yet to discuss the suspension of S3000 waste from LANL.
  - LANL has submitted the HSG sampling summary, MgO reactions summary and pics of un-remediated drums, all to WIPP.
- WCS
  - No change, still doing daily visual and thermal inspections. No concerns.

WIPP RECOVERY 1:00 DAILY MEETING ACTION LIST
Revised 5/15/2014 am

	A	B	C	D	E	F
1	**Date Identified**	**Requestor**	**Action**	**Responsible Person**	**Due Date**	**Status**
5	03/18/14	Trais Kliphuis	Will receipt of waste at WCS be in compliance with the RCRA permit. For example chain-of-custody issues.	Farok	Discuss tbd. See action item below	Farok described in detail the process that is planned to be used. NMED wants to understand how the program will be audited prior to shipping to WIPP.
6	03/19/14	Trais Kliphuis	Prepare a letter and fact sheet to address NMED regarding controls at WCS to ensure security of containers and compliance with permit.	Farok	3/28/2014	Draft has been shared with NMED. NMED needs additional time to review and provide comments.
20	03/20/14	Trais Kliphuis	Responses to EIS questions asked by NMED will be placed in writing and provided to NMED by next week.	Chavez/Kehrman	4/30 in response to NMED's comment discussed on 4/23.	**Re-opened.** A response has been posted for NMED review. NMED discussed comments with Chavez & Kehrman on 4/23. Response combined with item #25.
25	03/31/14	Trais Kliphuis	Was the leak at the dampers a source of the release? If not, what was the source?	Rick Chavez	4/30 in response to NMED's comments discussed on 4/23.	A response has been posted for NMED review. NMED discussed comments with Chavez & Kehrman on 4/23. Response combined with item #20.
43	04/22/14	Nick Stone	What are the plans for the waste that is currently in storage in the Waste Handling Building?	Kennedy/Chavez	tbd	The existing NMED Administrative Order addresses this through May 17, 2014.
44	04/23/14	Nick Stone	Are there any plans to view or otherwise gather data from the waste face on the exhaust side of Panel 7, Room 7?	Kennedy	tbd	Plans are to take swipes (5/3) using a pole from the slider at the end of Room 6 (pending CBFO Nuclear Safety review); no physical entry will be made into exhaust side.

WIPP RECOVERY 1:00 DAILY MEETING ACTION LIST
Revised 5/15/2014 am

	A	B	C	D	E	F
53	5/5/2014 and 5/14/2014	Steve Holmes	Are there any neutron sources in waste containers that have been placed nearby potential neutron getters that could create a heat source in Panel 7, Room 7? **NMED wants sampling results; looking for specific isotopes.**	Stroble/Pearcy	tbd	**Re-opened** (@ NMED [Holmes] request). There is no identified potential for neutron sources to have interacted with other materials in Panel 7 to create a heat source.
54	5/5/2014 and 5/6/2014	Trais Kliphuis	What is the status of investigating the LANL nitrate salt waste stream? Requested a written summary of LANL activities.	Kennedy	5/12/2014	CCP participated in 5/6 call. CCP (Pearcy) will provide a copy of LANL summary reports to Oba for posting. Additional questions NMED were submitted on 5/8 to CBFO and NWP. Draft written response submitted 5/14.
55	5/6/2014 and 5/7/2014	Coleman Smith / Nick Stone	Provide "spec sheets" for organic and inorganic absorbents that are inside of the LANL nitrate salt waste stream. Provide any additional analysis performed by LANL, if available.	Stroble/Pete Maggiore/LANL Chemist tbd	tbd	Information on the organic-based (*Swheat Scoop)* kitty litter used has been posted on ICLN. LANL Sr. Manager Nan Sauer, discussed experiments with the Swheat kitty liter and various nitrate mixtures in 5/13 call.
56	5/7/2014 and 5/8/2014	Trais Kliphuis	What information is LANL hoping to find by collecting additional headspace gas samples on containers with the MIN02 waste stream? What test method is LANL using?	Pete Maggiore/LANL Chemist tbd	tbd	Additional NMED question, What is the objective/purpose of doing the analysis on headspace gas? LANL Sr. Manager Nan Sauer, discussed results of headspace gas sampling in 5/13 call. Draft written response submitted 5/14.

WIPP RECOVERY 1:00 DAILY MEETING ACTION LIST
Revised 5/15/2014 am

	A	B	C	D	E	F
57	05/07/14	Kathy Economy	Requested isotopic data from Station B samples.	Oba	5/14/2014	Raw data has provided 5/9. A written DAC to curie conversion is needed. Request will enable comparison of CAP88 and CEMRC data with DOE data. Response should be posted 5/14.
60	05/07/14	Coleman Smith	Requested a written response as to why MIN02 is a problem and the other three waste streams with the same AK documentation are not perceived as a problem.	Stroble	tbd	A response has been posted for NMED review. NMED will provide comments to CBFO. An additional question, ***What is in the MDH01 waste stream?*** A heterogeneous debris waste. Draft written response submitted 5/14.
63	05/08/14	Trais Kliphuis	What part does potential movement during transportation play in this reaction?	Stroble		DOE is re-evaluating.
65	05/08/14	Ricardo Maestas	Was the same kitty litter used in any other waste streams?	Stroble		Under investigation.
66	05/13/14	Trais Kliphuis	NMED would like copies of LANL tests and reports done with kitty liter and nitrates.	Vincent	when available	LANL is working on an information package.
67	05/13/14	Trais Kliphuis	NMED would like copies of LANL procedures used to evaluate reactions between kitty liter and nitrates.	Vincent	when available	LANL is working on an information package.
68	05/14/14	Coleman Smith	Explain the reasoning for separating MIN02 packages by 3 feet. Discussed at 0830, 5/14 call.	Stroble/Pearcy	tbd	

Station A, Before the Filtration System

Caution: Results may require intrepertation due to varying counting times and methods of analysis

Date	Date & Time Installed	Date & Time Removed	Filter ID	Alpha (dpm)	Beta (dpm)	Initial Count (date/time)	Alpha (dpm)	Beta (dpm)	Re-count (date/time)	Alpha (dpm)	Beta (dpm)	Final Count (date/time)
2/14/14	2/14/14 0742	2/15/14 0630	A230214140742	4.4M**	1.2M	021514/0649	boratory Analysis			8.2M*	<MDA	N/P
2/15/14	2/15/14 0630	2/15/14 0840	A230215140630	225K	46.8K	021514/0916	boratoryAnalysis			213K*	<MDA	N/P
2/15/14	2/15/14 0840	2/15/14 1510	A230215140840	285K	54K	021514/1541	ad Analysis in SRS Lab			N/A	N/A	N/P
2/15/14	2/15/14 1510	2/15/14 2330	A230215141510	124K	24481	021614/0012	ad Analysis in SRS Lab			N/A	N/A	N/P
2/15/14	2/15/14 2330	2/16/14 0850	A230215142330	47.3K	10558	021614/0917	unt Not Performed			46.3K	8749	030614/1555
2/16/14	2/16/14 0850	2/16/14 1648	A230216140850	12.3K	2842	021614/1927	unt Not Performed			12.2K	2306	030614/1555
2/16/14	2/16/14 1648	2/17/14 0015	A230216141650	4051	1256	021714/0046	unt Not Performed			3526	702	030614/1555
2/17/14	2/17/14 0015	2/17/14 0820	A230217140015	1802	638	021714/0942	1723	573	021714/1012	1660	325	030614/1555
2/17/14	2/17/14 0820	2/17/14 1620	A230217140820	1048	621	021714/1705	unt Not Performed			767	150	030614/1555
2/17/14	2/17/14 1620	2/18/14 0010	A230217141620	802	633	021814/0051	633	230	021814/1012	44	8	030614/1555
2/18/14	2/18/14 0010	2/18/14 0820	A230218140010	326	338	021814/0928	237	157	021814/1202	163	30	030614/1555
2/18/14	2/18/14 0820	2/18/14 1605	A230218140820	609	780	021814/1624	258	118	021914/0315	239	39	030614/1555
2/18/14	2/18/14 1605	2/19/14 0035	A230218141605	346	340	021914/0143	227	143	021914/0547	186	41	030614/1555
2/19/14	2/19/14 0035	2/19/14 0823	A230219140040	224	320	021914/0952	136	143	021914/1222	72	12	030914/1349
2/19/14	2/19/14 0823	2/19/14 1600	A230219140823	264	443	021914/1708	130	137	021914/2046	84	11	030914/1349

urate due to debris filter loading.

All counts performed on a Tennelec XLB for 10 minutes unless otherwise noted.

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2/19/14	2/19/14 1600	2/20/14 0018	A230219141600	286	378	022014/0124	150	119	022014/0352	93	12	030914/1350
2/20/14	2/20/14 0018	2/20/14 0817	A230220140018	290	219	022014/1010	216	146	022014/1256	165	25	030914/1357
2/20/14	2/20/14 0817	2/20/14 1624	A230220140817	135	131	022014/1838	107	85	022014/2204	70	12	030914/1357
2/20/14	2/20/14 1624	2/21/14 0012	A230220141624	231	103	022114/0154	203	84	022114/0505	173	26	030914/1357
2/21/14	2/21/14 0012	2/21/14 0845	A230221140012	330	146	022114/1027	286	105	022114/1532	250	39	030914/1357
2/21/14	2/21/14 0845	2/21/14 1620	A230221140845	253	199	022114/1654	175	86	022114/2000	158	22	030914/1358
2/21/14	2/21/14 1620	2/22/14 0050	A230221141620	388	549	022214/0124	215	154	022214/0400	168	24	030914/1358
2/22/14	2/22/14 0050	2/22/14 0830	A230222140050	421	599	022214/0906	180	154	022214/1150	107	16	030914/1517
2/22/14	2/22/14 0830	2/22/14 1615	A230222140830	243	337	022214/1713	140	166	022214/2004	67	12	030914/1518
2/22/14	2/22/14 1615	2/23/14 0011	A230222141650	487	626	022314/0047	208	129	022314/0401	160	26	030914/1518
2/23/14	2/23/14 0011	2/23/14 0830	A230223140011	328	504	022314/0906	162	167	022314/1222	94	14	030914/1547
2/23/14	2/23/14 0830	2/23/14 1615	A230223140830	225	340	022314/1644	int Not Performed			46	7	030914/1548
2/23/14	2/23/14 1615	2/24/14 0025	A230223141615	412	696	022414/0048	102	109	022414/0405	39	5	030914/1548
2/24/14	2/24/14 0025	2/24/14 0912	A230224140025	195	309	022414/1137	149	213	022414/1540	46	8	030914/1552
2/24/14	2/24/14 0912	2/24/14 1702	A230224140912	437	740	022414/1733	141	214	022414/2031	26	<MDA	030914/1552
2/24/14	2/24/14 1702	2/25/14 0005	A230224141702	429	796	022514/0029	91	138	022514/0355	26	7	030914/1553

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2/25/14	2/25/14 0005	2/25/14 0830	A230225140005	381	618	022514/0951	138	194	022514/1349	30	8	030914/1636
2/25/14	2/25/14 0830	2/25/14 1628	A120225140830	544	962	022514/1730	165	277	022514/2000	17	<MDA	030914/1636
2/25/14	2/25/14 1628	2/26/14 0025	A230225141628	647	1140	022614/0100	161	263	022614/0407	28	<MDA	030914/1636
2/26/14	2/26/14 0025	2/26/14 0845	A230226140025	307	487	022614/0958	158	225	022614/1354	32	<MDA	030914/1636
2/26/14	2/26/14 0845	2/26/14 1640	A230226140845	377	579	022614/1729	ınt Not Performed			35	6	030914/1637
2/26/14	2/26/14 1640	2/27/14 0015	A230226141640	458	826	022714/0052	114	172	022714/0408	25	14	030914/1637
2/27/14	2/27/14 0015	2/27/14 0903	A230227140015	685	1198	022714/0932	191	340	022714/1225	26	9	030914/2058
2/27/14	2/27/14 0903	2/27/14 1651	A230227140903	457	793	022714/1726	78	103	022814/0424	30	12	030914/2055
2/28/14	2/27/14 1651	2/28/14 0015	A230227141651	239	423	022812/0046	52	90	022814/0401	14	<MDA	030914/2053
2/28/14	2/28/14 0015	2/28/14 0835	A230228140015	81	136	022814/1032	49	81	022814/1417	11	<MDA	030914/2103
2/28/14	2/28/14 0835	02/28/14 1615	A230228140835	84	127	022814/1820	43	91	022814/2119	9	<MDA	030914/2107
3/1/14	2/28/14 1615	3/1/14 0104	A230228141615	133	208	030114/0235	60	89	030114/0527	16	7	030914/2213
3/1/14	3/1/14 0104	3/1/14 0855	A230301140104	224	440	030114/0956	73	116	030114/1257	9	8	030914/2210
3/1/14	3/1/14 0855	3/1/14 1656	A230301140855	186	354	030114/1756	69	94	030114/2109	18	<MDA	030914/2249
3/1/14	3/1/14 1656	3/2/14 0007	A230301141656	121	213	030214/0107	47	55	030214/0512	17	9	030914/2249
3/2/14	3/2/14 0007	3/2/14 0825	A230302140007	918	1638	030214/0836	122	218	030214/1155	15	<MDA	030914/2251

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3/2/14	3/2/14 0825	3/2/14 1650	A230302140825	563	973	030214/1732	155	311	030214/2124	13	7	030914/2251
3/2/14	3/2/14 1650	3/3/14 0106	A230302141650	359	621	030314/0158	150	258	030314/0537	25	7	030914/2254
3/3/14	3/3/14 0106	3/3/14 0817	A230303140106	264	468	030314/0915	118	201	030314/1217	19	7	030914/2255
3/3/14	3/3/14 0817	3/3/14 1630	A230303140817	380	699	030314/1704	97	172	030314/2103	19	8	030914/2256
3/3/14	3/3/14 1630	3/4/14 0034	A230303141630	191	340	030414/0207	93	147	030414/0543	25	7	030914/2258
3/4/14	3/4/14 0034	3/4/14 0817	A230304140034	479	757	030414/0900	135	199	030414/1130	18	<MDA	030914/2249
3/4/14	3/4/14 0817	3/4/14 1557	A230304140817	384	586	030414/1639	120	129	030414/1957	40	10	031014/0121
3/4/14	3/4/14 1557	3/5/14 0022	A230304141557	399	753	030514/0051	74	143	030514/0351	14	<MDA	031014/0117
3/5/14	3/5/14 0022	3/5/14 0835	A230305140022	674	1162	030514/0903	112	203	030514/1206	12	<MDA	031014/0118
3/5/14	3/5/14 0835	3/5/14 1605	A230305140835	203	344	030514/1622	130	184	030514/2007	51	7	031014/0119
3/5/14	3/5/14 1605	3/6/14 0040	A230305141605	341	599	030614/0109	118	168	030614/0403	45	13	031014/0120
3/6/14	3/6/14 0040	3/6/14 0820	A230306140040	117	174	030614/1238	70	116	030614/2011	40	10	031014/0121
3/6/14	3/6/14 0820	3/6/14 1554	A230306140820	151	244	030614/1725	55	85	030614/2349	19	5	031114/1135
3/6/14	3/6/14 1554	3/7/14 0015	A230306141554	467	894	030714/0039	97	171	030714/0401	12	<MDA	031114/1135
3/7/14	3/7/14 0015	3/7/14 1055	A230307140015	210	384	030714/1225	88	136	030714/2141	18	4	031114/1136
3/7/14	3/7/14 1055	3/7/14 1635	A230307141055	231	357	030714/1749	60	63	030814/0456	29	5	031114/1137

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3/7/14	3/7/14 1635	3/8/14 0029	A230307141635	257	311	030814/0152	141	146	030814/0348	78	16	031114/0016
3/8/14	3/8/14 0029	3/8/14 0805	A230308140029	207	289	030814/0955	88	106	030814/2140	39	13	031114/1138
3/8/14	3/8/4 0805	3/9/14 0020	A230308140805	222	378	030914/0051	89	127	030914/1022	23	<MDA	031214/0003
3/9/14	3/9/14 0020	3/9/14 0830	A230309140020	173	300	030914/0951	102	174	030914/1254	12	<MDA	031214/0746
3/9/14	3/9/14 0830	3/9/14 1615	A230309140830	120	226	030914/1744	65	93	031014/0232	16	<MDA	031214/1549
3/9/14	3/9/14 1615	3/10/14 0010	A230309141615	64	99	031014/0115	32	42	031014/1018	12	<MDA	031314/0000
3/10/14	3/10/14 0010	3/10/14 0835	A230310140010	138	276	031014/0954	42	79	031014/1729	10	<MDA	031314/0750
3/10/14	3/10/14 0835	3/10/14 1620	A230310140835	210	407	031014/1658	46	75	031114/1032	15	<MDA	031314/1531
3/10/14	3/10/14 1620	3/11/14 0030	A230310141620	224	380	031114/0120	65	84	031114/0753	20	<MDA	031414/0030
3/11/14	3/11/14 0030	3/11/14 0815	A230311140030	310	496	031114/0918	89	120	031114/1510	17	4.3	031414/1100
3/11/14	3/11/14 0815	3/11/14 1600	A230311140815	304	558	031114/1640	64	93	031214/0003	13	7	031414/1542
3/11/14	3/11/14 1600	3/12/14 0010	A230311141600	233	388	031214/0101	233	388	031214/0743	16	<MDA	031514/0743
3/12/14	3/11/14 0010	3/12/14 0820	A230312140010	129	213	031214/0906	49	73	031214/1547	19	<MDA	031514/0745
3/12/14	3/12/14 0820	3/12/14 1610	A230312140820	85	253	031214/1653	53	72	031314/0020	14	<MDA	031514/1623
3/12/14	3/12/14 1610	3/13/14 0020	A230312141610	124	221	031314/0116	44	82	031314/0750	8	<MDA	031614/0025
3/13/14	3/13/14 0020	3/13/14 0830	A230313140020	206	362	031314/0927	66	86	031314/1530	20	9	031614/0818

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Station A, Before the Filtration System

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Date	Date & Time Installed	Date & Time Removed	Filter ID	Alpha (dpm)	Beta (dpm)	Initial Count (date/time)	Alpha (dpm)	Beta (dpm)	Re-count (date/time)	Alpha (dpm)	Beta (dpm)	Final Count (date/time)
3/13/14	3/13/14 0830	3/13/14 1610	A230313140830	570	436	031314/1655	369	127	031414/0120	368	57	031614/1728
3/13/14	3/13/14 1610	3/14/14 0018	A230313141610	119	206	031414/0139	43	58	031414/1056	16	<MDA	031714/0018
3/14/14	3/14/14 0018	3/14/14 0900	A230314140018	279	518	031414/0941	72	113	031414/1533	12	<MDA	031714/0804
3/14/14	3/14/14 0900	3/14/14 1610	A230314140900	209	369	031414/1720	58	96	031514/0011	7	5	031714/1606
3/14/14	3/14/14 1610	3/15/14 0005	A230314141610	208	353	031514/0100	47	68	031514/0747	8	<MDA	031814/0013
3/15/14	3/15/14 0005	3/1/14 0815	A230315140005	172	290	031514/0953	70	104	031514/1624	12	8	031814/0803
3/15/14	3/15/14 0815	3/15/14 1610	A230315140900	210	327	031514/1706	56	80	031614/0130	19	<MDA	031814/1548
3/15/14	3/15/14 1610	3/16/14 0001	A230315141610	85	139	031614/0139	36	69	031614/0821	12	<MDA	031914/0000
3/16/14	3/16/14 0001	3/16/14 0812	A230316140001	144	224	031614/0900	45	56	031614/1603	10	<MDA	031914/0810
3/16/14	3/16/14 0812	3/16/14 1607	A230316140812	102	194	031614/1704	40	62	031714/0018	9	<MDA	031914/1600
3/16/14	3/16/14 1607	3/17/14 0002	A230316141607	106	187	031714/0103	33	51	031714/0811	11	<MDA	032014/0003
3/17/14	3/17/14 0002	3/17/14 0835	A230317140002	148	244	031714/0957	57	96	031714/1620	11	5	032014/0822
3/17/14	3/17/14 0835	3/17/14 1610	230317140835	127	204	031714/1741	48	78	031817/0011	10	<MDA	032014/1531
3/17/14	3/17/14 1610	3/18/14 0001	A230317141610	206	346	031714/0040	39	57	031814/0802	10	<MDA	032114/0004
3/18/14	3/18/14 0001	3/18/14 0840	A230318140001	176	227	031814/1014	117	104	031814/1550	49	12	032114/0759
3/18/14	3/18/14 0840	3/18/14 1604	A230318140840	210	332	031814/1653	56	74	031914/0030	11	<MDA	032114/1607

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3/18/14	3/18/14 1604	3/19/14 0015	A230318141604	147	241	031914/0044	40	51	031914/0804	15	<MDA	032214/0843
3/19/14	3/19/14 0015	3/19/14 0840	A2303191400015	83	121	031914/1016	52	62	031914/1600	20	5	032214/0810
3/19/14	3/19/14 0840	3/19/14 1628	A230319140840	71	119	031914/1628	34	49	032014/0007	8	<MDA	032214/1708
3/19/14	3/19/14 1628	3/19/2014 0005	A230319141628	187	325	032014/0042	38	68	032014/0822	9	<MDA	032314/2348
3/20/14	3/20/14 0005	3/20/14 0829	A230320140005	92	170	032014/1103	55	104	032014/1532	9	4	032314/0800
3/20/14	3/20/14 0829	3/20/14 1615	A230320140829	123	220	032014/1710	36	62	032114/0006	9	<MDA	032314/1600
3/20/14	3/20/14 1615	3/21/14 0005	A230320141615	206	358	032114/0044	41	69	032114/0758	9	<MDA	032314/2344
3/21/14	3/21/14 0005	3/21/14 0800	A230321140005	171	277	032114/0915	50	80	032114/1607	6	5	032414/0709
3/21/14	3/21/14 0800	3/21/14 1600	A230321140800	423	779	032114/1600	78	151	032214/0010	6	9	032414/1559
3/21/14	3/21/14 1600	3/22/14 0010	A230321141600	321	588	032214/0045	53	91	032214/0930	9	4.8	032414/2338
3/22/14	3/22/14 0010	3/22/14 0840	A230322140010	200	355	032214/0942	72	114	032214/1606	11	<MDA	032514/0822
3/22/14	3/22/14 0840	3/22/2014 1620	A230322140840	351	601	032214/1651	71	120	032214/2348	9	5	032514/1621
3/22/14	3/22/2014 1620	03/23/14 0015	A230322141620	374	715	032314/0015	25	37	032414/0000	6	6	032614/0000
3/23/14	03/23/14 0015	03/23/14 0830	A230323140015	403	632	032314/0830	120	157	032314/1600	37	11	032614/0815
3/23/14	3/23/14 0830	3/23/14 1629	A230323140830	513	911	032314/1645	86	140	032414/1558	15	4.2	032614/1554
3/23/14	3/23/14 1629	3/24/14 0015	A230323141629	380	668	032414/0119	53	84	032414/1319	7	4.2	032714/0000

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3/24/14	3/24/14 0015	3/24/14 0850	A230324140015	792	1357	032414/0900	116	154	032414/1555	25	7	032714/0810
3/24/14	3/24/14 0850	3/24/14 1625	A230324140850	276	497	032414/1715	65	119	032414/2337	9	8	032714/1604
3/24/14	3/24/14 1625	3/25/14 0015	A230324141625	373	666	032514/0033	67	83	032514/0819	23	5	032714/2345
3/25/14	3/25/14 0015	3/25/14 0806	A230325140015	291	524	032514/0846	67	127	032514/1619	7	<MDA	032814/0742
3/25/14	3/25/14 0806	3/25/14 1630	A230325140806	580	986	032514/1709	85	143	032614/0000	16	<MDA	032814/1531
3/25/14	3/25/14 1630	3/26/14 0025	A230325141630	85	143	032614/0042	77	123	032614/0812	13	<MDA	032914/0043
3/26/14	3/26/14 0025	3/26/14 0835	A230326140025	495	885	032614/0911	85	144	032614/1542	11	7	032914/0752
3/26/14	3/26/14 0835	3/26/14 1615	A230326140835	644	1122	032614/1637	83	132	032714/0000	15	<MDA	032914/1534
3/26/14	3/26/14 1615	3/27/14 0001	A230326141615	277	491	032714/0038	54	87	032714/0806	7	<MDA	033014/0004
3/27/14	3/27/14 0001	3/27/14 0800	A230327140001	241	401	032714/0815	83	138	032814/1601	9	<MDA	033014/0747
3/27/14	3/27/14 0800	3/27/14 1600	A230327140800	162	254	032714/1701	54	81	032814/0000	19	6	033014/1533
3/27/14	3/27/14 1600	3/28/14 0013	A230327141600	172	282	032814/0046	40	61	032814/0800	10	<MDA	033014/2359
3/28/14	3/28/14 0013	3/28/14 0830	A230328140013	299	499	032814/0900	100	69	032914/0752	21	<MDA	033114/0753
3/28/14	3/28/14 0830	3/28/14 1620	A230328140830	213	375	032814/1646	49	95	032914/0002	6	<MDA	033114/1546
3/28/14	3/28/14 1620	3/29/14 0000	A230328141620	161	168	032914/0118	100	69	032914/0752	79	14	033114/2351
3/29/14	3/29/14 0000	3/29/14 0855	A230329140000	369	695	032914/0924	56	103	032914/1534	9	<MDA	040114/0921

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3/29/14	3/29/14 0855	3/29/14 1615	A230329140855	335	606	032914/1646	58	113	033014/0000	3.7	<MDA	040114/1800
3/29/14	3/29/14 1615	3/30/14 0015	A230329141615	121	223	0323014/0102	38	59	033014/0800	4	<MDA	040114/2331
3/30/14	3/30/14 0015	3/30/14 0840	A230330140015	151	285	033014/1012	64	129	033014/1533	5	<MDA	040214/0904
3/30/14	3/30/14 0840	3/30/14 1615	A230330140840	365	654	033014/1652	68	110	033114/0000	9	<MDA	040214/1546
3/30/14	3/30/14 1615	3/31/14 0035	A230330141615	237	398	033114/0140	61	110	033114/0753	11	4.8	040314/0000
3/31/14	3/31/14 0035	3/31/14 0820	A230331140035	252	492	033114/0859	56	106	033114/1543	11	<MDA	040314/0801
3/31/14	3/31/14 0820	3/31/14 1620	A230331140820	320	593	033114/1639	50	108	033114/2349	5	<MDA	040314/1634
3/31/14	3/31/14 1620	4/1/14 0000	A230331141620	75	129	040114/0146	24	30	040114/0922	7	<MDA	040314/2343
4/1/14	4/1/14 0000	4/1/14 0800	A230401140000	81	144	040114/1024	42	70	040114/1612	6	4.8	040414/0821
4/1/14	4/1/14 0800	4/1/14 1600	A230401140800	256	416	040114/1646	51	90	040114/2351	10	5	040414/1614
4/1/14	4/1/14 1600	4/2/14 0020	A230401141600	303	493	040214/0042	53	64	040214/0800	14	5	040514/0000
4/2/14	4/2/14 0020	4/2/14 0840	A230402140020	356	602	040214/0927	59	100	040214/1546	9	<MDA	040514/0814
4/2/14	4/2/14 0840	4/2/14 1625	A230402140840	167	283	040314/1737	60	76	040314/1200	15	<MDA	040514/1620
4/2/14	4/2/14 1625	4/3/14 0030	A230402141625	289	512	040314/0058	38	65	040414/0748	<MDA	<MDA	040614/0009
4/3/14	4/3/14 0030	4/3/14 0840	A230403140030	320	571	040314/0912	32	57	040314/1609	<MDA	<MDA	040614/0749
4/3/14	4/3/14 0840	4/3/14 1630	A230403140840	204	369	040314/1650	39	57	040414/0124	9	6	040614/1553

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4/3/14	4/3/14 1630	4/4/14 0020	A230403141630	163	262	040414/0038	33	53	040414/0753	9	7	040714/0011
4/4/14	4/4/14 0020	4/4/14 0800	A230404140020	159	261	040414/0912	48	87	040414/1549	4.3	<MDA	040714/0736
4/4/14	4/4/14 0800	4/4/14 1600	A230404140800	208	329	040414/2354	67	95	040414/2354	23	8	040714/1544
4/4/14	4/4/14 1600	4/5/14 0010	A230405141600	208	350	040514/0059	54	69	040514/0814	13	4.4	040814/0020
4/5/14	4/5/14 0010	4/5/14 0815	A230405140010	144	246	040514/0954	64	111	040514/1619	14	<MDA	040814/0819
4/5/14	4/5/14 0815	4/5/14 1615	A230405140815	163	291	040514/1742	53	97	040614/0006	7	5	040814/1554
4/5/14/	4/5/14 1615	4/6/14 0002	A230405141615	359	645	040614/0028	44	101	040614/0747	9	6	040914/0006
4/6/14	4/6/14 0002	4/6/14 0813	A230406140002	342	595	040614/0932	73	147	040614/1600	6	<MDA	040914/0742
4/6/14	4/6/14 0813	4/6/14 1615	A230406140813	456	798	040614/1643	91	150	040714/0003	6.1	8.6	040914/1550
4/6/14	4/6/14 1615	4/7/14 0005	A230406141615	271	488	040714/0023	39	76	040714/0736	6.1	14	041014 0007
4/7/14	4/7/14 0005	4/7/14 0815	A230407140005	445	842	040714/0848	80	152	040714/1544	4.8	4.4	041014/0812
4/7/14	4/7/14 0815	4/7/14 1620	A230407140815	234	400	040714/1647	53	99	040814/0016	8	6.6	041014/1627
4/7/14	4/7/14 1620	4/8/14 0001	A230407141620	148	273	040814/0034	34	57	040814/0817	2.4	1.2	041114/0004
4/8/14	4/8/14 0001	4/8/14 0810	A230408140001	236	440	040814/0912	62	116	040814/1553	7.5	9.6	041114/0802
4/8/14	4/8/14 0810	4/9/14 1615	A230408140810	259	474	040814/1649	53	100	040914/0006	2.9	3.2	041114/1559
4/8/14	4/8/14 1615	4/9/14 0000	A230408141615	146	267	040914/0108	51	71	040914/0742	4.3	2.2	041114/2355

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4/9/14	4/9/14 0000	4/9/14 0825	A230409140000	292	513	040914/0901	58	113	040914/1549	2.4	2.8	041214/0746
4/9/14	4/9/14 0825	4/9/14 1605	A230409140825	252	467	040914/1641	50	93	041014/0002	11.8	4.6	041214/1551
4/9/14	4/9/14 1605	4/10/14 0005	A230409141605	201	333	041014/0058	32	57	041014/0811	5.1	1.6	041214/2343
4/10/14	4/10/14 0005	4/10/14 0825	A230410140005	394	690	041014/0900	64	107	041014/1625	7.7	4	041314/0740
4/10/14	4/10/14 0825	4/10/14 1600	A230410140825	206	329	041014/1647	45	74	041114/0001	4.8	<MDA	041314/1551
4/10/14	4/10/14 1600	4/11/14 0001	A130410141600	230	406	041114/0049	52	80	041114/0757	10.2	4	041314/2338
4/11/14	4/11/14 0001	4/11/2014 0805	A130411140001	176	266	041114/1009	86	122	041114/1603	24.3	8.2	041414/0825
4/11/14	4/11/14 0805	4/11/14 1600	A130411140805	241	385	041114/1732	60	91	041214/0550	11.5	3.2	041414/1618
4/11/14	4/11/14 1600	4/12/14 0020	A330411141600	314	597	041214/0050	40	79	041214/0746	2.4	2.2	041414/2344
4/12/14	4/12/14 0020	4/12/14 0755	A330412140020	290	496	041214/0900	67	120	041214/1553	3.7	3.2	041514/0800
4/12/14	4/12/14 0755	4/12/14 1545	A330412140755	302	523	041214/1630	65	91	041214/2343	11	5.2	041514/1552
4/12/14	4/12/14 1545	4/13/2014 0023	A330412141545	213	355	041314/0045	43	63	041314/0739	<MDA	<MDA	041514/2358
4/13/14	4/13/2014 0023	4/13/2014 0802	A330413140023	177	309	041314/0839	43	79	041314/1553	3.8	1.6	041514/0753
4/13/14	4/13/14 0802	04/13/14 1600	A330413140802	243	435	041314/1634	66	84	041314/2338	15	4.8	041614/1557
4/13/14	04/13/14 1600	4/14/14 0003	A330413141600	291	484	041414/0032	38	64	041414/0818	3.2	<MDA	041614/2355
4/14/14	4/14/14 0003	4/14/14 0810	A330414140003	91	163	041414/0934	48	90	041414/1613	4.8	<MDA	041614/0821

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4/14/14	4/14/14 0810	4/14/14 1615	A330414140810	88	168	041414/1730	39	68	041414/2344	<MDA	<MDA	041714/1621
4/14/14	4/14/14 1615	4/15/14 0000	A330414141615	136	232	041514/0050	41	70	041514/0800	<MDA	<MDA	041714/2345
4/15/14	4/15/14 0000	4/15/14 0810	A330414142355	198	333	041514/0916	68	106	041514/1600	5.6	<MDA	041814/0855
4/15/14	4/15/14 0810	4/15/14 1600	A330415140810	209	349	041514/1647	41	78	041514/2357	8	<MDA	041814/1552
4/15/14	4/15/14 1600	4/16/14 0001	A330415141600	217	360	041614/0020	36	68	041614/0753	<MDA	<MDA	41814/2354
4/16/14	4/16/14 0001	4/16/14 0820	A330416140001	167	309	041614/0944	47	97	041614/1559	7	<MDA	041914/0750
4/16/14	4/16/14 0820	4/16/14 1554	A330416140820	214	360	041614/1704	54	98	041614/2358	3.2	<MDA	041914/1558
4/16/14	4/16/14 1554	4/17/14 0000	A330416141554	372	678	041714/0029	47	77	041714/0816	5.1	<MDA	041914/2352
4/17/14	4/17/14 0000	4/17/14 0800	A330416140000	228	428	041714/0922	52	84	041714/1615	4.5	9.6	042014/0802
4/17/14	4/17/14 0800	4/17/14 1605	A330417140800	332	561	041714/1700	93	177	041714/2344	4	5.8	042014/1547
4/17/14	4/17/14 1605	4/18/14 0005	A330417141605	518	889	041814/0028	69	135	041814/0845	4.5	6.6	042014/2337
4/18/14	4/18/14 0005	4/18/14 0910	A330418140005	553	1010	041814/0941	107	213	041814/1600	5.9	6.8	042114/0802
4/18/14	4/18/14 0910	4/18/14 1610	A330418140910	647	1179	041814/1634	91	169	041814/2354	13.1	<MDA	042114/1556
4/18/14	4/18/14 1610	4/18/14 2345	A330418141610	268	468	041914/0040	71	128	041914/0749	15.2	1	042114/2349
4/19/14	4/18/14 2345	4/19/14 0820	A330418142345	503	831	418142345	93	148	041914/1559	13.4	4.6	042214/0811
4/19/14	4/19/14 0820	4/19/14 1620	A330419140820	754	1330	041914/1634	101	161	041914/2353	23	13.2	042214/1549

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Station A, Before the Filtration System

Caution: Results may require intrepertation due to varying counting times and methods of analysis

Date	Date & Time Installed	Date & Time Removed	Filter ID	Alpha (dpm)	Beta (dpm)	Initial Count (date/time)	Alpha (dpm)	Beta (dpm)	Re-count (date/time)	Alpha (dpm)	Beta (dpm)	Final Count (date/time)
4/19/14	4/19/14 1620	4/20/14 0010	A330419141620	456	759	042014/0036	92	126	042014/0753	38	7.2	042314/0010
4/20/14	4/20/14 0010	4/20/14 0820	A330420140010	272	1114	042014/0844	40	159	042014/1547	<MDA	<MDA	042314/0754
4/20/14	4/20/14 0820	4/20/14 1610	A330420140820	509	908	042014/1628	76	124	042014/2337	17	5.4	042314/1559
4/20/14	4/20/14 1610	4/21/14 0000	A330420141610	233	447	042114/0807	54	104	042114/0807	5.1	<MDA	042314/2351
4/21/14	4/21/14 0000	4/21/14 0830	A330421140000	581	1154	042114/0857	107	200	042114/1559	9.6	<MDA	042414/0814
4/21/14	4/21/14 0830	4/21/14 1600	A330421140830	326	582	042114/1649	92	171	042114/2349	<MDA	<MDA	042414/1635
4/21/14	4/21/14 1600	4/22/14 0010	A330421141600	316	588	042114/0035	51	101	042214/0811	3.7	3.8	042414/2351
4/22/14	4/22/14 0010	4/22/14 0840	A33042214/1025	205	387	042214/1025	97	195	042214/1552	2.4	3	042514/0754
4/22/14	4/22/14 0840	4/22/14 1605	A330422140840	631	1121	042214/1623	1.3	1.6	042314/0000	4.3	<MDA	042514/1557
4/22/14	4/22/14 1605	4/23/14 0000	A330422141605	349	629	042314/0046	64	125	042314/0754	3.7	5.2	042614/0005
4/23/14	4/23/14 0000	4/23/14 0835	A330423140000	392	673	042314/0927	101	197	042314/1559	7.7	10.2	042614/0803
4/23/14	4/23/14 0835	4/23/14 1605	A330423140835	361	653	042314/1554	77	142	042314/2352	4	6.6	042614/1605
4/23/14	4/23/14 1605	4/24/14 0010	A330423141605	408	752	042414/0026	50	108	042414/0807	4.8	<MDA	042714/0007
4/24/14	4/24/14 0010	4/24/14 0825	A330424140010	148	234	042414/1025	75	137	042414/1629	4.3	<MDA	042714/0738
4/24/14	4/24/14 0825	4/24/14 1650	A330424140825	62	207	042514/1715	30	83	042414/2345	<MDA	<MDA	042714/1553
4/24/14	4/24/14 1650	4/25/14 0000	A330424141650	305	537	042514/0027	45	76	042514/0753	<MDA	<MDA	042814/0018

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Date	Date & Time Installed	Date & Time Removed	Filter ID	Alpha (dpm)	Beta (dpm)	Initial Count (date/time)	Alpha (dpm)	Beta (dpm)	Re-count (date/time)	Alpha (dpm)	Beta (dpm)	Final Count (date/time)
4/25/14	4/25/14 0000	4/25/14 0910	A330425140000	415	745	042514/0941	86	149	042514/1557	<MDA	<MDA	042814/0812
4/25/14	4/25/14 0910	4/25/14 1700	A330425140910	456	856	042514/1711	64	124	042614/0005	<MDA	<MDA	042814/1623
4/25/14	4/25/14 1700	4/26/14 0010	A3304225141700	245	407	042614/0111	46	85	042614/0803	<MDA	<MDA	042914/0011
4/26/14	4/26/14 0010	4/26/14 0840	A330426140010	731	1247	042614/0908	87	157	042614/1605	4	<MDA	042914/0817
4/26/14	4/26/14 0840	4/26/14 1625	A330426140840	400	696	042614/1652	72	131	4/27/14 0001	3.5	4.8	042914/1621
4/26/14	4/26/14 1625	4/27/14 0000	A330426141625	114	185	042714/0107	29	53	042714/0800	2.4	<MDA	042914/2356
4/27/14	4/27/14 0000	4/27/14 0820	A330427140000	209	340	042714/0800	42	89	042714/1553	1.6	<MDA	043014/0818
4/27/14	4/27/14 0820	4/27/14 1620	A330427140800	214	347	042714/1651	30	51	042714/0017	2.4	<MDA	043014/1544
4/27/14	4/27/14 1620	4/28/14 0001	A330427141620	140	222	042814/0111	33	62	042814/0744	4	<MDA	043014/2350
4/28/14	4/28/14 0001	4/28/14 0855	A330428140001	468	897	042814/0929	85	148	042814/0804	1.1	<MDA	050114/0750
4/28/14	4/2814 0855	4/28/14 1640	A330428140855	326	604	042814/1700	56	100	042914/0005	<MDA	<MDA	050114/1553
4/28/14	4/28/14 1640	4/29/14 0000	A330428141640	135	246	042914/0117	43	75	042914/0750	<MDA	<MDA	050214/0008
4/29/14	4/29/14 0000	4/29/14 0855	A330429140000	277	538	042914/0913	53	99	042914/1554	2.4	<MDA	050214/0811
4/29/14	4/29/14 0855	4/29/14 1620	A330429140855	212	420	042914/1648	41	73	042914/2355	<MDA	<MDA	050214/1613
4/29/14	4/29/14 1620	4/30/14 0000	A330429141620	161	314	043014/0042	27	69	043014/0755	2.4	4.6	050314/0023
4/30/14	4/30/14 0000	4/30/14 0820	A330430140000	238	446	043014/0846	58	86	043014/1538	2.9	3.4	050314/0811

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Station A, Before the Filtration System

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Date	Date & Time Installed	Date & Time Removed	Filter ID	Alpha (dpm)	Beta (dpm)	Initial Count (date/time)	Alpha (dpm)	Beta (dpm)	Re-count (date/time)	Alpha (dpm)	Beta (dpm)	Final Count (date/time)
4/30/14	4/30/14 0820	4/30/14 1605	A330430140820	215	429	043014/1634	29	59	043014/2349	2.4	<MDA	050314/1610
4/30/14	4/30/14 1605	5/1/14 0020	A330430141605	215	444	050114/0048	42	76	050114/0750	6.1	<MDA	050414/0045
5/1/14	5/1/14 0020	5/1/14 0840	A330501140020	183	343	050114/0957	64	114	050114/1552	2.7	<MDA	050414/0818
5/1/14	5/1/14 0840	5/1/14 1625	A330501140840	276	511	050114/1659	48	89	050214/0008	<MDA	<MDA	050414/1608
5/1/14	5/1/14 1625	5/2/14 0040	A330501141625	295	589	050214/0059	48	76	050214/0810	2.9	<MDA	050414/2352
5/2/14	5/2/14 0040	5/2/14 0830	A330502140040	216	405	050214/0950	58	109	050214/1612	5.9	<MDA	050514/0728
5/2/14	5/2/14 0830	5/2/14 1603	A330502140830	196	347	050214/1712	56	106	050314/0024	5.1	<MDA	050514/1548
5/2/14	5/2/14 1603	5/3/14 0035	A330502141603	146	273	050314/0149	41	79	050314/0807	6.1	1.2	050614/0000
5/3/14	5/3/14 0035	5/3/14 0805	A330503140035	204	370	050314/0937	53	99	050314/1607	2.7	2	050614/0754
5/3/14	5/3/16 0805	5/3/14 1600	A330503140035	151	294	050314/1702	38	81	050414/0045	3.2	<MDA	050614/1600
5/3/14	5/3/14 1600	5/4/14 0000	A330503141600	106	174	050414/0123	33	55	050414/0818	3.2	<MDA	050714/0002
5/4/14	5/4/14 0000	5/4/14 0800	A330504140000	195	334	050414/0929	63	111	050414/1608	2.9	<MDA	050714/0914
5/4/14	5/4/14 0800	5/4/14 1600	A330504140800	255	451	050414/1651	51	113	050414/2345	2.7	<MDA	050701/1558
5/4/14	5/4/14 1600	5/5/14 0025	A330504141600	208	368	050514/0121	44	83	050514/0738	2.9	<MDA	050814/0013
5/5/14	5/5/14 0025	5/5/14 0810	A330505140025	275	494	050514/0923	71	127	050514/1548	8.28	8	050814/0807
5/5/14	5/5/14 0810	5/5/14 1615	A330505140810	394	685	050514/1653	68	122	050614/0006	3.5	<MDA	050814/1614

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Station A, Before the Filtration System

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Date	Date & Time Installed	Date & Time Removed	Filter ID	Alpha (dpm)	Beta (dpm)	Initial Count (date/time)	Alpha (dpm)	Beta (dpm)	Re-count (date/time)	Alpha (dpm)	Beta (dpm)	Final Count (date/time)
5/5/14	5/5/14 1615	5/6/14 0020	A330505141615	331	592	050614/0050	49	92	50614/0754	2.1	<MDA	050914/0005
5/6/14	5/6/14 0020	5/6/14 0805	A330506140020	318	573	506140903	65	123	050614/1600	3.7	4.6	050914/0805
5/6/14	5/6/14 0805	5/6/14 1615	A330506140805	406	721	050614/1650	58	101	050714/0014	1.3	3.2	050914/1545
5/6/14	5/6/14 1615	5/7/14 0015	A330506141615	200	345	050714/0101	34	67	050714/0914	2.6	2.9	050914/2339
5/7/14	5/7/14 0015	5/7/14 0820	A330507140015	228	414	050714/0914	45	106	050814/1558	2.4	3.2	051014/0822
5/7/14	5/7/14 0820	5/7/14 1610	A330507140820	371	712	050714/1633	42	88	050814/0013	5.3	12	051014/1622
5/7/14	5/7/14 1610	5/7/14 0000	A330507141610	158	275	050814/1304	40	76	050814/0807	6.4	3.6	051014/2338
5/8/14	5/8/14 0000	5/8/14 0900	A330508140000	346	558	050814/0943	66	123	050814/1607	1.9	3.2	051114/0839
5/8/14	5/8/14 0900	5/8/14 1613	A330508140900	208	382	050814/1652	36	65	050914/0002	1.3	2	051114/1552
5/8/14	5/8/14 1613	5/9/14 0008	A330508141613	152	273	050914/0104	38	65	050914/0810	4	9	051114/1147
5/9/14	5/9/14 0008	5/9/14 0810	A330509140008	184	298	050914/0940	69	118	050914/1545	1.9	3.4	051214/0804
5/9/14	5/9/14 0810	5/9/14 1600	A330509140810	289	524	050914/1637	62	108	050914/2321	3.2	<MDA	051214/1702
5/9/14	5/9/14 1600	5/10/14 0000	A330509141600	276	523	051014/0037	38	63	051014/0824	1.6	<MDA	051214/2341
5/10/14	5/10/14 0006	5/10/14 0840	A130510140006	611	1072	051014/0904	64	111	051014/1622	1.9	<MDA	051314/0813
5/10/14	5/10/14 0840	05/10/14 1605	A330510140840	252	480	051014/1659	50	97	051014/2350	2.9	<MDA	051314/1600
5/10/14	05/10/14 1605	5/11/14 0030	A330510141605	490	778	051114/0053	53	79	051114/0840	6.9	5.8	051314/2355

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Station A, Before the Filtration System

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Date	Date & Time Installed	Date & Time Removed	Filter ID	Alpha (dpm)	Beta (dpm)	Initial Count (date/time)	Alpha (dpm)	Beta (dpm)	Re-count (date/time)	Alpha (dpm)	Beta (dpm)	Final Count (date/time)
5/11/14	5/11/14 0030	5/11/14 0802	A330511140030	434	728	051114/0903	72	127	051114/1552	4.8	6	051414/0754
5/11/14	5/11/14 0802	05/11/14 1615	A330511140802	347	615	051114/1647	65	125	051114/1141			
5/11/14	5/11/14 1615	5/12/14 0025	A330511141615	246	410	5/12/14/0103	49	83	051114/0804			
5/12/14	5/12/14 0025	5/12/14 0800	A330512140025	163	264	051214/0910	42	78	051214/1701			
5/12/14	5/12/14 0800	5/12/14 1600	A330512140800	162	324	051214/2341	38	72	051214/2341			
5/12/14	5/12/14 1600	5/12/14 0000	A330512141600	314	576	051314/0023	42	77	051314/0813			
5/13/14	5/13/14 0000	5/13/14 0822	A330513140000	170	292	051314/0918	64	97	051314/1600			
5/13/14	5/13/14 0822	5/13/14 1600	A330513140822	176	337	051314/1643	43	88	051314/2357			
5/13/14	5/13/14 1600	5/14/14 0015	A330513141600	226	399	051414/0042	45	88	051414/0754			
5/14/14	5/14/14 0015	5/14/14 0805	A330514140015	345	627	051414/0846						

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Station B, After the Filtration System

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Date	Date Time Installed	Date Time Removed	Filter ID	Alpha (dpm)	Beta (dpm)	First Count (date/time)	Alpha (dpm)	Beta (dpm)	Re-count (date/time)	Alpha (dpm)	Beta (dpm)	Final Count (date/time)
2/14/14	2/14/14 0754	2/15/14 0835	B130214140754	28.2K	5877	021514/0850	Not Performed (Lab Analysis)			57K	<MDA	N/P
2/15/14	2/15/14 0835	2/15/14 1445	B130215140835	36.2K	7340	021514/1134	Not Performed (Lab Analysis)			Filter sent to SRS for Non-Rad Analysis		
2/15/14	2/15/14 1445	2/15/14 2305	B130215141445	671	142	021714/1056	Not Performed (Lab Analysis)			875*	N/A	N/P
2/15/14	2/15/14 2305	2/16/14 0904	B130215142305	300	152	021614/0932	253.0	63	021614/1127	258*	N/A	N/P
2/16/14	2/16/14 0904	2/16/14 1705	B130216140904	144	67	021614/1755	111.0	22	021714/1201	128*	N/A	N/P
2/16/14	2/16/14 1705	2/17/14 0030	B130216141705	72	54	021714/0046	62.0	18	021714/1203	53*	N/A	N/P
2/17/14	2/17/14 0030	2/17/14 0805	B130217140030	43	26	021714/0930	30.0	23	021714/0955	31*	N/A	N/P
2/17/14	2/17/14 0805	2/17/14 1600	B130217140805	78	35	021714/1650	58.0	20	021714/1958	52*	N/A	N/P
2/17/14	2/17/14 1600	2/18/14 0030	B130217141600	65	55	021814/0051	45.0	18	021814/0423	706*	N/A	N/P
2/18/14	2/18/14 0030	2/18/14 0901	B130218140030	42	61	021814/0928	23.0	12	021814/1202	27*	N/A	N/P
2/18/14	2/18/14 0901	2/18/14 1655	B130218140901	41	29	021814/1754	28.0	7	021914/0315	34*	N/A	N/P
2/18/14	2/18/14 1655	2/19/14 0105	B130218141655	42	36	021914/0144	20.0	7	021914/0547	19*	N/A	N/P
2/19/14	2/19/14 0105	2/19/14 0900	B130219140105	33	44	021914/0952	20.0	15	021914/1222	11	<MDA	030614/1730
2/19/14	2/19/14 0900	2/19/14 1627	B130219140900	36	34	021914/1708	25.0	10	021914/2036	23	<MDA	030614/1730

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Station B, After the Filtration System

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2/19/14	2/19/14 1627	2/20/14 0035	B130219141627	45	46	022014/0107	25.0	9	022014/0359	17	<MDA	030614/1730
2/20/14	2/20/14 0035	2/20/14 0852	B130220140035	52	21	022014/1035	38.0	14	022014/1226	42	8	030614/1730
2/20/14	2/20/14 0852	2/20/14 1654	B130220140852	98	22	022014/1838	101.0	23	022014/2211	95	17	030614/1730
2/20/14	2/20/14 1654	2/21/14 0038	B130220141654	40	19	022114/0204	33.0	11	022114/0521	34	9	030614/1730
2/21/14	2/21/14 0038	2/21/14 0820	B130221140038	30	6	022114/1027	27.0	12	022114/1532	25	5	030614/1757
2/21/14	2/21/14 0820	2/21/14 1600	B130221140820	37	15	022114/1654	41.0	12	022114/2028	33	5	030614/1730
2/21/14	2/21/14 1600	2/22/14 0019	B130221141600	50	28	022214/0125	42.0	14	022214/0358	37	12	030614/1730
2/22/14	2/22/14 0019	2/22/14 0810	B130222140019	30	22	022214/0946	19.0	12	022214/1151	13	<MDA	030614/1730
2/22/14	2/22/14 0810	2/22/14 1615	B130222140810	28	17	022214/1713	22.0	10	022214/2004	15	<MDA	030614/1730
2/22/14	2/22/14 1615	2/22/14 2356	B130222141615	32	33	022314/0047	22.0	9	022314/0404	11	<MDA	030614/1757
2/22/14	2/22/14 2356	2/23/14 0810	B130222142356	21	29	022314/0938	19.0	17	022314/1227	9	<MDA	030614/1811
2/23/14	2/23/14 0810	2/23/14 1605	B130223140810	7	22	022314/1642	17.0	7	022314/2010	14	<MDA	030614/1757
2/23/14	2/23/14 1605	2/24/14 0015	B130223141605	40	54	022414/0054	19.0	13	022414/0401	12	<MDA	030614/1811
2/24/14	2/24/14 0015	2/24/14 0846	B130224140015	14	19	022414/1136	14.0	14	022414/1540	9	<MDA	030614/1811

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Station B, After the Filtration System

Caution: results may require interpretation due to varying counting times and methods of analysis

Date	Date Time Installed	Date Time Removed	Filter ID	Alpha (dpm)	Beta (dpm)	First Count (date/time)	Alpha (dpm)	Beta (dpm)	Re-count (date/time)	Alpha (dpm)	Beta (dpm)	Final Count (date/time)
2/24/14	2/24/14 0846	2/24/14 1635	B130224140846	22	28	022414/1733	8.0	8	022414/2031	6	<MDA	030614/1811
2/24/14	2/24/14 1635	2/25/14 0016	B130224141635	45	72	022514/0029	8.0	12	022514/0404	6	<MDA	030614/1811
2/25/14	2/25/14 0016	2/25/14 0902	B130225140016	41	53	022514/1012	14.0	21	022514/1403	9	<MDA	030614/1840
2/25/14	2/25/14 0902	2/25/14 1652	B130225140902	39	59	022514/1742	12.0	7	022514/2000	5	<MDA	030614/1840
2/25/14	2/25/14 1652	2/26/14 0010	B130225141652	27	41	022614/0101	12.0	10	022614/0450	7	<MDA	030614/1840
2/26/14	2/26/14 0010	2/26/14 0921	B130226140010	26	21	022614/1051	23.0	16	022614/1423	19	<MDA	030614/1905
2/26/14	2/26/14 0921	2/26/2014 1616	B130226140921	22	25	022614/1727	Count Not Performed			6	<MDA	030614/1905
2/26/14	2/26/14 1616	2/27/14 0030	B130226141616	33	59	022714/0129	11.0	14	022714/0408	4	<MDA	030614/1825
2/27/14	2/27/14 0030	2/27/14 0806	B130227140030	22	37	022714/0929	7.0	22	022714/1153	1	<MDA	030614/1825
2/27/14	2/27/14 0806	2/28/14 0012	B130227140806	27	41	022814/0046	16.0	10	022814/0401	9	<MDA	030614/1825
2/28/14	02/28/14 0012	2/28/14 0927	B130228140012	14	20	022814 /1024	8.0	5	022814/1408	4	<MDA	030614/1825
2/28/14	2/28/14 0927	2/28/14 1705	B130228140927	6	7	022814 /1825	5.0	<MDA	022814/1919	5	<MDA	030614/1825
2/28/14	2/28/14 1705	3/1/14 0144	B130228141705	16	28	030114 /0235	6.0	5	030114 /0528	3	<MDA	030614/1825
3/1/14	3/1/14 0144	3/1/14 0915	B130301140144	21	35	030114/0957	6.0	8	030114/1257	2	<MDA	030614/1825

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Station B, After the Filtration System

Caution: results may require interpretation due to varying counting times and methods of analysis

Date	Date Time Installed	Date Time Removed	Filter ID	Alpha (dpm)	Beta (dpm)	First Count (date/time)	Alpha (dpm)	Beta (dpm)	Re-count (date/time)	Alpha (dpm)	Beta (dpm)	Final Count (date/time)
3/1/14	3/1/14 0915	3/1/14 1620	B130301140915	10	10	030114/1735	4.0	<MDA	030114/2110	4	<MDA	030614/1825
3/1/14	3/1/14 1620	3/2/14 0045	B130301141620	17	16	030214/0108	9.0	5	030214/0512	10	9	030614/1825
3/2/14	3/2/14 0045	3/2/14 0850	B130302140045	51	81	030214/0925	19.0	20	030214/1156	5	<MDA	030914/2323
3/2/14	3/2/14 0850	3/2/14 1630	B130302140850	51	37	030214/1723	34.0	18	030214/2122	38	7	030914/2326
3/2/14	3/2/14 1630	3/3/14 0106	B130302141630	17	28	030314/0152	7.0	13	030314/0559	3.14	<MDA	030914/2327
3/3/14	3/3/14 0106	3/3/14 0820	B130303140106	26	39	030314/0855	9.0	14	030314/1217	1.05	<MDA	030914/2327
3/3/14	3/3/14 0820	3/3/14 1620	B130303140820	19	48	030314/1704	2.0	6	030314/2103	44	6	030914/2328
3/3/14	3/3/14 1620	3/4/14 0114	B130303141620	22	33	030414/0208	5.0	8	030414/0543	1.31	<MDA	030914/2330
3/4/14	3/4/14 0114	3/4/14 0815	B130304140114	31	49	030414/0846	8.0	11	030414/1130	3.66	<MDA	031014/0238
3/4/14	3/4/14 0815	3/4/14 1610	B130304140815	18	26	030414/1639	4.0	<MDA	030414/1957	6.8	<MDA	030914/2330
3/4/14	3/4/14 1610	3/5/14 0005	B130304141610	21	34	030514/0051	5.0	5	030514/0351	2.61	<MDA	030914/2331
3/5/14	3/5/14 0005	3/5/14 0810	B130305140005	26	36	030514/0920	7.0	14	030514/1206	2.04	<MDA	030814/1332
3/5/14	3/5/14 0810	3/5/14 1608	B130305140810	86	49	030514/1649	6.0	8	030514/2007	**60	10	030814/1332

**After counting each filter quadrant separately it was determined that the filter was cross contaminated.

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Station B, After the Filtration System

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Date	Date Time Installed	Date Time Removed	Filter ID	Alpha (dpm)	Beta (dpm)	First Count (date/time)	Alpha (dpm)	Beta (dpm)	Re-count (date/time)	Alpha (dpm)	Beta (dpm)	Final Count (date/time)
3/5/14	3/5/14 1608	3/6/14 0015	B130305141608	16	29	030614/0109	7.0	9	030614/0403	3.07	<MDA	030814/2329
3/6/14	3/6/14 0015	3/6/14 0835	B130306140015	22	45	030614/0902	8.0	8	030614/1240	2.78	<MDA	030914/1016
3/6/14	3/6/14 0835	3/6/14 1620	B130306140835	18	27	030614/1725	1.0	<MDA	030614/2348	3.03	<MDA	031014/0223
3/6/14	3/6/14 1620	3/7/14 0001	B130306141620	18	35	030714/0039	2.0	5	030714/1255	<MDA	<MDA	031014/0104
3/7/14	3/7/14 0001	3/7/14 1140	B130307140001	24	41	030714/1226	7.0	6	030814/0141	4	<MDA	031014/0030
3/7/14	3/7/14 1140	3/7/14 1710	B130307141140	11	21	030714/1750	3.0	<MDA	030814/0157	4	<MDA	031014/1736
3/7/14	3/7/14 1710	3/8/14 0015	B130307141710	10	15	030814/0122	3.0	<MDA	030814/2331	4	<MDA	031114/0017
3/8/14	3/8/14 0015	3/8/14 0855	B130308140015	23	28	030814/0955	5.0	<MDA	030914/1017	4.34	<MDA	031114/1138
3/8/14	3/8/14 0855	3/8/14 1750	B130308140855	22	21	030814/1815	15.0	6	030814/2335	11	5.82	031114/1401
3/8/14	3/8/14 1750	3/9/14 0055	B130308141750	10	18	030914/0142	4.0	3	030914/1020	<MDA	<MDA	031214/0004
3/9/14	3/9/14 0055	3/9/14 0905	B130309140055	17	31	030914/0952	2.0	2	031014/0803	<MDA	<MDA	031214/0747
3/9/14	3/9/14 0905	3/9/14 1650	B130309140905	8	10	030914/1744	1.0	2	031014/0154	<MDA	<MDA	031214/1550
3/9/14	3/9/14 1650	3/10/14 0010	B130309141650	21	39	031014/0046	1.0	3	031014/0801	<MDA	<MDA	031314/0000
3/10/14	3/10/14 0010	3/10/14 0915	B130310140010	16	25	031014/1018	5.0	6	031014/1729	2.36	<MDA	031314/0751

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Station B, After the Filtration System

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3/10/14	3/10/14 0915	3/10/14 1640	B130310140915	10	19	031014/1658	3.0	2	031114/1032	<MDA	<MDA	031314/1558
3/10/14	3/10/14 1640	3/11/14 0050	B130310141640	26	45	031114/0132	4.0	5	031114/0753	3.07	<MDA	031314/2359
3/11/14	3/11/14 0050	3/11/14 0847	B130311140050	38	59	031114/0918	6.0	10	31114/1511	<MDA	<MDA	031414/1100
3/11/14	3/11/14 0847	3/11/14 1619	B130311140847	13	24	031114/1644	3.7	<MDA	031214/0003	<MDA	<MDA	031414/1559
3/11/14	3/11/14 1619	3/12/14 0030	B130311141619	75	26	031214/0102	70.0	10	031214/0743	61	12	031514/0739
3/12/14	3/12/14 0030	3/12/14 0845	B130312140030	26	20	031214/0925	18.0	8	031214/1545	14	<MDA	031514/0740
3/12/14	3/12/14 0845	3/12/14 1635	B130312140845	10	16	031214/1653	5.0	8	031314/0010	<MDA	<MDA	031514/1618
3/12/14	3/12/14 1635	3/13/14 0047	B130312141635	19	36	031314/0116	4.5	6	031314/0750	<MDA	<MDA	031514/2349
3/13/14	3/13/14 0047	3/13/14 0857	B130313140047	17	25	031314/0927	3.0	5	031314/1535	<MDA	<MDA	031614/0809
3/13/14	3/13/14 0857	3/13/14 1635	B130313140857	24	29	031314/1655	7.0	5	031414/0010	5	<MDA	031614/1659
3/13/14	3/13/14 1635	3/14/14 0050	B130313141635	20	30	031414/0139	3.0	2	031414/1103	<MDA	<MDA	031714/0022
3/14/14	3/14/14 0050	3/14/14 0820	B130314140050	15	20	031414/0940	5.0	7	031414/1533	<MDA	<MDA	031714/0803
3/14/14	3/14/14 0820	3/14/14 1655	B130314140820	11	23	031414/1809	4.5	5	031514/0011	2.8	<MDA	031714/1601
3/14/14	3/14/14 1655	3/15/14 0020	B130314141655	24	38	031514/0107	3.1	<MDA	031514/0742	2.7	<MDA	031814/0017

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3/15/14	3/15/14 0020	3/15/14 0850	B130315140020	32	63	031514/0932	5.0	13	031514/1617	2.4	<MDA	031814/0756
3/15/14	3/15/14 0850	3/15/14 1635	B130315140850	18	34	031514/1705	<MDA	<MDA	031514/2350	3.1	<MDA	031814/1559
3/15/14	3/15/14 1635	3/16/14 0030	B130315141635	19	18	031614/0139	13.0	<MDA	031614/0813	14	<MDA	031814/2358
3/16/14	3/16/14 0030	3/16/14 0835	B130316140030	19	32	031614/0903	4.1	<MDA	031614/1601	4.2	<MDA	031914/0810
3/16/14	3/16/14 0835	3/16/14 1628	B130316140835	10	18	031614/1705	4.0	<MDA	031714/0022	2.4	<MDA	031914/1604
3/16/14	3/16/14 1628	3/17/14 0030	B130316141628	17	22	031714/0103	6.0	14	031714/0809	<MDA	<MDA	031914/2357
3/17/14	3/17/14 0030	3/17/14 0930	B130317140030	22	33	031714/0957	7.0	7	031714/1605	<MDA	<MDA	032014/0816
3/17/14	3/17/14 0930	3/17/14 1648	B130317140930	14	18	031714/1742	3.0	<MDA	031814/0016	<MDA	<MDA	032014/1524
3/17/14	3/17/14 1648	3/18/14 0001	B130317141648	19	36	031814/0040	4.5	5	031814/0800	<MDA	<MDA	032114/0004
3/18/14	3/18/14 0001	3/18/14 0940	B130318140001	23	53	031814/1014	4.3	10	031814/1626	<MDA	<MDA	032114/0845
3/18/14	3/18/14 0940	3/18/14 1635	B130318140940	17	30	031814/1653	3.2	3.8	031814/2358	<MDA	<MDA	032114/1708
3/18/14	3/18/14 1635	3/19/14 0030	B130318141635	19	24	031914/0043	6.0	<MDA	031914/0804	9	<MDA	032214/0843
3/19/14	3/19/14 0030	3/19/14 0928	B130319140030	15	16	031914/1016	9.0	6	031914/1603	10	8	032214/0832
3/19/14	3/19/14 0928	3/19/14 1703	B130319140928	8	11	031914/1800	3.0	3	032014/0003	4.4	4.1	032214/1800

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3/19/14	3/19/14 1703	3/20/14 0015	B130319141703	29	60	032014/0039	5.0	8	032014/0816	<MDA	<MDA	032214/2346
3/20/14	3/20/14 0015	3/20/14 0910	B130320140015	8	16	032014/1102	5.0	7	032014/1525	<MDA	<MDA	032314/0755
3/20/14	3/20/14 0910	3/20/14 1643	B130320140910	15	66	302014/1701	5.0	6	032114/0006	<MDA	<MDA	032314/1600
3/20/14	3/20/14 1643	3/21/14 0020	B130320141643	33	56	032014/0041	4.7	7	032114/0831	<MDA	<MDA	032314/2343
3/21/14	3/21/14 0020	3/21/14 0815	B130321140020	42	74	032114/0848	5.0	9	032114/1606	<MDA	<MDA	032414/0828
3/21/14	3/21/14 0815	3/21/14 1608	B130321140815	26	43	032114/1630	5.0	9	032114/2341	<MDA	<MDA	032414/1555
3/21/14	3/21/14 1608	3/22/2014 0001	B130321141608	32	61	032214/0039	6.0	8	032214/0805	<MDA	<MDA	032414/2323
3/22/14	3/22/14 0001	3/22/14 0805	B130322140001	10	26	032214/0942	9.0	11	032214/1601	<MDA	<MDA	032514/0814
3/22/14	3/22/14 0805	3/22/14 1600	B130322140805	19	5	032214/1647	4.0	9	032214/2344	<MDA	<MDA	032514/1616
3/22/14	3/22/14 1600	3/23/14 0000	B130322141600	34	55	032314/0000	<MDA	<MDA	032314/2343	<MDA	<MDA	032614/0000
3/23/14	3/23/14 0000	3/23/14 0805	B130323140000	23	30	032314/0805	8.0	8	032314/1600	<MDA	<MDA	032614/0819
3/23/14	3/23/14 0805	3/23/14 1557	B130323140805	19	34	032314/1600	3.7	7	032414/0000	<MDA	<MDA	032614/1601
3/23/14	3/23/14 1557	3/24/14 0000	B130324141557	29	29	032414/0049	4.4	7	032414/1316	<MDA	<MDA	032714/0000
3/24/14	3/24/14 0000	3/24/14 0810	B130324140000	28	71	032414/0859	8.0	12	032414/1550	3.9	8	032714/0800

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3/24/14	3/24/14 0810	3/24/14 1600	A230324140810	13	39	032414/1713	3.9	10	032514/2338	<MDA	<MDA	032714/1608
3/24/14	3/24/14 1600	3/25/14 0000	B130324141600	34	65	032514/0811	5.0	10	032514/0811	<MDA	<MDA	032714/2345
3/25/14	3/25/14 0000	3/25/14 0825	B130325140000	48	84	032514/0846	8.0	13	032514/1608	<MDA	<MDA	032814/0744
3/25/14	3/25/14 0825	3/25/14 1612	B130325140825	29	45	032514/1707	5.0	11	032614/0000	<MDA	<MDA	032814/1532
3/26/14	3/25/14 1612	3/26/14 0007	B130325141612	11	21	032614/0048	4.0	6	032614/0816	<MDA	<MDA	032914/0011
3/26/14	3/26/14 0007	3/26/14 0810	B130326140007	20	47	032514/0911	7.0	14	032614/1558	<MDA	<MDA	032914/0743
3/26/14	3/26/14 0810	3/26/14 1600	B130326140810	21	29	032614/1637	3.9	4.5	032714/0000	<MDA	<MDA	032914/1534
3/26/14	3/26/14 1600	3/27/14 0020	B130326141600	43	79	032714/0037	2.6	5	032714/0759	<MDA	<MDA	033014/0053
3/27/14	3/27/14 0020	3/27/14 0825	B130327140020	19	30	032714/0909	<MDA	<MDA	032714/1600	<MDA	<MDA	033014/0751
3/27/14	3/27/14 0825	3/27/14 1010	B130327140825	13	25	032714/1030	2.4	<MDA	032714/1758	<MDA	<MDA	033014/0751
3/27/14	3/27/14 1010	3/27/14 1610	B130327141010	11	17	032714/1704	<MDA	<MDA	032814/0000	1.3	<MDA	033014/1529
3/27/14	3/27/14 1610	3/28/14 0001	B130327140001	9	14	032814/0044	<MDA	4.1	032814/0800	<MDA	<MDA	033114/0003
3/28/14	3/28/14 0001	3/28/14 0805	B130328140001	21	36	032814/0904	3.1	8	032814/1530	<MDA	<MDA	033114/0749
3/28/14	3/28/14 0805	3/28/14 1600	B130328140805	14	18	032814/1600	<MDA	6	032914/0009	<MDA	<MDA	033114/1544

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Station B, After the Filtration System

Caution: results may require interpretation due to varying counting times and methods of analysis

Date	Date Time Installed	Date Time Removed	Filter ID	Alpha (dpm)	Beta (dpm)	First Count (date/time)	Alpha (dpm)	Beta (dpm)	Re-count (date/time)	Alpha (dpm)	Beta (dpm)	Final Count (date/time)
3/28/14	3/28/14 1600	3/29/14 0020	B130328141600	16	20	032914/0107	3.7	5	032914/0743	<MDA	<MDA	033114/2346
3/29/14	3/29/14 0020	3/29/14 0815	B130329140020	20	42	032914/0927	4.4	14	032914/1534	<MDA	<MDA	040114/0920
3/29/14	3/29/14 0815	3/29/14 1600	B130329140815	15	23	032914/1636	2.8	3.5	032914/2359	<MDA	<MDA	040114/0921
3/29/14	3/29/14 1600	3/29/14 2345	B130329141600	15	28	033014/0101	3.4	5	033014/0800	<MDA	<MDA	040114/2351
3/29/14	3/29/14 2345	3/30/14 0810	B130329142345	7	14	033014/1011	5.0	10	033014/1600	<MDA	<MDA	040214/0806
3/30/14	3/30/14 0810	3/30/14 1603	B130330140810	14	22	033014/1651	3.4	8	033114/0001	1.8	<MDA	040201/1548
3/30/14	3/30/14 1603	3/31/14 0100	B130330141603	24	39	033114/0139	5.0	6	033114/0813	1.6	<MDA	040314/0000
3/31/14	3/31/14 0100	3/31/14 0800	B130331140100	22	38	033114/0859	3.9	9	033114/1541	<MDA	<MDA	040314/0800
3/31/14	3/31/14 0800	3/31/14 1600	B130331140800	11	17	033114/1638	<MDA	<MDA	033114/2343	<MDA	<MDA	040314/1624
3/31/14	3/31/14 1600	4/1/14 0020	B130331141600	8	16	040114/0146	<MDA	<MDA	040114/0921	<MDA	<MDA	040314/2343
4/1/14	4/1/14 0020	4/1/14 0825	B130401140020	11	16	040114/1023	3.1	<MDA	040114/1800	<MDA	<MDA	040414/0841
4/1/14	4/1/14 0825	4/1/14 1615	B130401140825	5	17	040114/1703	<MDA	<MDA	040114/2351	<MDA	<MDA	040414/1556
4/1/14	4/1/14 1615	4/2/14 0005	B130401141615	26	46	040214/0039	2.9	6	040114/0758	<MDA	<MDA	040414/2356
4/2/14	4/2/14 0005	4/2/14 0810	B130402140005	10	29	040214/0917	5.0	7	040214/1548	<MDA	<MDA	040514/0814

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Station B, After the Filtration System

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Date	Date Time Installed	Date Time Removed	Filter ID	Alpha (dpm)	Beta (dpm)	First Count (date/time)	Alpha (dpm)	Beta (dpm)	Re-count (date/time)	Alpha (dpm)	Beta (dpm)	Final Count (date/time)
4/2/14	4/2/14 0810	4/2/14 1600	B130402140810	13	22	040214/1646	<MDA	<MDA	040314/1200	2.4	<MDA	040514/1620
4/2/14	4/2/14 1600	4/3/14 0015	B130402141600	14	20	040314/0055	1.6	3.9	040314/0747	<MDA	<MDA	040614/0006
4/3/14	4/3/14 0015	4/3/14 0811	B130403140015	7	12	040314/0909	2.4	3.7	040314/1558	<MDA	<MDA	040614/0851
4/3/14	4/3/14 0811	4/3/14 1602	B130403140811	10	15	040314/1648	2.6	<MDA	040414/0123	<MDA	<MDA	040614/1653
4/3/14	4/3/14 1602	4/4/14 0005	B130403141602	20	31	040414/0037	2.6	<MDA	040414/0750	<MDA	<MDA	040714/0057
4/4/14	4/4/14 0005	4/4/14 0840	B130404140005	32	67	040414/0912	7.0	10	040414/1549	<MDA	<MDA	040714/0737
4/4/14	4/4/14 0840	4/4/14 1620	B130404140840	19	37	040414/1705	2.1	2.55	040414/2351	<MDA	<MDA	040714/1545
4/4/14	4/4/14 1620	4/5/14 0040	B130404141620	26	51	040514/0057	5.0	9	040514/0814	<MDA	<MDA	040814/0006
4/5/14	4/5/14 0040	4/5/14 0900	B130405140040	20	36	040514/0954	4.7	9	040514/1619	<MDA	<MDA	040814/0821
4/5/14	4/5/14 0900	4/5/14 1650	B130405140900	24	44	040514/1735	2.9	6	040614/0001	<MDA	<MDA	040814/1557
4/5/14	4/5/14 1650	4/6/14 0015	B130405141650	27	62	040614/0025	1.8	6	040614/0853	<MDA	<MDA	040914/0008
4/6/14	4/6/14 0015	4/6/14 0843	B130406140015	41	57	040614/0929	7.0	14	040614/1656	1.3	<MDA	040914/0744
4/6/14	4/6/14 0843	4/6/14 1627	B130406140843	19	28	040614/1644	2.1	<MDA	040714/0004	1.5	2.7	040914/1547
4/6/14	4/6/14 1627	4/7/14 0010	B130406141627	26	53	040714/0023	5.0	9	040714/0737	1.8	8	041014/0150

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Station B, After the Filtration System

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Date	Date Time Installed	Date Time Removed	Filter ID	Alpha (dpm)	Beta (dpm)	First Count (date/time)	Alpha (dpm)	Beta (dpm)	Re-count (date/time)	Alpha (dpm)	Beta (dpm)	Final Count (date/time)
4/7/14	4/7/14 0010	4/7/14 0800	B130407140010	30	55	040714/0850	4.2	12	040714/1545	2.6	3.1	041014/0217
4/7/14	4/7/14 0800	4/7/14 1610	B130407140800	11	23	040714/1645	2.1	3.8	040814/0001	2.4	2.1	041014/1631
4/7/14	4/7/14 1610	4/8/14 0015	B130407141610	28	50	040814/0031	3.7	8	040914/0830	1	<MDA	041114/0007
4/8/14	4/8/14 0015	4/8/14 0800	B130408140015	14	28	040814/0911	3.1	10	040814/1557	0.3	<MDA	041114/0758
4/8/14	4/8/14 0800	4/8/14 1600	B130408140800	13	23	040814/1647	3.1	3.9	040914/0008	1.3	<MDA	041114/1558
4/8/14	4/8/14 1600	4/9/14 0015	B130408141600	19	35	040914/0109	5.0	5	040914/0744	<MDA	<MDA	041114/2356
4/9/14	4/9/10 0015	4/9/14 0810	B130409140015	12	19	040914/0900	3.9	8	040914/1615	2.3	<MDA	041214/0745
4/9/14	4/9/14 0810	4/9/14 1625	B130409140810	24	39	040914/1639	3.9	7	041014/0003	<MDA	<MDA	041214/1546
4/9/14	4/9/14 1625	4/10/14 0020	B130409141625	29	46	041014/0057	3.1	6	041014/0816	<MDA	1.8	041214/2344
4/10/14	4/10/14 0020	4/10/14 0804	B130410140020	31	55	041014/0901	6.0	11	041014/1630	<MDA	1.6	041314/0743
4/10/14	4/10/14 0804	4/10/14 1545	B130410140804	13	18	041014/1648	4.4	5	041114/0000	<MDA	<MDA	041314/1552
4/10/14	4/10/14 1545	4/11/14 0020	B13041014545	40	65	041114/0049	5.0	3.9	041114/0754	<MDA	1.4	041314/2338
4/11/14	4/11/14 0020	4/11/14 0835	B130411140020	22	27	041114/1008	7.0	9	041114/1603	2.9	8.8	041414/0827
4/11/14	4/11/14 0835	4/11/14 1650	B130411140835	13	28	041114/1730	<MDA	7	041214/0549	<MDA	2.7	041414/1621

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Station B, After the Filtration System

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Date	Date Time Installed	Date Time Removed	Filter ID	Alpha (dpm)	Beta (dpm)	First Count (date/time)	Alpha (dpm)	Beta (dpm)	Re-count (date/time)	Alpha (dpm)	Beta (dpm)	Final Count (date/time)
4/11/14	4/11/14 1650	4/12/14 0000	B130411141650	18	37	041214/0050	4.2	9.6	041214/0753	1.3	<MDA	041414/2344
4/12/14	4/12/14 0000	4/12/14 0815	B130412140000	35	58	041214/0900	6.0	6.9	041214/1549	2.1	<MDA	041514/0800
4/12/14	4/12/14 0815	4/12/14 1600	B130412140815	14	28	041214/1629	1.6	4.1	041214/2343	<MDA	<MDA	041514/1554
4/12/14	4/12/14 1600	4/13/14 0000	B130412141600	8	15	041314/0042	2.4	1.9	041314/0742	<MDA	<MDA	041614/0002
4/13/14	4/13/14 0000	4/13/14 0817	B130413140000	27	59	041314/0839	3.9	5	041314/1554	<MDA	<MDA	041614/0752
4/13/14	4/13/14 0817	4/13/14 1617	B130413140817	27	56	041314/1634	1.6	3.1	041314/2338	<MDA	<MDA	041614/1555
4/13/14	4/13/14 1617	4/14/14 0000	B130413141617	22	3.9	041414/0031	2.6	5	041414/0820	<MDA	<MDA	041614/2351
4/14/14	4/14/14 0000	4/14/14 0845	B130414140000	14	19	041414/0939	7.0	7	041414/1615	3.9	<MDA	041714/0915
4/14/14	4/14/14 0845	4/14/14 1645	B130414140845	12	14	041414/1729	2.9	1.6	041414/2344	<MDA	<MDA	041714/1616
4/14/14	4/14/14 1645	4/15/14 0015	B130414141645	24	43	041514/0051	6.0	4.9	041514/0800	0.8	<MDA	041714/2350
4/15/14	4/15/14 0015	4/15/14 0830	B130415140015	21	36	041514/0916	6.0	6	041514/1600	3.4	<MDA	041814/0910
4/15/14	4/15/14 0830	4/16/14 1610	B130415140830	10	18	041514/1648	2.6	2.9	041614/0001	<MDA	<MDA	041814/1555
4/15/14	4/15/14 1610	4/16/14 0010	B130415141610	16	25	041614/0020	3.1	5.5	041614/0752	<MDA	<MDA	041814/2354
4/16/14	4/16/14 0010	4/16/14 0850	B130416140010	25	45	041614/0944	4.2	7.5	041614/1559	<MDA	<MDA	041914/0751

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4/16/14	4/16/14 0850	4/16/14 1612	B130416140850	14	21	041614/1703	3.9	2.7	041614/2355	2.6	<MDA	041914/1559
4/16/14	4/16/14 1612	4/17/14 0010	B130416141612	27	56	041714/0029	2.9	<MDA	041714/0907	2.6	7.3	041914/2352
4/17/14	4/17/14 0010	4/17/14 0815	B130417140010	17	30	041714/0849	4.7	6.7	041714/1612	<MDA	<MDA	042014/0805
4/17/14	4/17/14 0815	4/17/14 1620	B130417140815	13	17	041714/1708	3.4	6.5	041714/2348	<MDA	<MDA	042014/1548
4/17/14	4/17/14 1620	4/18/14 0020	B130417141620	39	83	041814/0027	4.4	8	041814/0845	<MDA	<MDA	042014/2338
4/18/14	4/18/14 0020	4/18/14 0840	B130418140020	21	45	041814/0947	4.4	6.4	041814/1600	<MDA	<MDA	042114/0759
4/18/14	4/18/14 0840	4/18/14 1554	B130418140840	27	40	041814/1634	3.1	2.2	041814/2355	<MDA	<MDA	042114/1553
4/18/14	4/18/14 1554	4/19/14 0005	B130418141554	26	30	041914/0038	14.0	5	041914/0752	10.7	<MDA	042114/2347
4/19/14	4/19/14 0005	4/19/14 0805	B130419140005	17	32	041914/0847	2.4	0	041914/1600	<MDA	<MDA	042214/0812
4/19/14	4/19/14 0805	4/19/14 1600	B130419140805	11	20	041914/1645	20.0	3.1	041914/2352	<MDA	<MDA	042214/1548
4/19/14	4/19/14 1600	4/20/14 0000	B130419141600	15	32	041914/0036	1.6	0.6	042014/0805	<MDA	<MDA	042314/0006
4/20/14	4/20/14 0000	4/20/14 0800	B130420140000	21	38	042014/0843	2.6	8.2	042014/1548	<MDA	<MDA	042314/0757
4/20/14	4/20/14 0800	4/20/14 1600	B130420140800	12	22	042014/1628	0.3	2.4	042014/2338	1.8	<MDA	042314/1559
4/20/14	4/20/14 1600	4/21/14 0015	B130420141600	48	82	042114/0032	3.9	8.4	042114/0803	<MDA	<MDA	042314/2352

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Date	Date Time Installed	Date Time Removed	Filter ID	Alpha (dpm)	Beta (dpm)	First Count (date/time)	Alpha (dpm)	Beta (dpm)	Re-count (date/time)	Alpha (dpm)	Beta (dpm)	Final Count (date/time)
4/21/14	4/21/14 0015	4/21/14 0805	B130421140015	36	69	042114/0856	5.0	14.1	042114/1557	<MDA	<MDA	042414/0817
4/21/14	4/21/14 0805	4/21/14 1620	B130421140805	12	29	042114/1649	2.6	4.5	042114/2348	<MDA	<MDA	042414/1630
4/21/14	4/21/14 1620	4/22/14 0000	B13042141620	18	40	042214/0033	1.6	4.1	042214/0812	2.1	<MDA	042414/2349
4/22/14	4/22/14 0000	4/22/14 0820	B130422140000	7	15	042214/1023	6.5	9.6	042214/1549	<MDA	<MDA	042514/0751
4/22/14	4/22/14 0820	4/23/14 1545	B130422140820	21	32	042214/1618	3.1	5.1	042314/0151	4.2	6.9	042514/1556
4/22/14	4/22/14 1545	4/23/14 0000	B130422141545	6.5	7.3	042314/0124	1.8	4.7	042314/0756	3.1	5.9	042614/0007
4/23/14	4/23/14 0000	4/23/14 0800	B130423140000	15	25	042314/0928	5.8	5.3	042314/1558	<MDA	<MDA	042614/0806
4/23/14	4/23/14 0800	4/23/14 1615	B130423140810	18	37	042314/1634	3.7	2.7	042314/2353	<MDA	<MDA	042614/1601
4/23/14	4/23/14 1615	4/24/14 0010	B130423141615	10	20	042414/0026	1.3	1.8	042414/0811	<MDA	<MDA	042714/0010
4/24/14	4/24/14 0010	4/24/14 0850	B130424140001	8.6	11	042414/1025	5.2	2.6	042414/1629	<MDA	<MDA	042714/0742
4/24/14	4/24/14 0850	4/24/14 1555	B130424140850	4.2	8	042414/1710	2.4	0.2	042414/2346	<MDA	<MDA	042714/1613
4/24/14	4/24/14 1555	4/25/14 0000	B130424141555	35	61	042514/0026	3.4	4.1	042514/0751	<MDA	<MDA	042814/0024
4/25/14	4/25/14 0000	4/25/14 0840	B130425140000	23	44	042514/0940	6.5	<MDA	042514/1556	<MDA	<MDA	042814/0815
4/25/14	4/25/14 0840	4/25/14 1630	B130425140840	15	29	042514/1712	4.4	4.9	042614/0007	<MDA	<MDA	042814/1626

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Date	Date Time Installed	Date Time Removed	Filter ID	Alpha (dpm)	Beta (dpm)	First Count (date/time)	Alpha (dpm)	Beta (dpm)	Re-count (date/time)	Alpha (dpm)	Beta (dpm)	Final Count (date/time)
4/25/14	4/25/14 1630	4/26/14 0030	B130425141630	17	35	042614/0110	2.6	1	042614/0805	<MDA	<MDA	042914/0013
4/26/14	4/26/14 0030	4/26/14 0805	B130426140030	25	42	042614/0906	2.9	10.4	042614/1605	<MDA	<MDA	042914/0818
4/26/14	4/26/14 0805	4/26/14 1610	B130426140805	9	13	042614/1652	2.6	0.2	042714/0005	<MDA	<MDA	042914/1622
4/26/14	4/26/14 1610	4/27/14 0010	B130426141610	5	14	042714/0107	1.1	<MDA	042714/0800	<MDA	<MDA	043014/0010
4/27/14	4/2714 0010	4/27/14 0807	B130427140010	9	10	042714/0900	0.8	1.2	042714/1612	<MDA	<MDA	043014/0757
4/27/14	4/27/14 0807	4/27/14 1600	B130427140807	10	15	042714/1649	1.1	1.6	042714/0024	<MDA	<MDA	043014/1540
4/27/14	4/27/14 1600	4/28/14 0020	B130427141600	7	16	042814/0111	4.2	7.1	042814/0745	<MDA	<MDA	043014/2350
4/28/14	4/28/14 0020	4/28/14 0825	B130428140020	22	48	042814/0923	4.4	5.3	042814/1557	<MDA	<MDA	050114/1550
4/28/14	4/28/14 0825	4/28/14 1600	B130428140825	11	16	042814/1708	1.8	<MDA	042914/0008	<MDA	<MDA	050114/1553
4/28/14	4/28/14 1600	4/29/14 0015	B130428141600	1.6	<MDA	042914/0117	0.5	<MDA	042914/0750	<MDA	<MDA	050214/0005
4/29/14	4/29/14 0015	4/29/14 0810	B130429140015	4	12	042914/0913	2.9	<MDA	042914/1554	<MDA	<MDA	050214/00815
4/29/14	4/29/14 0810	4/29/14 1600	B130429140810	9	11	042914/1648	1.6	<MDA	043014/0010	<MDA	<MDA	050214/1612
4/29/14	4/29/14 1600	4/30/14 0020	B130429141600	14	23	043014/0049	1.3	<MDA	043014/0752	1.8	<MDA	050214/0021
4/30/14	4/30/14 0020	4/30/14 0800	B130430140020	6	6	043014/0746	2.6	<MDA	043014/1538	0.8	<MDA	050314/0811

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dpm =Disintegrations Per Minute

N/A = Not Analyzed N/P = Not performed

Station B, After the Filtration System

Caution: results may require interpretation due to varying counting times and methods of analysis

Date	Date Time Installed	Date Time Removed	Filter ID	Alpha (dpm)	Beta (dpm)	First Count (date/time)	Alpha (dpm)	Beta (dpm)	Re-count (date/time)	Alpha (dpm)	Beta (dpm)	Final Count (date/time)
4/30/14	4/30/14 0800	4/30/14 1600	B130430140800	8	12	043014/1632	2.9	1.18	043014/2350	<MDA	<MDA	050214/1613
4/30/14	4/30/14 1600	5/1/2014 0005	B130430141600	9	21	050114/0047	1.3	2.6	050114/0750	<MDA	<MDA	050314/0115
5/1/14	5/1/14 0005	5/1/14 0815	B130501140005	9	15	050114/0956	3.1	5.5	050114/1552	<MDA	<MDA	050314/0811
5/1/14	5/1/14 0815	5/1/14 1554	B130501140815	5	8	050114/1657	<MDA	<MDA	050214/0005	<MDA	<MDA	050314/1612
5/1/14	5/1/14 1554	5/2/14 0022	B130501141554	49	94	050214/0058	8.1	2.4	050214/0815	3.9	<MDA	050414/2349
5/2/14	5/2/14 0022	5/2/14 0800	B130502140022	12	21	050214/0948	3.4	7.7	050214/1610	<MDA	<MDA	050514/0737
5/2/14	5/2/14 0800	5/2/14 1623	B130502140800	10	20	050214/1711	1.8	1.4	050314/0024	<MDA	<MDA	050514/1549
5/2/14	5/2/14 1623	5/3/14 0000	B130502141623	7	10	050314/0153	3.1	2.4	050314/0809	<MDA	<MDA	050514/2359
5/3/14	5/3/14 0000	5/3/14 0830	B130503140000	15	18	050314/0938	2.9	6.3	050314/1608	<MDA	<MDA	050614/0755
5/3/14	5/3/14 0830	5/3/14 1615	B130503140830	7	11	050314/1711	1.1	1.8	050414/0046	<MDA	<MDA	050614/1600
5/3/14	5/3/14 1615	5/4/14 0015	B130503141615	13	20	050414/0122	1.3	3.1	050414/0820	<MDA	<MDA	050714/0002
5/4/14	5/4/14 0015	5/4/14 0820	B130504140015	13	27	050414/0929	4.2	7.6	050414/1609	0.8	<MDA	050714/0915
5/4/14	5/4/14 0820	5/4/14 1620	B130504140820	12	22	050414/1651	1.1	2.9	050414/2352	<MDA	<MDA	050714/1554
5/4/14	5/4/14 1620	5/5/14 0000	B130504141620	13	18	050514/0104	1.1	6.9	050514/0737	<MDA	<MDA	050814/0013

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Station B, After the Filtration System

Caution: results may require interpretation due to varying counting times and methods of analysis

Date	Date Time Installed	Date Time Removed	Filter ID	Alpha (dpm)	Beta (dpm)	First Count (date/time)	Alpha (dpm)	Beta (dpm)	Re-count (date/time)	Alpha (dpm)	Beta (dpm)	Final Count (date/time)
5/5/14	5/5/14 0000	5/5/14 0845	B130505140000	19	31	050514/0943	2.1	5.5	050514/1549	2.4	<MDA	050814/0808
5/5/14	5/5/14 0845	5/5/14 1625	B130505140845	18	28	050514/1651	0.5	<MDA	050614/0006	<MDA	<MDA	050814/1613
5/5/14	5/5/14 1625	5/6/14 0000	B130505141625	16	30	050614/0049	2.1	1.2	050614/0755	1.1	1.8	050914/0006
5/6/14	5/6/14 0000	5/6/14 0830	B130506140000	27	41	050614/0903	2.9	1.8	050614/1600	<MDA	<MDA	050914/0805
5/6/14	5/6/14 0830	5/6/14 1600	B130506140830	7	12	050614/1649	1.6	3.7	050714/0044	<MDA	<MDA	050914/1542
5/6/14	5/6/14 1600	5/7/14 0001	B130506141600	7	18	050714/0100	2.1	0.8	050714/0914	1.1	<MDA	050914/2339
5/7/14	5/7/14 0001	5/7/14 0807	B130507140001	8	16	050714/0914	2.9	7.1	050714/1554	<MDA	3.1	051014/0819
5/7/14	5/7/14 0807	5/7/14 1600	B130507140807	8	17	050714/1633	0.0	4.3	050814/0012	<MDA	<MDA	051014/1622
5/7/14	5/7/14 1600	5/8/14 0020	B130507141600	5	9	050814/1305	3.1	2	050814/0808	<MDA	<MDA	051014/2250
5/8/14	5/8/14 0020	5/8/14 0840	B130508140020	12	18	050814/0942	3.1	3.3	050814/1606	<MDA	1.4	051114/0837
5/8/14	5/8/14 0840	5/8/14 1630	B130508140840	8.4	15	050814/1651	0.5	1.4	050914/0003	<MDA	2.4	051114/1559
5/8/14	5/8/14 1630	5/9/14 0030	B130508141630	7.6	18	050914/0104	2.1	21	050914/0810	1.3	2	051114/1147
5/9/14	5/9/14 0030	5/9/14 0840	B130509140030	11	21	050914/0940	5.8	5.7	050914/1543	1.6	3.3	051214/0802
5/9/14	5/9/14 0840	5/9/14 1615	B130509140840	14	25	050914/1635	2.4	1.8	050914/2321	1.3	<MDA	051214/1705

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Station B, After the Filtration System

Caution: results may require interpretation due to varying counting times and methods of analysis

Date	Date Time Installed	Date Time Removed	Filter ID	Alpha (dpm)	Beta (dpm)	First Count (date/time)	Alpha (dpm)	Beta (dpm)	Re-count (date/time)	Alpha (dpm)	Beta (dpm)	Final Count (date/time)
5/9/14	5/9/14 1615	5/10/14 0020	B130509141615	20	37	051014/0036	2.4	4.5	051014/0821	<MDA	<MDA	051214/2339
5/10/14	5/10/14 0020	5/10/14 0820	B130510140020	21	32	051014/0901	2.4	6	051014/1620	<MDA	<MDA	051314/0816
5/10/14	5/10/14 0820	05/10/14 1625	B130510140820	12	19	051014/1657	2.0	3	051014/2137	<MDA	<MDA	051314/1600
5/10/14	05/10/14 1625	5/11/14 0001	B130510141625	12	19	051114/0053	2.4	4.7	051114/0840	<MDA	<MDA	051314/2353
5/11/14	5/11/14 0001	5/11/14 0820	B130511140001	18	37	051114/0900	3.9	5.5	051114/1558	1.8	3.1	051414/0755
5/11/14	5/11/14 0820	5/11/14 1625	B130511140820	13	26	051114/1644	1.0	2.3	051114/1141			
5/11/14	5/11/14 1625	5/12/14 0000	B130511141625	89	12	051214/0102	1.3	2.7	051214/0802			
5/12/14	5/12/14 0000	5/12/14 0815	B130512140000	7	13	051214/0911	2.1	2.6	051214/1703			
5/12/14	5/12/14 0815	5/12/14 1615	B130512140815	7.6	15.9	051214/1646	1.3	1.4	051214/2339			
5/12/14	5/12/14 1615	5/13/14 0015	B130512141615	7.8	13.5	051314/0023	1.6	1.8	051314/0816			
5/13/14	5/13/14 0015	5/16/14 0804	B130513140015	4.4	8.6	051314/0917	2.4	5.1	051314/1600			
5/13/14	5/13/14 0804	5/13/14 1610	B130513140804	8.4	13.9	051314/1643	1.3	1.4	051314/2355			
5/13/14	5/13/14 1610	5/14/14 0000	B130513141610	6.8	13.3	051414/0041	2.9	4.1	051414/0754			
5/14/14	5/14/14 0000	5/14/14 0810	B130514140000	17.5	38	051414/0847						

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Environmental Monitoring & Hydrology Airborne Particulates Sampling

5/14/2014 - 08:00 AM

Location	Sample ID Number	Sample Date	ISOLO Spectrum Analyzer Gross α β Preliminary/ Final DPM	WIPP Labs Gross α DPM	WIPP Labs Radiochemistry Am-241 (dpm/sample)	WIPP Labs Radiochemistry Pu-238 (dpm/sample)	WIPP Labs Radiochemistry Pu-239/240 (dpm/sample)	Air Flow Volume (m^3)	WIPP Labs Radiochemistry Am-241 (Bq/m^3)	WIPP Labs Radiochemistry Pu-238 (Bq/m^3)	WIPP Labs Radiochemistry Pu-239/240 (Bq/m^3)
WIPP Far Field (WFF)*	AL-WFF-20140212-1.1	02/15/2014	36	---	**4.88E+01**	Below MDC	**3.67E+00**	51.44	**1.58E-02**	N/A	**1.19E-03**
WIPP Far Field (WFF)	AL-WFF-20140219-1.1	02/18/2014	2.4	---	**2.70E-01**	Below MDC	Below MDC	*242.65*	**1.85E-05**	N/A	N/A
WIPP East (WEE)*	AL-WEE-20140212-1.1	02/17/2014	7.29/4.4	---	**5.73E-01**	Below MDC	Below MDC	208.89	**4.57E-05**	N/A	N/A
WIPP South (WSS)*	AL-WSS-20140212-1.1	02/17/2014	7.47/3.7	---	**1.41E-01**	Below MDC	Below MDC	207.82	**1.13E-05**	N/A	N/A
Mills Ranch (MLR)*	AL-MLR-20140212-1.1	02/18/2014	2.7	---	Below MDC	Below MDC	Below MDC	269.12	N/A	N/A	N/A
Smith Ranch (SMR)*	AL-SMR-20140212-1.1	02/18/2014	4.2	---	**2.44E-01**	Below MDC	Below MDC	270.95	**1.50E-05**	N/A	N/A
Carlsbad (CBD)*	AL-CBD-20140212-1.1	02/18/2014	1.6	---	Below MDC	Below MDC	Below MDC	263.07	N/A	N/A	N/A
Southeast Control (SEC)*	AL-SEC-20140212-1.2	02/18/2014	1.3	---	Below MDC	Below MDC	Below MDC	266.42	N/A	N/A	N/A
Southeast Control (SEC) co-located sample*	AL-SEC-20140212-2.2	02/18/2014	1.5	---	Below MDC	Below MDC	Below MDC	271.13	N/A	N/A	N/A
WIPP Far Field (WFF)	AL-WFF-20140219-1.1	02/26/2014	---	1.89	Below MDC	Below MDC	Below MDC	653.09	N/A	N/A	N/A
WIPP East (WEE)	AL-WEE-20140219-1.1	02/26/2014	---	2.48	Below MDC	Below MDC	Below MDC	738.49	N/A	N/A	N/A
WIPP South (WSS)	AL-WSS-20140219-1.1	02/26/2014	---	2.23	Below MDC	Below MDC	Below MDC	730.49	N/A	N/A	N/A
Mills Ranch (MLR)	AL-MLR-20140219-1.1	02/26/2014	---	2.57	Below MDC	Below MDC	Below MDC	675.95	N/A	N/A	N/A
Carlsbad (CBD)	AL-CBD-20140219-1.1	02/26/2014	---	2.23	Below MDC	Below MDC	Below MDC	634.00	N/A	N/A	N/A
Smith Ranch (SMR)	AL-SMR-20140219-1.1	02/26/2014	---	1.12	Below MDC	Below MDC	Below MDC	663.97	N/A	N/A	N/A
Southeast Control (SEC)	AL-SEC-20140219-1.2	02/26/2014	---	2.66	Below MDC	Below MDC	Below MDC	675.60	N/A	N/A	N/A
Southeast Control (SEC) co-located sample	AL-SEC-20140219-2.2	02/26/2014	---	1.38	Below MDC	Below MDC	Below MDC	642.96	N/A	N/A	N/A
WIPP Far Field (WFF)	AL-WFF-20140226-1.1	03/04/2014	---	4.21	Below MDC	Below MDC	Below MDC	476.53	N/A	N/A	N/A
WIPP East (WEE)	AL-WEE-20140226-1.1	03/04/2014	---	4.90	Below MDC	Below MDC	Below MDC	478.96	N/A	N/A	N/A
WIPP South (WSS)	AL-WSS-20140226-1.1	03/04/2014	---	3.26	Below MDC	Below MDC	Below MDC	474.43	N/A	N/A	N/A
Mills Ranch (MLR)	AL-MLR-20140226-1.1	03/04/2014	---	5.50	Below MDC	Below MDC	Below MDC	476.20	N/A	N/A	N/A
Carlsbad (CBD)	AL-CBD-20140226-1.1	03/04/2014	---	7.13	Below MDC	Below MDC	Below MDC	470.20	N/A	N/A	N/A
Smith Ranch (SMR)	AL-SMR-20140226-1.1	03/04/2014	---	5.50	Below MDC	Below MDC	Below MDC	482.31	N/A	N/A	N/A
Southeast Control (SEC)	AL-SEC-20140226-1.2	03/04/2014	---	4.72	Below MDC	Below MDC	Below MDC	476.53	N/A	N/A	N/A
Southeast Control (SEC) co-located sample	AL-SEC-20140226-2.2	03/04/2014	---	6.70	Below MDC	Below MDC	Below MDC	481.39	N/A	N/A	N/A
WIPP Far Field (WFF)	AL-WFF-20140304-1.1	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	549.12	N/A	N/A	N/A
WIPP East (WEE)	AL-WEE-20140304-1.1	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	559.62	N/A	N/A	N/A
WIPP South (WSS)	AL-WSS-20140304-1.1	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	556.12	N/A	N/A	N/A
Mills Ranch (MLR)	AL-MLR-20140304-1.1	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	556.78	N/A	N/A	N/A
Carlsbad (CBD)	AL-CBD-20140304-1.1	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	543.88	N/A	N/A	N/A
Smith Ranch (SMR)	AL-SMR-20140304-1.1	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	561.30	N/A	N/A	N/A
Southeast Control (SEC)	AL-SEC-20140304-1.2	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	557.78	N/A	N/A	N/A

Environmental Monitoring & Hydrology Airborne Particulates Sampling

5/14/2014 - 08:00 AM

Location	Sample ID Number	Sample Date	ISOLO Spectrum Analyzer Gross α β Preliminary/ Final DPM	WIPP Labs Gross α DPM	WIPP Labs Radiochemistry Am-241 (dpm/sample)	WIPP Labs Radiochemistry Pu-238 (dpm/sample)	WIPP Labs Radiochemistry Pu-239/240 (dpm/sample)	Air Flow Volume (m^3)	WIPP Labs Radiochemistry Am-241 (Bq/m^3)	WIPP Labs Radiochemistry Pu-238 (Bq/m^3)	WIPP Labs Radiochemistry Pu-239/240 (Bq/m^3)
Southeast Control (SEC) co-located sample	AL-SEC-20140304-2.2	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	552.09	N/A	N/A	N/A
Meteorology Tower Building (MET)†	AL-MET-20140304-1.1	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	447.76	N/A	N/A	N/A
Salt Hoist (SLT)†	AL-SLT-20140304-1.1	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	535.87	N/A	N/A	N/A
Southeast of Training Building (STB)†	AL-STB-20140304-1.1	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	538.77	N/A	N/A	N/A
WIPP Far Field (WFF)	AL-WFF-20140311-1.1	03/18/2014	---	---	Below MDC	Below MDC	Below MDC	521.72	N/A	N/A	N/A
WIPP East (WEE)	AL-WEE-20140311-1.1	03/18/2014	---	---	Below MDC	Below MDC	Below MDC	583.39	N/A	N/A	N/A
WIPP South (WSS)	AL-WSS-20140311-1.1	03/18/2014	---	---	Below MDC	Below MDC	Below MDC	563.14	N/A	N/A	N/A
Mills Ranch (MLR)	AL-MLR-20140311-1.1	03/18/2014	---	---	Below MDC	Below MDC	Below MDC	557.45	N/A	N/A	N/A
Carlsbad (CBD)	AL-CBD-20140311-1.1	03/18/2014	---	---	Below MDC	Below MDC	Below MDC	581.65	N/A	N/A	N/A
Smith Ranch (SMR)	AL-SMR-20140311-1.1	03/18/2014	---	---	Below MDC	Below MDC	Below MDC	496.70	N/A	N/A	N/A
Southeast Control (SEC)	AL-SEC-20140311-1.2	03/18/2014	---	---	Below MDC	Below MDC	Below MDC	545.09	N/A	N/A	N/A
Southeast Control (SEC) co-located sample	AL-SEC-20140311-2.2	03/18/2014	---	---	Below MDC	Below MDC	Below MDC	522.38	N/A	N/A	N/A
Meteorology Tower Building (MET)†	AL-MET-20140311-1.1	03/18/2014	---	---	Below MDC	Below MDC	Below MDC	569.51	N/A	N/A	N/A
Salt Hoist (SLT)†	AL-SLT-20140311-1.1	03/18/2014	---	---	Below MDC	Below MDC	Below MDC	557.26	N/A	N/A	N/A
Southeast of Training Building (STB)†	AL-STB-20140311-1.1	03/18/2014	---	---	Below MDC	Below MDC	Below MDC	560.11	N/A	N/A	N/A
WIPP Far Field (WFF)	AL-WFF-20140318-1.1	03/25/2014	---	---	Below MDC	Below MDC	Below MDC	551.04	N/A	N/A	N/A
WIPP East (WEE)	AL-WEE-20140318-1.1	03/25/2014	---	---	Below MDC	Below MDC	Below MDC	583.62	N/A	N/A	N/A
WIPP South (WSS)	AL-WSS-20140318-1.1	03/25/2014	---	---	Below MDC	Below MDC	Below MDC	598.84	N/A	N/A	N/A
Mills Ranch (MLR)	AL-MLR-20140318-1.1	03/25/2014	---	---	Below MDC	Below MDC	Below MDC	595.58	N/A	N/A	N/A
Carlsbad (CBD)	AL-CBD-20140318-1.1	03/25/2014	---	---	Below MDC	Below MDC	Below MDC	580.38	N/A	N/A	N/A
Smith Ranch (SMR)	AL-SMR-20140318-1.1	03/25/2014	---	---	Below MDC	Below MDC	Below MDC	580.55	N/A	N/A	N/A
Southeast Control (SEC)	AL-SEC-20140318-1.2	03/25/2014	---	---	Below MDC	Below MDC	Below MDC	586.87	N/A	N/A	N/A
Southeast Control (SEC) co-located sample	AL-SEC-20140318-2.2	03/25/2014	---	---	Below MDC	Below MDC	Below MDC	563.63	N/A	N/A	N/A
Meteorology Tower Building (MET)†	AL-MET-20140318-1.1	03/25/2014	---	---	Below MDC	Below MDC	Below MDC	591.75	N/A	N/A	N/A
Salt Hoist (SLT)†	AL-SLT-20140318-1.1	03/25/2014	---	---	Below MDC	Below MDC	Below MDC	585.15	N/A	N/A	N/A
Southeast of Training Building (STB)†	AL-STB-20140318-1.1	03/25/2014	---	---	Below MDC	Below MDC	Below MDC	582.60	N/A	N/A	N/A
WIPP Far Field (WFF)	AL-WFF-20140325-1.2	04/01/2014	---	---	Below MDC	Below MDC	Below MDC	546.07	N/A	N/A	N/A
WIPP Far Field (WFF) co-located	AL-WFF-20140325-2.2	04/01/2014	---	---	Below MDC	Below MDC	Below MDC	554.61	N/A	N/A	N/A

Environmental Monitoring & Hydrology Airborne Particulates Sampling

5/14/2014 - 08:00 AM

Location	Sample ID Number	Sample Date	ISOLO Spectrum Analyzer Gross α β Preliminary/ Final DPM	WIPP Labs Gross α DPM	WIPP Labs Radiochemistry Am-241 (dpm/sample)	WIPP Labs Radiochemistry Pu-238 (dpm/sample)	WIPP Labs Radiochemistry Pu-239/240 (dpm/sample)	Air Flow Volume (m^3)	WIPP Labs Radiochemistry Am-241 (Bq/m^3)	WIPP Labs Radiochemistry Pu-238 (Bq/m^3)	WIPP Labs Radiochemistry Pu-239/240 (Bq/m^3)
WIPP East (WEE)	AL-WEE-20140325-1.1	04/01/2014	---	---	Below MDC	Below MDC	Below MDC	542.58	N/A	N/A	N/A
WIPP South (WSS)	AL-WSS-20140325-1.1	04/01/2014	---	---	Below MDC	Below MDC	Below MDC	518.92	N/A	N/A	N/A
Mills Ranch (MLR)	AL-MLR-20140325-1.1	04/01/2014	---	---	Below MDC	Below MDC	Below MDC	533.42	N/A	N/A	N/A
Carlsbad (CBD)	AL-CBD-20140325-1.1	04/01/2014	---	---	Below MDC	Below MDC	Below MDC	528.06	N/A	N/A	N/A
Smith Ranch (SMR)	AL-SMR-20140325-1.1	04/01/2014	---	---	Below MDC	Below MDC	Below MDC	507.26	N/A	N/A	N/A
Southeast Control (SEC)	AL-SEC-20140325-1.2	04/01/2014	---	---	Below MDC	Below MDC	Below MDC	536.26	N/A	N/A	N/A
Southeast Control (SEC) co-located sample	AL-SEC-20140325-2.2	04/01/2014	---	---	Below MDC	Below MDC	Below MDC	539.09	N/A	N/A	N/A
Meteorology Tower Building (MET)†	AL-MET-20140325-1.1	04/01/2014	---	---	Below MDC	Below MDC	Below MDC	545.42	N/A	N/A	N/A
Salt Hoist (SLT)†	AL-SLT-20140325-1.1	04/01/2014	---	---	Below MDC	Below MDC	Below MDC	533.10	N/A	N/A	N/A
Southeast of Training Building (STB)†	AL-STB-20140325-1.1	04/01/2014	---	---	Below MDC	Below MDC	Below MDC	556.78	N/A	N/A	N/A
Guard and Security Building (GSB)‡	AL-GSB-20140325-1.1	04/01/2014	---	---	Below MDC	Below MDC	Below MDC	531.54	N/A	N/A	N/A
WIPP Far Field (WFF)	AL-WFF-20140401-1.2	04/08/2014	---	---	Below MDC	Below MDC	Below MDC	562.46	N/A	N/A	N/A
WIPP Far Field (WFF) co-located	AL-WFF-20140401-2.2	04/08/2014	---	---	Below MDC	Below MDC	Below MDC	579.51	N/A	N/A	N/A
WIPP East (WEE)	AL-WEE-20140401-1.1	04/08/2014	---	---	Below MDC	Below MDC	Below MDC	580.20	N/A	N/A	N/A
WIPP South (WSS)	AL-WSS-20140401-1.1	04/08/2014	---	---	Below MDC	Below MDC	Below MDC	580.20	N/A	N/A	N/A
Mills Ranch (MLR)	AL-MLR-20140401-1.1	04/08/2014	---	---	Below MDC	Below MDC	Below MDC	574.86	N/A	N/A	N/A
Carlsbad (CBD)	AL-CBD-20140401-1.2	04/08/2014	---	---	Below MDC	Below MDC	Below MDC	581.57	N/A	N/A	N/A
Carlsbad (CBD) co-located sample	AL-CBD-20140401-2.2	04/08/2014	---	---	Below MDC	Below MDC	Below MDC	559.08	N/A	N/A	N/A
Smith Ranch (SMR)	AL-SMR-20140401-1.1	04/08/2014	---	---	Below MDC	Below MDC	Below MDC	577.01	N/A	N/A	N/A
Southeast Control (SEC)	AL-SEC-20140401-1.1	04/08/2014	---	---	Below MDC	Below MDC	Below MDC	583.39	N/A	N/A	N/A
Meteorology Tower Building (MET)†	AL-MET-20140401-1.1	04/08/2014	---	---	Below MDC	Below MDC	Below MDC	577.01	N/A	N/A	N/A
Salt Hoist (SLT)†	AL-SLT-20140401-1.1	04/08/2014	---	---	Below MDC	Below MDC	Below MDC	575.98	N/A	N/A	N/A
Southeast of Training Building (STB)†	AL-STB-20140401-1.1	04/08/2014	---	---	Below MDC	Below MDC	Below MDC	586.62	N/A	N/A	N/A
Guard and Security Building (GSB)‡	AL-GSB-20140401-1.1	04/08/2014	---	---	Below MDC	Below MDC	Below MDC	584.84	N/A	N/A	N/A
WIPP Far Field (WFF)	AL-WFF-20140408-1.2	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	571.20	N/A	N/A	N/A
WIPP Far Field (WFF) co-located	AL-WFF-20140408-2.2	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	574.06	N/A	N/A	N/A
WIPP East (WEE)	AL-WEE-20140408-1.1	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	568.60	N/A	N/A	N/A
WIPP South (WSS)	AL-WSS-20140408-1.1	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	570.74	N/A	N/A	N/A

Environmental Monitoring & Hydrology Airborne Particulates Sampling

5/14/2014 - 08:00 AM

Location	Sample ID Number	Sample Date	ISOLO Spectrum Analyzer Gross α β Preliminary/ Final DPM	WIPP Labs Gross α DPM	WIPP Labs Radiochemistry Am-241 (dpm/sample)	WIPP Labs Radiochemistry Pu-238 (dpm/sample)	WIPP Labs Radiochemistry Pu-239/240 (dpm/sample)	Air Flow Volume (m^3)	WIPP Labs Radiochemistry Am-241 (Bq/m^3)	WIPP Labs Radiochemistry Pu-238 (Bq/m^3)	WIPP Labs Radiochemistry Pu-239/240 (Bq/m^3)
Mills Ranch (MLR)	AL-MLR-20140408-1.1	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	555.62	N/A	N/A	N/A
Carlsbad (CBD)	AL-CBD-20140408-1.2	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	562.71	N/A	N/A	N/A
Carlsbad (CBD) co-located sample	AL-CBD-20140408-2.2	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	558.63	N/A	N/A	N/A
Smith Ranch (SMR)	AL-SMR-20140408-1.1	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	569.36	N/A	N/A	N/A
Southeast Control (SEC)	AL-SEC-20140408-1.1	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	575.62	N/A	N/A	N/A
Meteorology Tower Building (MET)†	AL-MET-20140408-1.1	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	546.29	N/A	N/A	N/A
Salt Hoist (SLT)†	AL-SLT-20140408-1.1	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	573.83	N/A	N/A	N/A
Southeast of Training Building (STB)†	AL-STB-20140408-1.1	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	555.78	N/A	N/A	N/A
Guard and Security Building (GSB)‡	AL-GSB-20140408-1.1	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	574.94	N/A	N/A	N/A
Artesia (ART)§	AL-ART-20140410-1.1	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	397.41	N/A	N/A	N/A
Eunice (EUN)§	AL-EUN-20140410-1.1	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	406.71	N/A	N/A	N/A
Hobbs (HBS)§	AL-HBS-20140410-1.1	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	403.69	N/A	N/A	N/A
Loving (LVG)§	AL-LVG-20140410-1.1	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	426.89	N/A	N/A	N/A
WIPP Far Field (WFF)	AL-WFF-20140415-1.2	04/22/2014	---	---	Below MDC	Below MDC	Below MDC	551.76	N/A	N/A	N/A
WIPP Far Field (WFF) co-located	AL-WFF-20140415-2.2	04/22/2014	---	---	Below MDC	Below MDC	Below MDC	555.76	N/A	N/A	N/A
WIPP East (WEE)	AL-WEE-20140415-1.1	04/22/2014	---	---	Below MDC	Below MDC	Below MDC	557.36	N/A	N/A	N/A
WIPP South (WSS)	AL-WSS-20140415-1.1	04/22/2014	---	---	Below MDC	Below MDC	Below MDC	543.32	N/A	N/A	N/A
Mills Ranch (MLR)	AL-MLR-20140415-1.1	04/22/2014	---	---	Below MDC	Below MDC	Below MDC	544.58	N/A	N/A	N/A
Carlsbad (CBD)	AL-CBD-20140415-1.2	04/22/2014	---	---	Below MDC	Below MDC	Below MDC	539.80	N/A	N/A	N/A
Carlsbad (CBD) co-located sample	AL-CBD-20140415-2.2	04/22/2014	---	---	Below MDC	Below MDC	Below MDC	551.16	N/A	N/A	N/A
Smith Ranch (SMR)	AL-SMR-20140415-1.1	04/22/2014	---	---	Below MDC	Below MDC	Below MDC	544.84	N/A	N/A	N/A
Southeast Control (SEC)	AL-SEC-20140415-1.1	04/22/2014	---	---	Below MDC	Below MDC	Below MDC	554.07	N/A	N/A	N/A
Meteorology Tower Building (MET)†	AL-MET-20140415-1.1	04/22/2014	---	---	Below MDC	Below MDC	Below MDC	553.51	N/A	N/A	N/A
Salt Hoist (SLT)†	AL-SLT-20140415-1.1	04/22/2014	---	---	Below MDC	Below MDC	Below MDC	565.83	N/A	N/A	N/A
Southeast of Training Building (STB)†	AL-STB-20140415-1.1	04/22/2014	---	---	Below MDC	Below MDC	Below MDC	562.97	N/A	N/A	N/A
Guard and Security Building (GSB)‡	AL-GSB-20140415-1.1	04/22/2014	---	---	Below MDC	Below MDC	Below MDC	555.39	N/A	N/A	N/A
Artesia (ART)§	AL-ART-20140415-1.1	04/22/2014	---	---	Below MDC	Below MDC	Below MDC	551.87	N/A	N/A	N/A
Eunice (EUN)§	AL-EUN-20140415-1.1	04/22/2014	---	---	Below MDC	Below MDC	Below MDC	570.52	N/A	N/A	N/A

Environmental Monitoring & Hydrology Airborne Particulates Sampling

5/14/2014 - 08:00 AM

Location	Sample ID Number	Sample Date	ISOLO Spectrum Analyzer Gross α β Preliminary/ Final DPM	WIPP Labs Gross α DPM	WIPP Labs Radiochemistry Am-241 (dpm/sample)	WIPP Labs Radiochemistry Pu-238 (dpm/sample)	WIPP Labs Radiochemistry Pu-239/240 (dpm/sample)	Air Flow Volume (m^3)	WIPP Labs Radiochemistry Am-241 (Bq/m^3)	WIPP Labs Radiochemistry Pu-238 (Bq/m^3)	WIPP Labs Radiochemistry Pu-239/240 (Bq/m^3)
Hobbs (HBS)§	AL-HBS-20140415-1.1	04/22/2014	---	---	Below MDC	Below MDC	Below MDC	556.26	N/A	N/A	N/A
Loving (LVG)§	AL-LVG-20140415-1.1	04/22/2014	---	---	Below MDC	Below MDC	Below MDC	545.64	N/A	N/A	N/A
WIPP Far Field (WFF)	AL-WFF-20140422-1.2	04/29/2014	---	---				562.80			
WIPP Far Field (WFF) co-located	AL-WFF-20140422-2.2	04/29/2014	---	---				577.01			
WIPP East (WEE)	AL-WEE-20140422-1.1	04/29/2014	---	---				568.83			
WIPP South (WSS)	AL-WSS-20140422-1.1	04/29/2014	---	---				579.86			
Mills Ranch (MLR)	AL-MLR-20140422-1.1	04/29/2014	---	---				579.51			
Carlsbad (CBD)	AL-CBD-20140422-1.2	04/29/2014	---	---				553.41			
Carlsbad (CBD) co-located sample	AL-CBD-20140422-2.2	04/29/2014	---	---				561.97			
Smith Ranch (SMR)	AL-SMR-20140422-1.1	04/29/2014	---	---				563.91			
Southeast Control (SEC)	AL-SEC-20140422-1.1	04/29/2014	---	---				585.19			
Meteorology Tower Building (MET)†	AL-MET-20140422-1.1	04/29/2014	---	---				568.49			
Salt Hoist (SLT)†	AL-SLT-20140422-1.1	04/29/2014	---	---				568.66			
Southeast of Training Building (STB)†	AL-STB-20140422-1.1	04/29/2014	---	---				578.00			
Guard and Security Building (GSB)‡	AL-GSB-20140422-1.1	04/29/2014	---	---				568.66			
Artesia (ART)§	AL-ART-20140422-1.1	04/29/2014	---	---				565.16			
Eunice (EUN)§	AL-EUN-20140422-1.1	04/29/2014	---	---				575.54			
Hobbs (HBS)§	AL-HBS-20140422-1.1	04/29/2014	---	---				546.07			
Loving (LVG)§	AL-LVG-20140422-1.1	04/29/2014	---	---				568.76			

* Filter volumes based on an adjusted filter installation date. This date was changed from the actual filter installation date to the date of the release which occurred at 23:30 hours on 2/14/14.

† This sampling location was initiated on March 4, 2014.

‡ This sampling location was initiated on March 25, 2014.

§ This sampling location was initiated on April 10, 2014.

Note: Minimum detectable concentration (MDC) corresponds to the lowest concentration measurement that can be detected by the laboratory instrumentation.

MDC ranges are:

MDC Am-241 (dpm/sample): 1.89E-02 to 5.05E-01

MDC Pu-238 (dpm/sample): 1.89E-02 to 1.57E+01

MDC Pu-239/240 (dpm/sample): 1.70E-02 to 5.94E-01

Environmental Monitoring & Hydrology Surface Water Sampling

5/14/2014 - 08:00 AM

Location	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/L)	Pu-238 (dpm/L)	Pu-239/240 (dpm/L)
SWIC Evaporation Basin A	WS-EBA-20140219-1.2	2/19/2014	Below MDC	Below MDC	Below MDC
SWIC Evaporation Basin A	WS-EBA-20140219-2.2	2/19/2014	Below MDC	Below MDC	Below MDC
Salt Pile Evaporation Pond	WS-SPE-20140219-1.1	2/19/2014	Below MDC	Below MDC	Below MDC
Salt Storage Extension Basin I	WS-EB1-20140219-1.1	2/19/2014	Below MDC	Below MDC	Below MDC
Salt Storage Extension Basin II	WS-EB2-20140219-1.1	2/19/2014	Below MDC	Below MDC	Below MDC
SWIC Pond 1	WS-PD1-20140219-1.1	2/19/2014	Below MDC	Below MDC	Below MDC
SWIC Pond 2	WS-PD2-20140219-1.1	2/19/2014	Below MDC	Below MDC	Below MDC
Blank	WS-BLK-20140219-1.1	2/19/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity*	WS-SOO-20140302-1.2	3/2/2014	**9.69E-01**	Below MDC	**7.48E-02**
Sample of Opportunity (Dupe)*	WS-SOO-20140302-2.2	3/2/2014	**3.93E-01**	Below MDC	Below MDC
Blank	WS-BLK-20140302-1.1	3/2/2014	Below MDC	Below MDC	Below MDC
Hill Tank	WS-HIL-20140312-1.2	3/12/2014	Below MDC	Below MDC	Below MDC
Hill Tank	WS-HIL-20140312-2.2	3/12/2014	Below MDC	Below MDC	Below MDC
Fresh Water Tank	WS-FWT-20140312-1.1	3/12/2014	Below MDC	Below MDC	Below MDC
Tut Tank	WS-TUT-20140313-1.1	3/13/2014	Below MDC	Below MDC	Below MDC
Pierce Canyon	WS-PCN-20140313-1.1	3/13/2014	Below MDC	Below MDC	Below MDC
Carlsbad	WS-CBD-20140313-1.2	3/13/2014	Below MDC	Below MDC	Below MDC
Carlsbad	WS-CBD-20140313-2.2	3/13/2014	Below MDC	Below MDC	Below MDC
Brantley Lake	WS-BRA-20140314-1.1	3/14/2014	Below MDC	Below MDC	Below MDC
Upper Pecos River	WS-UPR-20140314-1.1	3/14/2014	Below MDC	Below MDC	Below MDC
Coyote Well	WS-COW-20140314-1.1	3/14/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140316-1.5	3/16/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity (Dupe)†	WS-SOO-20140316-2.5	3/16/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140316-3.5	3/16/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140316-4.5	3/16/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity (Blank)	WS-SOO-20140316-5.5	3/16/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity*	WS-SOO-20140326-1.2	3/26/2014	**1.60E-01**	Below MDC	Below MDC
Sample of Opportunity (Dupe)*	WS-SOO-20140326-2.2	3/26/2014	**9.07E-02**	Below MDC	Below MDC
Blank	WS-BLK-20140326-1.1	3/26/2014	Below MDC	Below MDC	Below MDC
Sewage Lagoons	WS-SWL-20140416-1.1	4/16/2014	Below MDC	Below MDC	Below MDC
SWIC Pond 1	WS-PD1-20140423-1.1	4/23/2014	Below MDC	Below MDC	Below MDC
SWIC Pond 2	WS-PD2-20140423-1.2	4/23/2014	Below MDC	Below MDC	Below MDC
SWIC Pond 2	WS-PD2-20140423-2.2	4/23/2014	Below MDC	Below MDC	Below MDC
Evaporation Pond A	WS-EBA-20140423-1.1	4/23/2014	Below MDC	Below MDC	Below MDC
Blank	WS-BLK-20140423-1.1	4/23/2014	Below MDC	Below MDC	Below MDC

* These samples were collected during a rain event from various locations within the Property Protection Area. Highest concentration is about 3% of the EPA drinking water standard for alpha radioactivity.

† These samples were collected during a rain event from various locations within the Property Protection Area.

Note: Sediment sample locations are co-located with off-site surface water sample locations. Surface water samples are collected when water is available. Minimum detectable concentration (MDC) corresponds to the lowest concentration measurement that can be detected by the laboratory instrumentation.

MDC ranges are:

MDC Am-241 (dpm/L): 4.53E-02 to 7.78E-02

MDC Pu-238 (dpm/L): 3.30E-02 to 6.69E-02

MDC Pu-239/240 (dpm/L): 3.01E-02 to 5.92E-02

Environmental Monitoring & Hydrology Sediment Sampling

5/14/2014 - 08:00 AM

Location	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/g)	Pu-238 (dpm/g)	Pu-239/240 (dpm/g)
Red Tank	SB-RED-20140312-1.1	3/12/2014	Below MDC	Below MDC	Below MDC
Bottom of the Hill Tank	SB-BHT-20140312-1.1	3/12/2014	Below MDC	Below MDC	Below MDC
Noya Tank	SB-NOY-20140312-1.1	3/12/2014	Below MDC	Below MDC	Below MDC
Hill Tank	SB-HIL-20140312-1.2	3/12/2014	Below MDC	Below MDC	Below MDC
Hill Tank	SB-HIL-20140312-2.2	3/12/2014	Below MDC	Below MDC	Below MDC
Lost Tank	SB-LST-20140312-1.1	3/12/2014	Below MDC	Below MDC	Below MDC
Tut Tank	SB-TUT-20140313-1.1	3/13/2014	Below MDC	Below MDC	Below MDC
Pierce Canyon	SB-PCN-20140313-1.1	3/13/2014	Below MDC	Below MDC	Below MDC
Carlsbad	SB-CBD-20140313-1.2	3/13/2014	Below MDC	Below MDC	Below MDC
Carlsbad	SB-CBD-20140313-2.2	3/13/2014	Below MDC	Below MDC	Below MDC
Poker Trap	SB-PKT-20140313-1.1	3/13/2014	Below MDC	Below MDC	Below MDC
Indian Tank	SB-IND-20140313-1.1	3/13/2014	Below MDC	Below MDC	Below MDC
Brantley	SB-BRA-20140314-1.1	3/14/2014	Below MDC	Below MDC	Below MDC
Upper Pecos River	SB-UPR-20140314-1.1	3/14/2014	Below MDC	Below MDC	Below MDC

Note: Sediment sample locations are co-located with off-site surface water sample locations. Surface water samples are collected when water is available. Minimum detectable concentration (MDC) corresponds to the lowest concentration measurement that can be detected by the laboratory instrumentation.

MDC ranges are:

MDC Am-241 (dpm/g): 3.11E-02 to 4.42E-02

MDC Pu-238 (dpm/g): 1.63E-02 to 3.26E-02

MDC Pu-239/240 (dpm/g): 3.12E-02 to 3.66E-02

Environmental Monitoring & Hydrology Biota Sampling - Fauna

5/14/2014 - 08:00 AM

Tissue Type/Location	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/g)	Pu-238 (dpm/g)	Pu-239/240 (dpm/g)
Biotic Quail/WIPP East	BQ-WEE-20140325-1.1	3/25/2014			

Note: Minimum detectable concentration (MDC) corresponds to the lowest concentration measurement that can be detected by the laboratory instrumentation.

MDC ranges are:

MDC Am-241 (dpm/g): Ranges will be added when results are available

MDC Pu-238 (dpm/g): Ranges will be added when results are available

MDC Pu-239/240 (dpm/g): Ranges will be added when results are available

Environmental Monitoring & Hydrology Biota Sampling - Vegetation

5/14/2014 - 08:00 AM

Location	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/g)	Pu-238 (dpm/g)	Pu-239/240 (dpm/g)
WIPP Far Field	BV-WFF-20140221-1.2	2/21/2014	Below MDC	Below MDC	Below MDC
WIPP Far Field (Duplicate)	BV-WFF-20140221-2.2	2/21/2014	Below MDC	Below MDC	Below MDC
WIPP East	BV-WEE-20140221-1.1	2/21/2014	Below MDC	Below MDC	Below MDC
WIPP South	BV-WSS-20140222-1.1	2/22/2014	Below MDC	Below MDC	Below MDC
Smith Ranch	BV-SMR-20140222-1.1	2/22/2014	Below MDC	Below MDC	Below MDC
Mills Ranch	BV-MLR-20140222-1.1	2/22/2014	Below MDC	Below MDC	Below MDC
Southeast Control	BV-SEC-20140222-1.1	2/22/2014	Below MDC	Below MDC	Below MDC
GPS Location 1*	BV-SOO-20140319-1.1	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 2*	BV-SOO-20140319-1.2	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 3*	BV-SOO-20140319-1.3	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 4*	BV-SOO-20140319-1.4	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 5*	BV-SOO-20140321-1.5	3/21/2014	Below MDC	Below MDC	Below MDC
GPS Location 6*	BV-SOO-20140321-1.6	3/21/2014	Below MDC	Below MDC	Below MDC
GPS Location 7*	BV-SOO-20140320-1.7	3/20/2014	Below MDC	Below MDC	Below MDC
GPS Location 8*	BV-SOO-20140321-1.8	3/21/2014	Below MDC	Below MDC	Below MDC
GPS Location 9*	BV-SOO-20140320-1.9	3/20/2014	Below MDC	Below MDC	Below MDC
GPS Location 10*	BV-SOO-20140319-1.10	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 11*	BV-SOO-20140319-1.11	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 12*	BV-SOO-20140319-1.12	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 13*	BV-SOO-20140319-1.13	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 14*	BV-SOO-20140319-1.14	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 15*	BV-SOO-20140319-1.15	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 16*	BV-SOO-20140319-1.16	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 17*	BV-SOO-20140320-1.17	3/20/2014	Below MDC	Below MDC	Below MDC
GPS Location 18*	BV-SOO-20140320-1.18	3/20/2014	Below MDC	Below MDC	Below MDC
GPS Location 19*	BV-SOO-20140320-1.19	3/20/2014	Below MDC	Below MDC	Below MDC
GPS Location 20*	BV-SOO-20140319-1.20	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 21*	BV-SOO-20140319-1.21	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 22*	BV-SOO-20140320-1.22	3/20/2014	Below MDC	Below MDC	Below MDC
GPS Location 23*	BV-SOO-20140320-1.23	3/20/2014	Below MDC	Below MDC	Below MDC
GPS Location 24*	BV-SOO-20140319-1.24	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 25*	BV-SOO-20140319-1.25	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 26*	BV-SOO-20140321-1.26	3/21/2014	Below MDC	Below MDC	Below MDC
GPS Location 27*	BV-SOO-20140320-1.27	3/20/2014	Below MDC	Below MDC	Below MDC
GPS Location 28*	BV-SOO-20140321-1.28	3/21/2014	Below MDC	Below MDC	Below MDC
GPS Location 29*	BV-SOO-20140321-1.29	3/21/2014	Below MDC	Below MDC	Below MDC
GPS Location 10 (Duplicate)*	BV-SOO-20140319-2.10	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 18 (Duplicate)*	BV-SOO-20140320-2.18	3/20/2014	Below MDC	Below MDC	Below MDC
GPS Location 6 (Duplicate)*	BV-SOO-20140321-2.6	3/21/2014	Below MDC	Below MDC	Below MDC

* These sampling sites are being accounted for via GPS location identifiers and field stakes.

Note: Vegetation samples were collected adjacent to air sampling locations. Minimum detectable concentration (MDC) corresponds to the lowest concentration measurement that can be detected by the laboratory instrumentation.

MDC ranges are:

MDC Am-241 (dpm/g): 2.32E-02 to 3.38E-02

MDC Pu-238 (dpm/g): 1.68E-02 to 2.17E-02

MDC Pu-239/240 (dpm/g): 1.04E-02 to 2.88E-02

Environmental Monitoring & Hydrology Soil Sampling

5/14/2014 - 08:00 AM

Location/Depth	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/g)	Pu-238 (dpm/g)	Pu-239/240 (dpm/g)
WIPP Far Field Surface Sample (0-2 cm)	SS-WFF-20140213-1.1	2/13/2014	Below MDC	Below MDC	Below MDC
WIPP Far Field Intermediate Sample (2-5 cm)	SI-WFF-20140213-1.1	2/13/2014	Below MDC	Below MDC	Below MDC
WIPP Far Field Deep Sample (5-10 cm)	SD-WFF-20140213-1.1	2/13/2014	Below MDC	Below MDC	Below MDC
WIPP East Surface Sample (0-2 cm)	SS-WEE-20140213-1.1	2/13/2014	Below MDC	Below MDC	Below MDC
WIPP East Intermediate Sample (2-5 cm)	SI-WEE-20140213-1.1	2/13/2014	Below MDC	Below MDC	Below MDC
WIPP East Deep Sample (5-10 cm)	SD-WEE-20140213-1.1	2/13/2014	Below MDC	Below MDC	Below MDC
WIPP South Surface Sample (0-2 cm)	SS-WSS-20140214-1.1	2/14/2014	Below MDC	Below MDC	Below MDC
WIPP South Intermediate Sample (2-5 cm)	SI-WSS-20140214-1.1	2/14/2014	Below MDC	Below MDC	Below MDC
WIPP South Deep Sample (5-10 cm)	SD-WSS-20140214-1.1	2/14/2014	Below MDC	Below MDC	Below MDC
WIPP Far Field Surface Sample (0-2 cm)	SS-WFF-20140217-1.2	2/17/2014	Below MDC	Below MDC	Below MDC
WIPP Far Field Intermediate Sample (2-5 cm)	SI-WFF-20140217-1.2	2/17/2014	Below MDC	Below MDC	Below MDC
WIPP Far Field Deep Sample (5-10 cm)	SD-WFF-20140217-1.2	2/17/2014	Below MDC	Below MDC	Below MDC
WIPP Far Field Surface Sample (0-2 cm)	SS-WFF-20140217-2.2	2/17/2014	Below MDC	Below MDC	Below MDC
WIPP Far Field Intermediate Sample (2-5 cm)	SI-WFF-20140217-2.2	2/17/2014	Below MDC	Below MDC	Below MDC
WIPP Far Field Deep Sample (5-10 cm)	SD-WFF-20140217-2.2	2/17/2014	Below MDC	Below MDC	Below MDC
WIPP East Surface Sample (0-2 cm)	SS-WEE-20140217-1.1	2/17/2014	Below MDC	Below MDC	Below MDC
WIPP East Intermediate Sample (2-5 cm)	SI-WEE-20140217-1.1	2/17/2014	Below MDC	Below MDC	Below MDC
WIPP East Deep Sample (5-10 cm)	SD-WEE-20140217-1.1	2/17/2014	Below MDC	Below MDC	Below MDC
WIPP South Surface Sample (0-2 cm)	SS-WSS-20140217-1.1	2/17/2014	Below MDC	Below MDC	Below MDC
WIPP South Intermediate Sample (2-5 cm)	SI-WSS-20140217-1.1	2/17/2014	Below MDC	Below MDC	Below MDC
WIPP South Deep Sample (5-10 cm)	SD-WSS-20140217-1.1	2/17/2014	Below MDC	Below MDC	Below MDC
Mills Ranch Surface Sample (0-2 cm)*	SS-MLR-20140220-1.1	2/20/2014	Below MDC	Below MDC	**4.06E-02**
Mills Ranch Intermediate Sample (2-5 cm)	SI-MLR-20140220-1.1	2/20/2014	Below MDC	Below MDC	Below MDC
Mills Ranch Deep Sample (5-10 cm)	SD-MLR-20140220-1.1	2/20/2014	Below MDC	Below MDC	Below MDC
Smith Ranch Surface Sample (0-2 cm)	SS-SMR-20140220-1.1	2/20/2014	Below MDC	Below MDC	Below MDC
Smith Ranch Intermediate Sample (2-5 cm)	SI-SMR-20140220-1.1	2/20/2014	Below MDC	Below MDC	Below MDC
Smith Ranch Deep Sample (5-10 cm)	SD-SMR-20140220-1.1	2/20/2014	Below MDC	Below MDC	Below MDC
Southeast Control Surface Sample (0-2 cm)	SS-SEC-20140220-1.2	2/20/2014	Below MDC	Below MDC	Below MDC
Southeast Control Intermediate Sample (2-5 cm)	SI-SEC-20140220-1.2	2/20/2014	Below MDC	Below MDC	Below MDC
Southeast Control Deep Sample (5-10 cm)	SD-SEC-20140220-1.2	2/20/2014	Below MDC	Below MDC	Below MDC
Southeast Control Surface Sample (0-2 cm)	SS-SEC-20140220-2.2	2/20/2014	Below MDC	Below MDC	Below MDC
Southeast Control Intermediate Sample (2-5 cm)	SI-SEC-20140220-2.2	2/20/2014	Below MDC	Below MDC	Below MDC
Southeast Control Deep Sample (5-10 cm)	SD-SEC-20140220-2.2	2/20/2014	Below MDC	Below MDC	Below MDC
GPS Location 1 (0-2 cm)†	SS-SOO-20140319-1.1	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 2 (0-2 cm)†	SS-SOO-20140319-1.2	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 3 (0-2 cm)†	SS-SOO-20140319-1.3	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 4 (0-2 cm)†	SS-SOO-20140319-1.4	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 5 (0-2 cm)†	SS-SOO-20140321-1.5	3/21/2014	Below MDC	Below MDC	Below MDC
GPS Location 6 (0-2 cm)†	SS-SOO-20140321-1.6	3/21/2014	Below MDC	Below MDC	Below MDC
GPS Location 7 (0-2 cm)†	SS-SOO-20140320-1.7	3/20/2014	Below MDC	Below MDC	Below MDC
GPS Location 8 (0-2 cm)†	SS-SOO-20140321-1.8	3/21/2014	Below MDC	Below MDC	Below MDC
GPS Location 9 (0-2 cm)†	SS-SOO-20140320-1.9	3/20/2014	Below MDC	Below MDC	Below MDC
GPS Location 10 (0-2 cm)†	SS-SOO-20140319-1.10	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 11 (0-2 cm)†	SS-SOO-20140319-1.11	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 12 (0-2 cm)†	SS-SOO-20140319-1.12	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 13 (0-2 cm)†	SS-SOO-20140319-1.13	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 14 (0-2 cm)†	SS-SOO-20140319-1.14	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 15 (0-2 cm)†	SS-SOO-20140319-1.15	3/19/2014	Below MDC	Below MDC	Below MDC

Environmental Monitoring & Hydrology Soil Sampling

5/14/2014 - 08:00 AM

Location/Depth	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/g)	Pu-238 (dpm/g)	Pu-239/240 (dpm/g)
GPS Location 16 (0-2 cm)†	SS-SOO-20140319-1.16	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 17 (0-2 cm)†	SS-SOO-20140320-1.17	3/20/2014	Below MDC	Below MDC	Below MDC
GPS Location 18 (0-2 cm)†	SS-SOO-20140320-1.18	3/20/2014	Below MDC	Below MDC	Below MDC
GPS Location 19 (0-2 cm)†	SS-SOO-20140320-1.19	3/20/2014	Below MDC	Below MDC	Below MDC
GPS Location 20 (0-2 cm)†	SS-SOO-20140319-1.20	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 21 (0-2 cm)†	SS-SOO-20140319-1.21	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 22 (0-2 cm)†	SS-SOO-20140320-1.22	3/20/2014	Below MDC	Below MDC	Below MDC
GPS Location 23 (0-2 cm)†	SS-SOO-20140320-1.23	3/20/2014	Below MDC	Below MDC	Below MDC
GPS Location 24 (0-2 cm)†	SS-SOO-20140319-1.24	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 25 (0-2 cm)†	SS-SOO-20140319-1.25	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 26 (0-2 cm)†	SS-SOO-20140321-1.26	3/21/2014	Below MDC	Below MDC	Below MDC
GPS Location 27 (0-2 cm)†	SS-SOO-20140320-1.27	3/20/2014	Below MDC	Below MDC	Below MDC
GPS Location 28 (0-2 cm)†	SS-SOO-20140321-1.28	3/21/2014	Below MDC	Below MDC	Below MDC
GPS Location 29 (0-2 cm)†	SS-SOO-20140321-1.29	3/21/2014	Below MDC	Below MDC	Below MDC
GPS Location 10 (0-2 cm) (Duplicate)†	SS-SOO-20140319-2.10	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 18 (0-2 cm) (Duplicate)†	SS-SOO-20140320-2.18	3/20/2014	Below MDC	Below MDC	Below MDC
GPS Location 6 (0-2 cm) (Duplicate)†	SS-SOO-20140321-2.6	3/21/2014	Below MDC	Below MDC	Below MDC

* The detection in this sample is within the range of historical results for this location. Value updated as a result of reanalysis by the analytical laboratory.

† These sampling sites are being accounted for via GPS location identifiers and field stakes.

Note: Radionuclides are considered detected in an environmental sample if the measured concentration or activity is greater than the minimum detectable concentration (MDC) and greater than the total propagated uncertainty (TPU) at the 2 sigma (σ) TPU level. To show a non-detect "Below MDC" is used in the Table. The MDC is the lowest concentration measurement that can be detected by laboratory instrumentation; the TPU is an estimate of uncertainty in the measurement from all sources.

Minimum detectable concentration (MDC) ranges are:

MDC Am-241 (dpm/g): 2.62E-02 to 4.12E-02

MDC Pu-238 (dpm/g): 1.61E-02 to 2.71E-02

MDC Pu-239/240 (dpm/g): 3.17E-03 to 3.56E-02

Site Environmental Compliance Salt Pile Sampling

5/14/2014 - 08:00 AM

Location	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/g)	Pu-238 (dpm/g)	Pu-239/240 (dpm/g)
South Face of Salt Pile	WST-14-012	3/13/2014	Below MDC	Below MDC	Below MDC
East Face of Salt Pile	WST-14-013	3/13/2014	Below MDC	Below MDC	Below MDC
West Face of Salt Pile	WST-14-014	3/13/2014	Below MDC	Below MDC	Below MDC
South Ridge of Salt Pile, South of Salt Pile	WST-14-015	3/13/2014	Below MDC	Below MDC	Below MDC
North Ridge of Salt Pile, North of Salt Pile	WST-14-016	3/13/2014	Below MDC	Below MDC	Below MDC
South Face of Salt Pile (Duplicate)	WST-14-017	3/13/2014	Below MDC	Below MDC	Below MDC

Samples collected at the Magnum Minerals salt pile per procedure WP 02-EC1001.

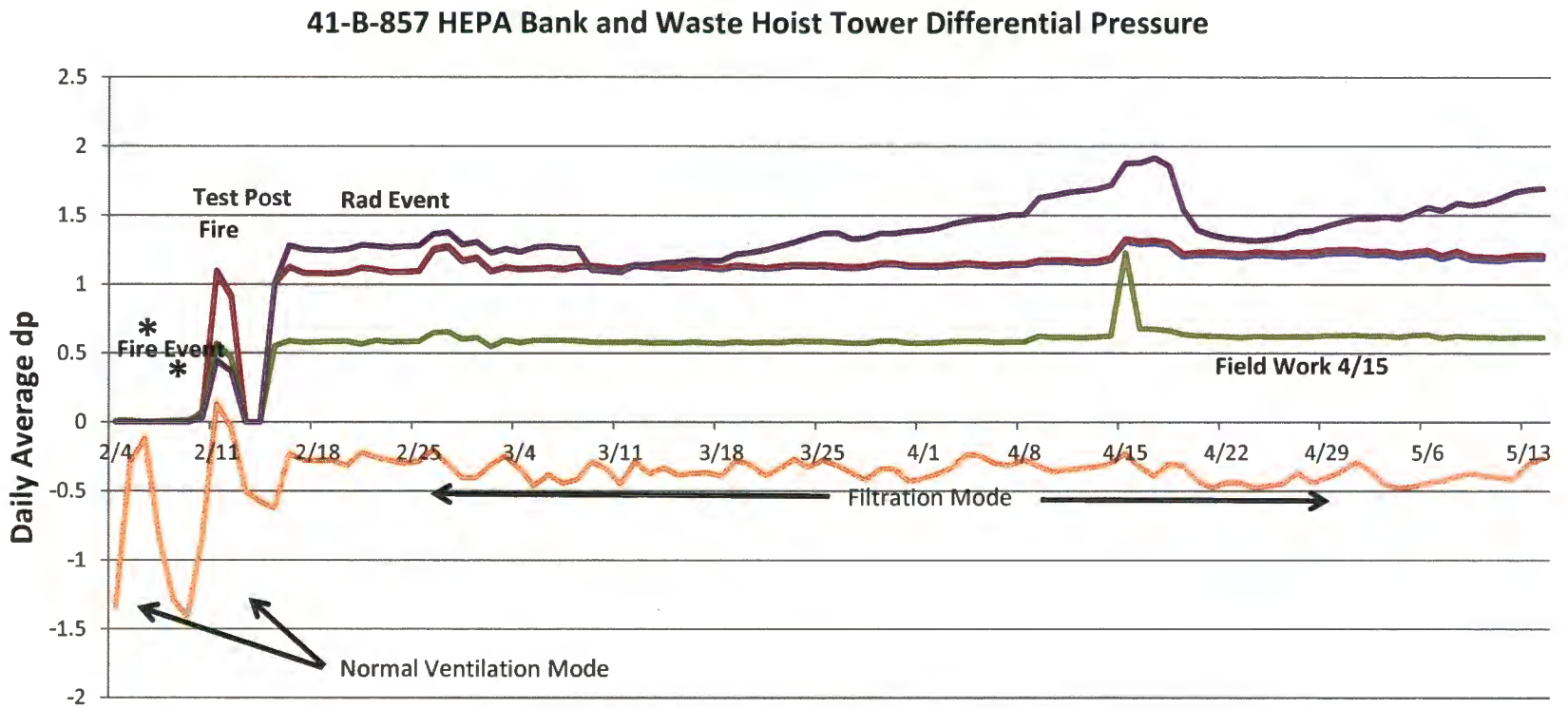
Note: Minimum detectable concentration (MDC) corresponds to the lowest concentration measurement that can be detected by the laboratory instrumentation.

MDC ranges are:

MDC Am-241 (dpm/g): 4.17E-02 to 5.03E-02

MDC Pu-238 (dpm/g): 2.84E-02 to 4.38E-02

MDC Pu-239/240 (dpm/g): 2.18E-02 to 2.43E-02



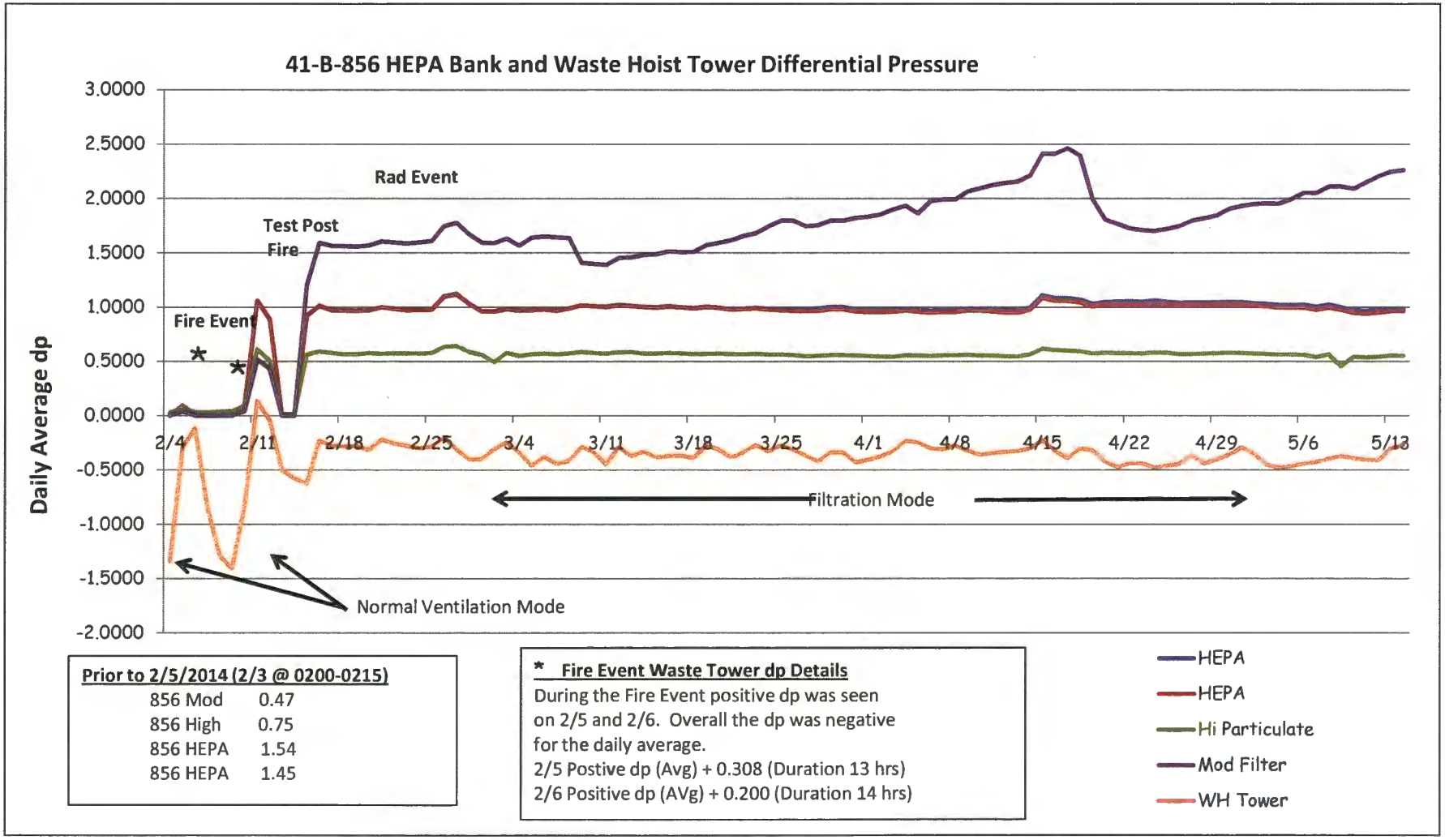
Prior to 2/5/2014 (2/3 @ 0200-0215)	
857	Mod 0.45
857	High 0.75
857	HEPA 1.52
857	HEPA 1.45

*** Fire Event Waste Tower dp Details**

During the Fire Event positive dp was seen on 2/5 and 2/6. Overall the dp was negative for the daily average.

2/5 Postive dp (Avg) + 0.308 (Duration 13 hrs)

2/6 Positive dp (AVg) + 0.200 (Duration 14 hrs)



Prior to 2/5/2014 (2/3 @ 0200-0215)

856 Mod	0.47
856 High	0.75
856 HEPA	1.54
856 HEPA	1.45

*** Fire Event Waste Tower dp Details**

During the Fire Event positive dp was seen on 2/5 and 2/6. Overall the dp was negative for the daily average.

2/5 Postive dp (Avg) + 0.308 (Duration 13 hrs)

2/6 Positive dp (AVg) + 0.200 (Duration 14 hrs)

WIPP Event Investigation
LANL Summary of 5/14/14 Providing Input for WIPP Daily Meeting on 5/15/14

LANL Scientific and Operational Activities

- LANL is standing by for receipt of the fixed air sample (FAS) from SRNL which should be shipped 5/15. Name and address for shipping was provided. Swipes from the WIPP 5/14 entry will be provided to LANL.
- An explanatory summary of the small scale testing is being incorporated into the data report and will be provided to Kathy.
- Continued chemical and radiological analysis of the un-remediated waste sample from the first un-remediated nitrate salt container.
- Prepared for the sampling and analysis of three nitrate salt containers with Swheat kitty litter. Today's activities included: 1) confirmed selection of drums to be sampled, 2) procedure in final review, 3) held meeting with sampling crew to discuss safety and process, 4) met with DNFSB to discuss safety and process, 5) reviewed radiography tapes on drums to be sampled, 6) removed lids from SWB over-packs and pulled gas samples. All levels were less than lower limits of flammability. Sampling will occur on 5/15 or 5/16.
- Repeating small scale reactivity and flammability analysis using 1) sodium nitrate, and 2) a sodium nitrate and potassium nitrate mixture. Preliminary results are similar to that of the potassium nitrate previously completed.
- Performed Nondestructive assay (NDA) of the two un-remediated drums that were sampled for nitrate salt. Will forward to Felicia Taw for comparison to measured values.
- Provided areas of interest to visually focus on for next WIPP entry to Mark Pearcy at WIPP. These areas include 18-6, 9-3,9-5, and area between 14-2 and 15-3 in addition to the previously identified areas at 16-4,17-5 and 15-5.
- Held conference call with experts on energetic events from LANL, SRS, and WIPP on the Panel 7 Room 7 video taken on the 5/10 entry. No conclusions however focus areas for next entry was discussed and recorded. Follow up call planned after next video review.
- Held conference call with chemical experts from SRS, LANL and WIPP on ideas for additional analysis available to determine chemical indicators that may provide insight into type of combustion event that occurred. Follow up discussions planned as analysis data becomes available.
- Work continued by EnergySolutions on the neutralizing agents used for the nitrate salt waste free liquids. This should be completed 5/15.
- Three photos from the 5/10 WIPP entry were mapped, labeled, and provided to Kathy.
- Requested the Accident Investigation Board (AIB) perform a review of the analytical procedures and protocols by the AIB person currently at LANL.
- Revisions to acceptable knowledge documents have started.
- No issues were identified in daily inspections of the remediated salt waste on 5/14.

Coordination and Communications

From LANL to WIPP completed:

- The headspace gas analysis summary
- Summary on MgO reactivity
- Received the pictures from the un-remediated drum sampling process

From WIPP to LANL completed:

- Salt chemistry data
- Ventilation pressure data
- CAM 151 derived air concentration and airflow data
- Packaging material melting point data
- Thermal properties for over-pack gasket material