ENTERED

Allen, Pam, NMENV

From: Maestas, Ricardo, NMENV
Sent: Thursday, February 12, 2015 10:02 AM
To: Allen, Pam, NMENV
Subject: FW: WIPP Information - For Call Today
Attachments: Station A and B Filter Readings for Public Release 6-27-14.xlsx; Environmental Sampling 2014-06-27 1000_dg.xlsx; 857 MOD and High Efficiency Survey Matrix.pdf - Adobe Acrobat Pro.pdf; 856 mod and high filter survey matrix.pdf; WIPP Zones.docx; 1300 Meeting Action Items 062514.xlsx

From: Maestas, Ricardo, NMENV
Sent: Wednesday, July 02, 2014 8:00 AM
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; Simon, Martin, NMENV; Cobrain, Dave, NMENV; Pullen, Steve, NMENV; Briley, Siona, NMENV; Hall, Timothy, NMENV; Kliphuis, Trais, NMENV
Subject: FW: WIPP Information - For Call Today

Notes for July 1, 2014
8:30am Call Notes follow below

From: Oba Vincent [mailto:oba.vincent@cbfo.doe.gov]
Sent: Tuesday, July 01, 2014 12:21 PM
To: Kliphuis, Trais, NMENV; 'peake.tom@epa.gov'; 'Edwards, Jonathan'; 'Walsh, Jonathan'; 'Perrin, Alan'; 'Kehrman, Bob - RES'; 'Chavez, Rick - RES'; 'Stone.Nick@epa.gov'; Smith, Coleman, NMENV; '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; '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; 'Lynnes, Kate'; Heidi Lowe; 'skeffer@projectenhancement.com'; 'christine.gibbs@nnsa.doe.gov'; 'torig@lanl.gov'; 'Roberts, Kathryn M <kroberts@lanl.gov> (kroberts@lanl.gov)'
Subject: WIPP Information - For Call Today

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).

- The filter change is complete.
- SS and AIS Shaft/Rope Inspections: Inspections will take place prior to U/G re-entry.
- U/G entries: the next entry into the mine will not occur until next week (this will be the first entry since May 30). The focus will be habitability surveys, mine recovery and evaluation of the waste hoist sump level.
- Area of Concern Video Evaluation: A cross-site team (REACH Team) comprised of WIPP, LANL, SRNL and the AIB, has been established for continued evaluation of Panel 7, Room 7. The team has taken a three phased approach for this evaluation: Phase 1 – video imaging; Phase 2 – thermography; and, Phase 3 – sampling. A solicitation for technical support for video imaging has been issued and two proposals are anticipated today. The proposals will

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be reviewed today and tomorrow and a selection is planned for 7/2. A kick-off meeting with the selected vender is scheduled for 7/3. A schedule for implementation of the selected approach should be available at that time.

- Cleaning of the waste hoist ductwork on the 4th and 5th floor continues. GE arrived on 6/16 to support cleaning of critical hoist components which will continue until 7/2. There is a concern that water may of accumulated in the sump below the hoist since February which will need to be addressed prior to operation of the hoist.
- A detailed recovery plan was submitted to the DOE for review on 5/31. The design package for the procurement of the skid mounted units and fans is under review. This is ongoing. During July, a briefing on the plan is planned for the EPA and NMED staff.
- Samples collected during the May 30 entry from the breached drum were sent to PNNL on 6/10 for analysis in accordance with established TAT protocols coordinated with AIB. The Mod filter that was obtained from the U/G ventilation system filter replacement on 6/23 is being held for possible future analysis and has not been shipped. No additional sample results have been obtained.
- The MCC's containing the waste of concern at WCS are all stored in the disposal cell and covered with sand. Temperatures have dropped substantially.
- Additional surface water and soil sample results were obtained. No results were observed greater than the MDC.

NOTE CALL-IN NUMBER: 1 888 413 3490, Code 7175394

8:30am Call Notes

SRNL

- Permission from TAT to commence analysis is expect today
- Cam analysis will come after the MgO
- TAT had a conference call yesterday
- SRNL fully expects to start work immanently
- PNNL-sample size issue, will reevaluate plan for analysis
- AIB asked for status on final report from SRNL on WIPP UG swipes: SRNL should have final out by end of next week

LANL

- Hourly inspections continue: no concerns
- Daily HSG sampling on 68685: CO2 at 18,787ppm and H2 at 81ppm
- HSG sampling on additional 7 SWBs ongoing as a reference
- LANL chem group is working on this report, believe they know all they need to for HSG
- 1 of 4 empty parent was sampled
- Today will sample another empty parent
- The 2 others will be sampled next week
- LANL all hands meeting today
- Roger Nelson asked about the status of LANL looking into whether NMED could join calls between WCS and LANL?
- Lee Bishop is heading these calls
- Mike Sensibough (CCP)-LANL flammability data only included Swheat kitty litter.
- Is there other LANL flam data to support a change to the AK

WIPP

- Filter change out is complete and went well
- Intact mod filter is still at WIPP
- AIB is holding mod filter as a backup and waiting to do ISOCs test for better data for shipping purposes to SRNL

- Project reach is still looking at 2 primary camera options
    - Carbon filter rods in boom extension
    - Gantry camera on wires
    - Both being reviewed at the EPD facility where mock room is being constructed

WCS
-did not participate in the call

Thank you

Oba

41-B-857 MOD Filters Survey
Note: All dose rates are in µrem/hr

Top Row from Right						
T-1	T-2	T-3	T-4	T-5	T-6	T-7
5cm = 6200	5cm = 7000	5cm = 8000	5cm = 6700	5cm = 6500	5cm = 7000	5cm = 6300
30 cm = 2100	30 cm = 2500	30 cm = 2700	30 cm = 2400	30 cm = 2200	30 cm = 2300	30 cm = 2200
Middle Row						
			SRNL Sample			
M-1	M-2	M-3	M-4	M-5	M-6	M-7
5cm = 5500	5cm = 6100	5cm = 6600	5cm = 6500	5cm = 6400	5cm = 6100	5cm = 6200
30cm = 2000	30cm = 2200	30cm = 2300	30cm = 2000	30cm = 2500	30cm = 2100	30cm = 2200
Bottom Row						
B-1	B-2	B-3	B-4	B-5	B-6	B-7
5cm = 6700	5cm = 6600	5cm = 6200	5cm = 8200	5cm = 5600	5cm = 6300	5cm = 5800
30cm = 2400	30cm = 2200	30cm = 2100	30cm = 2800	30cm = 2000	30cm = 2300	30cm = 2000

Maximum total contamination in filter room was 200,000 alpha dpm/100cm2, ND mrad/hr/100cm2. Removable contamination was 8,000 alpha, 2,000 beta-gamma dpm/100cm2.

41-B-857 High Efficient Filters Survey
Note: All dose rates are in µrem/hr

Top Row from Right						
T-1	T-2	T-3	T-4	T-5	T-6	T-7
5cm = 210	5cm = 300	5cm = 300	5cm = 250	5cm = 340	5cm = 305	5cm = 190
30 cm = 80	30 cm = 120	30 cm = 120	30 cm = 110	30 cm = 140	30 cm = 120	30 cm = 80
Middle Row						
M-1	M-2	M-3	M-4	M-5	M-6	M-7
5cm = 345	5cm = 450	5cm = 170	5cm = 280	5cm = 330	5cm = 320	5cm = 270
30cm = 155	30cm = 180	30cm = 70	30cm = 110	30cm = 150	30cm = 140	30cm = 90
Bottom Row						
B-1	B-2	B-3	B-4	B-5	B-6	B-7
5cm = 180	5cm = 345	5cm = 240	5cm = 350	5cm = 540	5cm = 400	5cm = 300
30cm = 75	30cm = 150	30cm = 110	30cm = 130	30cm = 230	30cm = 170	30cm = 120

Maximum total contamination detected was on filter M-5 40,000 alpha, 10,000 beta-gamma dpm/100cm2.

Maximum total contamination detected on backside of MOD filters was 4,000 alpha, 100,000 beta-gamma dpm/100cm2 between M-5 & B-5.

Survey# 14-1577 6/12/14

C Tay 6/12/14

41-B-856 MOD Filters Survey

Note: All dose rates are in µrem/hr

A. Calir 6/12/14 Joseph Bonta 6/12/14 6-12-14 6-12-14

Top Row from Left						
T-1	T-2	T-3	T-4	T-5	T-6	T-7
5cm = 6700	5cm = 5900	5cm = 6800	5cm = 5500	5cm = 7000	5cm = 6800	5cm = 6700
30 cm = 2300	30 cm = 1400	30 cm = 3300	30 cm = 2300	30 cm = 4200	30 cm = 3800	30 cm = 4100
Middle Row						
M-1	M-2	M-3	M-4	M-5	M-6	M-7
5cm = 7200	5cm = 6000	5cm = 7300	5cm = 5000	5cm = 6800	5cm = 6500	5cm = 6800
30cm = 4800	30cm = 3600	30cm = 4500	30cm = 1500	30cm = 3800	30cm = 3800	30cm = 4500
Bottom Row						
B-1	B-2	B-3	B-4	B-5	B-6	B-7
5cm = 7200	5cm = 6700	5cm = 6200	5cm = 7100	5cm = 7300	5cm = 6700	5cm = 7100
30cm = 4400	30cm = 4400	30cm = 3500	30cm = 4700	30cm = 4500	30cm = 4600	30cm = 4400

Note: Maximum total contamination detected was on filter T-3 160,000 dpm/100cm2 alpha & 100,000 dpm/100cm2 beta-gamma.

Survey #
14-1560

41-B-856 High Efficient Filters Survey
Note: All dose rates are in µrem/hr

Top Row from Left T-1 5cm = 5.0 30 cm = ND	T-2 5cm = 6.0 30 cm = ND	T-3 5cm = 9.0 30 cm = 2.0	T-4 5cm = 3.0 30 cm = ND	T-5 5cm = 12.0 30 cm = 5.0	T-6 5cm = 16.0 30 cm = 8.0	T-7 5cm = 8.0 30 cm = 2.0
Middle Row M-1 5cm = 11.0 30cm = 5.0	M-2 5cm = 10.0 30cm = 5.0	M-3 5cm = 10.0 30cm = 5.0	M-4 5cm = 11.0 30cm = 4.0	M-5 5cm = 9.0 30cm = 3.0	M-6 5cm = 6.0 30cm = 2.0	M-7 5cm = 6.0 30cm = 1.0
Bottom Row B-1 5cm = 10.0 30cm = 4.0	B-2 5cm = 5.0 30cm = 1.0	B-3 5cm = 4.0 30cm = ND	B-4 5cm = 9.0 30cm = 4.0	B-5 5cm = 5.0 30cm = ND	B-6 5cm = 13.0 30cm = 5.0	B-7 5cm = 6.0 30cm = 1.0

WIPP RECOVERY 1:00 DAILY MEETING ACTION LIST

Revised 6/25/2014

	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. Prepare a letter and fact sheet to address NMED regarding controls at WCS to ensure security of containers and compliance with permit.	Farok	Discuss tbd. See action item below	**Closed pending NMED comments.** 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. **Response combined with item #6.**
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. Was the leak at the dampers a source of the release? If not, what was the source?	Chavez/Kehrman	4/30 in response to NMED's comment discussed on 4/23.	**Closed pending NMED comments.** A response has been posted for NMED review. NMED discussed comments with Chavez & Kehrman on 4/23 and 6/4. **Response combined with item #25.**
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	**Recommend closing, addressed in Recovery Plan.** The existing NMED Administrative Order addresses this through July 17, 2014.
54	5/5/2014, 5/6/2014 and 5/19/2014	Trais Kliphuis	What is the status of investigating the LANL nitrate salt waste stream? Requested a written summary (like a progress report) of LANL activities.	R. Chavez/ Basabilvazo	tbd	**Closed pending NMED comments.** 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.

WIPP RECOVERY 1:00 DAILY MEETING ACTION LIST
Revised 6/25/2014

	A	B	C	D	E	F
79	06/17/14	Tom Peake	EPA wants more information about what the "soil transverse plume" graphic represents and why it is different from 3/10/14 consequence assessment.			**Closed**. Provided to T. Peake in a 6/24 Vincent email.
81	06/17/14	Coleman Smith	NMED would like rad data taken from the front and back of the HEPA filters during the June change-out activity and the rad data from the Mod and High Efficiency filters that were changed out for both the 856 and 857 filter banks.			
82	06/17/14	Oba Vincent	DOE requested an advance copy of the EPA's report that investigated the 2/12 release.			This will help DOE be prepared to respond to media requests in a timely manner.
83	06/23/14	Tom Peake	Identify what Station B counts represent. A sub-question is why is the Station B counts only ¼ or 1/10 of the Station A counts.	Jones/MacMilan		S. Jones has discussed with T. Peake. A response that incorporates CERMC data is being drafted.
84	06/24/14	Trais Kliphuis	NMED requested a copy of the LANL remediation records for waste stored in Panel 6.			
85	06/24/14	Trais Kliphuis	NMED requested a copy of the report on the Evaluation of Elevated Temperatures in Panel 7.			

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	Laboratory Analysis			8.2M*	<MDA	N/P
2/15/14	2/15/14 0630	2/15/14 0840	A230215140630	225K	46.8K	021514/0916	LaboratoryAnalysis			213K*	<MDA	N/P
2/15/14	2/15/14 0840	2/15/14 1510	A230215140840	285K	54K	021514/1541	Non-Rad 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	Non-Rad 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	Count Not Performed			46.3K	8749.0	030614/1555
2/16/14	2/16/14 0850	2/16/14 1648	A230216140850	12.3K	2842	021614/1927	Count Not Performed			12.2K	2306.0	030614/1555
2/16/14	2/16/14 1648	2/17/14 0015	A230216141650	4051	1256	021714/0046	Count Not Performed			3526.0	702.0	030614/1555
2/17/14	2/17/14 0015	2/17/14 0820	A230217140015	1802	638	021714/0942	1723	573	021714/1012	1660.0	325.0	030614/1555
2/17/14	2/17/14 0820	2/17/14 1620	A230217140820	1048	621	021714/1705	Count Not Performed			767.0	150.0	030614/1555
2/17/14	2/17/14 1620	2/18/14 0010	A230217141620	802	633	021814/0051	633	230	021814/1012	44.0	8.0	030614/1555
2/18/14	2/18/14 0010	2/18/14 0820	A230218140010	326	338	021814/0928	237	157	021814/1202	163.0	30.0	030614/1555
2/18/14	2/18/14 0820	2/18/14 1605	A230218140820	609	780	021814/1624	258	118	021914/0315	239.0	39.0	030614/1555
2/18/14	2/18/14 1605	2/19/14 0035	A230218141605	346	340	021914/0143	227	143	021914/0547	186.0	41.0	030614/1555
2/19/14	2/19/14 0035	2/19/14 0823	A230219140040	224	320	021914/0952	136	143	021914/1222	72.0	12.0	030914/1349
2/19/14	2/19/14 0823	2/19/14 1600	A230219140823	264	443	021914/1708	130	137	021914/2046	84.0	11.0	030914/1349

urate due to debris filter loading.

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

* Values represent the results of isotopic analysis.

MDA = Minimum Detectable Activity

dpm =Disintegrations Per Minute

N/A = Not Analyzed N/P = Not Performed

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)
2/25/14	2/25/14 0005	2/25/14 0830	A230225140005	381	618	022514/0951	138	194	022514/1349	30.0	8.0	030914/1636
2/25/14	2/25/14 0830	2/25/14 1628	A120225140830	544	962	022514/1730	165	277	022514/2000	17.0	<MDA	030914/1636
2/25/14	2/25/14 1628	2/26/14 0025	A230225141628	647	1140	022614/0100	161	263	022614/0407	28.0	<MDA	030914/1636
2/26/14	2/26/14 0025	2/26/14 0845	A230226140025	307	487	022614/0958	158	225	022614/1354	32.0	<MDA	030914/1636
2/26/14	2/26/14 0845	2/26/14 1640	A230226140845	377	579	022614/1729	ınt Not Performed			35.0	6.0	030914/1637
2/26/14	2/26/14 1640	2/27/14 0015	A230226141640	458	826	022714/0052	114	172	022714/0408	25.0	14.0	030914/1637
2/27/14	2/27/14 0015	2/27/14 0903	A230227140015	685	1198	022714/0932	191	340	022714/1225	26.0	9.0	030914/2058
2/27/14	2/27/14 0903	2/27/14 1651	A230227140903	457	793	022714/1726	78	103	022814/0424	30.0	12.0	030914/2055
2/28/14	2/27/14 1651	2/28/14 0015	A230227141651	239	423	022812/0046	52	90	022814/0401	14.0	<MDA	030914/2053
2/28/14	2/28/14 0015	2/28/14 0835	A230228140015	81	136	022814/1032	49	81	022814/1417	11.0	<MDA	030914/2103
2/28/14	2/28/14 0835	02/28/14 1615	A230228140835	84	127	022814/1820	43	91	022814/2119	9.0	<MDA	030914/2107
3/1/14	2/28/14 1615	3/1/14 0104	A230228141615	133	208	030114/0235	60	89	030114/0527	16.0	7.0	030914/2213
3/1/14	3/1/14 0104	3/1/14 0855	A230301140104	224	440	030114/0956	73	116	030114/1257	9.0	8.0	030914/2210
3/1/14	3/1/14 0855	3/1/14 1656	A230301140855	186	354	030114/1756	69	94	030114/2109	18.0	<MDA	030914/2249
3/1/14	3/1/14 1656	3/2/14 0007	A230301141656	121	213	030214/0107	47	55	030214/0512	17.0	9.0	030914/2249
3/2/14	3/2/14 0007	3/2/14 0825	A230302140007	918	1638	030214/0836	122	218	030214/1155	15.0	<MDA	030914/2251

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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)
3/7/14	3/7/14 1635	3/8/14 0029	A230307141635	257	311	030814/0152	141	146	030814/0348	78.0	16.0	031114/0016
3/8/14	3/8/14 0029	3/8/14 0805	A230308140029	207	289	030814/0955	88	106	030814/2140	39.0	13.0	031114/1138
3/8/14	3/8/4 0805	3/9/14 0020	A230308140805	222	378	030914/0051	89	127	030914/1022	23.0	<MDA	031214/0003
3/9/14	3/9/14 0020	3/9/14 0830	A230309140020	173	300	030914/0951	102	174	030914/1254	12.0	<MDA	031214/0746
3/9/14	3/9/14 0830	3/9/14 1615	A230309140830	120	226	030914/1744	65	93	031014/0232	16.0	<MDA	031214/1549
3/9/14	3/9/14 1615	3/10/14 0010	A230309141615	64	99	031014/0115	32	42	031014/1018	12.0	<MDA	031314/0000
3/10/14	3/10/14 0010	3/10/14 0835	A230310140010	138	276	031014/0954	42	79	031014/1729	10.0	<MDA	031314/0750
3/10/14	3/10/14 0835	3/10/14 1620	A230310140835	210	407	031014/1658	46	75	031114/1032	15.0	<MDA	031314/1531
3/10/14	3/10/14 1620	3/11/14 0030	A230310141620	224	380	031114/0120	65	84	031114/0753	20.0	<MDA	031414/0030
3/11/14	3/11/14 0030	3/11/14 0815	A230311140030	310	496	031114/0918	89	120	031114/1510	17.0	4.3	031414/1100
3/11/14	3/11/14 0815	3/11/14 1600	A230311140815	304	558	031114/1640	64	93	031214/0003	13.0	7.0	031414/1542
3/11/14	3/11/14 1600	3/12/14 0010	A230311141600	233	388	031214/0101	233	388	031214/0743	16.0	<MDA	031514/0743
3/12/14	3/11/14 0010	3/12/14 0820	A230312140010	129	213	031214/0906	49	73	031214/1547	19.0	<MDA	031514/0745
3/12/14	3/12/14 0820	3/12/14 1610	A230312140820	85	253	031214/1653	53	72	031314/0020	14.0	<MDA	031514/1623
3/12/14	3/12/14 1610	3/13/14 0020	A230312141610	124	221	031314/0116	44	82	031314/0750	8.0	<MDA	031614/0025
3/13/14	3/13/14 0020	3/13/14 0830	A230313140020	206	362	031314/0927	66	86	031314/1530	20.0	9.0	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)
3/18/14	3/18/14 1604	3/19/14 0015	A230318141604	147	241	031914/0044	40	51	031914/0804	15.0	<MDA	032214/0843
3/19/14	3/19/14 0015	3/19/14 0840	A2303191400015	83	121	031914/1016	52	62	031914/1600	20.0	5.0	032214/0810
3/19/14	3/19/14 0840	3/19/14 1628	A230319140840	71	119	031914/1628	34	49	032014/0007	8.0	<MDA	032214/1708
3/19/14	3/19/14 1628	3/19/2014 0005	A230319141628	187	325	032014/0042	38	68	032014/0822	9.0	<MDA	032314/2348
3/20/14	3/20/14 0005	3/20/14 0829	A230320140005	92	170	032014/1103	55	104	032014/1532	9.0	4.0	032314/0800
3/20/14	3/20/14 0829	3/20/14 1615	A230320140829	123	220	032014/1710	36	62	032114/0006	9.0	<MDA	032314/1600
3/20/14	3/20/14 1615	3/21/14 0005	A230320141615	206	358	032114/0044	41	69	032114/0758	9.0	<MDA	032314/2344
3/21/14	3/21/14 0005	3/21/14 0800	A230321140005	171	277	032114/0915	50	80	032114/1607	6.0	5.0	032414/0709
3/21/14	3/21/14 0800	3/21/14 1600	A230321140800	423	779	032114/1600	78	151	032214/0010	6.0	9.0	032414/1559
3/21/14	3/21/14 1600	3/22/14 0010	A230321141600	321	588	032214/0045	53	91	032214/0930	9.0	4.8	032414/2338
3/22/14	3/22/14 0010	3/22/14 0840	A230322140010	200	355	032214/0942	72	114	032214/1606	11.0	<MDA	032514/0822
3/22/14	3/22/14 0840	3/22/2014 1620	A230322140840	351	601	032214/1651	71	120	032214/2348	9.0	5.0	032514/1621
3/22/14	3/22/2014 1620	03/23/14 0015	A230322141620	374	715	032314/0015	25	37	032414/0000	6.0	6.0	032614/0000
3/23/14	03/23/14 0015	03/23/14 0830	A230323140015	403	632	032314/0830	120	157	032314/1600	37.0	11.0	032614/0815
3/23/14	3/23/14 0830	3/23/14 1629	A230323140830	513	911	032314/1645	86	140	032414/1558	15.0	4.2	032614/1554
3/23/14	3/23/14 1629	3/24/14 0015	A230323141629	380	668	032414/0119	53	84	032414/1319	7.0	4.2	032714/0000

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Station A, Before the Filtration System

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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	4.0	<MDA	040114/2331
3/30/14	3/30/14 0015	3/30/14 0840	A230330140015	151	285	033014/1012	64	129	033014/1533	5.0	<MDA	040214/0904
3/30/14	3/30/14 0840	3/30/14 1615	A230330140840	365	654	033014/1652	68	110	033114/0000	9.0	<MDA	040214/1546
3/30/14	3/30/14 1615	3/31/14 0035	A230330141615	237	398	033114/0140	61	110	033114/0753	11.0	4.8	040314/0000
3/31/14	3/31/14 0035	3/31/14 0820	A230331140035	252	492	033114/0859	56	106	033114/1543	11.0	<MDA	040314/0801
3/31/14	3/31/14 0820	3/31/14 1620	A230331140820	320	593	033114/1639	50	108	033114/2349	5.0	<MDA	040314/1634
3/31/14	3/31/14 1620	4/1/14 0000	A230331141620	75	129	040114/0146	24	30	040114/0922	7.0	<MDA	040314/2343
4/1/14	4/1/14 0000	4/1/14 0800	A230401140000	81	144	040114/1024	42	70	040114/1612	6.0	4.8	040414/0821
4/1/14	4/1/14 0800	4/1/14 1600	A230401140800	256	416	040114/1646	51	90	040114/2351	10.0	5.0	040414/1614
4/1/14	4/1/14 1600	4/2/14 0020	A230401141600	303	493	040214/0042	53	64	040214/0800	14.0	5.0	040514/0000
4/2/14	4/2/14 0020	4/2/14 0840	A230402140020	356	602	040214/0927	59	100	040214/1546	9.0	<MDA	040514/0814
4/2/14	4/2/14 0840	4/2/14 1625	A230402140840	167	283	040314/1737	60	76	040314/1200	15.0	<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	9.0	6.0	040614/1553

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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)
4/9/14	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	4.0	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	4.0	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	11.0	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	15.0	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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4/19/14	4/19/14 1620	4/20/14 0010	A330419141620	456	759	042014/0036	92	126	042014/0753	38.0	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	17.0	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	3.0	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	4.0	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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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	2.0	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	8.3	8.0	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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5/11/14	5/11/14 0030	5/11/14 0802	A330511140030	434	728	051114/0903	72	127	051114/1552	4.8	6.0	051414/0754
5/11/14	5/11/14 0802	05/11/14 1615	A330511140802	347	615	051114/1647	65	125	051114/1141	2.1	<MDA	051414/1553
5/11/14	5/11/14 1615	5/12/14 0025	A330511141615	246	410	5/12/14/0103	49	83	051114/0804	<MDA	<MDA	051414/2350
5/12/14	5/12/14 0025	5/12/14 0800	A330512140025	163	264	051214/0910	42	78	051214/1701	<MDA	<MDA	051514/0800
5/12/14	5/12/14 0800	5/12/14 1600	A330512140800	162	324	051214/2341	38	72	051214/2341	<MDA	<MDA	051514/1620
5/12/14	5/12/14 1600	5/12/14 0000	A330512141600	314	576	051314/0023	42	77	051314/0813	4.0	3.0	051614/0007
5/13/14	5/13/14 0000	5/13/14 0822	A330513140000	170	292	051314/0918	64	97	051314/1600	2.7	3.6	051614/0805
5/13/14	5/13/14 0822	5/13/14 1600	A330513140822	176	337	051314/1643	43	88	051314/2357	2.4	<MDA	051614/1600
5/13/14	5/13/14 1600	5/14/14 0015	A330513141600	226	399	051414/0042	45	88	051414/0754	6.7	7.0	051714/0000
5/14/14	5/14/14 0015	5/14/14 0805	A330514140015	345	627	051414/0846	82	153	051414/1553	14.2	6.4	051714/0804
5/14/14	5/14/14 0805	5/14/14 1600	A330514140805	318	556	051414/1642	80	132	051514/2350	4.3	4.8	051714/1622
5/14/14	5/14/14 1600	5/15/14 0012	A330514141600	225	360	051514/0114	51	84	051514/0800	8.6	<MDA	051714/2341
5/15/14	5/15/14 0012	5/15/14 0835	A330515140012	520	1008	051514/0853	49	111	051514/1617	3.5	<MDA	051814/1628
5/15/14	5/15/14 0835	5/15/14 1615	A330515140835	339	567	051514/1652	43	86	051614/0008	2.1	<MDA	051814/1642
5/15/14	5/15/14 1615	5/16/14 0005	A330515141615	183	300	051614/0107	49	69	051614/0751	8.0	<MDA	051814/2326
5/16/14	5/16/14 0005	5/16/14 0810	A330516140005	269	435	051614/0929	76	122	051614/1546	4.0	<MDA	051914/0750

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5/30/14	5/30/14 0808	5/31/14 0808	A33053014	671	1202	053114/0838	188	311	053114/1603	38.0	15.0	060314/0757
5/31/14	5/31/14 0808	6/1/14 0805	A33053114	377	728	060114/0921	185	335	060114/1534	18.4	9.8	060414/0742
6/1/14	6/1/14 0805	6/2/14 0830	A33060114	783	1368	060214/0923	221	411	060214/1556	9.6	9.8	060514/0805
6/2/14	6/2/14 0830	6/2/14 1645	A330602140830	1118	1977	060214/1717	155	279	060314/0023	<MDA	<MDA	060614/0925
6/2/14	6/2/14 1645	6/3/14 0810	A330602141645	545	1036	060314/0908	178	348	060314/1603	9.4	<MDA	060614/0756
6/3/14	6/3/14 0810	6/4/14 0818	A33060314	422	871	060414/0925	127	249	060414/1831	3.3	12.8	060714/0802
6/4/14	6/4/14 0818	6/4/14 1815	A33060414	1182	2000	060414/1834	132	215	060514/0238	2.4	3.1	060714/2245
6/4/14	6/4/14 1815	6/5/14 0801	A330604141815	562	1087	060514/0902	124	293	060514/1549	3.3	8.4	060814/0743
6/5/14	6/5/14 0801	6/5/14 1605	A330605140801	949	1778	060514/1625	104	213	060514/2352	3.6	8.4	060814/1629
6/5/14	6/5/14 1605	6/6/14 0000	A330605141605	690	1381	060614/0014	62	133	060614/0756	<MDA	<MDA	060914/0002
6/6/14	6/6/14 0000	6/6/14 0806	A330606140000	394	761	060614/0911	87	192	060614/1555	2.7	6.3	060914/0806
6/6/14	6/6/14 0806	6/6/14 1600	A330606140806	746	1503	060614/1619	81	177	060714/0011	5.8	8.6	060914/1650
6/6/14	6/6/14 1600	6/7/14 0000	A330606141600	786	1514	060714/0024	105	190	060714/0804	6.1	11.5	060914/2341
6/7/14	6/7/14 0000	6/7/14 0805	A330607140000	428	788	060714/0901	98	190	060714/1600	3.6	9.4	061014/0816
6/7/14	6/7/14 0805	6/7/14 1605	A330607140805	802	1457	060714/1623	70	135	060714/2351	2.4	8.4	061014/1643
6/7/14	6/7/14 1605	6/8/14 0000	A330607141605	1152	1977	060814/0023	104	208	060814/0744	3.0	8.2	061114/0002

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MDA = Minimum Detectable Activity

dpm =Disintegrations Per Minute

N/A = Not Analyzed N/P = Not Performed

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)
	06/13/14 0828	06/13/14 1605	A330613140828	1011	1791	061314/1632	107	206	061414/2342	4.0	7.6	061614/1554
	06/13/14 1605	06/14/14 0010	A330613141605	556	1071	061414/0035	91.2	186	061414/0921	‹MDA	‹MDA	061714/0016
	06/14/14 0010	06/14/14 0835	A330614140010	549	1006	061414/0902	100	196	061414/1602	‹MDA	7.0	061714/0814
	06/14/14 0835	06/14/14 1600	A330614140835	807	1548	061414/1614	80.3	149	061414/2358	2.7	9.6	061714/1543
	06/14/14 1600	06/15/14 0010	A330614141000	688	1219	061414/0030	92.8	177	061514/0758	2.4	9.6	061814/0043
	06/15/14 0010	06/15/14 0800	A33061540010	887	1497	061514/0825	104	192	061514/1600	2.1	9.2	061814/0809
	06/15/14 0800	06/15/14 1600	A330615140800	794	1370	061514/1625	103	190	061614/0059	3.0	10.3	061814/1622
	06/15/14 1600	06/16/14 0010	A330615141600	383	680	061614/0100	90	176	061614/0746	1.8	7.5	061914/0014
	06/16/14 0010	06/16/14 0805	A330616140010	261	450	061614/0947	107	203	061414/1554	1.8	6.7	061914/0812
	06/16/14 0805	06/16/14 1610	A330616140805	764	1285	061614/1633	88	183	061714/0016	3.3	10.1	061914/1604
	06/16/14 1610	06/17/14 0005	A330616141610	869	1638	061714/0016	93	174	061714/0800	<MDA	6.7	061914/2351
	06/17/14 0005	06/17/14 0805	A330617140005	388	680	061714/0906	98	197	061714/1544	2.4	7.7	062014/0801
	6/17/14 0805	6/17/14 1600	A330617140805	731	1286	061714/1622	90	164	061814/0043	<MDA	<MDA	062014/1647
	6/17/14 1600	6/18/14 0000	A330617141600	764	1296	061814/0018	81	156	061814/0756	<MDA	5.1	062114/0043
	6/18/14 0000	6/18/14 0757	A330618140000	533	928	061814/0844	90	174	061814/1623	0.9	4.0	062114/0821
	6/18/14 0757	6/18/14 1600	A330618140757	566	1034	061814/1650	108	221	061814/2350	1.2	5.6	062114/1524

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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)
	6/23/14 2359	6/24/14 0825	A330623142359	842	1329	062414/0845	80	165	062414/1637	1.8	10.1	062714/0747
	6/24/14 0825	6/24/14 1600	A330624140825	752	1344	062414/1619	66	152	062514/0015			
	6/24/14 1600	6/25/14 0000	A330624141600	378	721	062514/0015	48	98	062514/1221			
	6/25/14 0000	6/25/14 0800	A330625140000	513	905	062514/0906	116	215	062514/1551			
	6/25/14 0800	6/25/14 1600	A330625140800	834	1425	062514/1622	90	164	062614/0005			
	6/25/14 1600	6/26/14 0000	A330625141600	553	1058	062614/0033	56	111	062614/1723			
	6/26/14 0000	6/26/14 0815	A330626140000	585	1013	062614/0910	119	237	062614/1604			
	6/26/14 0815	6/26/14 1600	A330626140815	506	902	062614/1640	90	184	062714/0013			
	6/26/14 1600	6/27/14 0005	A330626141600	488	902	062714/0020	94	182	062714/0747			
	6/27/14 0005	6/27/14 0810	A330627140005	209	391	062714/0919						

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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)
2/19/14	2/19/14 1627	2/20/14 0035	B130219141627	45	46	022014/0107	25	9	022014/0359	17	<MDA	030614/1730
2/20/14	2/20/14 0035	2/20/14 0852	B130220140035	52	21	022014/1035	38	14	022014/1226	42	8	030614/1730
2/20/14	2/20/14 0852	2/20/14 1654	B130220140852	98	22	022014/1838	101	23	022014/2211	95	17	030614/1730
2/20/14	2/20/14 1654	2/21/14 0038	B130220141654	40	19	022114/0204	33	11	022114/0521	34	9	030614/1730
2/21/14	2/21/14 0038	2/21/14 0820	B130221140038	30	6	022114/1027	27	12	022114/1532	25	5	030614/1757
2/21/14	2/21/14 0820	2/21/14 1600	B130221140820	37	15	022114/1654	41	12	022114/2028	33	5	030614/1730
2/21/14	2/21/14 1600	2/22/14 0019	B130221141600	50	28	022214/0125	42	14	022214/0358	37	12	030614/1730
2/22/14	2/22/14 0019	2/22/14 0810	B130222140019	30	22	022214/0946	19	12	022214/1151	13	<MDA	030614/1730
2/22/14	2/22/14 0810	2/22/14 1615	B130222140810	28	17	022214/1713	22	10	022214/2004	15	<MDA	030614/1730
2/22/14	2/22/14 1615	2/22/14 2356	B130222141615	32	33	022314/0047	22	9	022314/0404	11	<MDA	030614/1757
2/22/14	2/22/14 2356	2/23/14 0810	B130222142356	21	29	022314/0938	19	17	022314/1227	9	<MDA	030614/1811
2/23/14	2/23/14 0810	2/23/14 1605	B130223140810	7	22	022314/1642	17	7	022314/2010	14	<MDA	030614/1757
2/23/14	2/23/14 1605	2/24/14 0015	B130223141605	40	54	022414/0054	19	13	022414/0401	12	<MDA	030614/1811
2/24/14	2/24/14 0015	2/24/14 0846	B130224140015	14	19	022414/1136	14	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)
3/1/14	3/1/14 0915	3/1/14 1620	B130301140915	10	10	030114/1735	4	<MDA	030114/2110	4	<MDA	030614/1825
3/1/14	3/1/14 1620	3/2/14 0045	B130301141620	17	16	030214/0108	9	5	030214/0512	10	9	030614/1825
3/2/14	3/2/14 0045	3/2/14 0850	B130302140045	51	81	030214/0925	19	20	030214/1156	5	<MDA	030914/2323
3/2/14	3/2/14 0850	3/2/14 1630	B130302140850	51	37	030214/1723	34	18	030214/2122	38	7	030914/2326
3/2/14	3/2/14 1630	3/3/14 0106	B130302141630	17	28	030314/0152	7	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	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	6	030314/2103	44	6	030914/2328
3/3/14	3/3/14 1620	3/4/14 0114	B130303141620	22	33	030414/0208	5	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	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	<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	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	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	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

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)
3/10/14	3/10/14 0915	3/10/14 1640	B130310140915	10	19	031014/1658	3	2	031114/1032	<MDA	<MDA	031314/1558
3/10/14	3/10/14 1640	3/11/14 0050	B130310141640	26	45	031114/0132	4	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	10	31114/1511	<MDA	<MDA	031414/1100
3/11/14	3/11/14 0847	3/11/14 1619	B130311140847	13	24	031114/1644	4	<MDA	031214/0003	<MDA	<MDA	031414/1559
3/11/14	3/11/14 1619	3/12/14 0030	B130311141619	75	26	031214/0102	70	10	031214/0743	61	12	031514/0739
3/12/14	3/12/14 0030	3/12/14 0845	B130312140030	26	20	031214/0925	18	8	031214/1545	14	<MDA	031514/0740
3/12/14	3/12/14 0845	3/12/14 1635	B130312140845	10	16	031214/1653	5	8	031314/0010	<MDA	<MDA	031514/1618
3/12/14	3/12/14 1635	3/13/14 0047	B130312141635	19	36	031314/0116	4	6	031314/0750	<MDA	<MDA	031514/2349
3/13/14	3/13/14 0047	3/13/14 0857	B130313140047	17	25	031314/0927	3	5	031314/1535	<MDA	<MDA	031614/0809
3/13/14	3/13/14 0857	3/13/14 1635	B130313140857	24	29	031314/1655	7	5	031414/0010	5	<MDA	031614/1659
3/13/14	3/13/14 1635	3/14/14 0050	B130313141635	20	30	031414/0139	3	2	031414/1103	<MDA	<MDA	031714/0022
3/14/14	3/14/14 0050	3/14/14 0820	B130314140050	15	20	031414/0940	5	7	031414/1533	<MDA	<MDA	031714/0803
3/14/14	3/14/14 0820	3/14/14 1655	B130314140820	11	23	031414/1809	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	<MDA	031514/0742	2.7	<MDA	031814/0017

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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)
3/19/14	3/19/14 1703	3/20/14 0015	B130319141703	29	60	032014/0039	5	8	032014/0816	<MDA	<MDA	032214/2346
3/20/14	3/20/14 0015	3/20/14 0910	B130320140015	8	16	032014/1102	5	7	032014/1525	<MDA	<MDA	032314/0755
3/20/14	3/20/14 0910	3/20/14 1643	B130320140910	15	66	302014/1701	5	6	032114/0006	<MDA	<MDA	032314/1600
3/20/14	3/20/14 1643	3/21/14 0020	B130320141643	33	56	032014/0041	5	7	032114/0831	<MDA	<MDA	032314/2343
3/21/14	3/21/14 0020	3/21/14 0815	B130321140020	42	74	032114/0848	5	9	032114/1606	<MDA	<MDA	032414/0828
3/21/14	3/21/14 0815	3/21/14 1608	B130321140815	26	43	032114/1630	5	9	032114/2341	<MDA	<MDA	032414/1555
3/21/14	3/21/14 1608	3/22/2014 0001	B130321141608	32	61	032214/0039	6	8	032214/0805	<MDA	<MDA	032414/2323
3/22/14	3/22/14 0001	3/22/14 0805	B130322140001	10	26	032214/0942	9	11	032214/1601	<MDA	<MDA	032514/0814
3/22/14	3/22/14 0805	3/22/14 1600	B130322140805	19	5	032214/1647	4	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	8	032314/1600	<MDA	<MDA	032614/0819
3/23/14	3/23/14 0805	3/23/14 1557	B130323140805	19	34	032314/1600	4	7	032414/0000	<MDA	<MDA	032614/1601
3/23/14	3/23/14 1557	3/24/14 0000	B130324141557	29	29	032414/0049	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	12	032414/1550	3.9	8	032714/0800

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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)
3/28/14	3/28/14 1600	3/29/14 0020	B130328141600	16	20	032914/0107	4	5	032914/0743	<MDA	<MDA	033114/2346
3/29/14	3/29/14 0020	3/29/14 0815	B130329140020	20	42	032914/0927	4	14	032914/1534	<MDA	<MDA	040114/0920
3/29/14	3/29/14 0815	3/29/14 1600	B130329140815	15	23	032914/1636	3	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	5	033014/0800	<MDA	<MDA	040114/2351
3/29/14	3/29/14 2345	3/30/14 0810	B130329142345	7	14	033014/1011	5	10	033014/1600	<MDA	<MDA	040214/0806
3/30/14	3/30/14 0810	3/30/14 1603	B130330140810	14	22	033014/1651	3	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	6	033114/0813	1.6	<MDA	040314/0000
3/31/14	3/31/14 0100	3/31/14 0800	B130331140100	22	38	033114/0859	4	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	<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	3	6	040114/0758	<MDA	<MDA	040414/2356
4/2/14	4/2/14 0005	4/2/14 0810	B130402140005	10	29	040214/0917	5	7	040214/1548	<MDA	<MDA	040514/0814

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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)
4/7/14	4/7/14 0010	4/7/14 0800	B130407140010	30	55	040714/0850	4	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	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	4	8	040914/0830	1	<MDA	041114/0007
4/8/14	4/8/14 0015	4/8/14 0800	B130408140015	14	28	040814/0911	3	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	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	5	040914/0744	<MDA	<MDA	041114/2356
4/9/14	4/9/10 0015	4/9/14 0810	B130409140015	12	19	040914/0900	4	8	040914/1615	2.3	<MDA	041214/0745
4/9/14	4/9/14 0810	4/9/14 1625	B130409140810	24	39	040914/1639	4	7	041014/0003	<MDA	<MDA	041214/1546
4/9/14	4/9/14 1625	4/10/14 0020	B130409141625	29	46	041014/0057	3	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	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	5	041114/0000	<MDA	<MDA	041314/1552
4/10/14	4/10/14 1545	4/11/14 0020	B13041014545	40	65	041114/0049	5	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	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)
4/16/14	4/16/14 0850	4/16/14 1612	B130416140850	14	21	041614/1703	4	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	3	<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	5	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	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	8	041814/0845	<MDA	<MDA	042014/2338
4/18/14	4/18/14 0020	4/18/14 0840	B130418140020	21	45	041814/0947	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	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	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	0	041914/1600	<MDA	<MDA	042214/0812
4/19/14	4/19/14 0805	4/19/14 1600	B130419140805	11	20	041914/1645	20	3.1	041914/2352	<MDA	<MDA	042214/1548
4/19/14	4/19/14 1600	4/20/14 0000	B130419141600	15	32	041914/0036	2	0.6	042014/0805	<MDA	<MDA	042314/0006
4/20/14	4/20/14 0000	4/20/14 0800	B130420140000	21	38	042014/0843	3	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	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	4	8.4	042114/0803	<MDA	<MDA	042314/2352

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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)
4/25/14	4/25/14 1630	4/26/14 0030	B130425141630	17	35	042614/0110	3	1	042614/0805	<MDA	<MDA	042914/0013
4/26/14	4/26/14 0030	4/26/14 0805	B130426140030	25	42	042614/0906	3	10.4	042614/1605	<MDA	<MDA	042914/0818
4/26/14	4/26/14 0805	4/26/14 1610	B130426140805	9	13	042614/1652	3	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	<MDA	042714/0800	<MDA	<MDA	043014/0010
4/27/14	4/2714 0010	4/27/14 0807	B130427140010	9	10	042714/0900	1	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	1.6	042714/0024	<MDA	<MDA	043014/1540
4/27/14	4/27/14 1600	4/28/14 0020	B130427141600	7	16	042814/0111	4	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	5.3	042814/1557	<MDA	<MDA	050114/1550
4/28/14	4/28/14 0825	4/28/14 1600	B130428140825	11	16	042814/1708	2	<MDA	042914/0008	<MDA	<MDA	050114/1553
4/28/14	4/28/14 1600	4/29/14 0015	B130428141600	1.6	<MDA	042914/0117	1	<MDA	042914/0750	<MDA	<MDA	050214/0005
4/29/14	4/29/14 0015	4/29/14 0810	B130429140015	4	12	042914/0913	3	<MDA	042914/1554	<MDA	<MDA	050214/00815
4/29/14	4/29/14 0810	4/29/14 1600	B130429140810	9	11	042914/1648	2	<MDA	043014/0010	<MDA	<MDA	050214/1612
4/29/14	4/29/14 1600	4/30/14 0020	B130429141600	14	23	043014/0049	1	<MDA	043014/0752	1.8	<MDA	050214/0021
4/30/14	4/30/14 0020	4/30/14 0800	B130430140020	6	6	043014/0746	3	<MDA	043014/1538	0.8	<MDA	050314/0811

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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)
5/5/14	5/5/14 0000	5/5/14 0845	B130505140000	19	31	050514/0943	2	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	1	<MDA	050614/0006	<MDA	<MDA	050814/1613
5/5/14	5/5/14 1625	5/6/14 0000	B130505141625	16	30	050614/0049	2	1.2	050614/0755	1.1	1.8	050914/0006
5/6/14	5/6/14 0000	5/6/14 0830	B130506140000	27	41	050614/0903	3	1.8	050614/1600	<MDA	<MDA	050914/0805
5/6/14	5/6/14 0830	5/6/14 1600	B130506140830	7	12	050614/1649	2	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	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	3	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	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	2	050814/0808	<MDA	<MDA	051014/2250
5/8/14	5/8/14 0020	5/8/14 0840	B130508140020	12	18	050814/0942	3	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	1	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	21	050914/0810	1.3	2	051114/1147
5/9/14	5/9/14 0030	5/9/14 0840	B130509140030	11	21	050914/0940	6	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	1.8	050914/2321	1.3	<MDA	051214/1705

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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)
5/14/14	5/14/14 0810	5/14/14 1610	B130514140810	11	18	051414/1643	2	2.7	051414/2350	<MDA	<MDA	051714/1623
5/14/14	5/14/14 1610	5/15/14 0055	B130514141610	16	34	051514/0114	2	2	051514/0801	<MDA	<MDA	051714/2342
5/15/14	5/15/14 0055	5/15/14 0810	B130515140055	14	23	051514/0852	2	3.1	051514/1619	<MDA	<MDA	051814/1629
5/15/14	5/15/14 0810	5/15/14 1600	B130515140810	8	10	051514/1652	1	3.3	051514/0005	<MDA	<MDA	051814/1643
5/15/14	5/15/14 1600	5/16/14 0028	B130515141600	9	18	051614/0105	4	11.8	051614/0752	<MDA	<MDA	051814/2326
5/16/14	5/16/14 0028	5/16/14 0830	B130516140028	16	25	051614/0927	3	5.1	051614/1546	<MDA	<MDA	051914/0750
5/16/14	5/16/14 0830	5/16/14 1620	B130516140830	10	21	051614/1701	4	7.84	051714/0003	<MDA	<MDA	051914/1604
5/16/14	5/16/14 1620	5/17/14 0020	B130516141620	18	41	051714/0040	3	1.6	051714/0749	<MDA	<MDA	051914/2342
5/17/14	5/17/14 0020	5/17/14 0805	B130517140020	17	28	051714/0852	4	5.7	051714/1609	<MDA	<MDA	052014/0917
5/17/14	5/17/14 0805	5/18/14 0750	B13051714	27	50	051814/0826	4	7.3	051814/1657	<MDA	<MDA	052114/0749
5/18/14	5/18/14 0750	5/19/14 0821	B13051814	13	28	051914/0915	4	6.5	051914/1605	<MDA	<MDA	052214/0801
5/19/14	5/19/14 0821	5/20/14 0845	B13051914	9	24	052014/0953	4	5.9	052014/1551	0.8	<MDA	052314/0807
5/20/14	5/20/14 0845	5/21/14 0821	B13052014	19	29	052114/0848	4	3.1	052114/1604	<MDA	<MDA	052414/0802
5/21/14	5/21/14 0821	5/22/14 0825	B13052114	13	30	052214/0852	3	7.1	052214/1557	<MDA	<MDA	052514/0823

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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)
6/2/14	6/2/14 0810	6/3/14 0830	B130602140810	203	384	060314/0911	178	348	060314/1603	4.4	<MDA	060614/0751
6/3/14	6/3/14 0830	6/4/14 0843	B13060314	195	380	060414/0925	58	106	060414/1830	<MDA	<MDA	060914/1042
6/4/14	6/4/14 0843	6/5/14 0818	B13060414	202	370	060514/0902	61	127	060514/1548	5.8	<MDA	060814/0737
6/5/14	6/5/14 0818	6/6/14 0821	B13060514	204	348	060614/0902	72	126	060614/1555	<MDA	<MDA	060914/0759
6/6/14	6/6/14 0821	6/7/14 0830	B13060614	182	326	060714/0857	54	103	060714/1600	6.01	1.37	061014/0835
6/7/14	6/7/14 0830	6/8/14 0822	B13060714	87	146	060814/0930	37	69	060814/1624	<MDA	<MDA	061114/0817
6/8/14	6/8/14 0822	6/9/14 0810	B13060814	109	186	060914/0918	38	72	060914/1643	4.4	5.7	061214/0755
6/9/14	6/9/14 0810	6/10/14 0825	B13060914	76	139	061014/1153	61	105	061114/1618	1.5	<MDA	061314/0817
6/10/14	6/10/14 0825	6/11/14 0826	B13061014	185	320	061114/0952	72	128	061114/1611	1.3	3.7	061414/0922
6/11/14	6/11/14 0826	6/12/14 0814	B13061114	219	403	061214/0959	131	221	061214/1611	3.1	5.9	061514/0754
6/12/14	6/12/14 0814	06/13/14 0807	B13061214	168	317	061314/0932	69	140	061314/1548	1.8	1.6	061614/0748
6/13/14	06/13/14 0807	06/14/14 0820	B13061314	174	316	061414/0902	48	84	061414/1544	<MDA	4	061714/0755
6/14/14	06/14/14 0820	6/15/2014 0745	B13061414	410	761	061514/0821	95	176	061514/1557	2.1	<MDA	061814/0750
6/15/14	6/15/14 0745	06/16/14 0817	B13061514	178	332	061614/0943	87	147	061614/1552	<MDA	4.7	061914/0815

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Environmental Monitoring & Hydrology Airborne Particulates Sampling

6/27/2014 - 10:00 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-239 (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

6/27/2014 - 10:00 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

6/27/2014 - 10:00 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	---	---	Below MDC	Below MDC	Below MDC	562.80	N/A	N/A	N/A
WIPP Far Field (WFF) co-located	AL-WFF-20140422-2.2	04/29/2014	---	---	Below MDC	Below MDC	Below MDC	577.01	N/A	N/A	N/A
WIPP East (WEE)	AL-WEE-20140422-1.1	04/29/2014	---	---	Below MDC	Below MDC	Below MDC	568.83	N/A	N/A	N/A
WIPP South (WSS)	AL-WSS-20140422-1.1	04/29/2014	---	---	Below MDC	Below MDC	Below MDC	579.86	N/A	N/A	N/A
Mills Ranch (MLR)	AL-MLR-20140422-1.1	04/29/2014	---	---	Below MDC	Below MDC	Below MDC	579.51	N/A	N/A	N/A
Carlsbad (CBD)	AL-CBD-20140422-1.2	04/29/2014	---	---	Below MDC	Below MDC	Below MDC	553.41	N/A	N/A	N/A
Carlsbad (CBD) co-located sample	AL-CBD-20140422-2.2	04/29/2014	---	---	Below MDC	Below MDC	Below MDC	561.97	N/A	N/A	N/A
Smith Ranch (SMR)	AL-SMR-20140422-1.1	04/29/2014	---	---	Below MDC	Below MDC	Below MDC	563.91	N/A	N/A	N/A
Southeast Control (SEC)	AL-SEC-20140422-1.1	04/29/2014	---	---	Below MDC	Below MDC	Below MDC	585.19	N/A	N/A	N/A
Meteorology Tower Building (MET)†	AL-MET-20140422-1.1	04/29/2014	---	---	Below MDC	Below MDC	Below MDC	568.49	N/A	N/A	N/A
Salt Hoist (SLT)†	AL-SLT-20140422-1.1	04/29/2014	---	---	Below MDC	Below MDC	Below MDC	568.66	N/A	N/A	N/A
Southeast of Training Building (STB)†	AL-STB-20140422-1.1	04/29/2014	---	---	Below MDC	Below MDC	Below MDC	578.00	N/A	N/A	N/A
Guard and Security Building (GSB)‡	AL-GSB-20140422-1.1	04/29/2014	---	---	Below MDC	Below MDC	Below MDC	568.66	N/A	N/A	N/A
Artesia (ART)§	AL-ART-20140422-1.1	04/29/2014	---	---	Below MDC	Below MDC	Below MDC	565.16	N/A	N/A	N/A
Eunice (EUN)§	AL-EUN-20140422-1.1	04/29/2014	---	---	Below MDC	Below MDC	Below MDC	575.54	N/A	N/A	N/A
Hobbs (HBS)§	AL-HBS-20140422-1.1	04/29/2014	---	---	Below MDC	Below MDC	Below MDC	546.07	N/A	N/A	N/A
Loving (LVG)§	AL-LVG-20140422-1.1	04/29/2014	---	---	Below MDC	Below MDC	Below MDC	568.76	N/A	N/A	N/A
WIPP Far Field (WFF)	AL-WFF-20140429-1.2	05/06/2014	---	---	Below MDC	Below MDC	Below MDC	529.31	N/A	N/A	N/A
WIPP Far Field (WFF) co-located	AL-WFF-20140429-2.2	05/06/2014	---	---	Below MDC	Below MDC	Below MDC	558.25	N/A	N/A	N/A
WIPP East (WEE)	AL-WEE-20140429-1.1	05/06/2014	---	---	Below MDC	Below MDC	Below MDC	545.23	N/A	N/A	N/A
WIPP South (WSS)	AL-WSS-20140429-1.1	05/06/2014	---	---	Below MDC	Below MDC	Below MDC	550.04	N/A	N/A	N/A
Mills Ranch (MLR)	AL-MLR-20140429-1.1	05/06/2014	---	---	Below MDC	Below MDC	Below MDC	547.16	N/A	N/A	N/A
Carlsbad (CBD)	AL-CBD-20140429-1.2	05/06/2014	---	---	Below MDC	Below MDC	Below MDC	545.18	N/A	N/A	N/A
Carlsbad (CBD) co-located sample	AL-CBD-20140429-2.2	05/06/2014	---	---	Below MDC	Below MDC	Below MDC	553.74	N/A	N/A	N/A
Smith Ranch (SMR)	AL-SMR-20140429-1.1	05/06/2014	---	---	Below MDC	Below MDC	Below MDC	562.01	N/A	N/A	N/A
Southeast Control (SEC)	AL-SEC-20140429-1.1	05/06/2014	---	---	Below MDC	Below MDC	Below MDC	551.54	N/A	N/A	N/A
Meteorology Tower Building (MET)†	AL-MET-20140429-1.1	05/06/2014	---	---	Below MDC	Below MDC	Below MDC	531.22	N/A	N/A	N/A

Environmental Monitoring & Hydrology Airborne Particulates Sampling

6/27/2014 - 10:00 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)	EE-WEE-20140513-1.2	05/20/2014	---	---	Below MDC	Below MDC	Below MDC	549.92	N/A	N/A	N/A
WIPP East (WEE) co-located	EE-WEE-20140513-2.2	05/20/2014	---	---	Below MDC	Below MDC	Below MDC	538.75	N/A	N/A	N/A
WIPP South (WSS)	EE-WSS-20140513-1.1	05/20/2014	---	---	Below MDC	Below MDC	Below MDC	533.61	N/A	N/A	N/A
Mills Ranch (MLR)	EE-MLR-20140513-1.1	05/20/2014	---	---	Below MDC	Below MDC	Below MDC	531.12	N/A	N/A	N/A
Carlsbad (CBD)	EE-CBD-20140513-1.1	05/20/2014	---	---	Below MDC	Below MDC	Below MDC	536.61	N/A	N/A	N/A
Smith Ranch (SMR)	EE-SMR-20140513-1.1	05/20/2014	---	---	Below MDC	Below MDC	Below MDC	538.04	N/A	N/A	N/A
Southeast Control (SEC)	EE-SEC-20140513-1.1	05/20/2014	---	---	Below MDC	Below MDC	Below MDC	538.80	N/A	N/A	N/A
Meteorology Tower Building (MET)†	EE-MET-20140513-1.1	05/20/2014	---	---	Below MDC	Below MDC	Below MDC	535.96	N/A	N/A	N/A
Salt Hoist (SLT)†	EE-SLT-20140513-1.1	05/20/2014	---	---	Below MDC	Below MDC	Below MDC	534.47	N/A	N/A	N/A
Southeast of Training Building (STB)†	EE-STB-20140513-1.1	05/20/2014	---	---	Below MDC	Below MDC	Below MDC	523.59	N/A	N/A	N/A
Guard and Security Building (GSB)‡	EE-GSB-20140513-1.1	05/20/2014	---	---	Below MDC	Below MDC	Below MDC	615.99	N/A	N/A	N/A
Artesia (ART)§	EE-ART-20140513-1.1	05/20/2014	---	---	Below MDC	Below MDC	Below MDC	550.88	N/A	N/A	N/A
Eunice (EUN)§	EE-EUN-20140513-1.1	05/20/2014	---	---	Below MDC	Below MDC	Below MDC	543.96	N/A	N/A	N/A
Hobbs (HBS)§	EE-HBS-20140513-1.1	05/20/2014	---	---	Below MDC	Below MDC	Below MDC	543.32	N/A	N/A	N/A
Loving (LVG)§	EE-LVG-20140513-1.1	05/20/2014	---	---	Below MDC	Below MDC	Below MDC	551.43	N/A	N/A	N/A
WIPP Far Field (WFF)	EE-WFF-20140520-1.2	05/27/2014	---	---	Below MDC	Below MDC	Below MDC	561.11	N/A	N/A	N/A
WIPP Far Field (WFF) co-located	EE-WFF-20140520-2.2	05/27/2014	---	---	Below MDC	Below MDC	Below MDC	563.98	N/A	N/A	N/A
WIPP East (WEE)	EE-WEE-20140520-1.2	05/27/2014	---	---	Below MDC	Below MDC	Below MDC	554.27	N/A	N/A	N/A
WIPP East (WEE) co-located	EE-WEE-20140520-2.2	05/27/2014	---	---	Below MDC	Below MDC	Below MDC	574.17	N/A	N/A	N/A
WIPP South (WSS)	EE-WSS-20140520-1.1	05/27/2014	---	---	Below MDC	Below MDC	Below MDC	581.24	N/A	N/A	N/A
Mills Ranch (MLR)	EE-MLR-20140520-1.1	05/27/2014	---	---	Below MDC	Below MDC	Below MDC	588.39	N/A	N/A	N/A
Carlsbad (CBD)	EE-CBD-20140520-1.1	05/27/2014	---	---	Below MDC	Below MDC	Below MDC	567.33	N/A	N/A	N/A
Smith Ranch (SMR)	EE-SMR-20140520-1.1	05/27/2014	---	---	Below MDC	Below MDC	Below MDC	591.14	N/A	N/A	N/A
Southeast Control (SEC)	EE-SEC-20140520-1.1	05/27/2014	---	---	Below MDC	Below MDC	Below MDC	572.23	N/A	N/A	N/A
Meteorology Tower Building (MET)†	EE-MET-20140520-1.1	05/27/2014	---	---	Below MDC	Below MDC	Below MDC	581.84	N/A	N/A	N/A
Salt Hoist (SLT)†	EE-SLT-20140520-1.1	05/27/2014	---	---	Below MDC	Below MDC	Below MDC	585.19	N/A	N/A	N/A
Southeast of Training Building (STB)†	EE-STB-20140520-1.1	05/27/2014	---	---	Below MDC	Below MDC	Below MDC	574.34	N/A	N/A	N/A

Environmental Monitoring & Hydrology Airborne Particulates Sampling

6/27/2014 - 10:00 AM

Location	Sample ID Number	Sample Date	ISOLD Spectrum Analysis Gross α β Preliminary (Dpm/ml)	WIPP Lab Gross α (pCi/ml)	WIPP Lab Radiochemistry Am-241 (fg/m³)	WIPP Lab Radiochemistry Pu-238 (fg/m³)	WIPP Lab Radiochemistry Pu-239/240 (fg/m³)	Air Flow Volume (m³)	WIPP Lab Radiochemistry Am-241 (fg/m³)	WIPP Lab Radiochemistry Pu-238 (fg/m³)	WIPP Lab Radiochemistry Pu-239/240 (fg/m³)

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

Sample of Opportunity (Dupe)†	WS-SOO-20140609-4.6	6/9/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140609-5.6	6/9/2014	Below MDC	Below MDC	Below MDC
Blank	WS-SOO-20140609-6.6	6/9/2014	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): 4.34E-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 Biota Sampling - Fauna

6/27/2014 - 10:00 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	Below MDC	Below MDC	Below MDC

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

MDCs are:

MDC Am-241 (dpm/g): 2.41E-02

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

MDC Pu-239/240 (dpm/g): 8.63E-03

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

6/27/2014 - 10:00 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
Mills Ranch Surface Sample (0-2 cm)	SS-MLR-20140515-1.2	5/15/2014	Below MDC	Below MDC	Below MDC
Mills Ranch Surface Sample (0-2 cm) (Duplicate)‡	SS-MLR-20140515-2.2	5/15/2014	Below MDC	Below MDC	2.38E-02

* 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.

‡ The detection in this sample is within the range of historical results for this location.

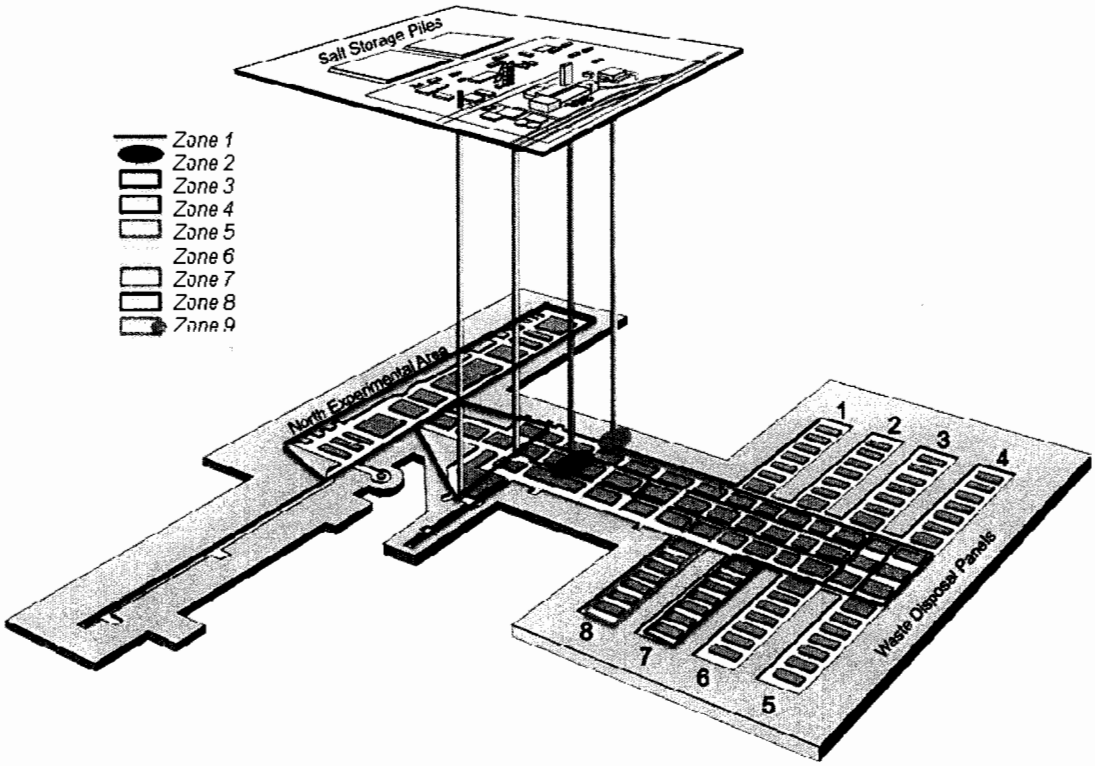
Note: Radionuclides are considered detected in an environmental sample if the measured concentration or activity is greater than the minimum detectable concentration (MDC) and greater than the total propagated uncertainty (TPU) at the 2 sigma (σ) TPU level. To show a non-detect "Below MDC" is used in 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



Zone	Description	Radiological Contamination
Zone 1	E-140 and W-30 drifts from salt hoist to S-3080	Uncontaminated
Zone 2	Area around the waste shaft station including sumps	Uncontaminated
Zone 3	Drifts from S-400 to N-1100 including maintenance area	Uncontaminated
Zone 4	Experimental areas including NEXA, EXO, SDI	Uncontaminated
Zone 5	Panel 8	Uncontaminated
Zone 6	Other uncontaminated areas (e.g., panel entry drifts)	Uncontaminated
Zone 7	Panel 7 including rooms 1 to 7 and the exhaust drifts	Contaminated
Zone 8	Contaminated areas at the south end of the mine with boundaries defined by characterization	Contaminated
Zone 9	The exhaust drift and exhaust shaft	Contaminated

Figure 7 Zones. *We will manage activities using 6 uncontaminated zones and 3 contaminated zones; final zone selection will be based on characterization.*