

Allen, Pam, NMENV

From: Maestas, Ricardo, NMENV
Sent: Wednesday, August 13, 2014 8:50 AM
To: Allen, Pam, NMENV
Subject: FW: WIPP Information - For Call Today
Attachments: WIPP Bioassay Summary 4 Apr 14 Final.docx; 41-b-856 WHT dp Daily Averages_4-3-14.pdf; 41-b-857 WHT dp Daily Averages_4-3-14.pdf; 1300 Meeting Action Items 040314.xlsx; Station A and B Filter Readings for Public Release 4-3-14.xlsx; Environmental Sampling 2014-04-03 1230_dg.xlsx

April

From: Kliphuis, Trais, NMENV
Sent: Friday, April 04, 2014 1:29 PM
To: Flynn, Ryan, NMENV; Kendall, Jeff, NMENV
Cc: Tongate, Butch, NMENV; Winchester, Jim, NMENV; Blaine, Tom, NMENV; Schwender, Erika, NMENV; Skibitski, Thomas, NMENV; Kieling, John, NMENV; LucasKamat, Susan, NMENV; Maestas, Ricardo, NMENV; Holmes, Steve, NMENV; Nelson, Morgan, NMENV; Ines Triay (trayin@fiu.edu)
Subject: FW: WIPP Information - For Call Today

NMED Notes in blue

From: Oba Vincent [<mailto:oba.vincent@cbfo.doe.gov>]
Sent: Friday, April 04, 2014 11:32 AM; 'Kouba, Steve - WRES (Steve.Kouba@wipp.ws)'; Roger Nelson - WIPPNet
Subject: WIPP Information - For Call Today

Attached is the action item listing, station A/B data, environmental samples tables, bioassay summary sheet and filter status graphs for today's call.

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

- Work has been paused on installation of the vacuum break in the duct; questions are being addressed dealing with design specifications. (No change)
- Plans are underway to begin cleaning the soot from the fire out of the waste shaft tower. This could begin as early as next week and may take several months. (No change)
- Station A and B Sampling: A CAM was installed at Station B and is operating. The CAM will be operated until 4/7 in a test mode prior to allowing a phased repopulation of the site. The set point for the CAM is under discussion. When a proposed level is agreed on, it will be shared. (No change)
- SS and AIS Shaft/Rope Inspections: The SS was inspected yesterday. No issues or concerns were identified.
- Initial Manned Re-entry of U/G: Work completed
- Today - Establishment of Work Area in the Underground (Phase 2b, Activity 2): Follow-on manned entries will be made in the underground down to S1600 to establish staging areas, decontamination areas, set-up CAMs, test communication and safety equipment. These entries were initiated this morning. Around 9:45 were ready to go down for about 3 hours - should be wrapped up soon. Will send summary this afternoon.
- Contamination survey to the waste face (Phase 3): After the area between the shafts is surveyed, a team will enter the mine, perform initial characterization and attempt to identify the contamination source and location.

The review of site Safety Management Plans and the implementation of compensatory measures to address critical weaknesses identified in the AIB reports is ongoing. NWP will submit the nuclear safety documentation to DOE Saturday evening – May slip until Monday, DOE needs to review and sign off on. (No change)

- Replacement HEPA filters are due to arrive starting this week. (No change) Mod filter is getting close to 2.0 when it will trigger an alarm. Need to be changed soon. If > 2.0 can't go underground. Have three sets of mod filters on hand. Will be hot and will need containment and bubble suits to change. Target to change is at 2.5. One is a 1.4. Will take about 12 days to change. Big meeting on Monday with experts about this.
- Shipments of TRU waste from LANL to WCS are continuing. 10 shipments scheduled for next week. ICLN will be updated weekly.
- 71 letters were mailed (91 prepared) to individuals that had "no measurable Am or Pu activity". An additional 20 letters were prepared and phone calls were initiated to advise them that "although a sample contained trace amounts of americium and/or plutonium, the calculated committed effective dose is less than 10 mrem. No follow-up is required and no dose is assigned. There are no restrictions". The maximum dose was 7.9 mrem. 18 of the 20 calculated doses were less than 4 mrem. 8 of the 20 individuals have been contacted. REAC/TS staff have been contacted and will be on site next week to review the program and calculations. Three urine samples were recounted and results came back less than the DL. That reduces the number of individuals with positive results to 23. A bioassay data summary sheet is attached. Director of REACT will be in Carlsbad next week to give information. 23 total with positive results. 14 had highest potential (working at time of event or taking Station A samples) Joe Franco will be making call to Sec Flynn to discuss bioassay results.
- NWP has provided a recommendation to DOE regarding the salt sales, which is being reviewed. (No change)
- Working on answering Don Hancock's questions. Will likely have to go under legal review...may take more time.
- UG CAMS need to be read. Will get data today. Makes a chart. (I-Cams) Not sure of frequency. Will get back to us with more info.
- Tom Peake – Next week WPA will be looking at Station B monitoring, identifying airflow from that exhaust. Where does it go in Nearfield? Two Station B monitors (CAM and Filter)
- EPA sent Inspection Letter Notice to DOE/NWP today. Inspecting next week.
- No calls this weekend. No activity this weekend other than paperwork. Sunday is "down day".

As a reminder, the call-in number is (866) 723-6758, code 8040901#

Thanks

Oba

WIPP Bioassay Summary

4 April 2014

Background:

- During the event, on the graveyard shift 2/14 thru 2/15: 11 workers were at the facility.
- Three (3) individuals came in to collect filters from Station A air monitor after the release.
- On 2/15, 139 other NWP employees, DOE staff, AIB members and contractors were at the site.
- These 153 individuals have been identified with a potential to be exposed.

Sample Collection:

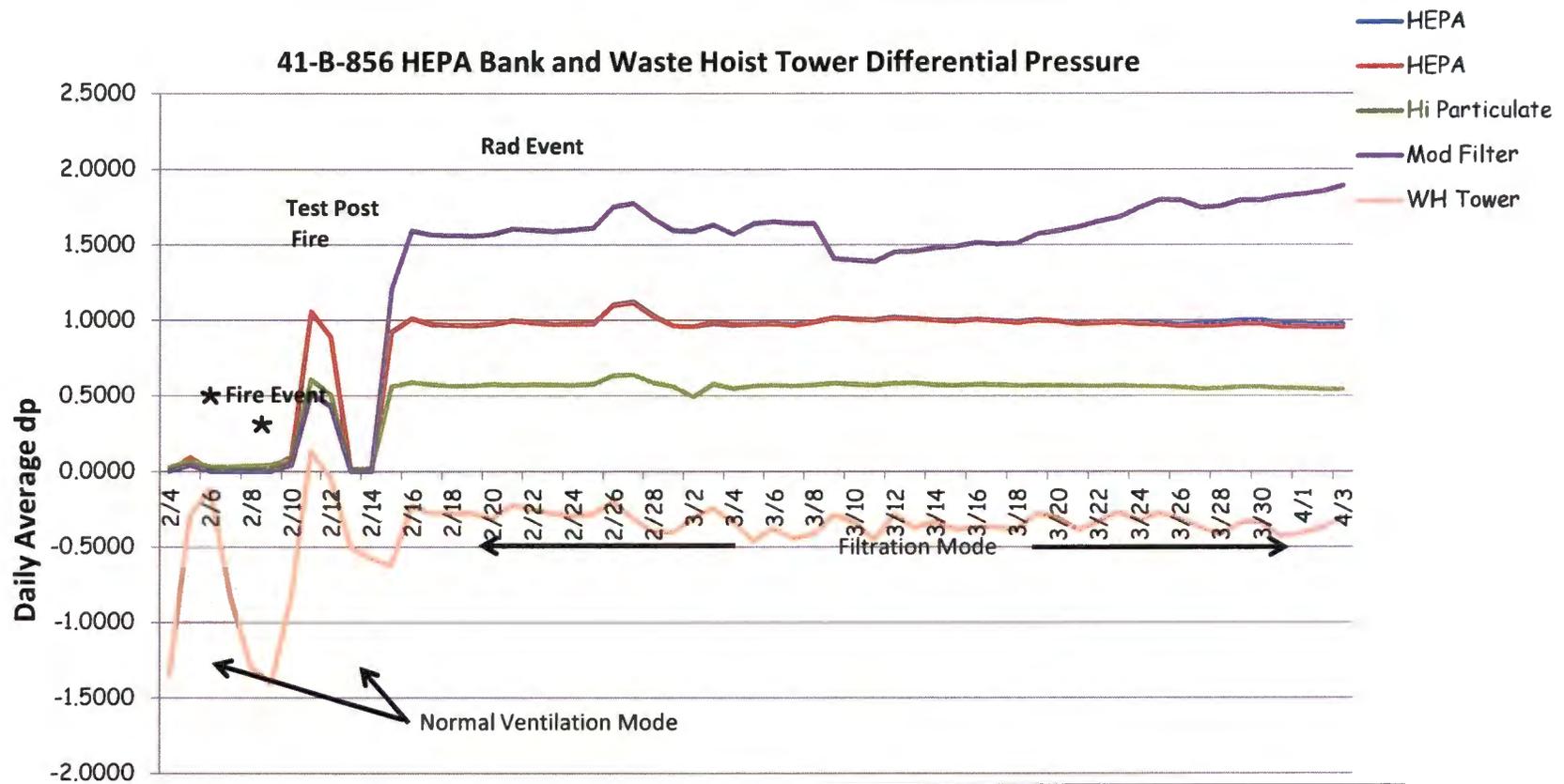
- All 153 staff were contacted and asked to participate in the bioassay program and requested/provided the option to provide samples or receive a whole body count. Additionally all site employees were offered the opportunity to participate if they wished:
 - Fecal Samples – measures amount ingested: 28 individuals provided samples all of which also provided urine samples
 - Urine Samples – measures amount absorbed into the bloodstream from the lungs and excreted through the kidneys: 121 individuals provided (or have been requested to provide) at least one sample (4 samples have yet to be submitted and 4 resamples have yet to be submitted)
 - Whole Body Counting (WBC)- measures amount residing in the lungs: 99 individuals have completed or are scheduled for WBC (43 pending)
- 27 Individuals declined to participate and provided written documentation. (All of the 14 (11+3) individuals with the highest likelihood of exposure did participate.)
- 23 others who were not at the site on the 15th of Feb chose to participate in the program.
- A total of 149 individuals are participating in the program.

Results:

- 21 Positive fecal samples were obtained
 - 4 of these were above the Decision Limit (DL) but below the Minimum Detectable Activity/ Minimum Detectable Concentration (MDA/MDC) 1 sample is still pending recount
- 2 Positive initial urine samples were obtained (was 5 on 4/3 but 3 recounts came back <DL)
 - All of these were above the DL but below the MDA/MDC
 - A positive second urine sample was collected for an employee with positive fecal sample
- No positive WBCs were observed

Reporting:

- Twenty dose calculations have been performed to date and personnel are being contacted. All 20 were less than the recordable level of 10 mrem. The highest calculated dose was 7.9 mrem (18/20 were less than 4 mrem).
- 71 notification letters were mailed to individuals whose total bioassay results were less than DL.



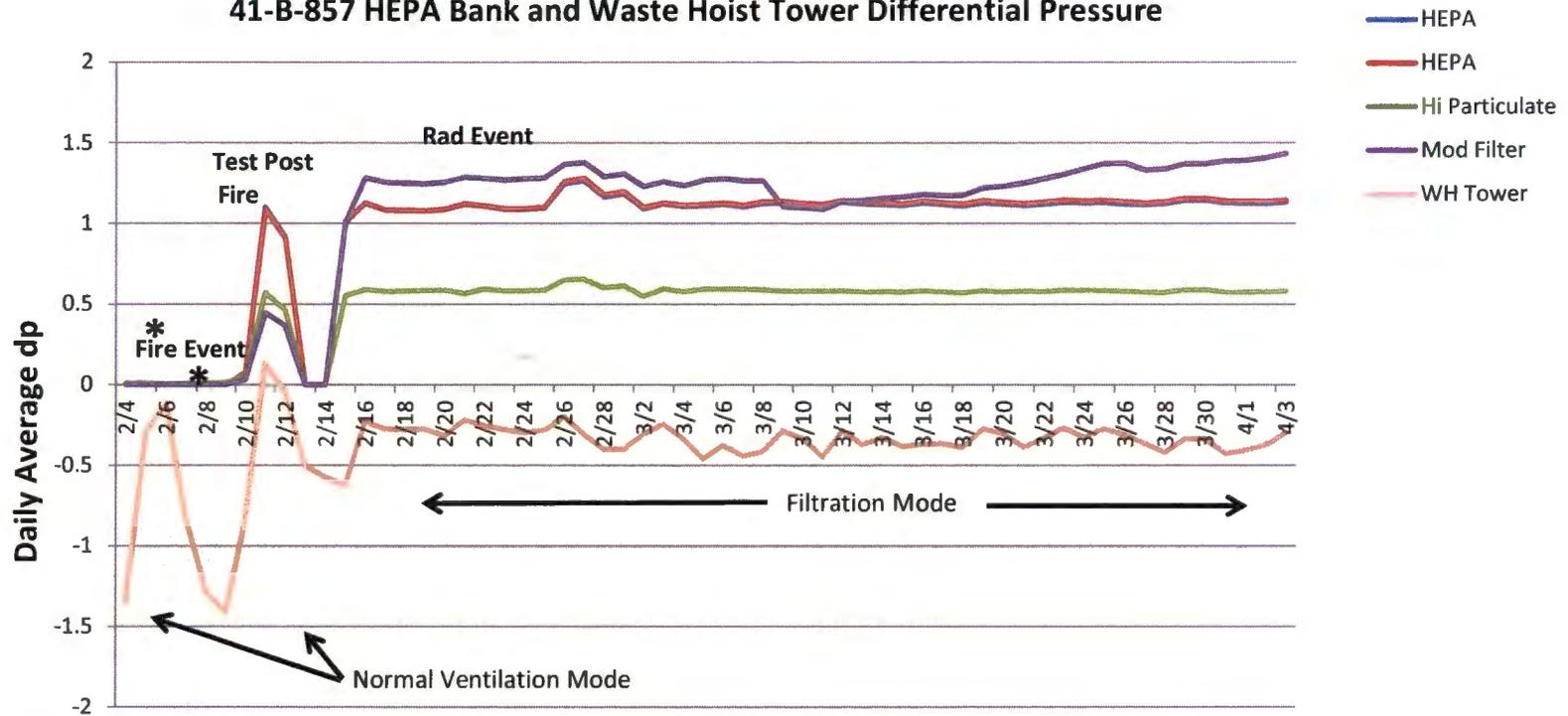
Prior to 2/5/2014 (2/3 @ 0200-0215)

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 Positive dp (Avg) + 0.308 (Duration 13 hrs)
 2/6 Positive dp (AVg) + 0.200 (Duration 14 hrs)

41-B-857 HEPA Bank and Waste Hoist Tower Differential Pressure



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 Positive dp (Avg) + 0.308 (Duration 13 hrs)
 2/6 Positive dp (AVg) + 0.200 (Duration 14 hrs)

WIPP RECOVERY 1:00 DAILY MEETING ACTION LIST

Revised 4/3/2014 pm

	A	B	C	D	E	F
1	Date Identified	Requestor	Action	Responsible Person	Due Date	Status
2	03/18/14	Nick Stone	Provide latitude/longitude data on the location of the Station B CAM	Stewart Jones	To Oba for transmittal to Nick Stone	Closed. - Station A – 32.371621, - 103.791727 and Station B – 32.372154, - 103.791562
3	03/18/14	Trais Kliphuis	List of waste (by waste stream) that can and cannot go to WCS.	Oba Vincent/ Farok	Ongoing	Closed. The initial list of containers was provided on 3/28 and posted. The plan is to start shipping on 4/1. Additional container lists will be provided as they become available.
4	03/18/14	Trais Kliphuis	Copy of any audit or surveillance report of WCS. What we have is a Qualified Supplier's List "review".	Berry Pace	Before 3/19, 1:00 meeting	Closed. Provided on 3/19.
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. Trais wants adequate information to assure NMED can perform its due diligence as to why this is not an issue with the permit (see new action below).
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.
7	03/18/14	Trais Kliphuis	Copy of the WCS letter contract with NWP.	Oba Vincent	Before 3/19, 1:00 meeting	Closed. Formal contract will contain more details.

WIPP RECOVERY 1:00 DAILY MEETING ACTION LIST

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	A	B	C	D	E	F
8	03/18/14	Trais Kliphuis	Detail about validity of initial NM Tech seismic data and some instruments not working.	Stewart Jones, Rey Carrasco	Before 3/19, 1:00 meeting	Closed. Data available from WIPP instruments. NM Tech instruments were operating but the communication link between instruments and data recorer was down.
9	03/18/14	Multiple	Define parameters for maps and data generated by different groups to assure data can be compared. This includes items such as map coordinate system, units, etc.	Oba Vincent, Scott Kennedy and Stewart Jones	3/26/2014	Closed. A table of monitoring equipment has been prepared that includes: low-volume samplers, fixed air samplers (FAS), continuous air monitors (CAM) and 7 monitoring instruments that the Recovery Team will carry during their re-entry. GPS coordinates will be added to the map.
10	Unknown	Trais Kliphuis	Listing of VOC results in the Bay Area.	Stewart Jones/Oba		Closed. Provide "all" VOC data above and below ground. Includes samples collected on the surface that have yet to be analyzed.
11	03/19/14	Trais Kliphuis	Station A filter data during the fire.	Stewart Jones	3/21/2014	Closed. CEMRC's actinide and ambient air data has been posted to the web.
12	03/19/14	Trais Kliphuis	An analysis of the cancer risk after the release.	Oba	3/28/2014	Closed. Transmitted 3/26/14.
13	03/19/14	Nick Stone	EPA needs to be certain that they understand the comprehensive monitoring program before NWP does the first re-entry.	?	tbd	Closed.

WIPP RECOVERY 1:00 DAILY MEETING ACTION LIST

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	A	B	C	D	E	F
14	03/19/14	Nick Stone	EPA requested the calculated dose from the release to the maximum exposed individual to evaluate the WIPP radionuclides discharge monitoring process/system against the discharge monitoring requirements in the NESHAP regulations.	tbd	tbd	Closed. EPA requested a paper be provided that explains how potential emissions will be monitored, primarily related to worker re-entry activities stirring up and resuspending contaminants. EPA stated that 40 CFR 60 Subpart H does not apply to WIPP (see item 9).
15	03/19/14	Nick Stone	Install EPA monitors even if they are duplicative of existing State and DOE monitors. EPA will communicate any funding needs to the DOE.	?	tbd	This is based on NM Congressional pressure. Waiting to hear if EPA needs funding. EPA will locate 4 samplers at 3 locations (Rar Field [2], East and South). Estimated cost \$25,000.
16	03/19/14	Nick Stone	Provide draft Re-Entry Plan to EPA Region 6.	Oba	3/19/2014	Closed. Posted on web on 3/19.
17	03/20/14	Trais Kliphuis	Request for an update to the 2/26 Re-entry Plan.	Scott/Oba	3/24/2014	Re-opened. Oba has provide Phase 2a and 2b plans. Updates will be distributed as available.

WIPP RECOVERY 1:00 DAILY MEETING ACTION LIST

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	A	B	C	D	E	F
18	03/20/14	Kathy Economy	Based on AIB Truck Fire report, what is the timeframe when a bulkhead door that had been wired shut and a closed regulator (stuck open) were returned to normal - sometimes on 2/14.	Scott Kennedy	3/25/2014	<p>Regulator 308: Regulator 308 was adjusted to 1/3 open on 2/6 by Mine Rescue. In Phase 2B entry - within a couple of weeks we'll be putting 308 in auto so we can manage from CMR/ surface ops. In auto - this can be remotely opened/closed from CMR.</p> <p>Regulator 707: Was closed prior to the 14th rad event. The system will go to filtration with or without this regulator closed. Desired position - in filtration - is closed.</p> <p>Bulkhead 401: Was opened on 2/6 and chained open. It was closed on 2/5, in a measure to reduce airflow from AIS to the scene of fire.</p> <p>Oba will discuss "Pressure Change" graph with Kathy, especially with regard to timeframes of certain actions.</p>
19	03/20/14	Jonathan Walsh	Requested a map showing location of addition monitors.	Stewart	tbd	Closed.
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	3/26/2014	Re-opened. RES and NMED met 4/1. A path forward to address response to ventilation questions was agree to.

WIPP RECOVERY 1:00 DAILY MEETING ACTION LIST

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	A	B	C	D	E	F
21	03/20/14	Nick Stone	EPA would like a copy of the monitoring plan before people set foot in the underground. Response would include fact sheet, map of monitor locations, height of monitors and how data from each type of monitor is analysed.	Scott Kenndy/Jim Stafford	tbd	Closed.
22	03/27/14	Trais Kliphuis	Requested a copy of the LANL HEPA Filter Report	Oba/Scott	tdb	Closed. The report has been posted on the ICLN website.
23	03/28/14	Nick Stone	Arrange a conference between EPA and DOE to discuss "in detail" the WIPP lab procedures. Mary is EPA contact and Berta Oates will coordiante the call.	Berta Oates	Week of 3/31/14	Closed. Minutes from 4/1/14 meeting have been distributed.
24	04/01/14	Tom Peake	Stewart will provide calculation to convert units reported by the lab to final reporting units. Dpm/sample unit for air filters vs Bq/m3 for example.	Stewart Jones	4/2/2014	Closed. Conversion from Analytical Value to Reported Concentration was provided by 4/2/14 Patterson to Peake email.
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	Week of 4/7 for internal review.	
26	04/01/14	Russell Hardy	Requested input concerning expected activity of samples from the underground prior to sending them to CERMC. Need to assure RAM license compliance.	Stewart Jones	tbd	Closed. CEMRC prefers not to have high activity samples sent to their facility.

WIPP RECOVERY 1:00 DAILY MEETING ACTION LIST

Revised 4/3/2014 pm

	A	B	C	D	E	F
27	04/01/14	Trais Kliphuis	Requested a revision to the "41-B-856 HEPA Bank and Waste Hoist Tower Differential Pressure" graph using a time axis from Feb 3 to Feb 15.	Scott Kennedy	tbd	
28	04/01/14	Lee Veal	Requested a copy of the Radiation Work Permit that shows "turn back values".	Scott Kennedy	tbd	Closed. Oba distributed by 4/2/14 email.
29	04/02/14	Tom Peake	Is additional DOE-based high volume sampling required near Station B?	Stewart Jones	tbd	
30	04/02/14	Tom Skibitski	What are the alarm set points for the Station B CAM?	Oba Vincent	tbd	
31	04/03/14	Trais Kliphuis	How does DOE want to handle citizen questions received by NMED?	Oba Vincent	tbd	Trais to send questions to Oba and cc Rick Chavez.

Station A, Before 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)	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	Laboratory Analysis			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	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	030614/1555
2/16/14	2/16/14 1648	2/17/14 0015	A230216141650	4051	1256	021714/0046	Count 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	Count 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

**Initial activity is inaccurate 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)
2/19/14	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	Count 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

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

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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	Count 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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Station A, Before 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)	Initial Count (date/time)	Alpha (dpm)	Beta (dpm)	Re-count (date/time)	Alpha (dpm)	Beta (dpm)	Final Count (date/time)
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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Station A, Before 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)	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	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

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)	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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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	<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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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)
3/24/14	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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Station A, Before 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)	Initial Count (date/time)	Alpha (dpm)	Beta (dpm)	Re-count (date/time)	Alpha (dpm)	Beta (dpm)	Final Count (date/time)
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			
3/31/14	3/31/14 1620	4/1/14 0000	A230331141620	75	129	040114/0146	24	30	040114/0922			
4/1/14	4/1/14 0000	4/1/14 0800	A230401140000	81	144	040114/1024	42	70	040114/1612			
4/1/14	4/1/14 0800	4/1/14 1600	A230401140800	256	416	040114/1646	51	90	040114/2351			
4/1/14	4/1/14 1600	4/2/14 0020	A230401141600	303	493	040214/0042	53	64	040214/0800			
4/2/14	4/2/14 0020	4/2/14 0840	A230402140020	356	602	040214/0927	59	100	040214/1546			
4/2/14	4/2/14 0840	4/2/14 1625	A230402140840	167	283	040314/1737	60	76	040314/1200			
4/2/14	4/2/14 1625	4/3/14 0030	A230402141625	289	512	040314/0058	38	65	040414/0748			
4/3/14	4/3/14 0030	4/3/14 0840	A230403140030	320	571	040314/0912						

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Station A, Before 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)	Initial Count (date/time)	Alpha (dpm)	Beta (dpm)	Re-count (date/time)	Alpha (dpm)	Beta (dpm)	Final Count (date/time)

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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)
2/14/14	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	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	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	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	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	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	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	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	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	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	15	021914/1222	11	<MDA	030614/1730
2/19/14	2/19/14 0900	2/19/14 1627	B130219140900	36	34	021914/1708	25	10	021914/2036	23	<MDA	030614/1730

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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)
2/24/14	2/24/14 0846	2/24/14 1635	B130224140846	22	28	022414/1733	8	8	022414/2031	6	<MDA	030614/1811
2/24/14	2/24/14 1635	2/25/14 0016	B130224141635	45	72	022514/0029	8	12	022514/0404	6	<MDA	030614/1811
2/25/14	2/25/14 0016	2/25/14 0902	B130225140016	41	53	022514/1012	14	21	022514/1403	9	<MDA	030614/1840
2/25/14	2/25/14 0902	2/25/14 1652	B130225140902	39	59	022514/1742	12	7	022514/2000	5	<MDA	030614/1840
2/25/14	2/25/14 1652	2/26/14 0010	B130225141652	27	41	022614/0101	12	10	022614/0450	7	<MDA	030614/1840
2/26/14	2/26/14 0010	2/26/14 0921	B130226140010	26	21	022614/1051	23	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	14	022714/0408	4	<MDA	030614/1825
2/27/14	2/27/14 0030	2/27/14 0806	B130227140030	22	37	022714/0929	7	22	022714/1153	1	<MDA	030614/1825
2/27/14	2/27/14 0806	2/28/14 0012	B130227140806	27	41	022814/0046	16	10	022814/0401	9	<MDA	030614/1825
2/28/14	02/28/14 0012	2/28/14 0927	B130228140012	14	20	022814 /1024	8	5	022814/1408	4	<MDA	030614/1825
2/28/14	2/28/14 0927	2/28/14 1705	B130228140927	6	7	022814 /1825	5	<MDA	022814/1919	5	<MDA	030614/1825
2/28/14	2/28/14 1705	3/1/14 0144	B130228141705	16	28	030114 /0235	6	5	030114 /0528	3	<MDA	030614/1825
3/1/14	3/1/14 0144	3/1/14 0915	B130301140144	21	35	030114/0957	6	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	<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)
3/5/14	3/5/14 1608	3/6/14 0015	B130305141608	16	29	030614/0109	7	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	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	<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	5	030714/1255	<MDA	<MDA	031014/0104
3/7/14	3/7/14 0001	3/7/14 1140	B130307140001	24	41	030714/1226	7	6	030814/0141	4	<MDA	031014/0030
3/7/14	3/7/14 1140	3/7/14 1710	B130307141140	11	21	030714/1750	3	<MDA	030814/0157	4	<MDA	031014/1736
3/7/14	3/7/14 1710	3/8/14 0015	B130307141710	10	15	030814/0122	3	<MDA	030814/2331	4	<MDA	031114/0017
3/8/14	3/8/14 0015	3/8/14 0855	B130308140015	23	28	030814/0955	5	<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	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	3	030914/1020	<MDA	<MDA	031214/0004
3/9/14	3/9/14 0055	3/9/14 0905	B130309140055	17	31	030914/0952	2	2	031014/0803	<MDA	<MDA	031214/0747
3/9/14	3/9/14 0905	3/9/14 1650	B130309140905	8	10	030914/1744	1	2	031014/0154	<MDA	<MDA	031214/1550
3/9/14	3/9/14 1650	3/10/14 0010	B130309141650	21	39	031014/0046	1	3	031014/0801	<MDA	<MDA	031314/0000
3/10/14	3/10/14 0010	3/10/14 0915	B130310140010	16	25	031014/1018	5	6	031014/1729	2.36	<MDA	031314/0751

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Station B, After the Filtration System

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Date	Date 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	3.67	<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	4.45	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	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	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	<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	<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	14	031714/0809	<MDA	<MDA	031914/2357
3/17/14	3/17/14 0030	3/17/14 0930	B130317140030	22	33	031714/0957	7	7	031714/1605	<MDA	<MDA	032014/0816
3/17/14	3/17/14 0930	3/17/14 1648	B130317140930	14	18	031714/1742	3	<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	<MDA	031914/0804	9	<MDA	032214/0843
3/19/14	3/19/14 0030	3/19/14 0928	B130319140030	15	16	031914/1016	9	6	031914/1603	10	8	032214/0832
3/19/14	3/19/14 0928	3/19/14 1703	B130319140928	8	11	031914/1800	3	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	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	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	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	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	12	032414/1550	3.9	8	032714/0800

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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)
3/24/14	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	10	032514/0811	<MDA	<MDA	032714/2345
3/25/14	3/25/14 0000	3/25/14 0825	B130325140000	48	84	032514/0846	8	13	032514/1608	<MDA	<MDA	032814/0744
3/25/14	3/25/14 0825	3/25/14 1612	B130325140825	29	45	032514/1707	5	11	032614/0000	<MDA	<MDA	032814/1532
3/26/14	3/25/14 1612	3/26/14 0007	B130325141612	11	21	032614/0048	4	6	032614/0816	<MDA	<MDA	032914/0011
3/26/14	3/26/14 0007	3/26/14 0810	B130326140007	20	47	032514/0911	7	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

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 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	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	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			
3/31/14	3/31/14 1600	4/1/14 0020	B130331141600	8	16	040114/0146	<MDA	<MDA	040114/0921			
4/1/14	4/1/14 0020	4/1/14 0825	B130401140020	11	16	040114/1023	3.1	<MDA	040114/1800			
4/1/14	4/1/14 0825	4/1/14 1615	B130401140825	5	17	040114/1703	<MDA	<MDA	040114/2351			
4/1/14	4/1/14 1615	4/2/14 0005	B130401141615	26	46	040214/0039	2.9	6	040114/0758			
4/2/14	4/2/14 0005	4/2/14 0810	B130402140005	10	29	040214/0917	5	7	040214/1548			

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 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)
4/2/14	4/2/14 0810	4/2/14 1600	B130402140810	13	22	040214/1646	<MDA	<MDA	040314/1200			
4/2/14	4/2/14 1600	4/3/14 0015	B130402141600	14	20	040314/0055	1.6	3.9	040314/0747			
4/3/14	4/3/14 0015	4/3/14 0800	B130403140015	2.5	12	040314/0909						

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

Environmental Monitoring & Hydrology Airborne Particulates Sampling

4/3/2014 - 12:30 PM

Location	Sample ID Number	Sample Date	ISOLC Spectrum Analyzer	WIPP Labs Gross α DPM	WIPP Labs Radiochemistry			Air Flow Volume (m ³)	WIPP Labs Radiochemistry		
			Gross α β Preliminary/ Final DPM		Am-241 (dpm/sample)	Pu-238 (dpm/sample)	Pu-239/240 (dpm/sample)		Am-241 (Bq/m ³)	Pu-238 (Bq/m ³)	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

Environmental Monitoring & Hydrology Airborne Particulates Sampling

4/3/2014 - 12:30 PM

Location	Sample ID Number	Sample Date	ISOLC Spectrum Analyzer Gross α β Preliminary/ Final DPM	WIPP Labs Gross α DPM	WIPP Labs Radiochemistry			Air Flow Volume (m ³)	WIPP Labs Radiochemistry		
					Am-241 (dpm/sample)	Pu-238 (dpm/sample)	Pu-239/240 (dpm/sample)		Am-241 (Bq/m ³)	Pu-238 (Bq/m ³)	Pu-239/240 (Bq/m ³)
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
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	---	---				551.04			
WIPP East (WEE)	AL-WEE-20140318-1.1	03/25/2014	---	---				583.62			
WIPP South (WSS)	AL-WSS-20140318-1.1	03/25/2014	---	---				598.84			
Mills Ranch (MLR)	AL-MLR-20140318-1.1	03/25/2014	---	---				595.58			
Carlsbad (CBD)	AL-CBD-20140318-1.1	03/25/2014	---	---				580.38			
Smith Ranch (SMR)	AL-SMR-20140318-1.1	03/25/2014	---	---				580.55			
Southeast Control (SEC)	AL-SEC-20140318-1.2	03/25/2014	---	---				586.87			
Southeast Control (SEC) co-located sample	AL-SEC-20140318-2.2	03/25/2014	---	---				563.63			
Meteorology Tower Building (MET) [†]	AL-MET-20140318-1.1	03/25/2014	---	---				591.75			
Salt Hoist (SLT) [†]	AL-SLT-20140318-1.1	03/25/2014	---	---				585.15			
Southeast of Training Building (STB) [†]	AL-STB-20140318-1.1	03/25/2014	---	---				582.60			
WIPP Far Field (WFF)	AL-WFF-20140325-1.2	04/01/2014	---	---				546.07			

Environmental Monitoring & Hydrology Airborne Particulates Sampling

4/3/2014 - 12:30 PM

Location	Sample ID Number	Sample Date	ISOLC Spectrum Analyzer	WIPP Labs Gross α DPM	WIPP Labs Radiochemistry			Air Flow Volume (m ³)	WIPP Labs Radiochemistry		
			Gross α β Preliminary/ Final DPM		Am-241 (dpm/sample)	Pu-238 (dpm/sample)	Pu-239/240 (dpm/sample)		Am-241 (Bq/m ³)	Pu-238 (Bq/m ³)	Pu-239/240 (Bq/m ³)
WIPP Far Field (WFF)	AL-WFF-20140325-2.2	04/01/2014	---	---				554.61			
WIPP East (WEE)	AL-WEE-20140325-1.1	04/01/2014	---	---				542.58			
WIPP South (WSS)	AL-WSS-20140325-1.1	04/01/2014	---	---				518.92			
Mills Ranch (MLR)	AL-MLR-20140325-1.1	04/01/2014	---	---				533.42			
Carlsbad (CBD)	AL-CBD-20140325-1.1	04/01/2014	---	---				528.06			
Smith Ranch (SMR)	AL-SMR-20140325-1.1	04/01/2014	---	---				507.26			
Southeast Control (SEC)	AL-SEC-20140325-1.2	04/01/2014	---	---				536.26			
Southeast Control (SEC) co-located sample	AL-SEC-20140325-2.2	04/01/2014	---	---				539.09			
Meteorology Tower Building (MET) [†]	AL-MET-20140325-1.1	04/01/2014	---	---				545.42			
Salt Hoist (SLT) [†]	AL-SLT-20140325-1.1	04/01/2014	---	---				533.10			
Southeast of Training Building (STB) [†]	AL-STB-20140325-1.1	04/01/2014	---	---				556.78			
Guard and Security Building (GSB) [‡]	AL-GSB-20140325-1.1	04/01/2014	---	---				531.54			
WIPP Far Field (WFF)	AL-WFF-20140401-1.2	04/08/2014	---	---							
WIPP Far Field (WFF)	AL-WFF-20140401-2.2	04/08/2014									
WIPP East (WEE)	AL-WEE-20140401-1.1	04/08/2014	---	---							
WIPP South (WSS)	AL-WSS-20140401-1.1	04/08/2014	---	---							
Mills Ranch (MLR)	AL-MLR-20140401-1.1	04/08/2014	---	---							
Carlsbad (CBD)	AL-CBD-20140401-1.1	04/08/2014	---	---							
Smith Ranch (SMR)	AL-SMR-20140401-1.1	04/08/2014	---	---							
Southeast Control (SEC)	AL-SEC-20140401-1.2	04/08/2014	---	---							
Southeast Control (SEC) co-located sample	AL-SEC-20140401-2.2	04/08/2014	---	---							
Meteorology Tower Building (MET) [†]	AL-MET-20140401-1.1	04/08/2014	---	---							
Salt Hoist (SLT) [†]	AL-SLT-20140401-1.1	04/08/2014	---	---							
Southeast of Training Building (STB) [†]	AL-STB-20140401-1.1	04/08/2014	---	---							
Guard and Security Building (GSB) [‡]	AL-GSB-20140401-1.1	04/08/2014	---	---							

* 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.

Environmental Monitoring & Hydrology Airborne Particulates Sampling

4/3/2014 - 12:30 PM

Location	Sample ID Number	Sample Date	ISOLC Spectrum Analyzer	WIPP Labs Gross α DPM	WIPP Labs Radiochemistry			Air Flow Volume (m ³)	WIPP Labs Radiochemistry		
			Gross α β Preliminary/ Final DPM		Am-241 (dpm/sample)	Pu-238 (dpm/sample)	Pu-239/240 (dpm/sample)		Am-241 (Bq/m ³)	Pu-238 (Bq/m ³)	Pu-239/240 (Bq/m ³)

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

4/3/2014 - 12:30 PM

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*	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			
Hill Tank	WS-HIL-20140312-2.2	3/12/2014			
Fresh Water Tank	WS-FWT-20140312-1.1	3/12/2014			
Tut Tank	WS-TUT-20140313-1.1	3/13/2014			
Pierce Canyon	WS-PCN-20140313-1.1	3/13/2014			
Carlsbad	WS-CBD-20140313-1.2	3/13/2014			
Carlsbad	WS-CBD-20140313-2.2	3/13/2014			
Brantley Lake	WS-BRA-20140314-1.1	3/14/2014			
Upper Pecos River	WS-UPR-20140314-1.1	3/14/2014			
Coyote Well	WS-COW-20140314-1.1	3/14/2014			
Sample of Opportunity	WS-SOO-20140316-1.5	3/16/2014			
Sample of Opportunity (Dupe)	WS-SOO-20140316-2.5	3/16/2014			
Sample of Opportunity	WS-SOO-20140316-3.5	3/16/2014			
Sample of Opportunity	WS-SOO-20140316-4.5	3/16/2014			
Sample of Opportunity (Blank)	WS-SOO-20140316-5.5	3/16/2014			
Sample of Opportunity	WS-SOO-20140326-1.2	3/26/2014			
Sample of Opportunity	WS-SOO-20140326-2.2	3/26/2014			
Blank	WS-BLK-20140326-1.1	3/26/2014			

* This sample was 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.

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): 5.22E-02 to 7.78E-02

MDC Pu-238 (dpm/L): 3.53E-03 to 4.99E-02

MDC Pu-239/240 (dpm/L): 3.13E-02 to 4.89E-02

Environmental Monitoring & Hydrology Sediment Sampling

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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			
Bottom of the Hill Tank	SB-BHT-20140312-1.1	3/12/2014			
Noya Tank	SB-NOY-20140312-1.1	3/12/2014			
Hill Tank	SB-HIL-20140312-1.2	3/12/2014			
Hill Tank	SB-HIL-20140312-2.2	3/12/2014			
Lost Tank	SB-LST-20140312-1.1	3/12/2014			
Tut Tank	SB-TUT-20140313-1.1	3/13/2014			
Pierce Canyon	SB-PCN-20140313-1.1	3/13/2014			
Carlsbad	SB-CBD-20140313-1.2	3/13/2014			
Carlsbad	SB-CBD-20140313-2.2	3/13/2014			
Poker Trap	SB-PKT-20140313-1.1	3/13/2014			
Indian Tank	SB-IND-20140313-1.1	3/13/2014			
Brantley	SB-BRA-20140314-1.1	3/14/2014			
Upper Pecos River	SB-UPR-20140314-1.1	3/14/2014			

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): 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 - Fauna

4/3/2014 - 12:30 PM

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

4/3/2014 - 12:30 PM

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			
GPS Location 2*	BV-SOO-20140319-1.2	3/19/2014			
GPS Location 3*	BV-SOO-20140319-1.3	3/19/2014			
GPS Location 4*	BV-SOO-20140319-1.4	3/19/2014			
GPS Location 5*	BV-SOO-20140321-1.5	3/21/2014			
GPS Location 6*	BV-SOO-20140321-1.6	3/21/2014			
GPS Location 7*	BV-SOO-20140320-1.7	3/20/2014			
GPS Location 8*	BV-SOO-20140321-1.8	3/21/2014			
GPS Location 9*	BV-SOO-20140320-1.9	3/20/2014			
GPS Location 10*	BV-SOO-20140319-1.10	3/19/2014			
GPS Location 11*	BV-SOO-20140319-1.11	3/19/2014			
GPS Location 12*	BV-SOO-20140319-1.12	3/19/2014			
GPS Location 13*	BV-SOO-20140319-1.13	3/19/2014			
GPS Location 14*	BV-SOO-20140319-1.14	3/19/2014			
GPS Location 15*	BV-SOO-20140319-1.15	3/19/2014			
GPS Location 16*	BV-SOO-20140319-1.16	3/19/2014			
GPS Location 17*	BV-SOO-20140320-1.17	3/20/2014			
GPS Location 18*	BV-SOO-20140320-1.18	3/20/2014			
GPS Location 19*	BV-SOO-20140320-1.19	3/20/2014			
GPS Location 20*	BV-SOO-20140319-1.20	3/19/2014			
GPS Location 21*	BV-SOO-20140319-1.21	3/19/2014			
GPS Location 22*	BV-SOO-20140320-1.22	3/20/2014			
GPS Location 23*	BV-SOO-20140320-1.23	3/20/2014			
GPS Location 24*	BV-SOO-20140319-1.24	3/19/2014			
GPS Location 25*	BV-SOO-20140319-1.25	3/19/2014			
GPS Location 26*	BV-SOO-20140321-1.26	3/21/2014			
GPS Location 27*	BV-SOO-20140321-1.26	3/21/2014			
GPS Location 28*	BV-SOO-20140321-1.28	3/21/2014			
GPS Location 29*	BV-SOO-20140321-1.29	3/21/2014			
GPS Location 10 (Duplicate)*	BV-SOO-20140319-2.10	3/19/2014			
GPS Location 18 (Duplicate)*	BV-SOO-20140320-2.18	3/20/2014			
GPS Location 6 (Duplicate)*	BV-SOO-20140321-2.6	3/21/2014			

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

Note: Vegetation samples were collected adjacent to air sampling locations. All vegetation sample analyses were below the minimum detectable concentrations (MDC) for 241 Am, 238 Pu, and 239/240 Pu. 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): 3.33E-02 to 3.38E-02

MDC Pu-238 (dpm/g): 2.09E-02 to 2.17E-02

MDC Pu-239/240 (dpm/g): 1.37E-02 to 1.44E-02

Environmental Monitoring & Hydrology Soil Sampling

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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 Surface Sample (0-2 cm)	SS-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 South Surface Sample (0-2 cm)	SS-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	3.34E-02
Smith Ranch Surface Sample (0-2 cm)	SS-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 Surface Sample (0-2 cm)	SS-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			
GPS Location 2 (0-2 cm)†	SS-SOO-20140319-1.2	3/19/2014			
GPS Location 3 (0-2 cm)†	SS-SOO-20140319-1.3	3/19/2014			
GPS Location 4 (0-2 cm)†	SS-SOO-20140319-1.4	3/19/2014			
GPS Location 5 (0-2 cm)†	SS-SOO-20140321-1.5	3/21/2014			
GPS Location 6 (0-2 cm)†	SS-SOO-20140321-1.6	3/21/2014			
GPS Location 7 (0-2 cm)†	SS-SOO-20140320-1.7	3/20/2014			
GPS Location 8 (0-2 cm)†	SS-SOO-20140321-1.8	3/21/2014			
GPS Location 9 (0-2 cm)†	SS-SOO-20140320-1.9	3/20/2014			
GPS Location 10 (0-2 cm)†	SS-SOO-20140319-1.10	3/19/2014			
GPS Location 11 (0-2 cm)†	SS-SOO-20140319-1.11	3/19/2014			
GPS Location 12 (0-2 cm)†	SS-SOO-20140319-1.12	3/19/2014			
GPS Location 13 (0-2 cm)†	SS-SOO-20140319-1.13	3/19/2014			
GPS Location 14 (0-2 cm)†	SS-SOO-20140319-1.14	3/19/2014			
GPS Location 15 (0-2 cm)†	SS-SOO-20140319-1.15	3/19/2014			
GPS Location 16 (0-2 cm)†	SS-SOO-20140319-1.16	3/19/2014			
GPS Location 17 (0-2 cm)†	SS-SOO-20140320-1.17	3/20/2014			
GPS Location 18 (0-2 cm)†	SS-SOO-20140320-1.18	3/20/2014			
GPS Location 19 (0-2 cm)†	SS-SOO-20140320-1.19	3/20/2014			
GPS Location 20 (0-2 cm)†	SS-SOO-20140319-1.20	3/19/2014			
GPS Location 21 (0-2 cm)†	SS-SOO-20140319-1.21	3/19/2014			
GPS Location 22 (0-2 cm)†	SS-SOO-20140320-1.22	3/20/2014			
GPS Location 23 (0-2 cm)†	SS-SOO-20140320-1.23	3/20/2014			
GPS Location 24 (0-2 cm)†	SS-SOO-20140319-1.24	3/19/2014			
GPS Location 25 (0-2 cm)†	SS-SOO-20140319-1.25	3/19/2014			
GPS Location 26 (0-2 cm)†	SS-SOO-20140321-1.26	3/21/2014			
GPS Location 27 (0-2 cm)†	SS-SOO-20140320-1.27	3/20/2014			
GPS Location 28 (0-2 cm)†	SS-SOO-20140321-1.28	3/21/2014			
GPS Location 29 (0-2 cm)†	SS-SOO-20140321-1.29	3/21/2014			

Environmental Monitoring & Hydrology Soil Sampling

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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 10 (0-2 cm) (Duplicate) [†]	SS-SOO-20140319-2.10	3/19/2014			
GPS Location 18 (0-2 cm) (Duplicate) [†]	SS-SOO-20140320-2.18	3/20/2014			
GPS Location 6 (0-2 cm) (Duplicate) [†]	SS-SOO-20140321-2.6	3/21/2014			

* The one soil sample with detected plutonium showed concentration in the range of historical results for this location.

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

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

Minimum detectable concentration (MDC) ranges are:

MDC Am-241 (dpm/g): 3.40E-02 to 4.12E-02

MDC Pu-238 (dpm/g): 2.34E-02 to 2.96E-02

MDC Pu-239/240 (dpm/g): 1.80E-02 to 2.18E-02

Site Environmental Compliance Salt Pile Sampling

4/3/2014 - 12:30 PM

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