

Allen, Pam, NMENV

From: Maestas, Ricardo, NMENV
Sent: Wednesday, August 13, 2014 9:03 AM
To: Allen, Pam, NMENV
Subject: FW: WIPP Information - For Call Today
Attachments: QUESTIONS FOR DOE FROM NMED 4-7-14.docx; Workforce Status Slide 4-7 to 4-13.pptx; 41-b-857 WHT dp Daily Averages_4-5-14.pdf; 41-b-856 WHT dp Daily Averages_4-5-14.pdf; Environmental Sampling 2014-04-05.xlsx; 1300 Meeting Action Items 040414.xlsx

April

From: Kliphuis, Trais, NMENV
Sent: Monday, April 07, 2014 1:32 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; Ines Triay (triyin@fiu.edu); Maestas, Ricardo, NMENV; Smith, Coleman, NMENV; Holmes, Steve, NMENV
Subject: FW: WIPP Information - For Call Today

NMED Notes in blue

From: Oba Vincent [<mailto:oba.vincent@cbfo.doe.gov>]
Sent: Monday, April 07, 2014 11:08 AM
To: Kliphuis, Trais, NMENV; 'peake.tom@epa.gov'; 'Edwards, Jonathan'; 'Walsh, Jonathan'; 'Perrin, Alan'; 'Bob.Kehrman@wipp.ws'; 'Rick.Chavez@wipp.ws'; 'Stone.Nick@epa.gov'; Smith, Coleman, NMENV; 'brozowski.george@epa.gov'; 'Fraass, Ron'; 'Russell Hardy'; 'Veal.Lee@epamail.epa.gov'; 'Economy, Kathleen (Economy.Kathleen@epa.gov)'; 'Poppell, Sam W. (Poppell.Sam@epa.gov)'
Cc: George Basabilvazo - WIPPNet; 'Reynolds, Tammy - NWP (Tammy.Reynolds@wipp.ws)'; 'Pace, Berry (Berry.Pace@wipp.ws)'; 'Alton.Harris@em.doe.gov'; Susan McCauslin; 'Joe Harvill (jharvill@portageinc.com)'; 'Kennedy, Scott - NWP (Scott.Kennedy@wipp.ws)'; 'Jones, Stewart - RES'; 'Berta Oates'; 'schultheisz.daniel@epa.gov'; Philip Theisen - ORISE; 'Dale Bignell'; Russ Patterson - WIPPNet; '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).

- Additional air results were received from 3/26. No detectable activity was observed in any sample.
- 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 continuing to clean the soot from the fire out of the waste shaft tower. This could begin as early as this week and may take up to 6 months.
- Station A and B Sampling: The CAM at Station B is functioning. The safety basis strategy for the CAM utilization is being modified and will be resubmitted to DOE 4/9. Discussions are continuing regarding the CAM set

point. The system is expected to go into service on 4/18. NWP hopes to return approximately 90 additional workers to the site on 4/21.

- SS and AIS Shaft/Rope Inspections: The weekly MSHA compliance inspection for the AIS was completed on Tuesday. The inspection of the SS was completed on Thursday. The brake pads on the AIS were cleaned. Post maintenance testing was performed and the brakes are functioning properly. NWP needs to order materials and prepare for replacement. NWP was requested to contact the vendor to verify the life of the brakes. DOE plans to bring in an independent company to review brake maintenance and spare hoist components.
- Initial Manned Re-entry of U/G: Work completed (No Change)
- Establishment of Work Area in the Underground (Phase 2b, Activity 2): Work completed (No Change)
- 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 possibly today. The entry will be delayed until next week.
- Replacement HEPA filters are due to arrive starting this week. The filter change mock-up is planned for the week of April 14th. Engineering issued a design change for the Mod filter alarm setpoint to adjust it from 2 to 2.5 dp. Filter hit 2.0 early Sunday morning. Flanders (the filter manufacturer) was contacted and concurred with this change. The Mod filter on 41-B-856 did reach a dp of 2.0 on 4/6. NWP has identified that they will be task ready to change out the filters on 5/22. Will take about 21 days to change filters – no one can be UG when this happens.
- Shipments of TRU waste from LANL to WCS are continuing.
- Bioassay: REAC/TS staff will be on site this week to review the bioassay program and calculations. Recounts of the “second urine sample positives were negative.” One fecal sample was recounted and came back less than the DL. There have been a total of 21 individuals that have tested positive (20 fecal and 1 urine). 20 dose calculations have been completed.
- Worker utilization graphic provided for information.
- NWP has provided a recommendation to DOE regarding the salt sales, which is being reviewed. (No change)
- EPA Field Air Monitoring Staff arrived today, air samplers should be running tomorrow.
- Item 17 – Request for Re-entry plan – still don’t have it...
- Item 20 – Responses to EIS questions – Rick and Bob have a draft response, sent to engineering for review, should be able to set out to us soon.
- Question about source of leak- same package as above
- Diff Pressure graph – engineering is working – should be next day or so (each day - every hour)
- EPA High Volume Sampler question – Is there enough air to come through low volume to get a quick turnaround count? DOE: using Station B as the primary location – gets best data about air from UG. EPA: Are you capturing the dispersion? Right sampler in right places? Jon Walsh (EPA) will look at sampling stations tomorrow and will do some field verification.
- Citizen questions with responses attached.
- Kathy Economy – Where there is a pressure sensor – one at WHB tower and one at the bottom? NWP: We check DP on waste tower on the second floor and if negative pressure it then shows air is drawing down the waste shaft. Other pressure is measured at lowers at 308 – exhaust shaft.
- Who put together the responses to the NGO questions? They think it was Tammy. Some questions about two responses and ask that we hold onto them

- Steve Holmes asked about the ground conditions in the UG, any bolts on the floor? NWP: It looked good. Didn't see unusual amount of bolts in disrepair (8 broken bolts out of hundreds). Trais asked for pictures. They will post on web.

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

Thanks

Oba

QUESTIONS FOR DOE

1. What are the current locations of and types of materials that are estimated to generate the 200 cubic meters of derived waste that is allowed by the February 27 Administrative Order?
The waste calculation was based the waste coming from the containment tents (ventilation bypass damper sealing, HEPA filter replacement, temporary contamination control tents at the Air Intake Shaft and Salt shaft), used filters, including HEPA filters, and any other surface related decontamination activities that could arise from these activities.

2. What is the schedule for that derived waste to be emplaced in the RH Bay?
Derived waste will be managed in accordance with the provisions of the Administrative Order, dated February 27, 2014. The schedule for generation of derived waste will depend upon the activities identified in response to Question 1. It is anticipated that derived waste will be generated throughout the recovery period.

3. What were the radiation and VOC monitoring data in the Waste Handling Building on February 5 before the fire, during the fire, and after the fire was determined to be out and on February 14 at 11 pm, during the radiation event until 15:00 on February 15, on February 16 and on March 11?

Radiological surveys of the Waste Handling Building (WHB) for the requested time period were determined to be no detectable alpha, beta, or gamma contamination. Additionally, there was no detectable VOC measurements in the WHB.

4. What were the location(s) on February 14 and early February 15 of the 13 workers on the site?
The following groups were in various site locations (indoor/outdoor) between the hours of 7 pm and 7 am during the night of 2/14/14 and morning of 2/15/14. They were performing rounds/surveillances and response activities: Facility Operations, Security, Radiological Control Engineer, Radiological Control Technician, DOE Facility Representative

5. What were the location(s) on February 15 of the additional eight workers that have tested positive for internal radiation contamination? The individuals were in various site locations (indoor/outdoor). (Emergency Service Technician, DOE Members, AIB Members, Safety Representative, DOE Facility Representative, Security Guard)

6. For any workers that in the future test positive, what were the location(s) they were in on the surface? At the time of any future positive test results, the person would be interviewed to determine their locations during the event timeframe.

7. What were the locations that workers “sheltered in place” on February 14-15 (and if there have been subsequent sheltering in place)? Buildings 451, 486, 453, 452, 951, 953, 459

8. What was the specific data and testing that was done on February 14 and 15 that were the basis for the statements that:

“no personnel contamination has been identified;”

“employees were cleared by radiological control technicians prior to departure;”

Employees were directly frisked by Radiological Control Technicians prior to departing the site on February 15. A whole body frisk was performed using rad detection instruments. The frisk

included the head, extremities, front and back of the torso and feet. Some articles of clothing were kept and bagged until they were cleared the next day which indicated the presence of Radon. No TRU contamination was detected.

“Multiple perimeter monitors at the WIPP boundary have confirmed there is no danger to human health or the environment;

Radiological Control has surveyed the entire fence line of the Property Protection Area, the site Parking Lot, and every structure on site. No detectable contamination was found as a result of all the surveys. The survey included direct frisk with instrumentation as well as swipes that were counted.

“no surface contamination has been found on any equipment, personnel, or facilities;”
“WIPP’s system of air monitors and protective filtration system continue to function as designed.”

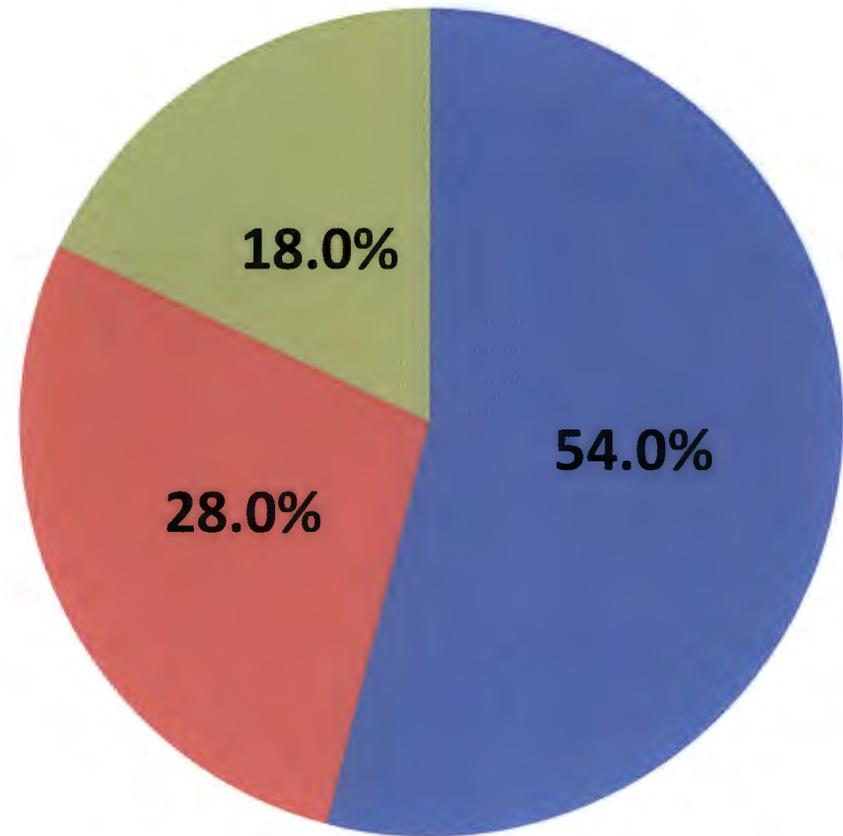
Radiological Control has surveyed all structures on site and found no detectable contamination. In addition, all personnel leaving the site were initially frisked until Hand and Foot monitors were obtained from Los Alamos National Lab. Now, all personnel exiting the site are required to utilize these monitors before exiting the site. NWP has procured additional Hand and Foot Monitors that will be installed near the Security Access Control Facility. These monitors will make it easier for people to exit when the population is allowed to return to work at site.

Multiple Portable Air Samplers (PAS) and several Continuous Air Monitors (CAMs) have been running and the filters are analyzed daily to determine if any activity is present. Station A and Station B locations directly collect samples on filters of the exhaust air coming from the Underground. The data analyzed from these filter locations indicates no detectable contamination after radon decay takes place. At Station A, which is the monitoring station prior to the air entering the filtration system, has indicated some levels of TRU activity, but the air monitored at station B, which is after the filtration system, indicates no detectable contamination.

9. What are the results of thorough screening of the vehicles, residences, and family members of the 21 workers that have tested positive for internal contamination? The parking lot was surveyed on the day of the event and no-detectable contamination was found. The process for internal contamination does not require any of the actions above to be performed.
10. Will similar screening be done for any workers that test positive in the future?
Yes, the internal dosimetry process will be followed for any future positive test results.

Disposition of WIPP Site Workers: April 7 to April 13, 2014

- Prior to the radiological release, approximately 500 employees were regularly assigned to the site; 350 were directly impacted by the event.
- NWP currently has 652 employees; 302 were not directly impacted and have continued with their regular assignments
- **Current status of impacted workers:**
 - ✓ Approx. 270 employees (~54%) are working at the site in support of essential recovery activities.
 - ✓ Approx. 140 employees (~28%) are performing their normal job duties at a work location in town or have been temporarily reassigned to assist other departments in town.
 - ✓ Approx. 90 employees (~18%) are attending training and tasks to enhance and maintain their job-specific qualifications. Courses include radworker, hazardous waste worker, fire extinguishers, electrical safety, conduct of operations, subject matter expert responsibilities, among others.



- **Recovery Work at Site**
- **Other Work Off-Site**
- **Training Off-Site**

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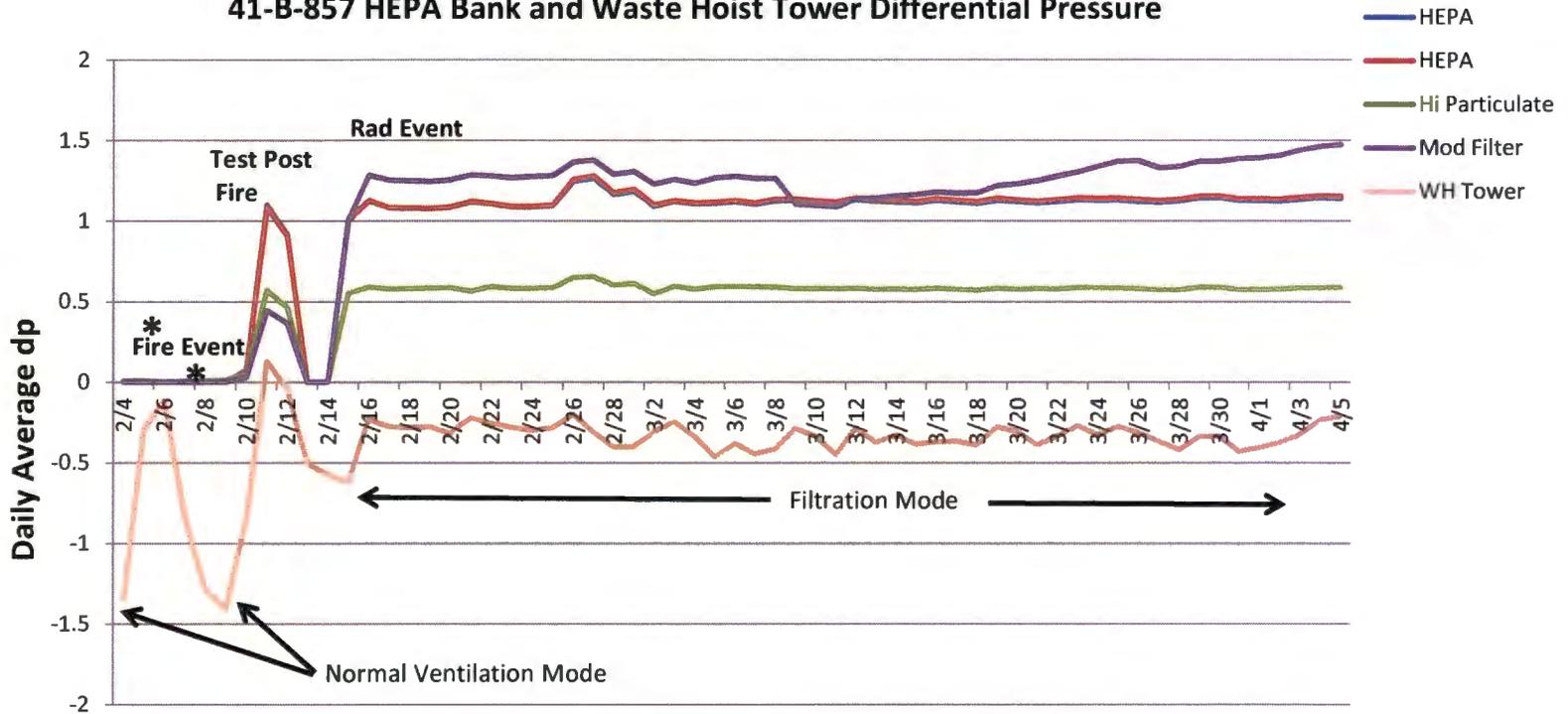
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41-B-857 HEPA Bank and Waste Hoist Tower Differential Pressure

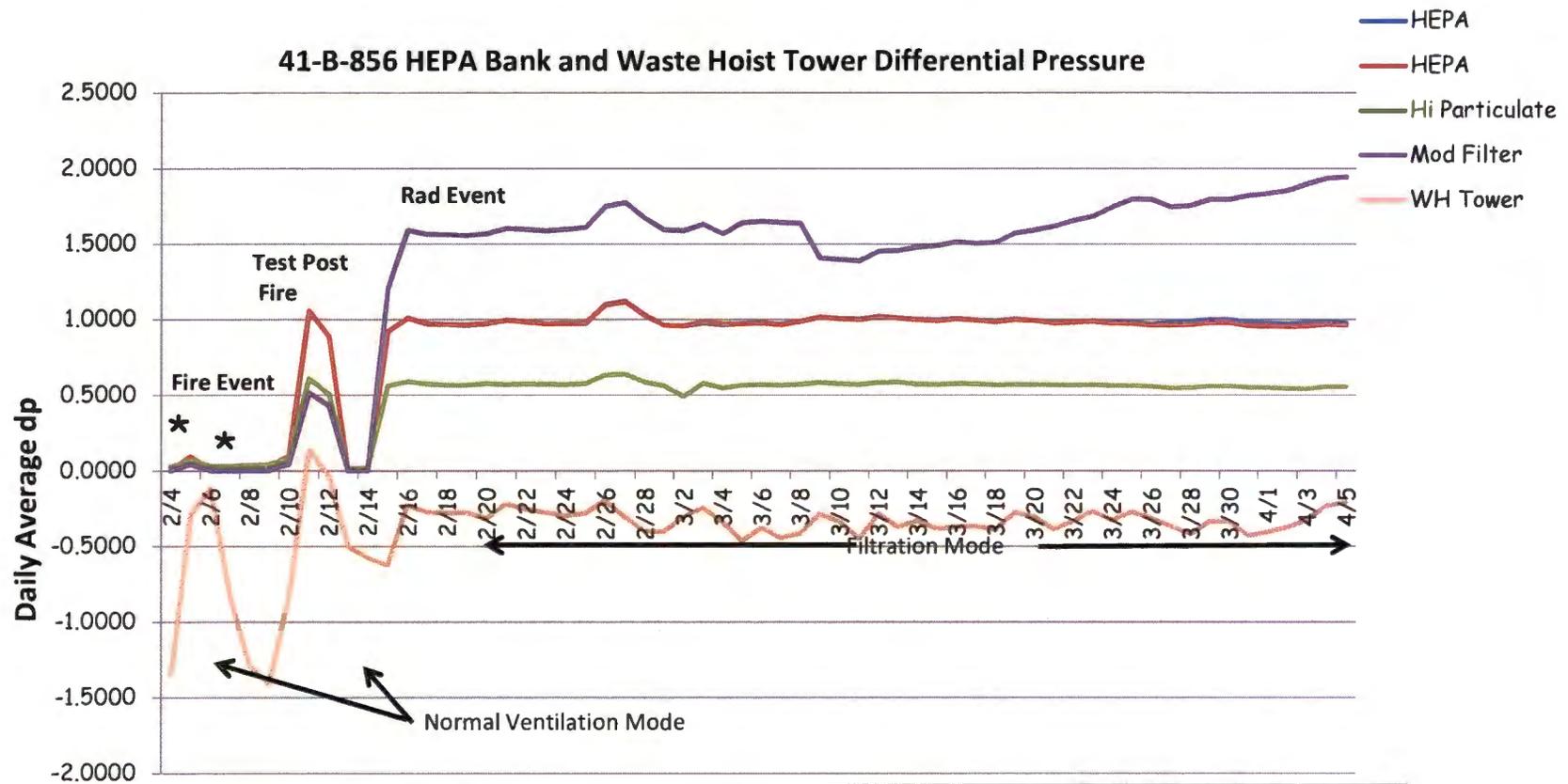


Prior to 2/5/2014 (2/3 @ 0200-0215)

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



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

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

*** Fire Event Waste Tower dp Details**

During the Fire Event positive dp was seen on 2/5 and 2/6. Overall the dp was negative for the daily average.
 2/5 Positive dp (Avg) + 0.308 (Duration 13 hrs)
 2/6 Positive dp (AVg) + 0.200 (Duration 14 hrs)

Environmental Monitoring & Hydrology Airborne Particulates Sampling

4/4/2014 - 08:00 AM

Location	Sample ID Number	Sample Date	ISOLC	WIPP Labs Gross α DPM	WIPP Labs Radiochemistry			Air Flow Volume (m ³)	WIPP Labs Radiochemistry		
			Spectrum Analyzer 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

4/4/2014 - 08:00 AM

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

Environmental Monitoring & Hydrology Airborne Particulates Sampling

4/4/2014 - 08:00 AM

Location	Sample ID Number	Sample Date	ISOLO 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

4/4/2014 - 08:00 AM

Location	Sample ID Number	Sample Date	ISOLD 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

4/4/2014 - 08:00 AM

Location	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/L)	Pu-238 (dpm/L)	Pu-239/240 (dpm/L)
SWIC Evaporation Basin A	WS-EBA-20140219-1.2	2/19/2014	Below MDC	Below MDC	Below MDC
SWIC Evaporation Basin A	WS-EBA-20140219-2.2	2/19/2014	Below MDC	Below MDC	Below MDC
Salt Pile Evaporation Pond	WS-SPE-20140219-1.1	2/19/2014	Below MDC	Below MDC	Below MDC
Salt Storage Extension Basin I	WS-EB1-20140219-1.1	2/19/2014	Below MDC	Below MDC	Below MDC
Salt Storage Extension Basin II	WS-EB2-20140219-1.1	2/19/2014	Below MDC	Below MDC	Below MDC
SWIC Pond 1	WS-PD1-20140219-1.1	2/19/2014	Below MDC	Below MDC	Below MDC
SWIC Pond 2	WS-PD2-20140219-1.1	2/19/2014	Below MDC	Below MDC	Below MDC
Blank	WS-BLK-20140219-1.1	2/19/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity*	WS-SOO-20140302-1.2	3/2/2014	9.69E-01	Below MDC	7.48E-02
Sample of Opportunity*	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

4/4/2014 - 08:00 AM

Location	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/g)	Pu-238 (dpm/g)	Pu-239/240 (dpm/g)
Red Tank	SB-RED-20140312-1.1	3/12/2014			
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

4/4/2014 - 08:00 AM

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

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

MDC ranges are:

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

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

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

Environmental Monitoring & Hydrology Biota Sampling - Vegetation

4/4/2014 - 08:00 AM

Location	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/g)	Pu-238 (dpm/g)	Pu-239/240 (dpm/g)
WIPP Far Field	BV-WFF-20140221-1.2	2/21/2014	Below MDC	Below MDC	Below MDC
WIPP Far Field (Duplicate)	BV-WFF-20140221-2.2	2/21/2014	Below MDC	Below MDC	Below MDC
WIPP East	BV-WEE-20140221-1.1	2/21/2014	Below MDC	Below MDC	Below MDC
WIPP South	BV-WSS-20140222-1.1	2/22/2014	Below MDC	Below MDC	Below MDC
Smith Ranch	BV-SMR-20140222-1.1	2/22/2014	Below MDC	Below MDC	Below MDC
Mills Ranch	BV-MLR-20140222-1.1	2/22/2014	Below MDC	Below MDC	Below MDC
Southeast Control	BV-SEC-20140222-1.1	2/22/2014	Below MDC	Below MDC	Below MDC
GPS Location 1*	BV-SOO-20140319-1.1	3/19/2014			
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

4/4/2014 - 08:00 AM

Location/Depth	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/g)	Pu-238 (dpm/g)	Pu-239/240 (dpm/g)
WIPP Far Field Surface Sample (0-2 cm)	SS-WFF-20140213-1.1	2/13/2014	Below MDC	Below MDC	Below MDC
WIPP Far Field Intermediate Sample (2-5 cm)	SI-WFF-20140213-1.1	2/13/2014	Below MDC	Below MDC	Below MDC
WIPP Far Field Deep Sample (5-10 cm)	SD-WFF-20140213-1.1	2/13/2014	Below MDC	Below MDC	Below MDC
WIPP East Surface Sample (0-2 cm)	SS-WEE-20140213-1.1	2/13/2014	Below MDC	Below MDC	Below MDC
WIPP East Intermediate Sample (2-5 cm)	SI-WEE-20140213-1.1	2/13/2014	Below MDC	Below MDC	Below MDC
WIPP East Deep Sample (5-10 cm)	SD-WEE-20140213-1.1	2/13/2014	Below MDC	Below MDC	Below MDC
WIPP South Surface Sample (0-2 cm)	SS-WSS-20140214-1.1	2/14/2014	Below MDC	Below MDC	Below MDC
WIPP South Intermediate Sample (2-5 cm)	SI-WSS-20140214-1.1	2/14/2014	Below MDC	Below MDC	Below MDC
WIPP South Deep Sample (5-10 cm)	SD-WSS-20140214-1.1	2/14/2014	Below MDC	Below MDC	Below MDC
WIPP Far Field Surface Sample (0-2 cm)	SS-WFF-20140217-1.2	2/17/2014	Below MDC	Below MDC	Below MDC
WIPP Far Field 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

4/4/2014 - 08:00 AM

Location/Depth	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/g)	Pu-238 (dpm/g)	Pu-239/240 (dpm/g)
GPS Location 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

4/4/2014 - 08:00 AM

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

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

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

MDC ranges are:

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

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

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

WIPP RECOVERY 1:00 DAILY MEETING ACTION LIST

Revised 4/4/2014 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

Revised 4/4/2014 pm

	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

Revised 4/4/2014 pm

	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

Revised 4/4/2014 pm

	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. 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

Revised 4/4/2014 pm

	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	tbd	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 4/4/2014 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	Respond to stakeholder questions received by NMED.	Kennedy	draft for internal review by 4/7	Bob Kehrman noted this will likely require a legal review before it can be released.
32	04/04/14	Ron	Relative to the additional CAMs being placed in the underground, what is the frequency of data collection and what is the output?	Kennedy	tbd	