

Allen, Pam, NMENV

From: Kliphuis, Trais, NMENV
Sent: Tuesday, July 01, 2014 12:12 PM
To: Allen, Pam, NMENV; Maestas, Ricardo, NMENV; Smith, Coleman, NMENV; Holmes, Steve, NMENV
Cc: Skibitski, Thomas, NMENV; LucasKamat, Susan, NMENV; Simon, Martin, NMENV; Kieling, John, NMENV
Subject: Fwd: CEMRC results and future analyses regarding WIPP event
Attachments: Radiation Detection Sampling Schedule Timeline 6-30-14.xlsx

Sent on a Sprint Samsung Galaxy Note® 3

----- Original message -----

From: Russell Hardy
Date: 07/01/2014 11:50 AM (GMT-07:00)
To: joe.franco@wipp.ws, "Roger Nelson (rmelson@wipp.ws)" , "Van Luik, Abraham - DOE (abraham.vanluik@wipp.ws)" , "Oba Vincent (oba.vincent@cbfo.doe.gov)"
Cc: "Kliphuis, Trais, NMENV" , "Flynn, Ryan, NMENV" , "Peake, Tom (Peake.Tom@epa.gov)" , economy.kathleen@epa.gov, walsh.jonathan@epa.gov, Punam Thakur , Jim Monk
Subject: CEMRC results and future analyses regarding WIPP event

Good morning all, attached are the latest results from ambient air and WIPP exhaust air analyses performed by CEMRC to date.

Also, I wanted to let you know that since the HEPA filter change out process has been completed and WIPP exhaust air activities appear to be stabilizing, CEMRC will return to a "normal" collection, analysis, and reporting process effective today (July 1, 2014). We will continue to retrieve Station A&B filters daily and will perform a gross alpha/beta scan on those; however, unless we see increased activity, we will not be performing emergency isotopic separation on those filters and instead, will wait until we have collected a quarter's worth of filters to process at one time. Also, the last few ambient air samples have all measured non-detectable activities; therefore, we will be returning to a multi-week collection on those - instead of weekly - allowing them to run until they load up with particulate to the point that airflow begins to diminish.

Doing so will allow us to start evaluating and interpreting data in order to produce an interim 2014 report that will encompass the underground fire and underground radiation event timeframe (2/5/14 - 6/30/14).

Therefore, we'll have one more set of ambient air filter analyses to report (week of Jun 20-27) as well as the week of June 2014 station A&B filters to report and then we'll effectively close the chapter on the WIPP radiation event unless increased activities develop. The results from these last few samples should be available late next week (July 11 or later).



Thanks and let me know if you have any questions, concerns, or need any additional information regarding CEMRC's environmental monitoring program.

Russell Hardy, Ph.D.

Director

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Sample ID #	Sampling Site	Date		Date		Date Rec. @ CEMRC	Time Rec. @ CEMRC	Date Anal. Started	Date Analysis Completed	Flow Rate	Minutes	Bq/M3 Conversion Factor	241Am		241Am		241Am Bq/M3 Gamma	239+240Pu Bq/Sample	239+240Pu Bq/M3	238Pu Bq/Sample	238Pu Bq/M3	137Cs Bq/Sample	137Cs Bq/M3		
		Installed	Time Installed	Removed	Time Removed								Bq/Sample Gamma Spectroscopy	Bq/Sample Alpha Spectroscopy											
29197	Near Field Hi-Vol #107	2/11/2014	11:54	2/16/2014	9:02	2/16/2014	13:00	2/16/2014	2/19/2014	1.13	7,028	7,942	0.645	0.000081	0.046	0.000006	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	
29199	Near Field Hi-Vol #107	2/16/2014	9:10	2/18/2014	10:03	2/18/2014	13:12	2/21/2014	2/24/2014	1.13	2,933	3,314	0.007	0.000002	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	
29202	Near Field Hi-Vol #107	2/18/2014	10:10	2/25/2014	18:02	2/25/2014	19:00	2/28/2014	3/13/2014	1.13	10,552	11,924	0.017	0.000001	0.005	0.000004	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	
30306	Near Field Hi-Vol #107	2/25/2014	18:05	3/4/2014	15:06	3/4/2014	19:00	3/21/2014	4/1/2014	1.13	9,901	11,188	0.004	0.000003	0.001	0.000001	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	
30308	Near Field Hi-Vol #107	3/4/2014	15:09	3/11/2014	10:01	3/11/2014	12:00	3/19/2014	4/1/2014	1.13	11,212	12,670	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	
30311	Near Field Hi-Vol #107	3/11/2014	10:09	3/21/2014	9:30	3/21/2014	12:00	3/21/2014	4/1/2014	1.13	14,361	16,228	0.002	0.000001	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	
30314	Near Field Hi-Vol #107	3/21/2014	9:34	3/29/2014	15:31	3/29/2014	19:00	4/1/2014	4/11/2014	1.13	11,877	13,421	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	
30317	Near Field Hi-Vol #107	3/29/2014	15:34	4/4/2014	10:00	4/4/2014	12:00	4/7/2014	4/11/2014	1.13	8,306	9,386	0.001	0.000001	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	
30320	Near Field Hi-Vol #107	4/4/2014	10:04	4/11/2014	9:56	4/11/2014	12:00	4/14/2014	4/25/2014	1.13	11,512	13,009	0.002	0.000002	0.001	0.000001	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	
30443	Near Field Hi-Vol #107	4/11/2014	9:59	4/19/2014	9:27	4/19/2014	12:00	4/21/2014	4/25/2014	1.13	11,488	12,981	n/d	n/d	0.002	0.000001	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	
30446	Near Field Hi-Vol #107	4/19/2014	9:30	4/25/2014	9:56	4/25/2014	12:00	4/28/2014	5/2/2014	1.13	8,666	9,793	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	
30449	Near Field Hi-Vol #107	4/25/2014	10:00	5/2/2014	9:33	5/2/2014	12:00	5/5/2014	5/8/2014	1.13	10,053	11,360	n/d	n/d	0.003	0.000003	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	
30524	Near Field Hi-Vol #107	5/2/2014	9:36	5/9/2014	9:30	5/9/2014	12:00	5/9/2014	5/14/2014	1.13	10,074	11,384	0.001	0.000001	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
30527	Near Field Hi-Vol #107	5/9/2014	9:34	5/16/2014	9:46	5/16/2014	12:00	5/19/2014	5/31/2014	1.13	10,092	11,404	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
30530	Near Field Hi-Vol #107	5/16/2014	9:49	5/23/2014	9:15	5/23/2014	12:00	5/27/2014	5/31/2014	1.13	10,046	11,352	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
30533	Near Field Hi-Vol #107	5/23/2014	9:20	6/6/2014	9:22	6/6/2014	12:00	6/9/2014	6/12/2014	1.13	10,710	12,102	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
30536	Near Field Hi-Vol #107	6/6/2014	10:00	6/13/2014	9:23	6/13/2014	12:00	6/16/2014	6/19/2014	1.13	10,043	11,349	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
30539	Near Field Hi-Vol #107	6/13/2014	9:27	6/20/2014	11:08	6/20/2014	12:00	6/23/2014	6/29/2014	1.13	10,181	11,505	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
30542	Near Field Hi-Vol #107	6/20/2014	11:11	6/27/2014	9:06	6/27/2014	12:00	6/30/2014		1.13	9,955	11,249	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
29198	Cactus Flats Hi-Vol #108	2/11/2014	12:39	2/16/2014	9:37	2/16/2014	13:00	2/16/2014	2/19/2014	1.13	6,838	7,727	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
29200	Cactus Flats Hi-Vol #108	2/16/2014	9:41	2/18/2014	10:43	2/18/2014	13:12	2/21/2014	2/24/2014	1.13	2,942	3,324	0.005	0.000014	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
30303	Cactus Flats Hi-Vol #108	2/18/2014	10:47	2/25/2014	15:09	2/25/2014	19:00	2/28/2014	3/13/2014	1.13	10,342	11,686	0.007	0.000006	0.001	0.000001	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
30304	Cactus Flats Hi-Vol #108	2/25/2014	15:14	3/4/2014	14:30	3/4/2014	19:00	3/21/2014	4/1/2014	1.13	10,036	11,341	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
30309	Cactus Flats Hi-Vol #108	3/4/2014	14:35	3/11/2014	10:55	3/11/2014	12:00	3/19/2014	4/1/2014	1.13	11,300	12,769	0.001	0.000001	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
30312	Cactus Flats Hi-Vol #108	3/11/2014	10:59	3/21/2014	9:58	3/21/2014	12:00	3/21/2014	4/1/2014	1.13	14,341	16,205	0.002	0.000001	0.002	0.000001	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
30315	Cactus Flats Hi-Vol #108	3/21/2014	10:03	3/29/2014	14:56	3/29/2014	19:00	4/1/2014	4/11/2014	1.13	11,813	13,349	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
30318	Cactus Flats Hi-Vol #108	3/29/2014	15:02	4/4/2014	10:26	4/4/2014	12:00	4/7/2014	4/11/2014	1.13	8,364	9,451	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
30321	Cactus Flats Hi-Vol #108	4/4/2014	10:28	4/11/2014	10:26	4/11/2014	12:00	4/14/2014	4/25/2014	1.13	11,518	13,015	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
30444	Cactus Flats Hi-Vol #108	4/11/2014	10:30	4/19/2014	9:57	4/19/2014	12:00	4/21/2014	4/25/2014	1.13	11,487	12,980	0.002	0.000001	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
30447	Cactus Flats Hi-Vol #108	4/19/2014	9:59	4/25/2014	10:28	4/25/2014	12:00	4/28/2014	5/2/2014	1.13	8,669	9,796	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
30450	Cactus Flats Hi-Vol #108	4/25/2014	10:30	5/2/2014	9:54	5/2/2014	12:00	5/5/2014	5/8/2014	1.13	10,044	11,350	n/d	n/d	0.001	0.000001	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
30525	Cactus Flats Hi-Vol #108	5/2/2014	9:56	5/9/2014	10:00	5/9/2014	12:00	5/9/2014	5/14/2014	1.13	10,076	11,386	0.003	0.000002	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
30528	Cactus Flats Hi-Vol #108	5/9/2014	10:33	5/16/2014	10:10	5/16/2014	12:00	5/19/2014	5/31/2014	1.13	10,057	11,364	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
30531	Cactus Flats Hi-Vol #108	5/16/2014	10:14	5/23/2014	9:41	5/23/2014	12:00	5/27/2014	5/31/2014	1.13	10,113	11,428	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
30534	Cactus Flats Hi-Vol #108	5/23/2014	9:43	6/6/2014	11:10	6/6/2014	12:00	6/9/2014	6/12/2014	1.13	20,247	22,879	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
30537	Cactus Flats Hi-Vol #108	6/6/2014	11:14	6/13/2014	9:54	6/13/2014	12:00	6/16/2014	6/19/2014	1.13	10,000	11,300	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
30540	Cactus Flats Hi-Vol #108	6/13/2014	9:56	6/20/2014	11:36	6/20/2014	12:00	6/23/2014	6/29/2014	1.13	10,180	11,503	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
30543	Cactus Flats Hi-Vol #108	6/20/2014	11:41	6/27/2014	9:30	6/27/2014	12:00	6/30/2014		1.13	9,949	11,242	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
29196	On-Site Hi-Vol #106	2/11/2014	10:16	2/18/2014	9:05	2/18/2014	13:12	2/21/2014	2/24/2014	1.13	10,011	11,312	1.30	0.000115	0.115	0.000102	0.004	0.000004	n/d	n/d	n/d	n/d	n/d	n/d	n/d
29201	On-Site Hi-Vol #106	2/18/2014	9:11	2/25/2014	17:15	2/25/2014	19:00	2/28/2014	3/13/2014	1.13	10,564	11,937	0.020	0.000002	0.004	0.000003	0.004	0.000003	n/d	n/d	n/d	n/d	n/d	n/d	n/d
30305	On-Site Hi-Vol #106	2/25/2014	17:19	3/4/2014	15:26	3/4/2014	19:00	3/21/2014	4/1/2014	1.13	9,967	11,263	0.007	0.000006	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
30307	On-Site Hi-Vol #106	3/4/2014	15:30	3/11/2014	9:02	3/11/2014	12:00	3/19/2014	4/1/2014	1.13	11,132	12,579	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
30310	On-Site Hi-Vol #106	3/11/2014	9:06	3/21/2014	8:39	3/21/2014	12:00	3/21/2014	4/1/2014	1.13	14,374	16,243	0.013	0.000008	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
30313	On-Site Hi-Vol #106	3/21/2014	8:41	3/29/2014	16:25	3/29/2014	19:00	4/1/2014	4/11/2014	1.13	11,984	13,542	0.002	0.000001	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
30316	On-Site Hi-Vol #106	3/29/2014	16:29	4/4/2014	8:54	4/4/2014	12:00	4/7/2014	4/11/2014	1.13	8,185	9,249	0.001	0.000002	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
30319	On-Site Hi-Vol #106	4/4/2014	8:57	4/11/2014	8:53	4/11/2014	12:00	4/14/2014	4/25/2014	1.13	11,516	13,013	0.002	0.000002	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
30322	On-Site Hi-Vol #106	4/11/2014	8:55	4/19/2014	7:46	4/19/2014	12:00	4/21/2014	4/25/2014	1.13	11,451	12,940	0.010	0.000008	0.002	0.000002	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
30445	On-Site Hi-Vol #106	4/19/2014	7:50	4/25/2014	9:15	4/25/2014	12:00	4/28/2014	5/2/2014	1.13	8,725	9,859	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
30448	On-Site Hi-Vol #106	4/25/2014	9:17	5/2/2014	8:55	5/2/2014	12:00	5/5/2014	5/8/2014	1.13	10,058	11,366	0.005	0.000004	0.005	0.000005	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d	n/d
30523	On-Site Hi-Vol #106	5/2/2014	8:58	5/9/2014	8:5																				

30424	Station A A2BU	3/16/2014	8:12	3/16/2014	16:07	3/16/2014	19:00	3/17/2014												
30425	Station A A2BU	3/16/2014	16:07	3/17/2014	0:07	3/17/2014	2:00	3/17/2014	3/28/2014	2.00	1.446	81.93	0.467	0.006	0.49	0.006	0.055	0.0007	0.003	0.00004
30426	Station A A2BU	3/17/2014	0:07	3/17/2014	8:35	3/17/2014	11:00	3/17/2014												
30427	Station A A2BU	3/17/2014	8:35	3/17/2014	16:10	3/17/2014	19:00	3/21/2014												
30428	Station A A2BU	3/17/2014	16:10	3/18/2014	0:01	3/18/2014	2:00	3/21/2014	3/28/2014	2.00	1.434	81.25	0.450	0.006	0.61	0.008	0.051	0.0006	0.002	0.00002
30429	Station A A2BU	3/18/2014	0:01	3/18/2014	8:40	3/18/2014	11:00	3/21/2014												
30430	Station A A2BU	3/18/2014	8:40	3/18/2014	16:04	3/18/2014	19:00	3/21/2014												
30431	Station A A2BU	3/18/2014	16:04	3/19/2014	0:15	3/19/2014	2:00	3/21/2014	3/28/2014	2.00	1.454	82.38	1.43	0.017	1.26	0.015	0.161	0.0020	0.005	0.00006
30432	Station A A2BU	3/19/2014	0:15	3/19/2014	8:40	3/19/2014	11:00	3/21/2014												
30433	Station A A2BU	3/19/2014	8:40	3/19/2014	16:28	3/19/2014	19:00	3/21/2014												
30434	Station A A2BU	3/19/2014	16:28	3/20/2014	0:05	3/20/2014	2:00	3/21/2014	3/28/2014	2.00	1.430	81.02	0.582	0.007	0.72	0.009	0.082	0.0010	0.003	0.00004
30435	Station A A2BU	3/20/2014	0:05	3/20/2014	8:29	3/20/2014	11:00	3/21/2014												
30436	Station A A2BU	3/20/2014	8:29	3/20/2014	16:15	3/20/2014	19:00	3/21/2014												
30437	Station A A2BU	3/20/2014	16:15	3/21/2014	0:05	3/21/2014	2:00	3/24/2014	3/28/2014	2.00	1.440	81.59	0.974	0.012	1.18	0.014	0.108	0.0013	0.006	0.00007
30438	Station A A2BU	3/21/2014	0:05	3/21/2014	8:00	3/21/2014	11:00	3/24/2014												
30439	Station A A2BU	3/21/2014	8:00	3/21/2014	16:00	3/21/2014	19:00	3/24/2014												
30472	Station A A2BU	3/21/2014	16:00	3/22/2014	0:10	3/22/2014	2:00	3/24/2014	3/28/2014	2.00	1.445	81.87	1.06	0.013	1.28	0.016	0.129	0.0016	0.006	0.00007
30473	Station A A2BU	3/22/2014	0:10	3/22/2014	8:40	3/22/2014	11:00	3/24/2014												
30474	Station A A2BU	3/22/2014	8:40	3/22/2014	16:27	3/22/2014	19:00	3/24/2014												
30475	Station A A2BU	3/22/2014	16:27	3/23/2014	0:15	3/23/2014	2:00	3/24/2014	3/28/2014	2.00	1.445	81.87	0.736	0.009	0.87	0.011	0.085	0.0010	0.004	0.00005
30476	Station A A2BU	3/23/2014	0:15	3/23/2014	8:31	3/23/2014	11:00	3/24/2014												
30477	Station A A2BU	3/23/2014	8:31	3/23/2014	16:26	3/23/2014	19:00	3/24/2014												
30478	Station A A2BU	3/23/2014	16:26	3/24/2014	0:15	3/24/2014	2:00	3/24/2014	3/28/2014	2.00	1.440	81.59	1.57	0.019	1.54	0.019	0.153	0.0019	0.007	0.00009
30479	Station A A2BU	3/24/2014	0:15	3/24/2014	8:45	3/24/2014	11:00	3/24/2014												
30480	Station A A2BU	3/24/2014	8:45	3/24/2014	16:30	3/24/2014	19:00	3/27/2014												
30387	Station A A2BU	3/24/2014	16:30	3/25/2014	0:15	3/25/2014	2:00	3/27/2014	4/6/2014	2.00	1.440	81.59	1.53	0.019	1.58	0.019	0.171	0.0021	0.007	0.00008
30388	Station A A2BU	3/25/2014	0:15	3/25/2014	8:06	3/25/2014	11:00	3/27/2014												
30389	Station A A2BU	3/25/2014	8:06	3/25/2014	16:30	3/25/2014	19:00	3/27/2014												
30390	Station A A2BU	3/25/2014	16:30	3/26/2014	0:33	3/26/2014	2:00	3/27/2014	4/6/2014	2.00	1.458	82.61	1.06	0.013	1.12	0.014	0.125	0.0015	0.005	0.00006
30391	Station A A2BU	3/26/2014	0:33	3/26/2014	8:35	3/26/2014	11:00	3/27/2014												
30392	Station A A2BU	3/26/2014	8:35	3/26/2014	16:15	3/26/2014	19:00	3/27/2014												
30481	Station A A2BU	3/26/2014	16:15	3/27/2014	0:01	3/27/2014	2:00	3/27/2014	4/6/2014	2.00	1.408	79.77	1.02	0.013	0.84	0.011	0.094	0.0012	0.004	0.00005
30482	Station A A2BU	3/27/2014	0:01	3/27/2014	8:01	3/27/2014	11:00	3/27/2014												
30492	Station A A2BU	3/27/2014	8:01	3/27/2014	15:55	3/27/2014	19:00	3/28/2014												
30493	Station A A2BU	3/27/2014	15:55	3/28/2014	0:16	3/28/2014	2:00	3/28/2014	4/6/2014	2.00	1.455	82.46	0.634	0.008	0.61	0.007	0.064	0.0008	0.004	0.00004
30578	Station A A2BU	3/28/2014	0:16	3/28/2014	8:30	3/28/2014	11:00	3/28/2014												
30579	Station A A2BU	3/28/2014	8:30	3/28/2014	16:20	3/28/2014	19:00	3/31/2014												
30580	Station A A2BU	3/28/2014	16:20	3/29/2014	0:00	3/29/2014	2:00	3/31/2014	4/6/2014	2.00	1.424	80.68	1.71	0.021	2.04	0.025	0.220	0.0027	0.011	0.00013
30581	Station A A2BU	3/29/2014	0:00	3/29/2014	8:55	3/29/2014	11:00	3/31/2014												
30582	Station A A2BU	3/29/2014	8:55	3/29/2014	16:15	3/29/2014	19:00	3/31/2014												
30503	Station A A2BU	3/29/2014	16:15	3/29/2014	23:40	3/30/2014	2:00	3/31/2014	4/6/2014	2.00	1.420	80.45	0.517	0.006	0.61	0.008	0.085	0.0011	0.005	0.00006
30504	Station A A2BU	3/29/2014	23:40	3/30/2014	8:40	3/30/2014	11:00	3/31/2014												
30505	Station A A2BU	3/30/2014	8:40	3/30/2014	16:15	3/30/2014	19:00	3/31/2014												
30506	Station A A2BU	3/30/2014	16:15	3/31/2014	0:35	3/31/2014	2:00	3/31/2014	4/6/2014	2.00	1.435	81.30	0.360	0.004	0.56	0.007	0.052	0.0006	0.002	0.00002
30507	Station A A2BU	3/31/2014	0:35	3/31/2014	8:25	3/31/2014	11:00	4/1/2014												
30508	Station A A2BU	3/31/2014	8:25	3/31/2014	16:20	3/31/2014	19:00	4/1/2014												
30509	Station A A2BU	3/31/2014	16:20	4/1/2014	0:00	4/1/2014	19:00	4/2/2014	4/6/2014	2.00	1.395	79.04	0.264	0.003	0.30	0.004	0.033	0.0004	0.002	0.00002
30511	Station A A2BU	4/1/2014	0:00	4/1/2014	8:15	4/1/2014	11:00	4/1/2014												
30518	Station A A2BU	4/1/2014	8:15	4/1/2014	16:06	4/1/2014	19:00	4/2/2014												
30519	Station A A2BU	4/1/2014	16:06	4/2/2014	0:20	4/2/2014	11:00	4/2/2014	4/11/2014	2.00	1.460	82.72	0.484	0.006	0.47	0.006	0.057	0.0007	0.003	0.00004
30520	Station A A2BU	4/2/2014	0:20	4/2/2014	8:40	4/2/2014	11:00	4/2/2014												
30521	Station A A2BU	4/2/2014	8:40	4/2/2014	16:25	4/2/2014	19:00	4/3/2014												
30522	Station A A2BU	4/2/2014	16:25	4/3/2014	0:30	4/3/2014	11:00	4/3/2014	4/11/2014	2.00	1.450	82.15	0.694	0.008	0.56	0.007	0.064	0.0008	0.002	0.00003
30593	Station A A2BU	4/3/2014	0:30	4/3/2014	8:42	4/3/2014	11:00	4/3/2014												
30594	Station A A2BU	4/3/2014	8:42	4/3/2014	16:34	4/3/2014	19:00	4/4/2014												
30595	Station A A2BU	4/3/2014	16:34	4/4/2014	0:20	4/4/2014	11:00	4/4/2014	4/11/2014	2.00	1.426	80.79	0.624	0.008	0.89	0.011	0.080	0.0010	0.002	0.00003
30596	Station A A2BU	4/4/2014	0:20	4/4/2014	8:00	4/4/2014	11:00	4/4/2014												
30597	Station A A2BU	4/4/2014	8:00	4/4/2014	16:00	4/4/2014	19:00	4/7/2014												
30598	Station A A2BU	4/4/2014	16:00	4/5/2014	0:10	4/5/2014	11:00	4/7/2014	4/11/2014	2.00	1.430	81.03	0.680	0.008	0.76	0.009	0.089	0.0011	0.004	0.00005
30599	Station A A2BU	4/5/2014	0:10	4/5/2014	8:15	4/5/2014	11:00	4/7/2014												
30600	Station A A2BU	4/5/2014	8:15	4/5/2014	16:15	4/5/2014	19:00	4/7/2014												
30601	Station A A2BU	4/5/2014	16:15	4/6/2014	0:02	4/6/2014	11:00	4/7/2014	4/11/2014	2.00	1.432	81.13	0.160	0.002	0.35	0.004	0.045	0.0006	0.001	0.00002
30592	Station A A2BU	4/6/2014	0:02	4/6/2014	8:13	4/6/2014	11:00	4/7/2014												
30618	Station A A2BU	4/6/2014	8:13	4/6/2014	16:15	4/6/2014	19:00	4/7/2014												
30619	Station A A2BU	4/6/2014	16:15	4/7/2014	0:05	4/7/2014	11:00	4/7/2014	4/11/2014	2.00	1.443	81.76	0.446	0.005	0.40	0.005	0.040	0.0005	0.002	0.00002
30620	Station A A2BU	4/7/2014	0:05	4/7/2014	8:15	4/7/2014	11:00	4/7/2014												
30621	Station A A2BU	4/7/2014	8:15	4/7/2014	16:20	4/7/2014	19:00	4/8/2014												
30622	Station A A2BU	4/7/2014	16:20	4/8/2014	0:01	4/8/2014	11:00	4/8/2014	4/18/2014	2.00	1.436	81.36	n/d	n/d	0.27	0.003	0.035	0.0004	0.002	

Sampling Site	Distance to WIPP Exhaust Shaft	Date Removed	241Am Bq/Sample	239+240Pu Bq/Sample	238Pu Bq/Sample
Near Field Hi-Vol	0.6 Mile NW	2/16/2014	0.645	0.046	n/d
Near Field Hi-Vol		2/18/2014	0.007	n/d	n/d
Near Field Hi-Vol		2/25/2014	0.017	0.005	n/d
Cactus Flats Hi-Vol	12 Miles SE	2/16/2014	n/d	n/d	n/d
Cactus Flats Hi-Vol		2/18/2014	0.005	n/d	n/d
Cactus Flats Hi-Vol		2/25/2014	0.007	0.001	n/d
On-Site Hi-Vol	300 Feet	2/18/2014	1.30	0.115	0.004
On-Site Hi-Vol		2/25/2014	0.020	0.004	0.004
<i>Highest Activity (Pre-Event)</i>			<i>0.0005</i>	<i>0.004</i>	<i>0.004</i>