CEMRC Radiological Results Station A

2015 Station A (WIPP Exhaust Pre-HEPA Filter)							
Date/Time Installed	**Date/Time Removed**	**241Am Bq/Sample Alpha Spectroscopy**	**241Am Bq/m3* Alpha**	**239+240Pu Bq/Sample Alpha**	**239+240Pu Bq/m3* Alpha**	**238Pu Bq/Sample Alpha**	**238Pu Bq/m3* Alpha**
1/1/15, 8:52	1/8/15, 7:30	2.26E+00	3.99E-03	2.36E-01	4.17E-04	8.34E-03	1.47E-05
1/8/15, 7:32	1/15/15, 7:35	1.85E+00	3.23E-03	2.00E-01	3.50E-04	9.12E-03	1.60E-05
1/15/15, 7:37	1/22/15, 7:35	2.92E+00	5.14E-03	3.68E-01	6.48E-04	1.68E-02	2.96E-05
1/22/15, 7:37	2/1/15, 7:30	1.92E+00	2.36E-03	2.78E-01	3.41E-04	1.14E-02	1.40E-05
2/1/15, 7:32	2/8/15, 7:55	7.88E-01	1.40E-03	8.58E-02	1.52E-04	3.84E-03	6.80E-06
2/8/15, 7:57	2/15/15, 7:50	1.84E+00	3.23E-03	2.02E-01	3.54E-04	1.10E-02	1.93E-05
2/15/15, 7:52	2/22/15, 8:05	1.73E+00	3.18E-03	2.12E-01	3.90E-04	1.12E-02	2.06E-05
2/22/15, 8:07	3/1/15, 7:55	8.60E-01	1.58E-03	9.96E-02	1.84E-04	3.22E-03	5.93E-06
3/1/15, 7:57	3/8/15, 8:10	5.46E-01	9.63E-04	6.78E-02	1.20E-04	3.20E-03	5.64E-06
3/8/15, 8:12	3/15/15, 7:55	6.78E-01	1.19E-03	8.50E-02	1.50E-04	1.18E-02	2.08E-05
3/15/15, 7:57	3/22/15, 7:20	4.18E-01	7.78E-04	4.74E-02	8.82E-05	2.94E-03	5.47E-06
3/22/15, 7:22	4/1/15, 7:35	1.48E+00	1.89E-03	1.75E-01	2.24E-04	1.08E-02	1.38E-05
4/1/15, 7:37	4/8/15, 7:44	2.57E-01	5.43E-04	1.74E-02	3.68E-05	2.52E-03	5.33E-06
4/8/15, 7:46	4/15/15, 7:38	6.14E-01	1.08E-03	7.26E-02	1.28E-04	4.70E-03	8.28E-06
4/15/15, 7:40	4/22/15, 8:10	6.40E+00	1.13E-02	6.68E-01	1.18E-03	3.20E-02	5.65E-05
4/22/15, 8:12	5/1/15, 7:36	4.81E+01	6.59E-02	5.10E+00	6.99E-03	2.46E-01	3.37E-04
5/1/15, 7:38	5/8/15, 7:38	1.99E+00	3.56E-03	1.99E-01	3.56E-04	1.05E-02	1.88E-05
5/8/15, 7:40	5/15/15, 7:34	2.50E+01	4.49E-02	2.17E+00	3.91E-03	1.78E-01	3.20E-04
5/15/15, 7:36	5/22/15, 7:35	1.56E+00	2.75E-03	1.57E-01	2.77E-04	7.50E-03	1.32E-05
5/22/15, 7:37	6/1/15, 7:41	1.14E+00	1.41E-03	1.38E-01	1.72E-04	4.66E-03	5.79E-06
6/1/15, 7:43	6/8/15, 7:42	2.14E-01	4.02E-04	2.02E-02	3.80E-05	1.37E-03	2.57E-06
6/8/15, 7:44	6/15/15, 7:37	3.16E-01	6.21E-04	2.80E-02	5.50E-05	4.48E-03	8.80E-06
6/15/15, 7:39	6/22/15, 7:40	1.57E-01	2.84E-04	1.85E-02	3.35E-05	1.71E-03	3.09E-06
6/22/15, 7:42	7/1/15, 7:39	1.05E+00	1.53E-03	1.18E-01	1.72E-04	4.04E-03	5.90E-06
7/1/15, 7:41	7/8/15, 8:14	1.01E+00	1.82E-03	4.63E-02	8.36E-05	1.96E-03	3.54E-06
7/8/15, 8:16	7/15/15, 7:33	9.90E-01	1.80E-03	1.17E-01	2.13E-04	4.90E-03	8.90E-06
7/15/15, 7:35	7/22/15, 7:38	6.76E-01	1.20E-03	7.72E-02	1.37E-04	3.95E-03	6.99E-06
7/22/15, 7:40	8/1/15, 8:55	5.14E-01	6.41E-04	7.14E-02	8.91E-05	4.42E-03	5.51E-06
8/1/15, 8:57	8/8/15, 7:50	2.00E+00	3.64E-03	2.68E-01	4.87E-04	1.40E-02	2.55E-05
8/8/15, 7:52	8/15/15, 7:40	1.48E+00	2.68E-03	1.59E-01	2.88E-04	9.34E-03	1.69E-05
8/15/15, 7:42	8/22/15, 7:40	6.12E-01	1.13E-03	7.08E-02	1.31E-04	2.84E-03	5.26E-06
8/22/15, 7:42	9/1/15, 7:31	9.72E-01	1.25E-03	1.18E-01	1.51E-04	5.74E-03	7.37E-06
9/1/15, 7:33	9/8/15, 7:40	1.29E+00	2.32E-03	1.34E-01	2.41E-04	6.30E-03	1.13E-05
9/8/15, 7:42	9/15/15, 7:35	1.46E+00	2.62E-03	1.69E-01	3.04E-04	7.68E-03	1.38E-05
9/15/15, 7:37	9/22/15, 7:45	1.44E+00	2.58E-03	1.71E-01	3.06E-04	9.36E-03	1.68E-05
9/22/15, 7:47	10/1/15, 7:35	6.36E-01	8.77E-04	6.66E-02	9.18E-05	4.78E-03	6.59E-06
10/1/15, 7:37	10/8/15, 7:39	2.14E-01	3.78E-04	2.40E-02	4.24E-05	2.20E-03	3.89E-06
10/8/15, 7:41	10/15/15, 7:35	2.04E-01	3.60E-04	2.70E-02	4.77E-05	1.29E-03	2.28E-06
10/15/15, 7:37	10/22/15, 7:47	1.12E+00	1.97E-03	1.09E-01	1.93E-04	5.80E-03	1.03E-05
10/22/15, 7:49	11/1/15, 8:10	1.15E+00	1.42E-03	1.09E-01	1.34E-04	5.30E-03	6.54E-06
11/1/15, 8:12	11/8/15, 7:50	1.15E+00	2.03E-03	1.35E-01	2.38E-04	5.20E-03	9.17E-06
11/8/15, 7:52	11/15/15, 9:25	1.07E+00	1.88E-03	1.39E-01	2.44E-04	8.24E-03	1.45E-05
11/15/15, 9:27	11/22/15, 7:40	7.12E-01	1.27E-03	7.22E-02	1.29E-04	3.78E-03	6.74E-06
11/22/15, 7:42	12/1/15, 7:45	1.34E+00	1.83E-03	1.42E-01	1.94E-04	8.20E-03	1.12E-05
12/1/15, 7:47	12/8/15, 7:44	7.98E-01	1.40E-03	1.05E-01	1.84E-04	5.58E-03	9.79E-06
12/8/15, 7:46	12/15/15, 7:40	7.56E-01	1.29E-03	1.07E-01	1.92E-04	5.10E-03	9.13E-06
12/15/15, 7:42	12/22/15, 7:41	7.16E-01	1.27E-03	8.80E-02	1.56E-04	5.30E-03	9.39E-06
12/22/15, 7:43	1/1/16, 8:30	8.06E-01	9.86E-04	9.60E-02	1.17E-04	3.16E-03	3.86E-06
n/d = no detection or activities below minimum detectable concentrations							
Bq/m3* = Total activity is converted to activity per cubic meter (m3) using flow rate and time							

CEMRC Radiological Results Station B

2015 Station B (WIPP Exhaust Post-HEPA Filter)							
Date/Time Installed	**Date/Time Removed**	**241Am Bq/Sample Alpha Spectroscopy**	**241Am Bq/m3* Alpha**	**239+240Pu Bq/Sample Alpha**	**239+240Pu Bq/m3* Alpha**	**238Pu Bq/Sample Alpha**	**238Pu Bq/m3* Alpha**
1/1/15, 9:22	1/8/15, 7:45	2.34E-02	4.00E-05	2.28E-03	3.89E-06	n/d	n/d
1/8/15, 7:47	1/15/15, 7:50	2.54E-02	4.29E-05	3.14E-03	5.30E-06	n/d	n/d
1/15/15, 7:52	1/22/15, 7:45	1.27E-02	2.15E-05	1.06E-03	1.80E-06	n/d	n/d
1/22/15, 7:46	2/1/15, 8:00	1.25E-02	1.48E-05	2.60E-03	3.07E-06	n/d	n/d
2/1/15, 8:02	2/8/15, 8:30	9.20E-03	1.55E-05	7.22E-04	1.22E-06	n/d	n/d
2/8/15, 8:32	2/15/15, 8:20	4.50E-03	7.62E-06	9.94E-04	1.68E-06	n/d	n/d
2/15/15, 8:22	2/22/15, 8:55	9.00E-01	1.52E-03	1.06E-01	1.78E-04	4.16E-03	7.00E-06
2/22/15, 8:57	3/1/15, 8:30	4.80E-02	7.96E-05	5.76E-03	9.55E-06	n/d	n/d
3/1/15, 8:32	3/8/15, 8:40	1.87E-01	3.16E-04	1.90E-02	3.21E-05	1.27E-03	2.14E-06
3/8/15, 8:42	3/15/15, 8:30	3.84E-02	6.50E-05	4.20E-03	7.11E-06	n/d	n/d
3/15/15, 8:32	3/22/15, 7:55	3.60E-02	6.11E-05	4.66E-03	7.90E-06	n/d	n/d
3/22/15, 7:57	4/1/15, 7:56	3.88E-02	4.59E-05	n/d	n/d	n/d	n/d
4/1/15, 7:58	4/8/15, 8:12	1.16E-02	1.96E-05	4.72E-03	7.96E-06	n/d	n/d
4/8/15, 8:14	4/15/15, 7:56	3.03E-03	5.14E-06	1.16E-03	1.97E-06	n/d	n/d
4/15/15, 7:58	4/22/15, 8:26	4.92E-02	8.29E-05	6.96E-03	1.17E-05	n/d	n/d
4/22/15, 8:28	5/1/15, 7:58	2.40E-02	3.16E-05	2.52E-03	3.32E-06	n/d	n/d
5/1/15, 8:00	5/8/15, 7:55	1.38E-02	2.34E-05	2.44E-03	4.13E-06	n/d	n/d
5/8/15, 7:57	5/15/15, 7:54	1.21E-01	2.12E-04	1.42E-02	2.49E-05	8.14E-04	1.42E-06
5/15/15, 7:55	5/22/15, 7:52	5.60E-02	9.47E-05	7.04E-03	1.19E-05	n/d	n/d
5/22/15, 7:54	6/1/15, 7:56	8.94E-03	1.06E-05	n/d	n/d	n/d	n/d
6/1/15, 7:58	6/8/15, 7:58	1.93E-02	3.27E-05	3.10E-03	5.26E-06	n/d	n/d
6/8/15, 8:00	6/15/15, 7:58	2.40E-02	4.20E-05	1.79E-03	3.13E-06	n/d	n/d
6/15/15, 8:00	6/22/15, 7:52	1.87E-02	3.17E-05	2.02E-03	3.42E-06	n/d	n/d
6/22/15, 7:54	7/1/15, 7:53	5.28E-03	6.96E-06	n/d	n/d	n/d	n/d
7/1/15, 7:55	7/8/15, 8:30	1.35E-01	2.27E-04	1.72E-02	2.90E-05	4.16E-03	7.01E-06
7/8/15, 8:32	7/15/15, 7:46	8.96E-02	1.52E-04	1.05E-02	1.79E-05	n/d	n/d
7/15/15, 7:48	7/22/15, 7:57	7.60E-01	1.29E-03	9.88E-02	1.68E-04	3.70E-03	6.28E-06
7/22/15, 7:59	8/1/15, 8:35	7.12E-02	8.44E-05	8.92E-03	1.06E-05	n/d	n/d
8/1/15, 8:37	8/8/15, 8:15	6.30E-02	1.07E-04	8.56E-03	1.45E-05	n/d	n/d
8/8/15, 8:17	8/15/15, 8:00	7.34E-02	1.26E-04	7.72E-03	1.32E-05	n/d	n/d
8/15/15, 8:02	8/22/15, 8:20	1.55E-01	2.62E-04	1.83E-02	3.09E-05	1.04E-03	1.76E-06
8/22/15, 8:22	9/1/15, 7:47	8.28E-02	9.83E-05	9.42E-03	1.12E-05	n/d	n/d
9/1/15, 7:49	9/8/15, 7:55	1.36E-01	2.30E-04	1.60E-02	2.70E-05	n/d	n/d
9/8/15, 7:57	9/15/15, 7:53	4.06E-02	6.87E-05	7.90E-03	1.34E-05	n/d	n/d
9/15/15, 7:55	9/22/15, 8:00	1.63E-02	2.76E-05	1.05E-03	1.78E-06	n/d	n/d
9/22/15, 8:02	10/1/15, 7:52	4.02E-02	5.30E-05	4.82E-03	6.35E-06	n/d	n/d
10/1/15, 7:54	10/8/15, 7:52	6.38E-02	1.08E-04	6.42E-03	1.09E-05	n/d	n/d
10/8/15, 7:54	10/15/15, 7:53	1.98E-02	3.35E-05	3.40E-03	5.75E-06	n/d	n/d
10/15/15, 7:55	10/22/15, 8:10	5.20E-02	8.79E-05	2.36E-03	3.99E-06	n/d	n/d
10/22/15, 8:12	11/1/15, 8:40	2.34E-02	2.76E-05	3.78E-03	4.46E-06	n/d	n/d
11/01/15, 8:42	11/8/15, 8:05	4.64E-02	7.94E-05	5.60E-03	9.58E-06	n/d	n/d
11/8/15, 8:07	11/15/15, 8:55	7.32E-02	1.24E-04	8.52E-03	1.45E-05	n/d	n/d
11/15/15, 8:57	11/22/15, 8:15	2.92E-02	5.01E-05	2.56E-03	4.39E-06	n/d	n/d
11/22/15, 8:17	12/1/15, 8:04	3.44E-03	4.57E-06	n/d	n/d	n/d	n/d
12/1/15, 8:06	12/8/15, 8:09	1.82E-02	3.11E-05	2.48E-03	4.24E-06	n/d	n/d
12/8/15, 8:11	12/15/15, 8:05	8.44E-03	1.44E-05	1.24E-03	2.12E-06	n/d	n/d
12/15/15, 8:07	12/22/15, 8:00	5.24E-03	8.96E-06	n/d	n/d	n/d	n/d
12/22/15, 8:02	1/1/16, 8:50	5.00E-03	5.96E-06	n/d	n/d	n/d	n/d
n/d = no detection or activities below minimum detectable concentrations							
Bq/m3* = Total activity is converted to activity per cubic meter (m3) using flow rate and time							