

CEMRC Radiological Results Station A

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
1/1/17, 8:12	1/8/17, 8:40	4.58E-01	8.28E-04	5.20E-02	9.40E-05	4.88E-03	8.82E-06
1/8/17, 8:42	1/15/17, 10:15	5.20E-01	9.22E-04	6.32E-02	1.12E-04	4.50E-02	7.98E-05
1/15/17, 10:17	1/22/17, 8:50	2.71E-01	4.76E-04	4.18E-02	7.34E-05	4.18E-03	7.34E-06
1/22/17, 8:52	2/1/17, 8:42	6.22E-01	7.63E-04	6.24E-02	7.66E-05	3.42E-03	4.20E-06
2/1/17, 8:44	2/8/17, 8:44	6.76E-01	1.21E-03	7.80E-02	1.40E-04	4.72E-03	8.47E-06
2/8/17, 8:46	2/15/17, 8:50	4.24E-01	7.60E-04	6.24E-02	1.12E-04	3.90E-03	6.99E-06
2/15/17, 8:52	2/22/17, 8:39	3.86E-01	7.02E-04	5.86E-02	1.07E-04	4.82E-03	8.77E-06
2/22/17, 8:41	3/1/17, 8:37	6.88E-01	1.25E-03	1.33E-01	2.41E-04	5.82E-03	1.05E-05
3/1/17, 8:39	3/8/17, 8:47	6.14E-01	1.10E-03	7.36E-02	1.32E-04	4.02E-03	7.23E-06
3/8/17, 8:49	3/15/17, 8:50	3.22E-01	6.01E-04	3.60E-02	6.72E-05	3.24E-03	6.05E-06
3/15/17, 8:54	3/22/17, 8:42	2.20E-01	4.37E-04	2.02E-02	4.01E-05	2.84E-03	5.64E-06
3/22/17, 8:44	4/1/17, 9:30	7.60E-01	1.13E-03	1.71E-01	2.53E-04	5.84E-03	8.65E-06
4/1/17, 9:32	4/8/17, 9:22	1.24E-01	2.60E-04	2.10E-02	4.41E-05	7.50E-04	1.57E-06
4/8/17, 9:24	4/15/17, 9:00	1.08E-01	2.29E-04	1.06E-02	2.25E-05	1.53E-03	3.24E-06
4/15/17, 9:02	4/22/17, 8:30	2.34E-01	5.40E-04	2.06E-02	4.75E-05	2.02E-03	4.66E-06
4/22/17, 8:32	5/1/17, 8:44	2.18E-01	3.11E-04	2.16E-02	3.08E-05	2.90E-03	4.13E-06
5/1/17, 8:46	5/8/17, 8:40	2.29E-01	4.02E-04	3.42E-02	6.00E-05	1.69E-03	2.96E-06
5/8/17, 8:42	5/15/17, 8:47	1.91E-01	3.35E-04	2.46E-02	4.31E-05	1.75E-03	3.07E-06
5/15/17, 8:49	5/22/17, 8:45	1.67E-01	2.93E-04	2.34E-02	4.10E-05	1.47E-03	2.58E-06
5/22/17, 8:47	6/1/17, 8:50	2.52E-01	3.09E-04	2.58E-02	3.16E-05	3.76E-03	4.61E-06
6/1/17, 8:52	6/8/17, 8:25	6.00E-02	1.13E-04	2.22E-02	4.19E-05	2.74E-03	5.17E-06
6/8/17, 8:27	6/15/17, 8:45	1.12E+00	2.14E-03	2.66E-01	5.09E-04	1.16E-02	2.22E-05
6/15/17, 8:47	6/22/17, 8:45	1.17E+00	2.07E-03	1.85E-01	3.28E-04	1.12E-02	1.98E-05
6/22/17, 8:47	6/27/17, 14:30	5.24E-02	1.23E-04	4.26E-03	9.98E-06	9.62E-04	2.25E-06
7/6/17, 17:25	7/8/17, 9:36	1.71E-02	1.25E-04	1.59E-03	1.16E-05	2.48E-04	1.82E-06
7/8/17, 9:38	7/15/17, 8:30	1.65E-01	2.91E-04	2.66E-02	4.69E-05	2.66E-03	4.69E-06
7/15/17, 8:32	7/22/17, 9:35	4.54E-02	7.91E-05	5.64E-03	9.82E-06	3.04E-03	5.29E-06
7/22/17, 9:37	8/1/17, 8:39	2.26E-01	2.78E-04	4.36E-02	5.37E-05	6.58E-03	8.11E-06
8/1/17, 8:41	8/8/17, 8:35	7.62E-02	1.34E-04	1.59E-02	2.79E-05	3.00E-03	5.26E-06
8/8/17, 8:37	8/15/17, 8:35	3.98E-02	6.98E-05	5.96E-03	1.04E-05	2.32E-03	4.07E-06
8/15/17, 8:36	8/22/17, 8:45	4.16E-02	7.28E-05	7.44E-03	1.30E-05	1.53E-03	2.68E-06
8/22/17, 8:47	9/1/17, 8:22	8.70E-02	1.07E-04	1.21E-02	1.49E-05	2.22E-03	2.73E-06
9/1/17, 8:24	9/8/17, 8:36	8.08E-01	1.41E-03	1.21E-01	2.12E-04	5.34E-03	9.35E-06
9/8/17, 8:38	9/15/17, 8:50	9.22E-01	1.61E-03	1.23E-01	2.15E-04	8.40E-03	1.47E-05
9/15/17, 8:52	9/22/17, 8:33	3.98E-01	6.99E-04	4.40E-02	7.73E-05	3.94E-03	6.92E-06
9/22/17, 8:35	10/1/17, 9:05	1.02E-01	1.39E-04	1.20E-02	1.63E-05	1.40E-03	1.90E-06
10/1/17, 9:07	10/8/17, 10:15	1.87E-02	3.26E-05	3.00E-03	5.24E-06	n/d	n/d
10/8/17, 10:17	10/15/17, 9:00	3.68E-01	6.75E-04	3.94E-02	7.22E-05	1.51E-03	2.77E-06
10/15/17, 9:02	10/22/17, 9:24	5.92E-01	1.04E-03	7.30E-02	1.28E-04	4.06E-03	7.10E-06
10/22/17, 9:26	11/1/17, 8:45	1.16E+00	1.43E-03	1.40E-01	1.72E-04	6.46E-03	7.95E-06
11/1/17, 8:47	11/8/17, 9:05	2.42E-01	4.23E-04	3.14E-02	5.49E-05	1.71E-03	2.99E-06
11/8/17, 9:07	11/15/17, 7:25	1.30E-01	2.30E-04	1.41E-02	2.50E-05	7.26E-04	1.29E-06
11/15/17, 7:27	11/22/17, 9:05	2.90E-01	5.22E-04	3.44E-02	6.20E-05	2.72E-03	4.90E-06
11/22/17, 9:07	12/1/17, 8:40	3.16E-01	4.32E-04	3.58E-02	4.89E-05	2.28E-03	3.11E-06
12/1/17, 8:42	12/18/17, 8:34	2.14E-01	3.75E-04	2.86E-02	5.02E-05	1.82E-03	3.19E-06
12/8/17, 8:36	12/15/17, 8:35	2.20E-01	3.87E-04	2.94E-02	5.17E-05	2.96E-03	5.20E-06
12/15/17, 8:37	12/22/17, 8:35	1.29E-01	2.26E-04	1.57E-02	2.75E-05	1.36E-03	2.38E-06
12/22/17, 8:37	1/11/18, 9:35	2.76E-01	3.37E-04	3.22E-02	3.93E-05	2.06E-03	2.52E-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

2017 Station B (WIPP Exhaust Post-HEPA Filter)

Date/Time Installed	Date/Time Removed	²⁴¹ Am Bq/Sample Alpha Spectroscopy	²⁴¹ Am Bq/m ³ * Alpha	²³⁹⁺²⁴⁰ Pu Bq/Sample Alpha	²³⁹⁺²⁴⁰ Pu Bq/m ³ * Alpha	²³⁸ Pu Bq/Sample Alpha	²³⁸ Pu Bq/m ³ * Alpha
1/1/17, 8:52	2/1/17, 7:55	2.72E-02	1.07E-05	2.90E-03	1.14E-06	n/d	n/d
2/1/17, 7:57	3/1/17, 7:54	2.22E-02	9.66E-06	n/d	n/d	n/d	n/d
3/1/17, 8:52	4/1/17, 10:25	3.48E-02	1.38E-05	3.00E-03	1.19E-06	n/d	n/d
4/1/17, 10:30	5/1/17, 8:58	7.38E-03	3.04E-06	1.04E-03	4.28E-07	n/d	n/d
5/1/17, 9:00	6/1/17, 8:30	2.76E-02	1.09E-05	3.24E-03	1.28E-06	n/d	n/d
6/1/17, 8:32	6/27/17, 13:40	1.67E-02	8.07E-06	7.82E-04	3.78E-07	n/d	n/d
7/6/17, 17:45	8/1/17, 8:53	1.23E-02	5.84E-06	1.68E-03	7.98E-07	n/d	n/d
8/1/17, 8:55	9/1/17, 8:31	1.14E-02	4.48E-06	1.07E-03	4.21E-07	n/d	n/d
9/1/17, 8:33	10/1/17, 9:35	1.44E-02	5.84E-06	2.32E-03	9.40E-07	n/d	n/d
10/1/17, 9:37	11/1/17, 8:55	1.90E-02	7.47E-06	2.30E-03	9.04E-07	n/d	n/d
11/1/17, 8:57	12/1/17, 9:00	1.92E-02	7.83E-06	1.59E-03	6.48E-07	n/d	n/d
12/1/17, 9:02	1/1/18, 10:05	3.10E-02	1.22E-05	6.06E-03	2.38E-06	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