

CEMRC Radiological Results Station A (Pre-HEPA filter)

Station A (WIPP Exhaust Pre-HEPA Filter)									
Date/Time Installed	Date/Time Removed	241Am Bq/Sample Gamma Spectroscopy	241Am Bq/m3* Gamma	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
2/14/14, 07:43	2/15/14, 06:30	96,333.33	1,364.95	306,000.00	4,335.71	47,400.00	671.61	2,140.00	30.32
2/15/14, 06:30	2/15/14, 08:40	3,830.00	520.00	8,660.00	1,175.76	1,374.00	186.55	72.00	9.78
2/15/14, 08:40	2/15/14, 23:30	6,540.00	135.80	11,150.00	231.53	870.00	18.07	37.60	0.7808
2/15/14, 23:30	2/16/14, 08:50	831.33	26.20	Bad recovery	Bad recovery	40.21	1.27	1.80	0.0570
2/16/14, 08:50	2/16/14, 16:50	227.38	8.36	229.32	8.43	17.05	0.6270	1.24	0.0457
2/16/14, 16:50	2/17/14, 00:15	76.50	3.03	73.36	2.91	6.19	0.2454	4.03	0.1599
2/17/14, 00:15	2/17/14, 08:20	58.17	2.12	57.96	2.11	5.01	0.1824	0.626	0.0228
2/17/14, 08:20	2/17/14, 16:20	25.90	0.953	21.14	0.777	1.93	0.0710	0.146	0.0054
2/17/14, 16:20	2/18/14, 00:10	18.96	0.712	37.12	1.394	1.85	0.0694	0.090	0.0034
2/18/14, 00:10	2/18/14, 08:20	6.96	0.251	12.88	0.464	0.700	0.0252	0.032	0.0011
2/18/14, 08:20	2/18/14, 16:05	8.22	0.312	9.29	0.353	0.820	0.0311	0.039	0.0015
2/18/14, 16:05	2/19/14, 00:40	12.16	0.417	10.66	0.365	0.950	0.0326	0.044	0.0015
2/19/14, 00:40	2/19/14, 08:23	5.28	0.201	4.62	0.176	0.380	0.0145	0.018	0.0007
2/19/14, 08:23	2/19/14, 16:00	4.60	0.178	3.86	0.149	0.358	0.0138	0.020	0.0008
2/19/14, 16:00	2/20/14, 00:08	3.98	0.144	4.32	0.156	0.432	0.0156	0.016	0.0006
2/20/14, 00:10	2/20/14, 08:17	8.12	0.294	8.28	0.300	0.724	0.0262	0.031	0.0011
2/20/14, 08:17	2/20/14, 16:24	3.58	0.130	3.34	0.121	0.302	0.0109	0.013	0.0005
02/20/14, 16:24	02/21/14, 00:12	4.82	0.182	4.16	0.157	0.428	0.0161	0.021	0.0008
02/21/14, 00:12	02/21/14, 08:45	9.68	0.333	8.98	0.309	0.810	0.0279	0.039	0.0013
2/21/14, 08:45	2/22/14, 0:50	7.86	0.144	8.18	0.150	0.870	0.0160	0.037	0.0007
2/22/14, 0:50	2/23/14, 0:11	34.00	0.428	29.12	0.367	3.460	0.0440	0.150	0.0019
2/23/14, 0:11	2/24/14, 0:25	12.52	0.191	11.80	0.180	1.370	0.0210	0.061	0.0009
2/24/14, 0:25	2/25/14, 0:05	6.36	0.079	7.24	0.090	0.662	0.0080	0.037	0.0005
2/25/14, 0:05	2/26/14, 0:25	4.76	0.058	5.20	0.063	0.480	0.0060	0.344	0.0042
2/26/14, 0:25	2/27/14, 0:15	2.48	0.031	1.74	0.021	0.175	0.0020	0.007	0.00009
2/27/14, 0:15	2/28/14, 0:16	1.44	0.017	1.41	0.017	0.143	0.0020	0.007	0.00009
2/28/14, 0:16	3/1/14, 1:04	n/d	n/d	1.03	0.012	0.088	0.0010	0.004	0.00004
3/1/14, 1:04	3/2/14, 0:07	n/d	n/d	1.79	0.023	0.188	0.0024	0.008	0.00008
3/2/14, 0:07	3/3/14, 1:06	n/d	n/d	1.32	0.016	0.126	0.0015	0.005	0.00010
3/3/14, 1:06	3/4/14, 0:34	n/d	n/d	1.01	0.013	0.114	0.0014	0.004	0.00010
3/4/14, 0:34	3/5/14, 0:22	2.76	0.034	2.88	0.036	0.278	0.0034	0.013	0.00016
3/5/14, 0:22	3/6/14, 0:40	1.59	0.020	1.79	0.022	0.172	0.0021	0.008	0.00010
3/6/14, 0:40	3/7/14, 0:15	0.69	0.010	0.77	0.010	0.078	0.0010	0.004	0.00004
3/7/14, 0:15	3/8/14, 0:29	1.39	0.020	1.70	0.021	0.044	0.0005	0.004	0.00004
3/8/14, 0:29	3/9/14, 0:20	0.75	0.009	0.77	0.010	0.078	0.0010	0.003	0.00004
3/9/14, 0:20	3/10/14, 0:10	0.83	0.010	0.62	0.008	0.060	0.0007	0.002	0.00003
3/10/14, 0:10	3/11/14, 0:30	1.15	0.014	1.10	0.013	0.099	0.0012	0.005	0.00006
3/11/14, 0:30	3/12/14, 0:10	1.20	0.015	1.08	0.013	0.107	0.0013	0.005	0.00006
3/12/14, 0:10	3/13/14, 0:20	0.64	0.008	0.85	0.010	0.063	0.0008	0.003	0.00004
3/13/14, 0:20	3/14/14, 0:18	4.68	0.057	7.14	0.088	0.720	0.0090	0.034	0.00040
3/14/14, 0:18	3/15/14, 0:05	0.48	0.006	0.52	0.006	0.050	0.0006	0.002	0.00003
3/15/14, 0:05	3/16/14, 0:01	1.11	0.014	0.89	0.011	0.088	0.0011	0.005	0.00006
3/16/14, 0:01	3/17/14, 0:07	0.47	0.006	0.49	0.006	0.055	0.0007	0.003	0.00004
3/17/14, 0:07	3/18/14, 0:01	0.45	0.006	0.61	0.008	0.051	0.0006	0.002	0.00002
3/18/14, 0:01	3/19/14, 0:15	1.43	0.017	1.26	0.015	0.161	0.0020	0.005	0.00006
3/19/14, 0:15	3/20/14, 0:05	0.58	0.007	0.72	0.009	0.082	0.0010	0.003	0.00004
3/20/14, 0:05	3/21/14, 0:05	0.97	0.012	1.18	0.014	0.108	0.0013	0.006	0.00007
3/21/14, 0:05	3/22/14, 0:10	1.06	0.013	1.28	0.016	0.129	0.0016	0.006	0.00007
3/22/14, 0:10	3/23/14, 0:15	0.74	0.009	0.87	0.011	0.085	0.0010	0.004	0.00005
3/23/14, 0:15	3/24/14, 0:15	1.57	0.019	1.54	0.019	0.153	0.0019	0.007	0.00009
3/24/14, 0:15	3/25/14, 0:15	1.53	0.019	1.58	0.019	0.171	0.0021	0.007	0.00008
3/25/14, 0:15	3/26/14, 0:33	1.06	0.013	1.12	0.014	0.125	0.0015	0.005	0.00006
3/26/14, 0:33	3/27/14, 0:01	1.02	0.013	0.84	0.011	0.094	0.0012	0.004	0.00005
3/27/14, 0:01	3/28/14, 0:16	0.63	0.008	0.61	0.007	0.064	0.0008	0.004	0.00004
3/28/14, 0:16	3/29/14, 0:00	1.71	0.021	2.04	0.025	0.220	0.0027	0.011	0.00013
3/29/14, 0:00	3/29/14, 23:40	0.52	0.006	0.61	0.008	0.085	0.0011	0.005	0.00006
3/29/14, 23:40	3/31/14, 0:35	0.36	0.004	0.56	0.007	0.052	0.0006	0.002	0.00002
3/31/14, 0:35	4/1/14, 0:00	0.26	0.003	0.30	0.004	0.033	0.0004	0.002	0.00002
4/1/14, 0:00	4/2/14, 0:20	0.48	0.006	0.47	0.006	0.057	0.0007	0.003	0.00004
4/2/14, 0:20	4/3/14, 0:30	0.69	0.008	0.56	0.007	0.064	0.0008	0.002	0.00003
4/3/14, 0:30	4/4/14, 0:20	0.62	0.008	0.89	0.011	0.080	0.0010	0.002	0.00003
4/4/14, 0:20	4/5/14, 0:10	0.68	0.008	0.76	0.009	0.089	0.0011	0.004	0.00005
4/5/14, 0:10	4/6/14, 0:02	0.16	0.002	0.35	0.004	0.045	0.0006	0.001	0.00002
4/6/14, 0:02	4/7/14, 0:05	0.45	0.005	0.40	0.005	0.040	0.0005	0.002	0.00002
4/7/14, 0:05	4/8/14, 0:01	n/d	n/d	0.27	0.003	0.035	0.0004	0.002	0.00002
4/8/14, 0:01	4/9/14, 0:00	0.16	0.002	0.24	0.003	0.027	0.0003	0.001	0.00001
4/9/14, 0:00	4/10/14, 0:05	n/d	n/d	0.47	0.006	0.044	0.0005	0.002	0.00002
4/10/14, 0:05	4/11/14, 0:01	n/d	n/d	0.41	0.005	0.084	0.0010	0.003	0.00004
4/11/14, 0:01	4/12/14, 0:20	n/d	n/d	0.40	0.005	0.037	0.0004	0.002	0.00002
4/12/14, 0:20	4/13/14, 0:28	n/d	n/d	0.27	0.003	0.030	0.0004	0.001	0.00002
4/13/14, 0:28	4/14/14, 0:10	n/d	n/d	0.47	0.001	0.060	0.0007	0.002	0.00002
4/14/14, 0:10	4/14/14, 23:55	n/d	n/d	0.09	0.001	0.007	0.0001	0.001	0.00001
4/15/14, 0:00	4/16/14, 0:01	n/d	n/d	0.16	0.002	0.018	0.0002	0.001	0.00002
4/16/14, 0:01	4/17/14, 0:00	n/d	n/d	0.04	0.001	0.009	0.0001	0.0003	0.000003

CEMRC Radiological Results Station A (Pre-HEPA filter)

Station A (WIPP Exhaust Pre-HEPA Filter)									
Date/Time Installed	Date/Time Removed	241Am Bq/Sample Gamma Spectroscopy	241Am Bq/m3* Gamma	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
4/17/14, 0:00	4/18/14, 0:08	n/d	n/d	0.06	0.001	0.014	0.0002	0.0004	0.000005
4/18/14, 0:08	4/18/14, 23:45	n/d	n/d	0.62	0.008	0.092	0.0011	0.004	0.00005
4/18/14, 23:45	4/20/14, 0:10	n/d	n/d	0.97	0.012	0.094	0.0011	0.004	0.00005
4/20/14, 0:10	4/21/14, 0:00	n/d	n/d	0.92	0.011	0.103	0.0013	0.006	0.00008
4/21/14, 0:00	4/22/14, 0:10	n/d	n/d	0.22	0.003	0.025	0.0003	0.001	0.00001
4/22/14, 0:10	5/1/14, 0:20	n/d	n/d	0.86	0.001	0.082	0.0001	0.004	0.00001
5/1/14, 0:20	5/8/14, 0:00	n/d	n/d	0.68	0.001	0.072	0.0001	0.004	0.00001
5/8/14, 0:00	5/15/14, 0:12	n/d	n/d	0.91	0.002	0.105	0.0002	0.006	0.00001
5/15/14, 0:12	5/22/14, 8:00	n/d	n/d	1.03	0.002	0.149	0.0002	0.006	0.00001
5/22/14, 8:01	6/1/14, 8:02	n/d	n/d	2.92	0.004	0.320	0.0004	0.013	0.00002
6/1/14, 08:03	6/8/14, 0:55	n/d	n/d	0.72	0.001	0.075	0.0001	0.003	0.00001
6/8/14, 08:55	6/15/14, 0:10	n/d	n/d	0.42	0.001	0.049	0.0001	0.002	0.000004
6/15/14, 0:10	6/22/14, 0:06	n/d	n/d	0.08	0.0001	0.013	0.00002	0.001	0.000001
6/22/14, 0:06	7/1/14, 7:56	n/d	n/d	0.18	0.0002	0.020	0.00003	0.001	0.000001
7/1/14, 7:56	7/8/14, 7:55	n/d	n/d	0.10	0.0002	0.012	0.00002	0.0003	0.000001
7/8/14, 7:55	7/15/14, 8:15	n/d	n/d	0.10	0.0002	0.009	0.00002	0.0001	0.0000002
7/15/14, 8:15	7/22/14, 8:10	n/d	n/d	0.39	0.0007	0.036	0.00006	0.002	0.000003
7/22/14, 8:10	8/1/14, 8:19	n/d	n/d	1.39	0.0017	0.138	0.00017	0.005	0.000007
8/1/14, 8:19	8/8/14, 8:15	n/d	n/d	0.40	0.0007	0.049	0.00009	0.002	0.000003
8/8/14, 8:15	8/15/14, 8:15	n/d	n/d	0.12	0.0002	0.012	0.00002	0.001	0.000002
8/15/14, 8:15	8/22/14, 8:15	n/d	n/d	0.52	0.0009	0.050	0.00009	0.003	0.000005
8/22/14, 8:15	9/1/14, 8:00	n/d	n/d	0.31	0.0004	0.030	0.00004	n/d	n/d
9/1/14, 8:00	9/8/14, 8:15	n/d	n/d	0.19	0.0003	0.019	0.00003	0.001	0.000002
9/8/14, 8:15	9/15/14, 8:25	n/d	n/d	0.43	0.0007	0.037	0.00006	n/d	n/d
9/15/14, 8:25	9/22/14, 8:15	n/d	n/d	0.46	0.0008	0.052	0.00009	0.003	0.000005
9/22/14, 8:15	10/1/14, 8:10	n/d	n/d	0.37	0.0005	0.037	0.00005	0.002	0.000003
10/1/14, 8:10	10/8/14, 9:05	n/d	n/d	0.11	0.0002	0.011	0.00002	n/d	n/d
10/8/14, 9:07	10/15/14, 7:47	n/d	n/d	0.07	0.0001	0.006	0.00001	n/d	n/d
10/15/14, 7:47	10/22/14, 7:40	n/d	n/d	0.07	0.0001	0.009	0.00001	n/d	n/d
10/22/14, 7:52	11/1/14, 7:27	n/d	n/d	0.32	0.0004	0.032	0.00004	n/d	n/d
11/1/14, 7:27	11/8/14, 7:55	n/d	n/d	0.08	0.0001	0.010	0.00002	n/d	n/d
11/8/14, 7:57	11/15/14, 8:15	n/d	n/d	0.62	0.0011	0.075	0.00013	0.004	0.00001
11/15/14, 8:17	11/22/14, 8:12	n/d	n/d	0.17	0.0003	0.018	0.00003	n/d	n/d
11/22/14, 8:14	12/1/14, 7:35	n/d	n/d	0.15	0.0002	0.014	0.00002	n/d	n/d
12/1/14, 7:37	12/8/14, 7:47	n/d	n/d	0.15	0.0003	0.020	0.00003	0.002	0.000003
12/8/14, 7:57	12/15/14, 8:15	n/d	n/d	0.58	0.0010	0.066	0.00012	0.003	0.00001
12/15/14, 8:17	12/22/14, 8:12	n/d	n/d	0.82	0.0014	0.169	0.00030	0.007	0.00001
12/22/14, 8:14	1/1/15, 7:35	n/d	n/d	1.03	0.0013	0.105	0.00013	0.003	0.000004
n/d = no detection Bq/m3* = Total activity is converted to activity per cubic meter (m3) using flow rate and time									
Light grey shaded area reflects composite sample (three 8-hour periods), Dark Grey represents weekly composite sample									
Results for 241Am were obtained by analyzing samples on both Gamma Spectroscopy and Alpha Spectroscopy, results from each instrument type are provided.									

CEMRC Radiological Results Station B (Post-HEPA filter)

Station B (WIPP Exhaust Post-HEPA Filter)									
Date/Time Installed	Date/Time Removed	241Am Bq/Sample Gamma Spectroscopy	241Am Bq/m3* Gamma	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
2/14/14, 07:55	2/18/14, 16:55	667.90	1.83	842.00	2.30	82.73	0.2261	11.94	0.03260
2/18/14, 16:55	2/19/14, 01:10	1.35	0.0470	1.700	0.0587	0.148	0.0051	0.0066	0.00020
2/19/14, 01:11	2/19/14, 09:00	0.75	0.0272	0.930	0.0337	0.105	0.0038	0.0053	0.00019
2/19/14, 09:00	2/19/14, 16:27	1.33	0.0507	1.530	0.0582	0.202	0.0077	0.0114	0.00043
2/19/14, 16:27	2/20/14, 00:35	1.21	0.0423	1.450	0.0506	0.121	0.0042	0.0063	0.00022
2/20/14, 00:35	2/20/14, 08:52	1.14	0.0390	1.08	0.0372	0.101	0.0035	0.0039	0.00013
2/20/14, 08:52	2/20/14, 16:54	1.89	0.0670	1.950	0.0688	0.199	0.0070	0.0066	0.00024
2/20/14, 16:54	2/21/14, 00:38	0.48	0.0176	0.926	0.0340	0.084	0.0031	0.0057	0.00021
2/21/14, 00:38	2/21/14, 08:28	0.68	0.0247	0.736	0.0268	0.062	0.0022	0.0028	0.00010
2/21/14, 8:20	2/22/14, 0:19	2.02	0.0360	2.520	0.0450	0.250	0.0045	0.0110	0.00020
2/22/14, 0:19	2/22/14, 23:56	0.91	0.0110	1.580	0.0190	0.150	0.0018	0.0060	0.00010
2/22/14, 23:56	2/24/14, 0:15	1.06	0.0120	1.040	0.0120	0.098	0.0012	0.0040	0.00010
2/24/14, 0:15	2/25/14, 0:16	0.40	0.0050	0.514	0.0060	0.054	0.0006	0.0020	0.00002
2/25/14, 0:16	2/26/14, 0:10	0.21	0.0030	0.298	0.0035	0.027	0.0003	0.0050	0.00006
2/26/14, 0:10	2/27/14, 0:30	0.44	0.0050	0.340	0.0040	0.037	0.0004	0.0060	0.00007
2/27/14, 0:30	2/28/14, 0:12	0.27	0.0030	0.296	0.0036	0.031	0.0004	0.0070	0.00008
2/28/14, 0:12	3/1/14, 1:44	n/d	n/d	0.296	0.0030	0.029	0.0003	0.0010	0.00002
3/1/14, 1:44	3/2/14, 0:45	n/d	n/d	0.368	0.0050	0.036	0.0005	0.0020	0.00002
3/2/14, 0:45	3/3/14, 0:20	n/d	n/d	0.958	0.0120	0.087	0.0011	0.0050	0.00010
3/3/14, 0:20	3/4/14, 1:14	n/d	n/d	1.03	0.0120	0.204	0.0023	0.0086	0.00010
3/4/14, 1:14	3/5/14, 0:05	0.180	0.0020	0.386	0.0050	0.025	0.0003	0.0010	0.00001
3/5/14, 0:05	3/6/14, 0:15	1.45	0.0170	1.66	0.0200	0.156	0.0018	0.0080	0.00009
3/6/14, 0:15	3/7/14, 0:01	0.112	0.0010	0.136	0.0020	0.013	0.0002	0.0001	0.000002
3/7/14, 0:01	3/8/14, 0:15	0.196	0.0020	0.252	0.0030	0.085	0.0010	0.0030	0.00004
3/8/14, 0:15	3/9/14, 0:45	0.306	0.0040	0.406	0.0050	0.032	0.0004	0.0020	0.00002
3/9/14, 0:45	3/10/14, 0:10	n/d	n/d	0.095	0.0012	0.009	0.0001	0.0003	0.000003
3/10/14, 0:10	3/11/14, 0:50	n/d	n/d	0.089	0.0010	0.007	0.0001	0.0010	0.00001
3/11/14, 0:50	3/12/14, 0:30	1.58	0.0190	1.36	0.0164	0.137	0.0017	0.0055	0.00007
3/12/14, 0:30	3/13/14, 0:47	0.478	0.0060	0.426	0.0050	0.038	0.0004	0.0018	0.00002
3/13/14, 0:47	3/14/14, 0:50	0.137	0.0020	0.195	0.0020	0.019	0.0002	0.0004	0.000005
3/14/14, 0:50	3/15/14, 0:20	0.103	0.0010	0.094	0.0010	0.010	0.0001	0.0004	0.000005
3/15/14, 0:20	3/16/14, 0:30	0.166	0.0020	0.328	0.0040	0.030	0.0004	0.0054	0.000060
3/16/14, 0:30	3/17/14, 0:30	0.298	0.0040	0.112	0.0013	0.011	0.0001	0.0006	0.000007
3/17/14, 0:30	3/18/14, 0:15	n/d	n/d	0.050	0.0006	0.003	0.00004	0.0006	0.000007
3/18/14, 0:15	3/19/14, 0:30	n/d	n/d	0.174	0.0020	0.019	0.0002	0.0005	0.000006
3/19/14, 0:30	3/20/14, 0:20	n/d	n/d	0.246	0.0029	0.025	0.0003	0.0015	0.000018
3/20/14, 0:20	3/21/14, 0:20	n/d	n/d	0.137	0.0016	0.011	0.0001	0.0009	0.000011
3/21/14, 0:20	3/22/14, 0:01	n/d	n/d	0.083	0.0010	0.006	0.0001	0.0004	0.000005
3/22/14, 0:01	3/23/14, 0:00	n/d	n/d	0.062	0.0007	0.006	0.0001	0.0003	0.000004
3/23/14, 0:00	3/24/14, 0:00	n/d	n/d	0.053	0.0006	0.003	0.00004	n/d	n/d
3/24/14, 0:00	3/25/14, 0:00	n/d	n/d	0.043	0.0005	0.003	0.00004	n/d	n/d
3/25/14, 0:00	3/26/14, 0:12	n/d	n/d	0.039	0.0005	0.005	0.00005	0.0001	0.000002
3/26/14, 0:12	3/27/14, 0:20	n/d	n/d	0.018	0.0002	0.002	0.00002	n/d	n/d
3/27/14, 0:20	3/28/14, 0:01	n/d	n/d	0.032	0.0004	0.004	0.00005	0.0005	0.000006
3/28/14, 0:01	3/29/14, 0:20	n/d	n/d	0.033	0.0004	0.004	0.00004	n/d	n/d
3/29/14, 0:20	3/30/14, 0:25	n/d	n/d	0.024	0.0003	0.004	0.00005	n/d	n/d
3/30/14, 0:25	3/31/14, 1:00	n/d	n/d	0.026	0.0003	0.002	0.00003	0.0007	0.000008
3/31/14, 1:00	4/1/14, 0:20	n/d	n/d	0.018	0.0002	0.002	0.00003	n/d	n/d
4/1/14, 0:20	4/2/14, 0:05	n/d	n/d	0.025	0.0003	0.004	0.00004	n/d	n/d
4/2/14, 0:05	4/3/14, 0:15	n/d	n/d	0.053	0.0006	0.005	0.00006	0.0004	0.000005
4/3/14, 0:15	4/4/14, 0:03	n/d	n/d	0.088	0.0011	0.007	0.00009	0.0001	0.000002
4/4/14, 0:05	4/5/14, 0:40	n/d	n/d	0.034	0.0004	0.004	0.00005	0.0005	0.000006
4/5/14, 0:40	4/6/14, 0:15	n/d	n/d	0.047	0.0006	0.005	0.00007	0.0001	0.000002
4/6/14, 0:15	4/7/14, 0:10	n/d	n/d	0.025	0.0003	0.002	0.00003	0.0003	0.000003
4/7/14, 0:10	4/8/14, 0:15	n/d	n/d	0.025	0.0003	0.003	0.00004	n/d	n/d
4/8/14, 0:15	4/9/14, 0:15	n/d	n/d	0.020	0.0002	0.002	0.00002	n/d	n/d
4/9/14, 0:15	4/10/14, 0:20	n/d	n/d	0.033	0.0004	0.002	0.00002	0.0014	0.000017
4/10/14, 0:20	4/11/14, 0:20	n/d	n/d	0.062	0.0007	0.003	0.00004	n/d	n/d
4/11/14, 0:20	4/12/14, 0:02	n/d	n/d	0.034	0.0004	0.002	0.00002	n/d	n/d
4/12/14, 0:02	4/13/14, 0:08	n/d	n/d	0.045	0.0005	0.004	0.00005	n/d	n/d
4/13/14, 0:08	4/14/14, 0:00	n/d	n/d	0.038	0.0005	0.003	0.00004	0.0001	0.000002
4/14/14, 0:00	4/15/14, 0:15	n/d	n/d	0.105	0.0012	0.009	0.00011	n/d	n/d
4/15/14, 0:15	4/16/14, 0:10	n/d	n/d	0.044	0.0005	0.004	0.00005	n/d	n/d
4/16/14, 0:10	4/17/14, 0:10	n/d	n/d	0.103	0.0012	0.003	0.00004	0.0004	0.000005
4/17/14, 0:10	4/18/14, 0:25	n/d	n/d	0.051	0.0006	0.005	0.00006	n/d	n/d
4/18/14, 0:25	4/19/14, 0:05	n/d	n/d	0.268	0.0032	0.026	0.00031	0.0012	0.000014
4/19/14, 0:05	4/20/14, 0:00	n/d	n/d	0.042	0.0005	0.005	0.00006	n/d	n/d
4/20/14, 0:00	4/21/14, 0:15	n/d	n/d	0.045	0.0005	0.001	0.00001	n/d	n/d
4/21/14, 0:15	4/22/14, 0:00	n/d	n/d	0.009	0.0001	0.001	0.00001	n/d	n/d
4/22/14, 0:00	5/1/14, 0:05	n/d	n/d	0.068	0.0001	0.009	0.00001	0.0001	0.0000001
5/1/14, 0:05	5/8/14, 0:20	n/d	n/d	0.238	0.0004	0.022	0.00004	0.0010	0.000002
5/8/14, 0:20	5/15/14, 0:55	n/d	n/d	0.060	0.0001	0.007	0.00001	n/d	n/d
5/15/14, 0:55	5/22/14, 8:25	n/d	n/d	0.018	0.00003	0.003	0.00001	n/d	n/d
5/22/14, 8:26	6/1/14, 8:19	n/d	n/d	0.019	0.00002	0.001	0.000002	n/d	n/d

CEMRC Radiological Results Station B (Post-HEPA filter)

Station B (WIPP Exhaust Post-HEPA Filter)										
Date/Time Installed	Date/Time Removed	241Am Bq/Sample Gamma Spectroscopy	241Am Bq/m3* Gamma	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	
6/1/14, 8:20	6/8/14, 8:22	n/d	n/d	n/d	1.086	0.00180	0.119	0.000200	0.0047	0.000010
6/8/14, 8:23	6/15/14, 7:44	n/d	n/d	n/d	0.119	0.00020	0.012	0.000020	0.0006	0.000001
6/15/14, 7:45	6/22/14, 7:52	n/d	n/d	n/d	0.121	0.00020	0.013	0.000020	0.0007	0.000001
6/22/14, 7:53	7/1/14, 8:14	n/d	n/d	n/d	0.075	0.0001	0.007	0.00001	0.0005	0.000001
7/1/14, 8:15	7/8/14, 8:10	n/d	n/d	n/d	0.024	0.00004	0.003	0.000005	n/d	n/d
7/8/14, 8:10	7/15/14, 8:25	n/d	n/d	n/d	0.010	0.00002	n/d	n/d	n/d	n/d
7/15/14, 8:25	7/22/14, 8:25	n/d	n/d	n/d	0.019	0.00003	0.002	0.000004	n/d	n/d
7/22/14, 8:25	8/1/14, 8:00	n/d	n/d	n/d	0.056	0.0001	0.006	0.00001	n/d	n/d
8/1/14, 8:00	8/8/14, 8:00	n/d	n/d	n/d	0.068	0.0001	0.007	0.00001	n/d	n/d
8/8/14, 8:00	8/15/14, 7:58	n/d	n/d	n/d	0.023	0.00004	0.001	0.000002	n/d	n/d
8/15/14, 7:58	8/22/14, 8:05	n/d	n/d	n/d	0.008	0.00001	n/d	n/d	n/d	n/d
8/22/14, 8:05	9/1/14, 8:25	n/d	n/d	n/d	0.020	0.00002	0.001	0.000002	n/d	n/d
9/1/14, 8:25	9/8/14, 8:00	n/d	n/d	n/d	0.270	0.00046	0.028	0.00005	n/d	n/d
9/8/14, 8:00	9/15/14, 8:10	n/d	n/d	n/d	0.052	0.00009	n/d	n/d	n/d	n/d
9/15/14, 8:10	9/22/14, 8:00	n/d	n/d	n/d	0.033	0.00006	0.003	0.000005	n/d	n/d
9/22/14, 8:00	10/1/2014, 8:00	n/d	n/d	n/d	0.087	0.00011	0.010	0.00001	n/d	n/d
10/1/14, 8:00	10/8/14, 7:55	n/d	n/d	n/d	0.218	0.00037	0.026	0.00004	n/d	n/d
10/8/14, 7:57	10/15/14, 7:45	n/d	n/d	n/d	0.138	0.00023	0.022	0.00004	n/d	n/d
10/15/14, 7:47	10/22/14, 7:50	n/d	n/d	n/d	0.976	0.00166	0.127	0.00022	0.005	0.000008
10/22/14, 7:52	11/1/14, 8:00	n/d	n/d	n/d	0.350	0.00042	0.033	0.00004	0.002	0.000002
11/1/14, 8:02	11/8/14, 7:35	n/d	n/d	n/d	0.432	0.00073	0.049	0.00008	n/d	n/d
11/8/14, 7:37	11/15/14, 8:45	n/d	n/d	n/d	0.094	0.00016	0.007	0.00001	n/d	n/d
11/15/14, 8:47	11/22/14, 7:45	n/d	n/d	n/d	0.051	0.00009	0.006	0.00001	n/d	n/d
11/22/14, 7:47	12/1/14, 7:50	n/d	n/d	n/d	0.029	0.00004	n/d	n/d	n/d	n/d
12/1/14, 7:47	12/8/14, 8:15	n/d	n/d	n/d	0.015	0.00003	n/d	n/d	n/d	n/d
12/8/14, 8:17	12/15/14, 7:55	n/d	n/d	n/d	0.028	0.00005	0.002	0.000004	n/d	n/d
12/15/14, 7:57	12/22/14, 7:50	n/d	n/d	n/d	0.079	0.00013	0.009	0.000015	n/d	n/d
12/22/14, 7:52	1/1/15, 9:20	n/d	n/d	n/d	0.031	0.00004	0.002	0.000002	n/d	n/d
n/d = no detection		Bq/m3* = Total activity is converted to activity per cubic meter (m3) using flow rate and time								
Light grey shaded area reflects composite sample (three 8-hour periods), Dark Grey represents weekly composite sample										
Results for 241Am were obtained by analyzing samples on both Gamma Spectroscopy and Alpha Spectroscopy, results from each instrument type are provided.										