Environmental Air Filter Status

March 16, 2014

Location	Sample ID Number	Filter Installation Date	Filter Removal Date	Filter Operating Time (min)	Air Flow Volume (ft^3)	Air Flow Volume (m^3)	Sample to WIPP Lab	ISOLO Spectrum Analyzer Gross α / β Preliminary DPM	WIPP Labs Gross α DPM	Samples Results from WIPP Labs for Gross Alpha	WIPP Labs Radiochemistry								
								Gross α / β Final DPM		Samples Results for Radiochemistry	WIPP Labs Data Am-241 (pCi/sample)	WIPP Labs Data Am-241 (Bq/m^3)	WIPP Labs Data Am-241 (dpm/sample)	WIPP Labs Data Pu-238 (pCi/sample)	WIPP Labs Data Pu-238 (Bq/m^3)	WIPP Labs Data Pu-238 (dpm/sample)	WIPP Labs Data Pu-239/240 (pCi/sample)	WIPP Labs Data Pu-239/240 (Bq/m^3)	WIPP Labs Data Pu-239/240 (dpm/sample)
WIPP Far Field (WFF)*	AL-WFF-20140212-1.1	2/11/2014	2/15/2014	916	1816.43	51.44	2/19/2014	---	---	2/20/2014	2.20E+01	1.58E-02	4.88E+01	-1.50E-03	-1.08E-06	-3.34E-03	1.65E+00	1.19E-03	3.67E+00
								36			2.20E01 +/- 2.37E00	1.58E-02 +/- 1.71E-03	4.88E01 +/- 5.27E00	-1.50E-03 +/- 7.30E-02	-1.08E-06 +/- 5.25E-05	-3.34E-03 +/- 1.62E-01	1.65E00 +/- 5.95E-01	1.19E-03 +/- 4.28E-04	3.67E00 +/- 1.32E00
WIPP Far Field (WFF)	AL-WFF-20140219-1.1	2/15/2014	2/18/2014	4306	*8568.94*	*242.65*	2/20/2014	---	---	3/5/2014	1.22E-01	1.85E-05	2.70E-01	9.19E-04	1.40E-07	2.04E-03	4.50E-03	6.87E-07	1.00E-02
								2.4			1.22E-01 +/- 3.18E-02	1.85E-05 +/- 4.84E-06	2.70E-01 +/- 7.05E-02	9.19E-04 +/- 5.09E-03	1.40E-07 +/- 7.76E-07	2.04E-03 +/- 1.13E-02	4.50E-03 +/- 7.07E-03	6.87E-07 +/- 1.08E-06	1.00E-02 +/- 1.57E-02
WIPP East (WEE)*	AL-WEE-20140212-1.1	2/11/2014	2/17/2014	3783	7376.85	208.89	2/20/2014	7.29	---	3/5/2014	2.58E-01	4.57E-05	5.73E-01	4.40E-04	7.79E-08	9.76E-04	1.39E-02	2.46E-06	3.08E-02
								4.4			2.58E-01 +/- 4.07E-02	4.57E-05 +/- 7.20E-06	5.73E-01 +/- 9.03E-02	4.40E-04 +/- 3.60E-03	7.79E-08 +/- 6.37E-07	9.76E-04 +/- 7.99E-03	1.39E-02 +/- 9.55E-03	2.46E-06 +/- 1.69E-06	3.08E-02 +/- 2.12E-02
WIPP South (WSS)*	AL-WSS-20140212-1.1	2/11/2014	2/17/2014	3754	7339.07	207.82	2/20/2014	7.47	---	3/5/2014	6.35E-02	1.13E-05	1.41E-01	-9.68E-04	-1.72E-07	-2.15E-03	5.77E-03	1.03E-06	1.28E-02
								3.7			6.35E-02 +/- 2.20E-02	1.13E-05 +/- 3.91E-06	1.41E-01 +/- 4.88E-02	-9.68E-04 +/- 2.33E-03	-1.72E-07 +/- 4.15E-07	-2.15E-03 +/- 5.18E-03	5.77E-03 +/- 6.53E-03	1.03E-06 +/- 1.16E-06	1.28E-02 +/- 1.45E-02
Mills Ranch (MLR)*	AL-MLR-20140212-1.1	2/11/2014	2/18/2014	4950	9504.00	269.12	2/20/2014	---		3/5/2014	7.07E-03	9.72E-07	1.57E-02	1.28E-03	1.76E-07	2.84E-03	1.16E-03	1.60E-07	2.58E-03
								2.7	---		7.07E-03 +/- 1.04E-02	9.72E-07 +/- 1.43E-06	1.57E-02 +/- 2.31E-02	1.28E-03 +/- 6.26E-03	1.76E-07 +/- 8.61E-07	2.84E-03 +/- 1.39E-02	1.16E-03 +/- 5.77E-03	1.60E-07 +/- 7.93E-07	2.58E-03 +/- 1.28E-02
Smith Ranch (SMR)*	AL-SMR-20140212-1.1	2/11/2014	2/18/2014	4907	9568.65	270.95	2/20/2014	---		3/5/2014	1.10E-01	1.50E-05	2.44E-01	-1.14E-03	-1.55E-07	-2.52E-03	6.22E-03	8.49E-07	1.38E-02
								4.2	---		1.10E-01 +/- 2.84E-02	1.50E-05 +/- 3.88E-06	2.44E-01 +/- 6.31E-02	-1.14E-03 +/- 1.18E-02	-1.55E-07 +/- 1.61E-06	-2.52E-03 +/- 2.62E-02	6.22E-03 +/- 9.14E-03	8.49E-07 +/- 1.25E-06	1.38E-02 +/- 2.03E-02
Carlsbad (CBD)*	AL-CBD-20140212-1.1	2/11/2014	2/18/2014	4864	9290.24	263.07	2/20/2014	---		3/5/2014	1.00E-02	1.41E-06	2.23E-02	-4.26E-03	-5.99E-07	-9.45E-03	2.74E-04	3.86E-08	6.09E-04
								1.6	---		1.00E-02 +/- 1.22E-02	1.41E-06 +/- 1.71E-06	2.23E-02 +/- 2.70E-02	-4.26E-03 +/- 7.48E-03	-5.99E-07 +/- 1.05E-06	-9.45E-03 +/- 1.66E-02	2.74E-04 +/- 5.77E-03	3.86E-08 +/- 8.11E-07	6.09E-04 +/- 1.28E-02
Southeast Control (SEC)*	AL-SEC-20140212-1.2	2/11/2014	2/18/2014	4978	9408.42	266.42	2/20/2014	---		3/5/2014	1.33E-02	1.85E-06	2.95E-02	6.08E-03	8.45E-07	1.35E-02	-1.48E-03	-2.06E-07	-3.29E-03
								1.3	---		1.33E-02 +/- 1.30E-02	1.85E-06 +/- 1.80E-06	2.95E-02 +/- 2.88E-02	6.08E-03 +/- 1.11E-02	8.45E-07 +/- 1.54E-06	1.35E-02 +/- 2.46E-02	-1.48E-03 +/- 3.79E-03	-2.06E-07 +/- 5.26E-07	-3.29E-03 +/- 8.41E-03
Southeast Control (SEC) Co-located sample*	AL-SEC-20140212-2.2	2/11/2014	2/18/2014	4987	9575.04	271.13	2/20/2014	---		3/5/2014	9.55E-03	1.30E-06	2.12E-02	-1.14E-03	-1.55E-07	-2.52E-03	5.14E-03	7.01E-07	1.14E-02
								1.5	---		9.55E-03 +/- 1.16E-02	1.30E-06 +/- 1.58E-06	2.12E-02 +/- 2.57E-02	-1.14E-03 +/- 8.29E-03	-1.55E-07 +/- 1.13E-06	-2.52E-03 +/- 1.84E-02	5.14E-03 +/- 9.10E-03	7.01E-07 +/- 1.24E-06	1.14E-02 +/- 2.02E-02
WIPP Far Field (WFF)	AL-WFF-20140219-1.1	2/18/2014	2/26/2014	11195	23063.62	653.09	3/8/2014	---	1.89	3/9/2014	1.21E-02	6.86E-07	2.69E-02	1.11E-03	6.28E-08	2.46E-03	1.60E-03	9.09E-08	3.56E-03
								---		3/11/2014	1.21E-02 +/- 1.35E-02	6.86E-07 +/- 7.66E-07	2.69E-02 +/- 3.00E-02	1.11E-03 +/- 5.99E-03	6.28E-08 +/- 3.39E-07	2.46E-03 +/- 1.33E-02	1.60E-03 +/- 5.63E-03	9.09E-08 +/- 3.19E-07	3.56E-03 +/- 1.25E-02
WIPP East (WEE)	AL-WEE-20140219-1.1	2/17/2014	2/26/2014	12658	26079.42	738.49	3/8/2014	---	2.48	3/9/2014	1.08E-03	5.42E-08	2.40E-03	-1.41E-03	-7.04E-08	-3.12E-03	1.62E-04	8.10E-09	3.59E-04
								---		3/11/2014	1.08E-03 +/- 9.14E-03	5.42E-08 +/- 4.58E-07	2.40E-03 +/- 2.03E-02	-1.41E-03 +/- 3.53E-03	-7.04E-08 +/- 1.77E-07	-3.12E-03 +/- 7.84E-03	1.62E-04 +/- 4.55E-03	8.10E-09 +/- 2.28E-07	3.59E-04 +/- 1.01E-02
WIPP South (WSS)	AL-WSS-20140219-1.1	2/17/2014	2/26/2014	12702	25797.08	730.49	3/8/2014	---	2.23	3/9/2014	8.47E-03	4.29E-07	1.88E-02	-9.41E-06	-4.77E-10	-2.09E-05	-5.77E-04	-2.92E-08	-1.28E-03
								---		3/11/2014	8.47E-03 +/- 1.09E-02	4.29E-07 +/- 5.54E-07	1.88E-02 +/- 2.43E-02	-9.41E-06 +/- 4.40E-03	-4.77E-10 +/- 2.23E-07	-2.09E-05 +/- 9.76E-03	-5.77E-04 +/- 5.14E-03	-2.92E-08 +/- 2.60E-07	-1.28E-03 +/- 1.14E-02
Mills Ranch (MLR)	AL-MLR-20140219-1.1	2/18/2014	2/26/2014	11528	23871.09	675.95	3/8/2014	---	2.57	3/9/2014	1.61E-04	8.83E-09	3.58E-04	1.07E-04	5.84E-09	2.37E-04	-6.89E-04	-3.77E-08	-1.53E-03
								---		3/11/2014	1.61E-04 +/- 9.46E-03	8.83E-09 +/- 5.18E-07	3.58E-04 +/- 2.10E-02	1.07E-04 +/- 4.26E-03	5.84E-09 +/- 2.33E-07	2.37E-04 +/- 9.46E-03	-6.89E-04 +/- 5.27E-03	-3.77E-08 +/- 2.88E-07	-1.53E-03 +/- 1.17E-02
Carlsbad (CBD)	AL-CBD-20140219-1.1	2/18/2014	2/26/2014	11800	22389.46	634.00	3/8/2014	---	2.23	3/9/2014	-1.00E-03	-5.86E-08	-2.23E-03	-1.28E-03	-7.47E-08	-2.84E-03	2.86E-05	1.67E-09	6.35E-05
								---		3/11/2014	-1.00E-03 +/- 8.69E-03	-5.86E-08 +/- 5.07E-07	-2.23E-03 +/- 1.93E-02	-1.28E-03 +/- 3.34E-03	-7.47E-08 +/- 1.95E-07	-2.84E-03 +/- 7.41E-03	2.86E-05 +/- 4.64E-03	1.67E-09 +/- 2.71E-07	6.35E-05 +/- 1.03E-02
Smith Ranch (SMR)	AL-SMR-20140219-1.1	2/18/2014	2/26/2014	11722	23447.84	663.97	3/8/2014	---	1.12	3/9/2014	1.48E-03	8.23E-08	3.28E-03	-7.07E-05	-3.94E-09	-1.57E-04	1.42E-03	7.93E-08	3.16E-03
								---		3/11/2014	1.48E-03 +/- 9.55E-03	8.23E-08 +/- 5.32E-07	3.28E-03 +/- 2.12E-02	-7.07E-05 +/- 4.25E-03	-3.94E-09 +/- 2.37E-07	-1.57E-04 +/- 9.44E-03	1.42E-03 +/- 4.82E-03	7.93E-08 +/- 2.69E-07	3.16E-03 +/- 1.07E-02
Southeast Control (SEC)	AL-SEC-20140219-1.2	2/18/2014	2/26/2014	11520	23858.66	675.60	3/8/2014	---	2.66	3/9/2014	-6.31E-03	-3.45E-07	-1.40E-02	1.68E-04	9.20E-09	3.73E-04	2.94E-03	1.61E-07	6.53E-03
								---		3/11/2014	-6.31E-03 +/- 6.80E-03	-3.45E-07 +/- 3.73E-07	-1.40E-02 +/- 1.51E-02	1.68E-04 +/- 4.39E-03	9.20E-09 +/- 2.41E-07	3.73E-04 +/- 9.75E-03	2.94E-03 +/- 6.17E-03	1.61E-07 +/- 3.38E-07	6.53E-03 +/- 1.37E-02
Southeast Control (SEC) Co-located sample	AL-SEC-20140219-2.2	2/18/2014	2/26/2014	11518	22706.06	642.96	3/8/2014	---	1.38	3/9/2014	1.81E-03	1.04E-07	4.01E-03	-1.24E-03	-7.13E-08	-2.75E-03	4.29E-05	2.47E-09	9.52E-05
								---		3/11/2014	1.81E-03 +/- 1.00E-02	1.04E-07 +/- 5.75E-07	4.01E-03 +/- 2.22E-02	-1.24E-03 +/- 3.27E-03	-7.13E-08 +/- 1.88E-07	-2.75E-03 +/- 7.27E-03	4.29E-05 +/- 4.25E-03	2.47E-09 +/- 2.44E-07	9.52E-05 +/- 9.43E-03
WIPP Far Field (WFF)	AL-WFF-20140226-1.1	2/26/2014	3/4/2014	8585	16828.46	476.53	3/8/2014	---	4.21	3/9/2014	-8.78E-03	-6.82E-07	-1.95E-02	-2.94E-03	-2.28E-07	-6.52E-03	9.50E-04	7.38E-08	2.11E-03
								---		3/11/2014	-8.78E-03 +/- 1.02E-02	-6.82E-07 +/- 7.90E-07	-1.95E-02 +/- 2.26E-02	-2.94E-03 +/- 1.06E-02	-2.28E-07 +/- 8.22E-07	-6.52E-03 +/- 2.35E-02	9.50E-04 +/- 6.04E-03	7.38E-08 +/- 4.69E-07	2.11E-03 +/- 1.34E-02
WIPP East (WEE)	AL-WEE-20140226-1.1	2/26/2014	3/4/2014	8582	16914.31	478.96	3/8/2014	---	4.90	3/9/2014	-2.31E-03	-1.78E-07	-5.12E-03	-1.98E-03	-1.53E-07	-4.39E-03	2.08E-03	1.60E-07	4.61E-03
								---		3/11/2014	-2.31E-03 +/- 1.37E-02	-1.78E-07 +/- 1.06E-06	-5.12E-03 +/- 3.05E-02	-1.98E-03 +/- 7.52E-03	-1.53E-07 +/- 5.81E-07	-4.39E-03 +/- 1.67E-02	2.08E-03 +/- 5.95E-03	1.60E-07 +/- 4.59E-07	4.61E-03 +/- 1.32E-02
WIPP South (WSS)	AL-WSS-20140226-1.1	2/26/2014	3/4/2014	8589	16754.30	474.43	3/8/2014	---	3.26	3/9/2014	-1.99E-03	-1.55E-07	-4.42E-03	3.14E-03	2.45E-07	6.97E-03	-1.88E-03	-1.46E-07	-4.17E-03
								---		3/11/2014	-1.99E-03 +/- 1.24E-02	-1.55E-07 +/- 9.66E-07	-4.42E-03 +/- 2.75E-02	3.14E-03 +/- 1.51E-02	2.45E-07 +/- 1.18E-06	6.97E-03 +/- 3.36E-02	-1.88E-03 +/- 4.49E-03	-1.46E-07 +/- 3.50E-07	-4.17E-03 +/- 9.96E-03
Mills Ranch (MLR)	AL-MLR-20140226-1.1	2/26/2014	3/4/2014	8581	16816.70	476.20	3/8/2014	---	5.50	3/9/2014	-9.64E-03	-7.49E-07	-2.14E-02	-8.51E-03	-6.61E-07	-1.89E-02	-1.30E-03	-1.01E-07	-2.89E-03
								---		3/11/2014	-9.64E-03 +/- 1.09E-02	-7.49E-07 +/- 8.43E-07	-2.14E-02 +/- 2.41E-02	-8.51E-03 +/- 1.02E-02	-6.61E-07 +/- 7.91E-07	-1.89E-02 +/- 2.26E-02	-1.30E-03 +/- 3.63E-03	-1.01E-07 +/- 2.82E-07	-2.89E-03 +/- 8.06E-03
Carlsbad (CBD)	AL-CBD-20140226-1.1	2/26/2014	3/4/2014	8469	16605.03	470.20	3/8/2014	---	7.13	3/9/2014	-3.65E-03	-2.87E-07	-8.10E-03	-4.64E-03	-3.65E-07	-1.03E-02	-4.50E-03	-3.54E-07	-1.00E-02
								---		3/11/2014	-3.65E-03 +/- 1.14E-02	-2.87E-07 +/- 8.97E-07	-8.10E-03 +/- 2.53E-02	-4.64E-03 +/- 9.77E-03	-3.65E-07 +/- 7.69E-07	-1.03E-02 +/- 2.17E-02	-4.50E-03 +/- 1.05E-02	-3.54E-07 +/- 8.22E-07	-1.00E-02 +/- 2.32E-02
Smith Ranch (SMR)	AL-SMR-20140226-1.1	2/26/2014	3/4/2014	8644	17032.51	482.31	3/8/2014	---	5.50	3/9/2014	-7.16E-03	-5.49E-07	-1.59E-02	-3.80E-03	-2.92E-07	-8.44E-03	-1.69E-03	-1.30E-07	-3.75E-03
								---		3/11/2014	-7.16E-03 +/- 1.15E-02	-5.49E-07 +/- 8.81E-07	-1.59E-02 +/- 2.55E-02	-3.80E-03 +/- 1.00E-02	-2.92E-07 +/- 7.71E-07	-8.44E-03 +/- 2.23E-02	-1.69E-03 +/- 4.22E-03	-1.30E-07 +/- 3.24E-07	-3.75E-03 +/- 9.37E-03
Southeast Control (SEC)	AL-SEC-20140226-1.2	2/26/2014	3/4/2014	8581	16828.46	476.53	3/8/2014	---	4.72	3/9/2014	1.93E-03	1.50E-07	4.28E-03	-4.10E-03	-3.18E-07	-9.10E-03	-1.00E-03	-7.76E-08	-2.22E-03
								---		3/11/2014	1.93E-03 +/- 1.30E-02	1.50E-07 +/- 1.01E-06	4.28E-03 +/- 2.88E-02	-4.10E-03 +/- 9.95E-03	-3.18E-07 +/- 7.73E-07	-9.10E-03 +/- 2.21E-02	-1.00E-03 +/- 3.08E-03	-7.76E-08 +/- 2.39E-07	-2.22E-03 +/- 6.84E-03
Southeast Control (SEC) Co-located sample	AL-SEC-20140226-2.2	2/26/2014	3/4/2014	8580	17000.16	481.39	3/8/2014	---	6.70	3/9/2014	-6.44E-03	-4.95E-07	-1.43E-02	-1.66E-03	-1.28E-07	-3.69E-03	1.23E-04	9.49E-09	2.74E-04
								---		3/11/2014	-6.44E-03 +/- 1.34E-02	-4.95E-07 +/- 1.03E-06	-1.43E-02 +/- 2.97E-02	-1.66E-03 +/- 8.65E-03	-1.28E-07 +/- 6.65E-07	-3.69E-03 +/- 1.92E-02	1.23E-04 +/- 4.77E-03	9.49E-09 +/- 3.67E-07	2.74E-04 +/- 1.06E-02
WIPP Far Field (WFF)	AL-WFF-20140304-1.1	3/4/2014	3/11/2014	10055	19392.13	549.12	3/12/2014	---											

WIPP East (WEE)	AL-WEE-20140304-1.1	3/4/2014	3/11/2014	10090	19762.90	559.62	3/12/2014	---											

WIPP South (WSS)	AL-WSS-20140304-1.1	3/4/2014	3/11/2014	10081	19639.09	556.12	3/12/2014	---											

Mills Ranch (MLR)	AL-MLR-20140304-1.1	3/4/2014	3/11/2014	10089	19662.61	556.78	3/12/2014	---											

Environmental Air Filter Status

March 16, 2014

Location	Sample ID Number	Filter Installation Date	Filter Removal Date	Filter Operating Time (min)	Air Flow Volume (ft^3)	Air Flow Volume (m^3)	Sample to WIPP Lab	ISOLO Spectrum Analyzer Gross α / β Preliminary DPM	ISOLO Spectrum Analyzer Gross α / β Final DPM	WIPP Labs Gross α DPM	Samples Results from WIPP Labs for Gross Alpha	Samples Results for Radiochemistry	WIPP Labs Radiochemistry: WIPP Labs Data Am-241 (pCi/sample)	WIPP Labs Data Am-241 (Bq/m^3)	WIPP Labs Data Am-241 (dpm/sample)	WIPP Labs Data Pu-238 (pCi/sample)	WIPP Labs Data Pu-238 (Bq/m^3)	WIPP Labs Data Pu-238 (dpm/sample)	WIPP Labs Data Pu-239/240 (pCi/sample)	WIPP Labs Data Pu-239/240 (Bq/m^3)	WIPP Labs Data Pu-239/240 (dpm/sample)
Carlsbad (CBD)	AL-CBD-20140304-1.1	3/4/2014	3/11/2014	10115	19206.83	543.88	3/12/2014	---	---												
Smith Ranch (SMR)	AL-SMR-20140304-1.1	3/4/2014	3/11/2014	10122	19822.02	561.30	3/12/2014	---	---												
Southeast Control (SEC)	AL-SEC-20140304-1.2	3/4/2014	3/11/2014	10108	19697.89	557.78	3/12/2014	---	---												
Southeast Control (SEC) Co-located sample	AL-SEC-20140304-2.2	3/4/2014	3/11/2014	10110	19496.87	552.09	3/12/2014	---	---												
Met Tower (MET)†	AL-MET-20140304-1.1	3/4/2014	3/11/2014	10069	15812.53	447.76	3/12/2014	---	---												
Salt Hoist (SLT)†	AL-SLT-20140304-1.1	3/4/2014	3/11/2014	10068	18923.89	535.87	3/12/2014	---	---												
Training Building (STB)†	AL-STB-20140304-1.1	3/4/2014	3/11/2014	10072	19026.48	538.77	3/12/2014	---	---												
WIPP Far Field (WFF)	AL-WFF-20140311-1.1	3/11/2014	3/18/2014					---	---												
WIPP East (WEE)	AL-WEE-20140311-1.1	3/11/2014	3/18/2014					---	---												
WIPP South (WSS)	AL-WSS-20140311-1.1	3/11/2014	3/18/2014					---	---												
Mills Ranch (MLR)	AL-MLR-20140311-1.1	3/11/2014	3/18/2014					---	---												
Carlsbad (CBD)	AL-CBD-20140311-1.1	3/11/2014	3/18/2014					---	---												
Smith Ranch (SMR)	AL-SMR-20140311-1.1	3/11/2014	3/18/2014					---	---												
Southeast Control (SEC)	AL-SEC-20140311-1.2	3/11/2014	3/18/2014					---	---												
Southeast Control (SEC) Co-located sample	AL-SEC-20140311-2.2	3/11/2014	3/18/2014					---	---												
Met Tower (MET)†	AL-MET-20140311-1.1	3/11/2014	3/18/2014					---	---												
Salt Hoist (SLT)†	AL-SLT-20140311-1.1	3/11/2014	3/18/2014					---	---												
Training Building (STB)†	AL-STB-20140311-1.1	3/11/2014	3/18/2014					---	---												
WIPP Far Field (WFF)	AL-WFF-20140318-1.1	3/18/2014	3/25/2014					---	---												
WIPP East (WEE)	AL-WEE-20140318-1.1	3/18/2014	3/25/2014					---	---												
WIPP South (WSS)	AL-WSS-20140318-1.1	3/18/2014	3/25/2014					---	---												
Mills Ranch (MLR)	AL-MLR-20140318-1.1	3/18/2014	3/25/2014					---	---												
Carlsbad (CBD)	AL-CBD-20140318-1.1	3/18/2014	3/25/2014					---	---												
Smith Ranch (SMR)	AL-SMR-20140318-1.1	3/18/2014	3/25/2014					---	---												
Southeast Control (SEC)	AL-SEC-20140318-1.2	3/18/2014	3/25/2014					---													

Environmental Air Filter Status

March 16, 2014

Location	Sample ID Number	Filter Installation Date	Filter Removal Date	Filter Operating Time (min)	Air Flow Volume (ft^3)	Air Flow Volume (m^3)	Sample to WIPP Lab	ISOLO Spectrum Analyzer Gross α / β Preliminary DPM / Gross α / β Final DPM	WIPP Labs Gross α DPM	Samples Results from WIPP Labs for Gross Alpha / Samples Results for Radiochemistry	WIPP Labs Radiochemistry: WIPP Labs Data Am-241 (pCi/sample)	WIPP Labs Data Am-241 (Bq/m^3)	WIPP Labs Data Am-241 (dpm/sample)	WIPP Labs Data Pu-238 (pCi/sample)	WIPP Labs Data Pu-238 (Bq/m^3)	WIPP Labs Data Pu-238 (dpm/sample)	WIPP Labs Data Pu-239/240 (pCi/sample)	WIPP Labs Data Pu-239/240 (Bq/m^3)	WIPP Labs Data Pu-239/240 (dpm/sample)

Southeast Control (SEC) Co-located sample	AL-SEC-20140318-2.2	3/18/2014	3/25/2014					---											

Met Tower (MET)†	AL-MET-20140318-1.1	3/18/2014	3/25/2014					---											

Salt Hoist (SLT)†	AL-SLT-20140318-1.1	3/18/2014	3/25/2014					---											

Training Building (STB)†	AL-STB-20140318-1.1	3/18/2014	3/25/2014					---											
								---											

* 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.

Environmental Surface Water Status

March 16, 2014

Location	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/L)	Pu-238 (dpm/L)	Pu-239/240 (dpm/L)
			Value	Value	Value
Surface Water Samples					
Evaporation Basin A	WS-EBA-20140219-1.2	2/19/2014	Below MDC	Below MDC	Below MDC
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 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	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			
Blank	WS-SOO-20140316-5.5	3/16/2014			

Environmental Sediment Status

March 16, 2014 12:00 AM

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

Minimum Detectable Concentration (MDC) Ranges are:
MDC AM-241: 5.22E-02 to 7.78E-02
MDC PU-239/240: 3.13E-02 to 4.89E-02

* Sample of opportunity collected during a rain event from WIPP site roof top and roadway drainage. Highest concentration is about 3% of the EPA drinking water standard for alpha radioactivity.
Note: Surface water samples and sediment samples are co-located. In the case where there is no water accumulation at the sampling site, only a sediment sample is shown.

Environmental Soil Sample Status

March 16, 2014

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

Minimum Detectable Concentration (MDC) Ranges are:

MDC Pu-239/240: 1.80E-02 to 2.18E-02

*The one soil sample with detected plutonium showed concentration in the range of historical results for this location.

Environmental Vegetation Status

March 16, 2014

Location	Sample ID Number	Sample Date	WIPP Labs Radiochemistry Results (dpm/g)	WIPP Labs Radiochemistry Results (Bq/g)
WIPP Far Field	BV-WFF-20140221-1.2	2/21/2014	Below MDC	Below MDC
WIPP Far Field (Duplicate)	BV-WFF-20140221-2.2	2/21/2014	Below MDC	Below MDC
WIPP East	BV-WEE-20140221-1.1	2/21/2014	Below MDC	Below MDC
WIPP South	BV-WSS-20140222-1.1	2/22/2014	Below MDC	Below MDC
Smith Ranch	BV-SMR-20140222-1.1	2/22/2014	Below MDC	Below MDC
Mills Ranch	BV-MLR-20140222-1.1	2/22/2014	Below MDC	Below MDC
Southeast Control	BV-SEC-20140222-1.1	2/22/2014	Below MDC	Below MDC

Minimum detectable concentration (MDC) ranges are:
MDC Am-241: 3.33E-02 to 3.38E-02
MDC Pu-238: 2.09E-02 to 2.17E-02
MDC Pu-239/240: 1.37E-02 to 1.44E-02

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. MDC corresponds to the lowest concentration measurement that can be detected by the laboratory instrumentation.