

## Hi Vol Activity - 2015

Sampling Site	Sample Period	241Am Bq/Sample	241Am Bq/M3	239+240Pu Bq/Sample	239+240Pu Bq/M3	238Pu Bq/Sample	238Pu Bq/M3
<b>On-Site</b>							
109 Yards NW of Exh. Shaft	1/6/15 - 1/22/15	n/d	n/d	n/d	n/d	n/d	n/d
(32, 22', 22.75"N; 103, 47', 30.26"W; elev. 3,419)	1/22/15 - 2/11/15	n/d	n/d	n/d	n/d	n/d	n/d
	2/11/15 - 3/18/15	3.20E-03	5.69E-08	n/d	n/d	n/d	n/d
	3/18/15 - 4/8/15	n/d	n/d	7.38E-04	2.16E-08	n/d	n/d
	4/8/15 - 4/27/15	8.84E-04	3.03E-08	6.74E-04	2.31E-08	n/d	n/d
	4/27/15 - 5/15/15	9.72E-04	3.17E-08	3.72E-04	1.21E-08	n/d	n/d
	5/15/15 - 6/3/15	8.04E-04	2.60E-08	n/d	n/d	n/d	n/d
	6/3/15 - 6/17/15	7.68E-04	3.43E-08	n/d	n/d	n/d	n/d
	6/17/15 - 7/8/15	1.41E-03	4.18E-08	6.00E-04	1.78E-08	n/d	n/d
	7/8/15 - 7/29/15	1.80E-03	6.26E-08	n/d	n/d	n/d	n/d
	7/29/15 - 8/7/15	5.88E-04	4.03E-08	n/d	n/d	n/d	n/d
	8/7/15 - 8/14/15	8.54E-04	7.58E-08	n/d	n/d	n/d	n/d
	8/14/15 - 8/28/15	3.46E-03	1.52E-07	n/d	n/d	n/d	n/d
	8/28/15 - 9/11/15	3.62E-03	1.60E-07	7.36E-04	3.25E-08	n/d	n/d
	9/11/15 - 9/25/15	6.54E-04	2.88E-08	n/d	n/d	n/d	n/d
	9/25/15 - 10/16/15	3.02E-03	8.95E-08	n/d	n/d	n/d	n/d
	10/16/15 - 11/2/15	1.08E-03	3.91E-08	n/d	n/d	n/d	n/d
	11/2/15 - 11/23/15	5.64E-04	1.93E-08	n/d	n/d	n/d	n/d
	11/23/15 - 12/11/15	2.64E-04	9.09E-09	n/d	n/d	n/d	n/d
	12/11/15 - 12/23/15	n/d	n/d	n/d	n/d	n/d	n/d
	12/23/15 - 1/8/16	4.66E-04	1.79E-08	n/d	n/d	n/d	n/d
<b>Near Field</b>							
0.6 Miles NW of Exh. Shaft	1/6/15 - 1/22/15	n/d	n/d	n/d	n/d	n/d	n/d
(32, 22', 39.69"N; 103, 47',	1/22/15 - 2/11/15	n/d	n/d	n/d	n/d	n/d	n/d
	2/11/15 - 3/18/15	7.46E-04	1.33E-09	5.76E-04	1.02E-09	n/d	n/d
	3/18/15 - 4/8/15	n/d	n/d	4.08E-04	1.22E-08	n/d	n/d
	4/8/15 - 4/27/15	n/d	n/d	5.72E-04	1.90E-08	n/d	n/d
	4/27/15 - 5/15/15	5.76E-04	2.08E-08	n/d	n/d	n/d	n/d
	5/15/15 - 6/3/15	3.46E-04	1.15E-08	n/d	n/d	n/d	n/d
	6/3/15 - 6/17/15	6.50E-04	2.93E-08	n/d	n/d	n/d	n/d
	6/17/15 - 7/8/15	n/d	n/d	4.52E-04	1.34E-08	n/d	n/d
	7/8/15 - 7/29/15	n/d	n/d	n/d	n/d	n/d	n/d
	7/29/15 - 8/7/15	n/d	n/d	n/d	n/d	n/d	n/d
	8/7/15 - 8/14/15	n/d	n/d	n/d	n/d	n/d	n/d
	8/14/15 - 8/28/15	n/d	n/d	n/d	n/d	n/d	n/d
	8/28/15 - 9/11/15	5.38E-04	2.40E-08	n/d	n/d	n/d	n/d
	9/11/15 - 9/25/15	6.20E-04	2.71E-08	n/d	n/d	n/d	n/d
	9/25/15 - 10/16/15	n/d	n/d	n/d	n/d	n/d	n/d
	10/16/15 - 11/2/15	n/d	n/d	n/d	n/d	n/d	n/d
	11/2/15 - 11/23/15	n/d	n/d	n/d	n/d	n/d	n/d
	11/23/15 - 12/11/15	4.48E-04	1.55E-08	n/d	n/d	n/d	n/d
	12/11/15 - 12/23/15	n/d	n/d	n/d	n/d	n/d	n/d
	12/23/15 - 1/8/16	n/d	n/d	n/d	n/d	n/d	n/d

n/d = no detection (results were below minimum detection concentrations)

Bq/M3 = Bq adjusted for flow volume using flow rate and time

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Sampling Site	Sample Period	241Am Bq/Sample	241Am Bq/M3	239+240Pu Bq/Sample	239+240Pu Bq/M3	238Pu Bq/Sample	238Pu Bq/M3
<b>Cactus Flats</b>							
11.8 Miles SE of Exh. Shaft	1/6/15 - 1/22/15	n/d	n/d	n/d	n/d	n/d	n/d
(32, 13', 5.54"N; 103, 41', 42.5"W; elev. 3,579)	1/22/15 - 2/11/15	n/d	n/d	n/d	n/d	n/d	n/d
	2/11/15 - 3/18/15	n/d	n/d	n/d	n/d	n/d	n/d
	3/18/15 - 4/8/15	n/d	n/d	5.50E-04	1.62E-08	n/d	n/d
	4/8/15 - 4/27/15	n/d	n/d	5.78E-04	1.88E-08	n/d	n/d
	4/27/15 - 5/15/15	n/d	n/d	n/d	n/d	n/d	n/d
	5/15/15 - 6/3/15	4.62E-04	1.52E-08	n/d	n/d	n/d	n/d
	6/3/15 - 6/17/15	n/d	n/d	n/d	n/d	n/d	n/d
	6/17/15 - 7/8/15	n/d	n/d	5.52E-04	1.62E-08	n/d	n/d
	7/8/15 - 7/29/15	5.22E-04	1.53E-08	n/d	n/d	n/d	n/d
	7/29/15 - 8/7/15	n/d	n/d	n/d	n/d	n/d	n/d
	8/7/15 - 8/14/15	n/d	n/d	n/d	n/d	n/d	n/d
	8/14/15 - 8/28/15	n/d	n/d	n/d	n/d	n/d	n/d
	8/28/15 - 9/11/15	4.42E-04	1.94E-08	n/d	n/d	n/d	n/d
	9/11/15 - 9/25/15	n/d	n/d	n/d	n/d	n/d	n/d
	9/25/15 - 10/16/15	n/d	n/d	n/d	n/d	n/d	n/d
	10/16/15 - 11/2/15	n/d	n/d	n/d	n/d	n/d	n/d
	11/2/15 - 11/23/15	4.20E-04	1.36E-08	4.92E-04	1.59E-08	n/d	n/d
	11/23/15 - 12/11/15	4.30E-04	1.48E-08	n/d	n/d	n/d	n/d
	12/11/15 - 12/23/15	5.34E-04	2.75E-08	3.30E-04	1.70E-08	n/d	n/d
	12/23/15 - 1/8/16	n/d	n/d	n/d	n/d	n/d	n/d
<b>Loving</b>							
29 Miles SW of Exh. Shaft	5/15/15 - 6/3/15	3.16E-04	1.02E-08	3.52E-04	1.13E-08	n/d	n/d
(32, 16', 39.62"N; 104, 05', 43.22"W; elev. 3,066)	6/3/15 - 6/17/15	n/d	n/d	n/d	n/d	n/d	n/d
	6/17/15 - 7/8/15	n/d	n/d	n/d	n/d	n/d	n/d
	7/8/15 - 7/29/15	n/d	n/d	n/d	n/d	n/d	n/d
	7/29/15 - 8/7/15	4.00E-04	3.14E-08	n/d	n/d	n/d	n/d
	8/7/15 - 8/14/15	n/d	n/d	n/d	n/d	n/d	n/d
	8/14/15 - 8/28/15	5.68E-04	2.63E-08	n/d	n/d	n/d	n/d
	8/28/15 - 9/11/15	3.18E-04	1.44E-08	n/d	n/d	n/d	n/d
	9/11/15 - 9/25/15	n/d	n/d	n/d	n/d	n/d	n/d
	9/25/15 - 10/16/15	n/d	n/d	n/d	n/d	n/d	n/d
	10/16/15 - 11/2/15	4.08E-04	1.47E-08	n/d	n/d	n/d	n/d
	11/2/15 - 11/23/15	n/d	n/d	4.38E-04	1.28E-08	n/d	n/d
	11/23/15 - 12/11/15	n/d	n/d	n/d	n/d	n/d	n/d
	12/11/15 - 12/23/15	n/d	n/d	n/d	n/d	n/d	n/d
	12/23/15 - 1/8/16	n/d	n/d	n/d	n/d	n/d	n/d
<b>Carlsbad</b>							
35 Miles NW of Exh. Shaft	5/15/15 - 6/3/15	n/d	n/d	n/d	n/d	n/d	n/d
(32, 26', 18.36"N; 104, 15', 58.17"W; elev. 3,219)	6/3/15 - 6/17/15	n/d	n/d	n/d	n/d	n/d	n/d
	6/17/15 - 7/8/15	n/d	n/d	n/d	n/d	n/d	n/d
	7/8/15 - 7/29/15	n/d	n/d	n/d	n/d	8.88E-05	2.61E-09
	7/29/15 - 8/7/15	n/d	n/d	n/d	n/d	n/d	n/d
	8/7/15 - 8/14/15	2.28E-04	2.08E-08	n/d	n/d	n/d	n/d
	8/14/15 - 8/28/15	n/d	n/d	n/d	n/d	n/d	n/d
	8/28/15 - 9/11/15	5.00E-04	2.32E-08	3.52E-04	1.63E-08	n/d	n/d
	9/11/15 - 9/25/15	n/d	n/d	n/d	n/d	n/d	n/d
	9/25/15 - 10/16/15	n/d	n/d	4.68E-04	1.38E-08	n/d	n/d
	10/16/15 - 11/2/15	5.58E-04	2.00E-08	n/d	n/d	n/d	n/d
	11/2/15 - 11/23/15	n/d	n/d	3.80E-04	1.11E-08	n/d	n/d
	11/23/15 - 12/11/15	n/d	n/d	n/d	n/d	n/d	n/d
	12/11/15 - 12/23/15	n/d	n/d	n/d	n/d	n/d	n/d
	12/23/15 - 1/8/16	n/d	n/d	n/d	n/d	n/d	n/d

n/d = no detection (results were below minimum detection concentrations)

Bq/M3 = Bq adjusted for flow volume using flow rate and time