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**Station A Exhaust Air Monitoring at the Waste Isolation Pilot Plant Conducted by the
New Mexico Environment Department, DOE Oversight Bureau, January – March 2011**

The New Mexico Environment Department DOE Oversight Bureau has compiled and assessed data collected from Station A for January through March 2011. The accompanying data report shows results for selected analytes and sample blanks as determined by an independent analytical laboratory.

There were no detections of activity exceeding the sample MDC for Sr-90, Pu-238, Pu-239/240, U-235, or U-238. U-234 was detected with activities exceeding the sample MDC in January. Cs-137 was detected with activity exceeding the sample MDC for March, which agrees with the Permittees Station A results. Am-241 was also detected in March, with activity exceeding the sample MDC. This analyte was also detected in the Oversight Bureau's matrix blank.

Response

Questions and or comments may be addressed to Thomas Kesterson by phone at 575-887-6851, by e-mail at thomasl.kesterson@state.nm.us, or to the address in the above letterhead.

Enclosure: (1) Table 1 – Laboratory Results for Selected Analytes from Station A, January -
March, 2011

Cc: Susan McCauslin, DOE CBFO
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Thomas Skibitski, Chief, NMED DOE OB

Table 1 – Laboratory Results for Selected Analytes from Station A, January – March, 2011.

<i>Jan-11 Station A</i>	Analytical Results Monthly Composite Sample				<i>Data Summaries</i>	
	Result	2 s TPU	Sample	Lab	Result	2 s
	pCi/composite		MDC	Flag	nBq/m ³	
Sr-90	0.0034	0.23	0.53	U	91	6200
Pu-239/40	0.0089	0.023	0.040	U	240	620
Pu-238	0.030	0.029	0.033	U	805	780
Am-241	0.020	0.022	0.029	U	540	590
Cs-137	-0.95	2.8	4.8	U	-26000	75000
U-234	0.084	0.053	0.061	LT	2300	1400
U-235	0.0029	0.026	0.046	U	78	700
U-238	0.017	0.033	0.069	U	460	890
Total Air Flow	(m ³) 1378	(ft ³) 48682				

<i>Feb-11 Station A</i>	Analytical Results Monthly Composite Sample				<i>Data Summaries</i>	
	Result	2 s TPU	Sample	Lab	Result	2 s
	pCi/composite		MDC	Flag	nBq/m ³	
Sr-90	0.041	0.24	0.55	U	750	4400
Pu-239/40	0.017	0.026	0.047	U	310	470
Pu-238	0.016	0.022	0.032	U	290	401
Am-241	0.0041	0.021	0.031	U	75	380
Cs-137	1.0	2.6	4.3	U	18000	47000
U-234	0.041	0.036	0.047	U	750	660
U-235	-0.011	0.026	0.060	U	-201	470
U-238	0.035	0.033	0.047	U	640	602
Total Air Flow	(m ³) 2028	(ft ³) 71650				

<i>Mar-11 Station A</i>	Analytical Results Monthly Composite Sample				<i>Data Summaries</i>	
	Result	2 s TPU	Sample	Lab	Result	2 s
	pCi/composite		MDC	Flag	nBq/m ³	
Sr-90	-0.040	0.23	0.53	U	-820	4700
Pu-239/40	0.021	0.026	0.039	U	430	530
Pu-238	0.033	0.031	0.039	U	680	640
Am-241	0.036	0.029	0.028	LT	740	590
Cs-137	7.0	3.0	4.3	LT	140000	62000
U-234	0.0096	0.024	0.054	U	190	492
U-235	0	0.027	0.020	U	0	550
U-238	0.014	0.027	0.057	U	290	550
Total Air Flow	(m ³) 1805	(ft ³) 63742				

Table 1 – Laboratory Results for Selected Analytes from Station A, January – March, 2011.

<i>Station A</i>				
Analyte	Result	2 s TPU	MDC	Lab Flag
	pCi/composite			
Sr 90	-0.25	0.24	0.57	U
Pu-239/40	0.013	0.023	0.017	U
Pu-238	0.004	0.023	0.033	U
Am 241	0.029	0.027	0.016	LT
Cs 137	0.9	3.7	6.2	U
U-234	0.021	0.031	0.058	U
U-235	-0.002	0.025	0.036	U
U-238	-0.007	0.021	0.046	U

Definitions:

Qualifiers / Flags

U – Result is less than the sample specific MDC.

LT – Result is less than Requested MDC, greater than sample specific MDC.

Abbreviations:

TPU – Total Propagated Uncertainty

MDC – Minimum Detectable Concentration