



SUSANA MARTINEZ
Governor

JOHN A. SANCHEZ
Lieutenant Governor

**NEW MEXICO
ENVIRONMENT DEPARTMENT**

DOE Oversight Bureau

**406 North Guadalupe Street
Carlsbad, New Mexico 88220
Phone (575) 885-9023 Fax (575) 887-9283
www.nmenv.state.nm.us**



DAVE MARTIN
Secretary

BUTCH TONGATE
Deputy Secretary

THOMAS SKIBITSKI
Acting Director
Resource Protection Division

January 23, 2013

George Basabilvazo
U.S. Department of Energy
Carlsbad Field Office
Carlsbad, NM 88220

Subject: Station A Exhaust Air Monitoring at the Waste Isolation Pilot Plant Conducted by the New Mexico Environment Department, DOE Oversight Bureau, July - September 2012

Mr. Basabilvazo,

This letter transmits the subject report as final.

The monitoring results are provided to DOE. If you have any questions, or would like copies of the complete data set, please contact me at 575-885-9023.

Sincerely,

Thomas Kesterson
Environmental Specialist –O
WIPP Oversight Section

Enclosure: Draft data submittal entitled: "Station A Exhaust Air Monitoring at the Waste Isolation Pilot Plant Conducted by the New Mexico Environment Department, DOE Oversight Bureau, July – September 2012", with the following enclosures:

- (1) Table 1 – Laboratory Results for Selected Analytes from Station A, July - September 2012.

Cc: Thomas Skibitski, Bureau Chief NMED DOE OB



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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, July – September 2012

The New Mexico Environment Department DOE Oversight Bureau has compiled and assessed data collected from Station A for July through September 2012. The accompanying data report shows results for selected analytes and sample blanks as determined by an independent analytical laboratory.

Results

Results indicate no activities above the sample Minimum Detectable Concentration (MDC) for americium-241, cesium-137, isotopic plutonium, strontium-90, or isotopic uranium.

Response

Questions and or comments may be addressed to Thomas Kesterson by phone at 575-885-9023, by e-mail at thomasl.kesteron@state.nm.us, or to the address in the above letterhead.

Enclosure: (1) Table 1 – Laboratory Results for Selected Analytes from Station A July -
September 2012

Cc: George Basabilvazo, DOE CBFO
Thomas Skibitski, Bureau Chief, NMED DOE OB

Table 1 – Laboratory Results for Selected Analytes from Station A, July - September 2012

<i>Jul-12</i> <i>Station A</i> Analyte	Analytical Results Monthly Composite Sample				<i>Data Summaries</i>	
	Result	2s TPU	Sample	Lab	Result	2s TPU
	pCi/composite		MDC	Flag	nBq/m ³	
Sr-90	5.55E-01	4.4E-01	7.24E-01	U	8.48E+03	6.72E+03
Pu-239/240	6.76E-03	1.7E-02	3.87E-02	U	1.03E+02	2.60E+02
Pu-238	-4.52E-03	1.3E-02	3.88E-02	U	-6.90E+01	1.99E+02
Am-241	-6.42E-03	1.3E-02	4.55E-02	U	-9.81E+01	1.99E+02
Cs-137	-1.23E-01	6.6E-01	1.12E+00	U	-1.88E+03	1.01E+04
U-234	1.53E-02	2.3E-02	4.32E-02	U	2.34E+02	3.51E+02
U-235	6.12E-03	2.4E-02	5.97E-02	U	9.35E+01	3.67E+02
U-238	6.12E-03	2.40E-02	5.97E-02	U	9.35E+01	3.67E+02
Total Air Flow	(m ³) 2422	(ft ³) 85558				

<i>Aug-12</i> <i>Station A</i> Analyte	Analytical Results Monthly Composite Sample				<i>Data Summaries</i>	
	Result	2s TPU	Sample	Lab	Result	2s TPU
	pCi/composite		MDC	Flag	nBq/m ³	
Sr-90	4.19E-01	4.8E-01	8.42E-01	U	6.68E+03	7.65E+03
Pu-239/240	6.68E-03	1.8E-02	4.10E-02	U	1.07E+02	2.87E+02
Pu-238	-1.91E-03	1.0E-02	2.70E-02	U	-3.05E+01	1.59E+02
Am-241	-9.34E-03	1.5E-02	5.45E-02	U	-1.49E+02	2.39E+02
Cs-137	3.23E-01	9.1E-01	1.59E+00	U	5.15E+03	1.45E+04
U-234	3.22E-02	3.70E-02	5.06E-02	U	5.13E+02	5.90E+02
U-235	-3.58E-03	1.9E-02	5.06E-02	U	-5.71E+01	3.03E+02
U-238	5.01E-02	4.5E-02	5.06E-02	U	7.99E+02	7.18E+02
Total Air Flow	(m ³) 2320	(ft ³) 81956				

<i>Sep-12</i> <i>Station A</i> Analyte	Analytical Results Monthly Composite Sample				<i>Data Summaries</i>	
	Result	2s TPU	Sample	Lab	Result	2s TPU
	pCi/composite		MDC	Flag	nBq/m ³	
Sr-90	2.68E-01	5.4E-01	9.70E-01	U	4.30E+03	8.66E+03
Pu-239/240	2.10E-03	1.7E-02	4.50E-02	U	3.37E+01	2.73E+02
Pu-238	-1.47E-02	1.5E-02	5.50E-02	U	-2.36E+02	2.41E+02
Am-241	1.07E-03	1.2E-02	3.67E-02	U	1.72E+01	1.92E+02
Cs-137	7.14E-01	1.1E+00	1.89E+00	U	1.15E+04	1.76E+04
U-234	6.51E-02	5.6E-02	8.33E-02	U	1.04E+03	8.98E+02
U-235	4.77E-03	1.7E-02	4.49E-02	U	7.65E+01	2.73E+02
U-238	1.27E-02	2.3E-02	4.49E-02	U	2.04E+02	3.69E+02
Total Air Flow	(m ³) 2307	(ft ³) 81489				