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RON CURRY
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July 13, 2009

Jody Plum
Department of Energy
Carlsbad Field Office
Carlsbad, NM 88220

Subject: Ambient Air Monitoring at the Waste Isolation Pilot Plant Conducted by NMED/DOE OB for the Third Calendar Quarter 2008

Mr. Plum,

This letter transmits the subject report for your review.

The monitoring results are provided to DOE for review and comment prior to their release as final to other State of New Mexico and federal agencies, the NMED website and interested members of the public. If you have any questions, or would like copies of the complete data set, please contact me at 575-887-6851.

Sincerely,

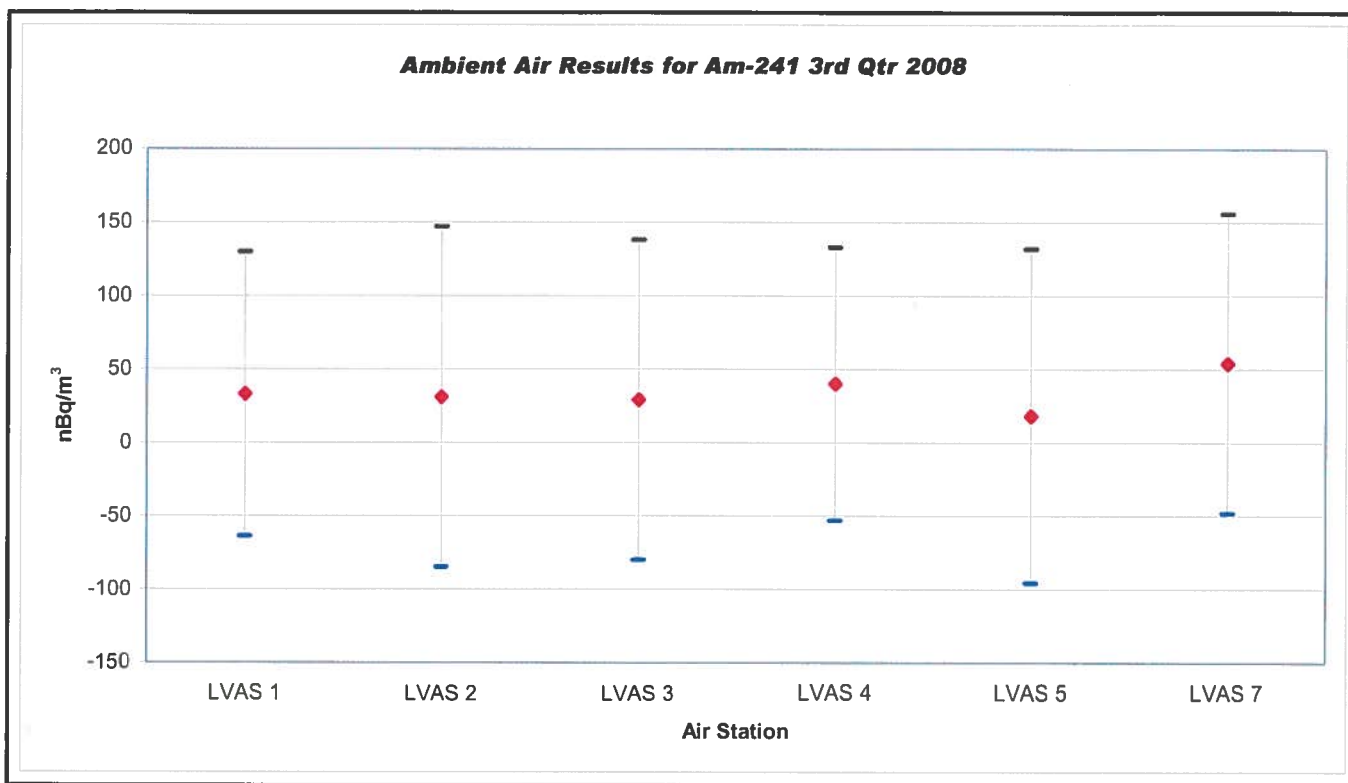
A handwritten signature in black ink, appearing to read "Thomas Kesterson".

Thomas Kesterson
Environmental Specialist -O
WIPP Oversight Section

Enclosure: Draft data submittal entitled: "Ambient Air Monitoring at the Waste Isolation Pilot Plant Conducted by NMED/DOE OB for the Third Calendar Quarter 2008" with the following enclosures:

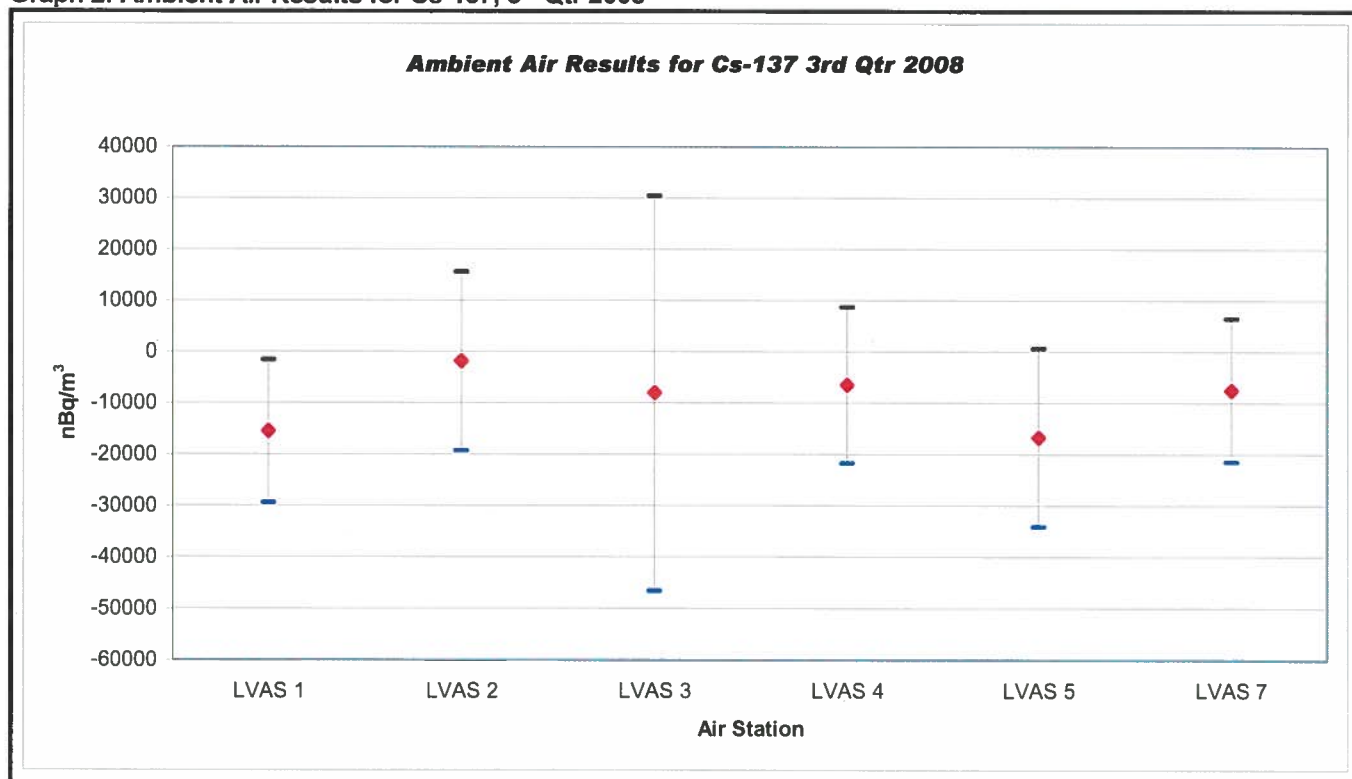
1. Graph 1 – Ambient Air Results for Am-241, 3rd Calendar Qtr 2008.
2. Graph 2 – Ambient Air Results for Cs-137, 3rd Calendar Qtr 2008.
3. Graph 3 – Ambient Air Results for Pu-238, 3rd Calendar Qtr 2008.
4. Graph 4 – Ambient Air Results for Pu-239/240, 3rd Calendar Qtr 2008.
5. Graph 5 – Ambient Air Results for Sr-90, 3rd Calendar Qtr 2008.
6. Table 1 - Third Calendar Quarter 2008 Ambient Air Laboratory Results.

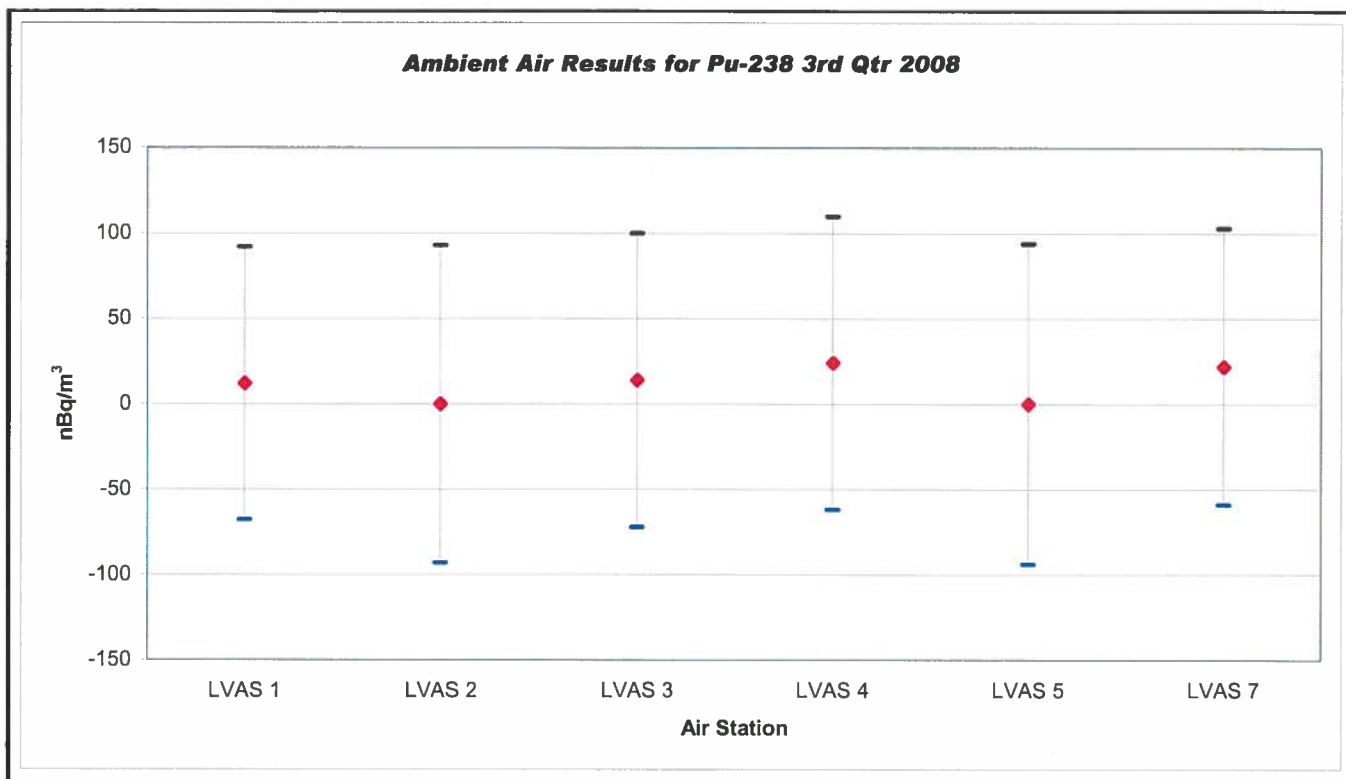
Cc: Dan Ferguson, Site Regulatory Specialist, DOE / CBFO
Tom Skibitski, Bureau Chief, NMED DOE OB



Graph 1: Ambient Air Results for Am-241, 3rd Qtr 2008

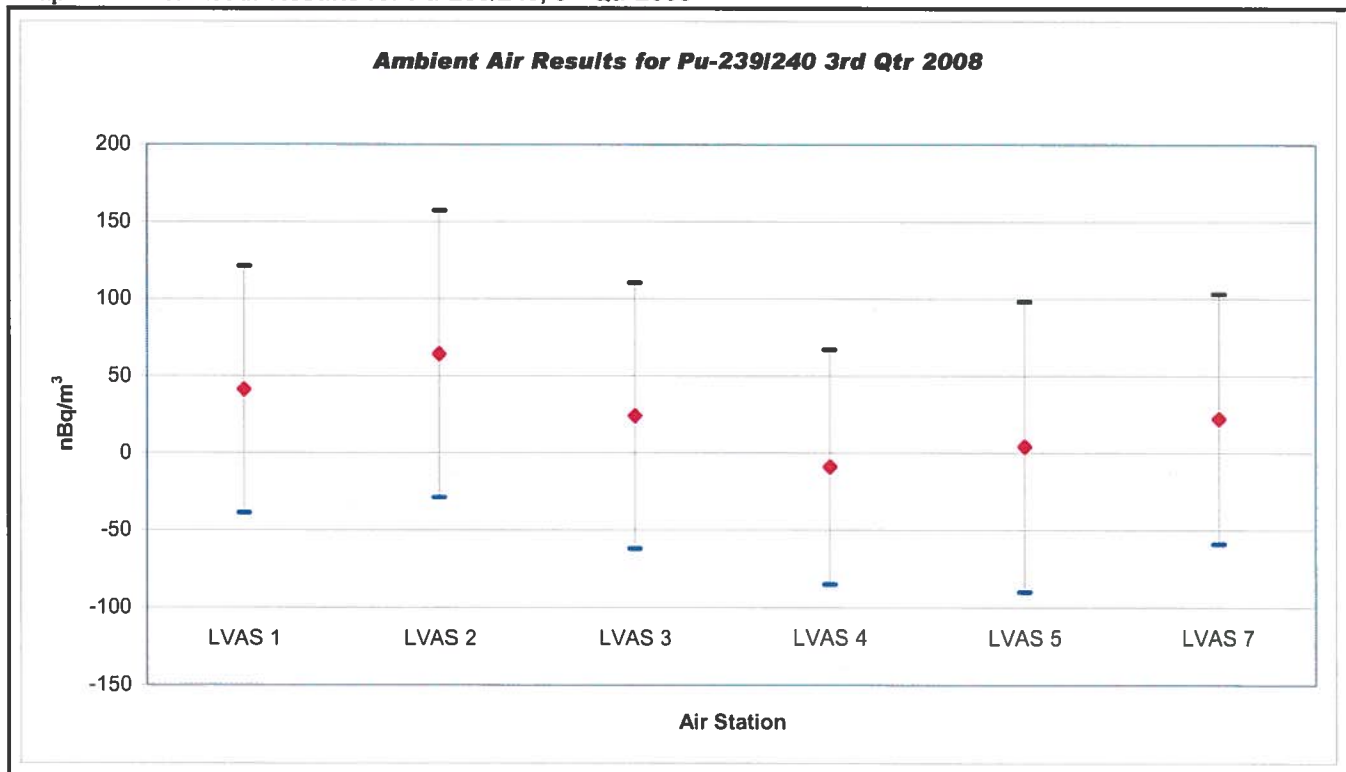
Graph 2: Ambient Air Results for Cs-137, 3rd Qtr 2008

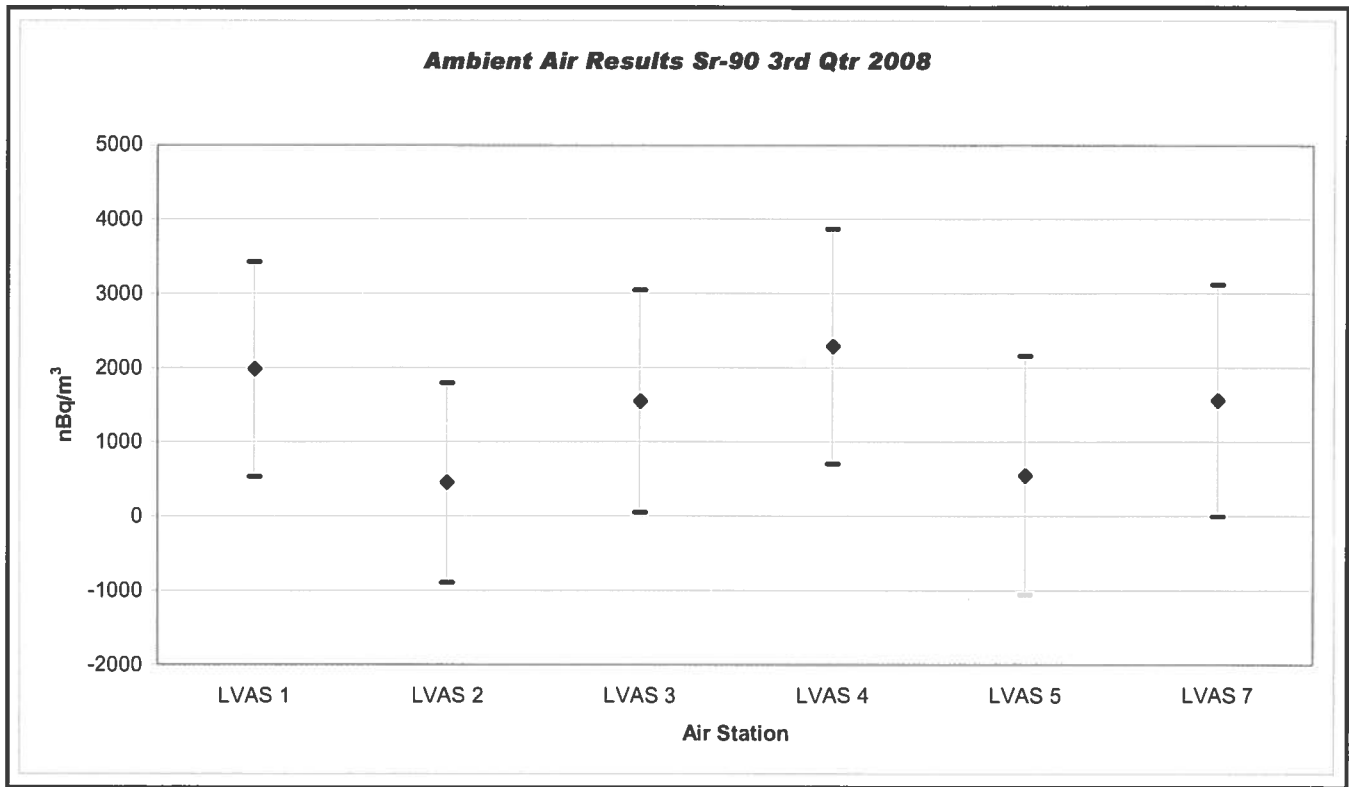




Graph 3: Ambient Air Results for Pu-238, 3rd Qtr 2008

Graph 4: Ambient Air Results for Pu-239/240, 3rd Qtr 2008





Graph 5: Ambient Air Results for Sr-90, 3rd Qtr 2008.

Table 1- Third Calendar Quarter 2008 Ambient Air Laboratory Results

2008 3rd Qtr LVAS 1				Data Summaries		
Analyte	Result	2 s TPU	MDC	Lab Flag	Result	2 s TPU
	pCi/composite				nBq/m3	
Sr 90	0.370	0.270	0.540	U	1984	1448
Pu-239/40	0.008	0.015	0.010	U	41	80
Pu-238	0.002	0.015	0.022	U	12	80
Am 241	0.008	0.018	0.028	U	33	97
Cs 137	-2.900	2.600	4.500	U	-15551	13942
Total Air Flow 6900 m ³						

2008 3rd Qtr LVAS 2				Data Summaries		
Analyte	Result	2 s TPU	MDC	Lab Flag	Result	2 s TPU
	pCi/composite				nBq/m3	
Sr 90	0.078	0.230	0.530	U	454	1340
Pu-239/40	0.011	0.016	0.024	U	64	93
Pu-238	0.000	0.016	0.011	U	0	93
Am 241	0.005	0.020	0.014	U	31	116
Cs 137	-0.320	3.000	5.200	U, M	-1864	17472
Total Air Flow	6353 m ³					

2008 3rd Qtr LVAS 3				Data Summaries		
Analyte	Result	2 s TPU	MDC	Lab Flag	Result	2 s TPU
	pCi/composite				nBq/m3	
Sr 90	0.270	0.260	0.540	U	1552	1494
Pu-239/40	0.004	0.015	0.011	U	24	86
Pu-238	0.002	0.015	0.023	U	14	86
Am 241	0.005	0.019	0.014	U	29	109
Cs 137	-1.400	6.700	11.000	U, M	-8047	38512
Total Air Flow 6437 m ³						

Qualifiers/Flags

U – Result is less than the sample specific MDC

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

M – The requested MDC was not met.

Abbreviations

TPU - Total Propagated Uncertainty

MDC – Minimum Detectable Concentration

Table 1- Third Calendar Quarter 2008 Ambient Air Laboratory Results

2008 3rd Qtr LVAS 4				Data Summaries		
Analyte	Result	2 s TPU	MDC	Lab Flag	Result	2 s TPU
	pCi/composite				nBq/m3	
Sr 90	0.420	0.290	0.570	U	2289	1581
Pu-239/40	-0.002	0.014	0.021	U	-9	76
Pu-238	0.004	0.014	0.026	U	24	76
Am 241	0.007	0.017	0.026	U	40	93
Cs 137	-1.200	2.800	4.800	U	-6541	15262
Total Air Flow 6788 m ³						

2008 3rd Qtr LVAS 5			Data Summaries			
Analyte	Result	2 s TPU	MDC	Lab Flag	Result	2 s TPU
	pCi/composite				nBq/m3	
Sr 90	0.082	0.240	0.540	U	550	1609
Pu-239/40	0.001	0.014	0.026	U	4	94
Pu-238	0.000	0.014	0.010	U	0	94
Am 241	0.003	0.017	0.027	U	18	114
Cs 137	-2.500	2.600	4.500	U	-16757	17428
Total Air Flow	5520 m ³					

2008 3rd Qtr LVAS 7				Data Summaries		
Analyte	Result	2 s TPU	MDC	Lab Flag	Result	2 s TPU
	pCi/composite				nBq/m3	
Sr 90	0.290	0.290	0.600	U	1560	1560
Pu-239/40	0.004	0.015	0.011	U	22	81
Pu-238	0.004	0.015	0.011	U	22	81
Am 241	0.010	0.019	0.038	U	54	102
Cs 137	-1.400	2.600	4.500	U	-7532	13989
Total Air Flow 6877 m ³						

Qualifiers/Flags

U – Result is less than the sample specific MDC

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

M – The requested MDC was not met.

Abbreviations

TPU – Total Propagated Uncertainty

MDC – Minimum Detectable Concentration