



NEW MEXICO
ENVIRONMENT DEPARTMENT



DOE Oversight Bureau

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RON CURRY
Secretary
JON GOLDSTEIN
Deputy Secretary

March 19, 2008

Gayle Dye, Ph.D., POC
U.S. Department of Energy
P.O Box 5400
Albuquerque, New Mexico 87185-5400

RE: NMED/DOE-OB Data Submittal for AIRNET Airborne Particulate Radiation and Atmospheric Tritium Results at Sandia National Laboratories, Third Quarter Calendar Year 2007

Dear Dr. Dye:

The DOE Oversight Bureau Sandia Oversight Section (DOE-OB/SOS) of the New Mexico Environment Department has compiled the air monitoring data from third quarter calendar year 2007. The samples were obtained using continuously operating air samplers which collected airborne particles on filters and atmospheric moisture with silica gel. The bureau staff is currently operating three perimeter stations located near Four Hills (KAIR-01), USGS (KAIR-02) and SW Base (KAIR-03) and one onsite location at the MWL (KAIR-04). The samples were submitted to Paragon Analytics for gamma spectroscopy, isotopic americium, isotopic plutonium, isotopic uranium and tritium analyses.

Filters are collected bi-weekly and combined into a single quarterly sample for each station. The airborne concentrations are calculated from per-sample results. Silica gel samples are collected after each quarter, except for the MWL, which is collected bi-weekly. Tritium results at the MWL are representative of the two week period during which each was collected and are not composited.

The monitoring results will be provided to DOE for review and comment prior to their release as final to other State of New Mexico and federal agencies, the Pueblos, our website and interested members of the public. If you have any questions, or if you would like copies of the complete data set, please contact Chris Armijo at (505)845-5824 or contact me at (505)845-5933.

Sincerely,

Barry S. Birch
Program Manager
Sandia Oversight Section

BSB:ca

Enclosure: (1) Airborne Particulate Radiation and Atmospheric Tritium Results

cc: Karen Agogino, DOE/SSO, MS 0184
Carolyn Holloway, DOE/SSO, MS 0184
Thomas Skibitski, Bureau Chief, DOE-OB
Bill Bartels, Environmental Scientist, DOE-OB LANL
Chris Armijo, Environmental Scientist, DOE-OB SNL

File: 5603.8

**New Mexico Environment Department DOE Oversight Bureau, SNL Oversight Section
Calendar Quarter AIRNET Monitoring Program Analytical Results**

NMED DOE Oversight Bureau	RESULT:	Units	UNCERT: (same units as results)	MDA:	Air Volume M ³	Avg. Abs. Hum.: g/M ³	Lab Sample Type
Third Calendar Quarter 2007							
SPL44							
KAIR-01 Four Hills							
Ac-228							
9/28/2007 11:35:00 AM	1445.19	aCi/M3	737.81	1445.19	13147.07		CS
Ag-110m							
9/28/2007 11:35:00 AM	167.34	aCi/M3	235.79	395.53	13147.07		CS
Al-26							
9/28/2007 11:35:00 AM	9.13	aCi/M3	258.61	448.77	13147.07		CS
Am-241							
9/28/2007 11:35:00 AM	1673.38	aCi/M3	2510.06	4107.38	13147.07		CS
Be-7							
9/28/2007 11:35:00 AM	114093.85	aCi/M3	15212.51	5096.19	13147.07		CS
Bi-212							
9/28/2007 11:35:00 AM	2129.75	aCi/M3	3118.57	5172.25	13147.07		CS
Bi-214							
9/28/2007 11:35:00 AM	152.13	aCi/M3	988.81	1597.31	13147.07		CS
Cd-109							
9/28/2007 11:35:00 AM	-1521.25	aCi/M3	6237.13	10648.76	13147.07		CS
Ce-139							
9/28/2007 11:35:00 AM	-319.46	aCi/M3	296.64	502.01	13147.07		CS
Ce-144							
9/28/2007 11:35:00 AM	-988.81	aCi/M3	1293.06	2129.75	13147.07		CS
Co-56							
9/28/2007 11:35:00 AM	0.00	aCi/M3	600.89	1064.88	13147.07		CS
Co-57							

red font is used for values above detection limit.

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	RESULT:	Units	UNCERT: (same units as results)	MDA:	Air Volume M ³	Avg. Abs. Hum.: g/M ³	Lab Sample Type
9/28/2007 11:35:00 AM	-83.67	aCi/M3	174.94	289.04	13147.07		CS
Co-58							
9/28/2007 11:35:00 AM	7.61	aCi/M3	349.89	600.89	13147.07		CS
Co-60							
9/28/2007 11:35:00 AM	41.83	aCi/M3	235.79	410.74	13147.07		CS
Cr-51							
9/28/2007 11:35:00 AM	-4791.94	aCi/M3	5780.75	9888.13	13147.07		CS
Cs-134							
9/28/2007 11:35:00 AM	-69.98	aCi/M3	243.40	410.74	13147.07		CS
Cs-137							
9/28/2007 11:35:00 AM	-129.31	aCi/M3	235.79	403.13	13147.07		CS
Eu-152							
9/28/2007 11:35:00 AM	205.37	aCi/M3	1140.94	1977.63	13147.07		CS
Eu-154							
9/28/2007 11:35:00 AM	-425.95	aCi/M3	1293.06	2205.81	13147.07		CS
Eu-155							
9/28/2007 11:35:00 AM	174.94	aCi/M3	699.78	1140.94	13147.07		CS
Fe-59							
9/28/2007 11:35:00 AM	1064.88	aCi/M3	988.81	1521.25	13147.07		CS
GROSSA							
9/28/2007 11:35:00 AM	5932.88	aCi/M3	988.81	106.49	13147.07		CS
GROSSB							
9/28/2007 11:35:00 AM	19015.64	aCi/M3	3042.50	159.73	13147.07		CS
H-3							
9/28/2007 11:35:00 AM	-0.41	pCi/M3	1.82	3.06		8.270	CS
I-131							
9/28/2007 11:35:00 AM	-2281.88	aCi/M3	16733.76	28903.77	13147.07		CS
K-40							

red font is used for values above detection limit.

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	RESULT:	Units	UNCERT:	MDA:	Air Volume	Avg. Abs. Hum.:	Lab Sample
			(same units as results)		M^3	g/M^3	Type
9/28/2007 11:35:00 AM	3727.07	aCi/M3	6693.51	11409.38	13147.07		CS
Mn-54							
9/28/2007 11:35:00 AM	-106.49	aCi/M3	243.40	425.95	13147.07		CS
Na-22							
9/28/2007 11:35:00 AM	-212.98	aCi/M3	243.40	433.56	13147.07		CS
Nb-94							
9/28/2007 11:35:00 AM	83.67	aCi/M3	235.79	387.92	13147.07		CS
Nb-95							
9/28/2007 11:35:00 AM	39.55	aCi/M3	334.68	570.47	13147.07		CS
Pa-234M							
9/28/2007 11:35:00 AM	25100.65	aCi/M3	37270.66	60850.05	13147.07		CS
Pb-212							
9/28/2007 11:35:00 AM	190.16	aCi/M3	722.59	1217.00	13147.07		CS
Pb-214							
9/28/2007 11:35:00 AM	311.86	aCi/M3	425.95	699.78	13147.07		CS
Ru-106							
9/28/2007 11:35:00 AM	-623.71	aCi/M3	2281.88	3879.19	13147.07		CS
Sb-124							
9/28/2007 11:35:00 AM	60.85	aCi/M3	418.34	699.78	13147.07		CS
Sb-125							
9/28/2007 11:35:00 AM	220.58	aCi/M3	578.08	988.81	13147.07		CS
Sc-46							
9/28/2007 11:35:00 AM	-75.30	aCi/M3	327.07	570.47	13147.07		CS
Sr-85							
9/28/2007 11:35:00 AM	144.52	aCi/M3	486.80	836.69	13147.07		CS
Th-227							
9/28/2007 11:35:00 AM	273.83	aCi/M3	1901.56	3118.57	13147.07		CS
Th-234							

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	RESULT:	Units	UNCERT: (same units as results)	MDA:	Air Volume M ³	Avg. Abs. Hum.: g/M ³	Lab Sample Type
9/28/2007 11:35:00 AM	6693.51	aCi/M3	3651.00	5704.69	13147.07		CS
TI-208							
9/28/2007 11:35:00 AM	-98.88	aCi/M3	509.62	836.69	13147.07		CS
U-235							
9/28/2007 11:35:00 AM	-418.34	aCi/M3	1064.88	1825.50	13147.07		CS
Zn-65							
9/28/2007 11:35:00 AM	50.20	aCi/M3	540.04	912.75	13147.07		CS
KAIR-02 USGS							
Ac-228							
9/28/2007 10:10:00 AM	2155.43	aCi/M3	1077.72	1706.38	11134.66		CS
Ag-110m							
9/28/2007 10:10:00 AM	7.01	aCi/M3	260.45	440.07	11134.66		CS
Al-26							
9/28/2007 10:10:00 AM	-305.35	aCi/M3	413.12	718.48	11134.66		CS
Am-241							
9/28/2007 10:10:00 AM	-1347.14	aCi/M3	1886.00	3233.15	11134.66		CS
Be-7							
9/28/2007 10:10:00 AM	107771.57	aCi/M3	14369.54	5658.01	11134.66		CS
Bi-212							
9/28/2007 10:10:00 AM	3412.77	aCi/M3	3682.20	6017.25	11134.66		CS
Bi-214							
9/28/2007 10:10:00 AM	898.10	aCi/M3	565.80	889.12	11134.66		CS
Cd-109							
9/28/2007 10:10:00 AM	1347.14	aCi/M3	5658.01	9879.06	11134.66		CS
Ce-139							
9/28/2007 10:10:00 AM	-59.27	aCi/M3	224.52	386.18	11134.66		CS
Ce-144							
9/28/2007 10:10:00 AM	269.43	aCi/M3	1347.14	2245.24	11134.66		CS

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	RESULT:	Units	UNCERT: (same units as results)	MDA:	Air Volume M ³	Avg. Abs. Hum.: g/M ³	Lab Sample Type
Co-56							
9/28/2007 10:10:00 AM	206.56	aCi/M3	754.40	1257.33	11134.66		CS
Co-57							
9/28/2007 10:10:00 AM	-224.52	aCi/M3	188.60	314.33	11134.66		CS
Co-58							
9/28/2007 10:10:00 AM	-269.43	aCi/M3	422.11	727.46	11134.66		CS
Co-60							
9/28/2007 10:10:00 AM	48.50	aCi/M3	323.31	547.84	11134.66		CS
Cr-51							
9/28/2007 10:10:00 AM	-2604.48	aCi/M3	6286.67	10777.16	11134.66		CS
Cs-134							
9/28/2007 10:10:00 AM	53.89	aCi/M3	269.43	475.99	11134.66		CS
Cs-137							
9/28/2007 10:10:00 AM	-14.37	aCi/M3	242.49	422.11	11134.66		CS
Eu-152							
9/28/2007 10:10:00 AM	206.56	aCi/M3	1526.76	2694.29	11134.66		CS
Eu-154							
9/28/2007 10:10:00 AM	-350.26	aCi/M3	1526.76	2604.48	11134.66		CS
Eu-155							
9/28/2007 10:10:00 AM	-8.08	aCi/M3	682.55	1167.53	11134.66		CS
Fe-59							
9/28/2007 10:10:00 AM	161.66	aCi/M3	1167.53	2065.62	11134.66		CS
GROSSA							
9/28/2007 10:10:00 AM	3322.96	aCi/M3	547.84	85.32	11134.66		CS
GROSSB							
9/28/2007 10:10:00 AM	17961.93	aCi/M3	2784.10	152.68	11134.66		CS
H-3							
9/28/2007 10:10:00 AM	-0.44	pCi/M3	1.82	3.06		8.270	CS

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	RESULT:	Units	UNCERT: (same units as results)	MDA:	Air Volume M ³	Avg. Abs. Hum.: g/M ³	Lab Sample Type
I-131							
9/28/2007 10:10:00 AM	-8801.34	aCi/M3	21554.31	36821.95	11134.66		CS
K-40							
9/28/2007 10:10:00 AM	3322.96	aCi/M3	7005.15	11675.25	11134.66		CS
Mn-54							
9/28/2007 10:10:00 AM	37.72	aCi/M3	296.37	493.95	11134.66		CS
Na-22							
9/28/2007 10:10:00 AM	-152.68	aCi/M3	332.30	583.76	11134.66		CS
Nb-94							
9/28/2007 10:10:00 AM	-87.12	aCi/M3	260.45	449.05	11134.66		CS
Nb-95							
9/28/2007 10:10:00 AM	-161.66	aCi/M3	404.14	691.53	11134.66		CS
Pa-234M							
9/28/2007 10:10:00 AM	34127.66	aCi/M3	70949.62	116752.53	11134.66		CS
Pb-212							
9/28/2007 10:10:00 AM	-287.39	aCi/M3	808.29	1347.14	11134.66		CS
Pb-214							
9/28/2007 10:10:00 AM	790.32	aCi/M3	511.91	817.27	11134.66		CS
Ru-106							
9/28/2007 10:10:00 AM	-1436.95	aCi/M3	2514.67	4310.86	11134.66		CS
Sb-124							
9/28/2007 10:10:00 AM	-242.49	aCi/M3	493.95	844.21	11134.66		CS
Sb-125							
9/28/2007 10:10:00 AM	-143.70	aCi/M3	592.74	987.91	11134.66		CS
Sc-46							
9/28/2007 10:10:00 AM	161.66	aCi/M3	386.18	646.63	11134.66		CS
Sr-85							
9/28/2007 10:10:00 AM	359.24	aCi/M3	520.90	835.23	11134.66		CS

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	RESULT:	Units	UNCERT: (same units as results)	MDA:	Air Volume M ³	Avg. Abs. Hum.: g/M ³	Lab Sample Type
Th-227							
9/28/2007 10:10:00 AM	-44.90	aCi/M3	1796.19	3053.53	11134.66		CS
Th-234							
9/28/2007 10:10:00 AM	-2604.48	aCi/M3	8262.49	13471.45	11134.66		CS
Tl-208							
9/28/2007 10:10:00 AM	107.77	aCi/M3	583.76	987.91	11134.66		CS
U-235							
9/28/2007 10:10:00 AM	619.69	aCi/M3	2784.10	4580.29	11134.66		CS
Zn-65							
9/28/2007 10:10:00 AM	592.74	aCi/M3	700.52	1167.53	11134.66		CS
KAIR-03 Southwest Base							
Ac-228							
9/28/2007 10:40:00 AM	1300.25	aCi/M3	679.02	1011.30	13843.52		DUP
9/28/2007 10:40:00 AM	1155.78	aCi/M3	794.60	1300.25	13843.52		CS
Ag-110m							
9/28/2007 10:40:00 AM	13.72	aCi/M3	166.14	281.72	13843.52		DUP
9/28/2007 10:40:00 AM	130.02	aCi/M3	216.71	353.96	13843.52		CS
Al-26							
9/28/2007 10:40:00 AM	70.79	aCi/M3	252.83	433.42	13843.52		CS
9/28/2007 10:40:00 AM	-48.40	aCi/M3	195.04	346.73	13843.52		DUP
Am-241							
9/28/2007 10:40:00 AM	-151.70	aCi/M3	440.64	722.36	13843.52		DUP
9/28/2007 10:40:00 AM	144.47	aCi/M3	1011.30	1661.43	13843.52		CS
Be-7							
9/28/2007 10:40:00 AM	108353.91	aCi/M3	14447.19	4550.86	13843.52		CS
9/28/2007 10:40:00 AM	101130.32	aCi/M3	13002.47	3539.56	13843.52		DUP
Bi-212							
9/28/2007 10:40:00 AM	2383.79	aCi/M3	3250.62	5345.46	13843.52		CS
9/28/2007 10:40:00 AM	3756.27	aCi/M3	2528.26	4045.21	13843.52		DUP

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RESULT: Units **UNCERT:** MDA: Air Volume Avg. Abs. Hum.: Lab Sample
(same units as results) M^3 g/M^3 Type

Bi-214

9/28/2007 10:40:00 AM **137.25** aCi/M3 693.47 1155.78 13843.52 DUP
 9/28/2007 10:40:00 AM **-144.47** aCi/M3 1083.54 1878.13 13843.52 CS

Cd-109

9/28/2007 10:40:00 AM **939.07** aCi/M3 1878.13 3178.38 13843.52 DUP
 9/28/2007 10:40:00 AM **1516.95** aCi/M3 7223.59 12280.11 13843.52 CS

Ce-139

9/28/2007 10:40:00 AM **-20.23** aCi/M3 115.58 195.04 13843.52 DUP
 9/28/2007 10:40:00 AM **62.85** aCi/M3 151.70 260.05 13843.52 CS

Ce-144

9/28/2007 10:40:00 AM **-52.01** aCi/M3 657.35 1083.54 13843.52 DUP
 9/28/2007 10:40:00 AM **317.84** aCi/M3 939.07 1516.95 13843.52 CS

Co-56

9/28/2007 10:40:00 AM **115.58** aCi/M3 404.52 686.24 13843.52 DUP
 9/28/2007 10:40:00 AM **-440.64** aCi/M3 498.43 939.07 13843.52 CS

Co-57

9/28/2007 10:40:00 AM **-64.29** aCi/M3 86.68 144.47 13843.52 DUP
 9/28/2007 10:40:00 AM **-4.77** aCi/M3 122.80 209.48 13843.52 CS

Co-58

9/28/2007 10:40:00 AM **-5.49** aCi/M3 260.05 440.64 13843.52 DUP
 9/28/2007 10:40:00 AM **-245.60** aCi/M3 317.84 563.44 13843.52 CS

Co-60

9/28/2007 10:40:00 AM **45.51** aCi/M3 187.81 317.84 13843.52 DUP
 9/28/2007 10:40:00 AM **-66.46** aCi/M3 238.38 411.74 13843.52 CS

Cr-51

9/28/2007 10:40:00 AM **3250.62** aCi/M3 3756.27 6212.29 13843.52 DUP
 9/28/2007 10:40:00 AM **-7223.59** aCi/M3 4767.57 7945.95 13843.52 CS

Cs-134

9/28/2007 10:40:00 AM **0.00** aCi/M3 166.14 281.72 13843.52 DUP
 9/28/2007 10:40:00 AM **-69.35** aCi/M3 209.48 368.40 13843.52 CS

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	RESULT:	Units	UNCERT: (same units as results)	MDA:	Air Volume M ³	Avg. Abs. Hum.: g/M ³	Lab Sample Type
Cs-137							
9/28/2007 10:40:00 AM	-223.93	aCi/M3	195.04	353.96	13843.52		CS
9/28/2007 10:40:00 AM	-108.35	aCi/M3	158.92	281.72	13843.52		DUP
Eu-152							
9/28/2007 10:40:00 AM	252.83	aCi/M3	1083.54	1878.13	13843.52		CS
9/28/2007 10:40:00 AM	223.93	aCi/M3	866.83	1444.72	13843.52		DUP
Eu-154							
9/28/2007 10:40:00 AM	-325.06	aCi/M3	939.07	1661.43	13843.52		DUP
9/28/2007 10:40:00 AM	-671.79	aCi/M3	1155.78	2022.61	13843.52		CS
Eu-155							
9/28/2007 10:40:00 AM	-216.71	aCi/M3	476.76	794.60	13843.52		CS
9/28/2007 10:40:00 AM	180.59	aCi/M3	722.36	1228.01	13843.52		DUP
Fe-59							
9/28/2007 10:40:00 AM	1228.01	aCi/M3	722.36	1155.78	13843.52		DUP
9/28/2007 10:40:00 AM	-101.13	aCi/M3	939.07	1589.19	13843.52		CS
GROSSA							
9/28/2007 10:40:00 AM	3756.27	aCi/M3	614.01	93.91	13843.52		CS
GROSSB							
9/28/2007 10:40:00 AM	17336.63	aCi/M3	2817.20	144.47	13843.52		CS
H-3							
9/28/2007 10:10:00 AM	0.22	pCi/M3	1.82	3.06		8.270	CS
I-131							
9/28/2007 10:40:00 AM	2022.61	aCi/M3	13724.83	23837.86	13843.52		DUP
9/28/2007 10:40:00 AM	7945.95	aCi/M3	16614.27	27449.66	13843.52		CS
K-40							
9/28/2007 10:40:00 AM	1300.25	aCi/M3	4334.16	7151.36	13843.52		DUP
9/28/2007 10:40:00 AM	-866.83	aCi/M3	5778.88	10113.03	13843.52		CS
Mn-54							
9/28/2007 10:40:00 AM	-216.71	aCi/M3	209.48	375.63	13843.52		CS

red font is used for values above detection limit.

**NMED DOE
Oversight Bureau**

	RESULT:	Units	UNCERT: (same units as results)	MDA:	Air Volume M ³	Avg. Abs. Hum.: g/M ³	Lab Sample Type
9/28/2007 10:40:00 AM	-45.51	aCi/M3	166.14	288.94	13843.52		DUP
Na-22							
9/28/2007 10:40:00 AM	7.22	aCi/M3	223.93	382.85	13843.52		CS
9/28/2007 10:40:00 AM	4.98	aCi/M3	173.37	303.39	13843.52		DUP
Nb-94							
9/28/2007 10:40:00 AM	-15.17	aCi/M3	166.14	281.72	13843.52		DUP
9/28/2007 10:40:00 AM	41.17	aCi/M3	216.71	368.40	13843.52		CS
Nb-95							
9/28/2007 10:40:00 AM	-6.00	aCi/M3	339.51	577.89	13843.52		CS
9/28/2007 10:40:00 AM	34.67	aCi/M3	260.05	440.64	13843.52		DUP
Pa-234M							
9/28/2007 10:40:00 AM	13002.47	aCi/M3	63567.63	108353.91	13843.52		CS
9/28/2007 10:40:00 AM	21670.78	aCi/M3	28894.38	47675.72	13843.52		DUP
Pb-212							
9/28/2007 10:40:00 AM	41.17	aCi/M3	469.53	794.60	13843.52		DUP
9/28/2007 10:40:00 AM	144.47	aCi/M3	642.90	1083.54	13843.52		CS
Pb-214							
9/28/2007 10:40:00 AM	-137.25	aCi/M3	866.83	1444.72	13843.52		CS
9/28/2007 10:40:00 AM	650.12	aCi/M3	317.84	491.20	13843.52		DUP
Ru-106							
9/28/2007 10:40:00 AM	-1155.78	aCi/M3	2022.61	3539.56	13843.52		CS
9/28/2007 10:40:00 AM	-1733.66	aCi/M3	1589.19	2744.97	13843.52		DUP
Sb-124							
9/28/2007 10:40:00 AM	397.30	aCi/M3	368.40	592.33	13843.52		CS
9/28/2007 10:40:00 AM	9.39	aCi/M3	288.94	483.98	13843.52		DUP
Sb-125							
9/28/2007 10:40:00 AM	101.13	aCi/M3	491.20	866.83	13843.52		CS
9/28/2007 10:40:00 AM	-108.35	aCi/M3	382.85	700.69	13843.52		DUP
Sc-46							
9/28/2007 10:40:00 AM	353.96	aCi/M3	252.83	404.52	13843.52		DUP

red font is used for values above detection limit.

**NMED DOE
Oversight Bureau**

	RESULT:	Units	UNCERT: (same units as results)	MDA:	Air Volume M ³	Avg. Abs. Hum.: g/M ³	Lab Sample Type
9/28/2007 10:40:00 AM	-101.13	aCi/M3	310.61	541.77	13843.52		CS
Sr-85							
9/28/2007 10:40:00 AM	382.85	aCi/M3	325.06	512.88	13843.52		DUP
9/28/2007 10:40:00 AM	447.86	aCi/M3	418.97	657.35	13843.52		CS
Th-227							
9/28/2007 10:40:00 AM	397.30	aCi/M3	794.60	1300.25	13843.52		DUP
9/28/2007 10:40:00 AM	-1083.54	aCi/M3	939.07	1661.43	13843.52		CS
Th-234							
9/28/2007 10:40:00 AM	-1011.30	aCi/M3	5706.64	9390.67	13843.52		CS
9/28/2007 10:40:00 AM	1805.90	aCi/M3	2528.26	5273.22	13843.52		DUP
Tl-208							
9/28/2007 10:40:00 AM	54.18	aCi/M3	440.64	722.36	13843.52		CS
9/28/2007 10:40:00 AM	31.06	aCi/M3	325.06	541.77	13843.52		DUP
U-235							
9/28/2007 10:40:00 AM	939.07	aCi/M3	866.83	1372.48	13843.52		CS
9/28/2007 10:40:00 AM	642.90	aCi/M3	548.99	1011.30	13843.52		DUP
Zn-65							
9/28/2007 10:40:00 AM	202.26	aCi/M3	556.22	939.07	13843.52		CS
9/28/2007 10:40:00 AM	43.34	aCi/M3	411.74	693.47	13843.52		DUP
KAIR-04 Mixed Waste Landfill							
Ac-228							
9/28/2007 11:20:00 AM	1048.71	aCi/M3	636.72	1348.34	13349.75		CS
Aq-110m							
9/28/2007 11:20:00 AM	-35.21	aCi/M3	209.74	367.05	13349.75		CS
Al-26							
9/28/2007 11:20:00 AM	14.98	aCi/M3	247.20	434.47	13349.75		CS
Am-241							
9/28/2007 11:20:00 AM	337.08	aCi/M3	1048.71	1722.88	13349.75		CS
9/28/2007 11:20:00 AM	337.08	aCi/M3	1048.71	1722.88	13349.75		CS

red font is used for values above detection limit:

**NMED DOE
Oversight Bureau**

RESULT: Units **UNCERT:** **MDA:** **Air Volume** **Avg. Abs. Hum.:** **Lab Sample**
 (same units as results) M³ g/M³ Type

	RESULT:	Units	UNCERT:	MDA:	Air Volume	Avg. Abs. Hum.:	Lab Sample
			(same units as results)		M ³	g/M ³	Type
Be-7							
9/28/2007 11:20:00 AM	119852.44	aCi/M3	15730.63	4719.19	13349.75		CS
Bi-212							
9/28/2007 11:20:00 AM	3221.03	aCi/M3	3071.22	4943.91	13349.75		CS
Bi-214							
9/28/2007 11:20:00 AM	104.87	aCi/M3	1123.62	1872.69	13349.75		CS
Cd-109							
9/28/2007 11:20:00 AM	-2172.33	aCi/M3	7490.78	12734.32	13349.75		CS
Ce-139							
9/28/2007 11:20:00 AM	-112.36	aCi/M3	157.31	277.16	13349.75		CS
Ce-144							
9/28/2007 11:20:00 AM	329.59	aCi/M3	898.89	1498.16	13349.75		CS
Co-56							
9/28/2007 11:20:00 AM	82.40	aCi/M3	524.35	898.89	13349.75		CS
Co-57							
9/28/2007 11:20:00 AM	164.80	aCi/M3	127.34	209.74	13349.75		CS
Co-58							
9/28/2007 11:20:00 AM	34.46	aCi/M3	322.10	546.83	13349.75		CS
Co-60							
9/28/2007 11:20:00 AM	-187.27	aCi/M3	232.21	419.48	13349.75		CS
Cr-51							
9/28/2007 11:20:00 AM	3295.94	aCi/M3	5093.73	8239.86	13349.75		CS
Cs-134							
9/28/2007 11:20:00 AM	-32.96	aCi/M3	209.74	359.56	13349.75		CS
Cs-137							
9/28/2007 11:20:00 AM	58.43	aCi/M3	202.25	337.08	13349.75		CS
Eu-152							
9/28/2007 11:20:00 AM	-37.45	aCi/M3	1123.62	1947.60	13349.75		CS

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**NMED DOE
Oversight Bureau**

RESULT: Units UNCERT: MDA: Air Volume Avg. Abs. Hum.: Lab Sample
(same units as results) M³ g/M³ Type

Eu-154

9/28/2007 11:20:00 AM **-434.47** aCi/M3 1123.62 1947.60 13349.75 CS

Eu-155

9/28/2007 11:20:00 AM **-104.87** aCi/M3 494.39 823.99 13349.75 CS

Fe-59

9/28/2007 11:20:00 AM **-973.80** aCi/M3 973.80 1722.88 13349.75 CS

GROSSA

9/28/2007 11:20:00 AM **3970.11** aCi/M3 659.19 104.87 13349.75 CS

GROSSB

9/28/2007 11:20:00 AM **19476.02** aCi/M3 3071.22 149.82 13349.75 CS

H-3

7/3/2007 10:25:00 AM **0.77** pCi/M3 1.37 2.26 5.950 CS
 7/17/2007 10:40:00 AM **-0.68** pCi/M3 1.94 3.35 8.820 CS
 7/31/2007 10:25:00 AM **-2.50** pCi/M3 2.20 3.80 10.010 CS
 8/15/2007 9:05:00 AM **-0.39** pCi/M3 2.34 4.05 10.650 CS
 8/29/2007 10:50:00 AM **1.65** pCi/M3 1.90 3.06 8.270 CS
 9/11/2007 11:20:00 AM **1.41** pCi/M3 2.16 3.47 9.390 CS
 9/28/2007 11:20:00 AM **0.68** pCi/M3 1.56 2.52 6.800 CS
 9/28/2007 11:20:00 AM **1.09** pCi/M3 1.56 2.52 6.800 DUP

I-131

9/28/2007 11:20:00 AM **-8239.86** aCi/M3 20225.10 34457.58 13349.75 CS

K-40

9/28/2007 11:20:00 AM **-898.89** aCi/M3 6067.53 10487.09 13349.75 CS

Mn-54

9/28/2007 11:20:00 AM **-36.70** aCi/M3 217.23 374.54 13349.75 CS

Na-22

9/28/2007 11:20:00 AM **-119.85** aCi/M3 232.21 411.99 13349.75 CS

Nb-94

9/28/2007 11:20:00 AM **157.31** aCi/M3 224.72 367.05 13349.75 CS

red font is used for values above detection limit.

**NMED DOE
Oversight Bureau**

	RESULT:	Units	UNCERT: (same units as results)	MDA: (same units as results)	Air Volume M ³	Avg. Abs. Hum.: g/M ³	Lab Sample Type
Nb-95							
9/28/2007 11:20:00 AM	-157.31	aCi/M3	359.56	621.73	13349.75		CS
Pa-234M							
9/28/2007 11:20:00 AM	2247.23	aCi/M3	63671.61	104870.89	13349.75		CS
Pb-212							
9/28/2007 11:20:00 AM	179.78	aCi/M3	666.68	1123.62	13349.75		CS
Pb-214							
9/28/2007 11:20:00 AM	-202.25	aCi/M3	898.89	1423.25	13349.75		CS
Pu-238							
9/28/2007 11:20:00 AM	-0.24	aCi/M3	1.65	2.55	13349.75		CS
Pu-239,240							
9/28/2007 11:20:00 AM	2.02	aCi/M3	1.87	1.12	13349.75		CS
Ru-106							
9/28/2007 11:20:00 AM	-2097.42	aCi/M3	2022.51	3595.57	13349.75		CS
Sb-124							
9/28/2007 11:20:00 AM	-277.16	aCi/M3	374.54	651.70	13349.75		CS
Sb-125							
9/28/2007 11:20:00 AM	397.01	aCi/M3	479.41	898.89	13349.75		CS
Sc-46							
9/28/2007 11:20:00 AM	134.83	aCi/M3	314.61	524.35	13349.75		CS
Sr-85							
9/28/2007 11:20:00 AM	546.83	aCi/M3	389.52	591.77	13349.75		CS
Th-227							
9/28/2007 11:20:00 AM	516.86	aCi/M3	1348.34	2247.23	13349.75		CS
Th-234							
9/28/2007 11:20:00 AM	-2172.33	aCi/M3	5917.71	9738.01	13349.75		CS
Tl-208							
9/28/2007 11:20:00 AM	374.54	aCi/M3	479.41	749.08	13349.75		CS

red font is used for values above detection limit.

**NMED DOE
Oversight Bureau**

	RESULT:	Units	UNCERT: (same units as results)	MDA:	Air Volume M ³	Avg. Abs. Hum.: g/M ³	Lab Sample Type
U-234							
9/28/2007 11:20:00 AM	32.96	aCi/M3	8.99	5.69	13349.75		CS
U-235							
9/28/2007 11:20:00 AM	1198.52	aCi/M3	898.89	1348.34	13349.75		CS
9/28/2007 11:20:00 AM	1198.52	aCi/M3	898.89	1348.34	13349.75		CS
U-238							
9/28/2007 11:20:00 AM	35.96	aCi/M3	9.74	4.57	13349.75		CS
Zn-65							
9/28/2007 11:20:00 AM	-119.85	aCi/M3	554.32	973.80	13349.75		CS

Tritium samples are collected Bi-weekly from KAIR-04 (MWL). Tritium Samples from KAIR-01,-02 and -03 are collected for the entire quarter. Airborne Particulate Samples are made from a composite of the particulate filters collected for the entire quarter.