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May 10, 2011

Jeffrey M. Casalina

Environmental Projects Office (EPO)
U.S Department of Energy
National Nuclear Security Administration
Los Alamos Site Office
3747 West Jemez Road MS A316
Los Alamos, NM 87544

Subject: NMED DOE-OB Data Submittal for AIRNET Radionuclide Particulate Results near Los Alamos National Laboratory, Third (3rd) Calendar Quarter 2010

Dear Mr. Casalina:

The accompanying data reports shows isotopic radionuclide results for Plutonium, Americium, Uranium and Gamma Emitters at DOE-OB AIRNET locations in the vicinity of the Los Alamos National Laboratory. Tritium air concentrations are also included in these reports. The samples were obtained using continuously operating air samplers which collected airborne particulates on filters and atmospheric moisture with silica gel. Each of the five (5) stations is co-located with a LANL AIRNET station:

1) Los Alamos Airport
2) McDonalds
3) Royal Crest Trailer Court
4) Well PM-1
5) White Rock Fire Station (former location)

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 bi-weekly and are not composited. Tritium results are representative of the two week period during which each was collected. As specified by the LANL Site Specific Protocol, we will not release the data until after the 30-day comment period in which DOE and LANL staff have the opportunity to review these data. Following this, the results will be transmitted to the RACER database and also be and be made available for public access and put into the NMED file.

During this period, we did not observe any air particulate results outside of long-established trends for the locations. We would appreciate careful review of our submittal and welcome thoughtful comments.

If you have any questions, please call Bill Bartels at (505) 661-2689.

Sincerely,

Stephen Yanicak, Staff Manager/POC

cc: Chris Echohawk, LANL,WES-EDA MS M996
Tom Skibitski, Bureau Chief, DOE OB
Chris Armijo, NMED, DOE OB SNL
Thomas Kesterson, NMED, DOE OB Carlsbad
LANL Office File

New Mexico Environment Department DOE Oversight Bureau, LANL Oversight Office

Calendar Quarter AIRNET Co-Located Sampling Program Analytical Results

Analysis method is shown below the sample date/time. Note that where both Gamma and Alpha Spec. methods were used for the same analyte the Gamma Spec. method has a much greater uncertainty and MDA (minimum detectable activity). At the levels normally found these result values are not comparable. The alpha spec value, when available, should be used as the result (if above the MDA) or best estimate of the result (if below the MDA).

NMED DOE Oversight Bureau Data Release

Third Calendar Quarter 2010

Los Alamos Airport

	RESULT	Units	UNCERT (same units as results)	Detect. Lmt.:	AirVolume or g/M^3	Avg. Abs. Hum.: M^3	Lab Sample Type
Ac-228			Actinium-228				
9/29/2010 9:08:00 AM Gamma Spec.	**5.14E+02**	aCi/m3	1.75E+03	MDA MDL QuantLmt	2.94E+03	10888.18	CS
Ag-110m			Silver-110m				
9/29/2010 9:08:00 AM Gamma Spec.	**1.47E+02**	aCi/m3	3.03E+02	MDA MDL QuantLmt	5.05E+02	10888.18	CS
Al-26			Aluminum-26				
9/29/2010 9:08:00 AM Gamma Spec.	**1.29E+02**	aCi/m3	2.48E+02	MDA MDL QuantLmt	4.13E+02	10888.18	CS
Am-241			Americium-241				
9/29/2010 9:08:00 AM Alpha Spec.	**4.22E+00**	aCi/m3	2.66E+00	MDA MDL QuantLmt	3.12E+00	10888.18	CS
9/29/2010 9:08:00 AM Gamma Spec.	**5.14E+02**	aCi/m3	1.29E+03	MDA MDL QuantLmt	2.20E+03	10888.18	CS
Be-7			Beryllium-7				
9/29/2010 9:08:00 AM Gamma Spec.	**2.30E+05**	aCi/m3	3.12E+04	MDA MDL QuantLmt	1.65E+04	10888.18	CS
Bi-212			Bismuth-212				
9/29/2010 9:08:00 AM Gamma Spec.	**3.67E+03**	aCi/m3	3.31E+03	MDA MDL QuantLmt	5.33E+03	10888.18	CS
Bi-214			Bismuth-214				

red font is used for values above detection limit.

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	RESULT	Units	UNCERT	Detect. Lmt.: (same units as results)		AirVolume or g/M^3	Avg. Abs. Hum.: M^3	Lab Sample Type
9/29/2010 9:08:00 AM Gamma Spec.	**2.76E+02**	aCi/m3	9.18E+02	MDA MDL QuantLmt	1.56E+03		10888.18	CS
Cd-109			Cadmium-109					
9/29/2010 9:08:00 AM Gamma Spec.	**-6.52E+03**	aCi/m3	1.10E+04	MDA MDL QuantLmt	1.84E+04		10888.18	CS
Ce-139			Cerium-139					
9/29/2010 9:08:00 AM Gamma Spec.	**-1.01E+02**	aCi/m3	2.76E+02	MDA MDL QuantLmt	4.59E+02		10888.18	CS
Ce-144			Cerium-144					
9/29/2010 9:08:00 AM Gamma Spec.	**-1.47E+02**	aCi/m3	1.38E+03	MDA MDL QuantLmt	2.20E+03		10888.18	CS
Co-56			Cobalt-56					
9/29/2010 9:08:00 AM Gamma Spec.	**1.93E+03**	aCi/m3	1.38E+03	MDA MDL QuantLmt	2.20E+03		10888.18	CS
Co-57			Cobalt-57					
9/29/2010 9:08:00 AM Gamma Spec.	**-1.19E+00**	aCi/m3	1.84E+02	MDA MDL QuantLmt	3.12E+02		10888.18	CS
Co-58			Cobalt-58					
9/29/2010 9:08:00 AM Gamma Spec.	**-3.40E+02**	aCi/m3	9.00E+02	MDA MDL QuantLmt	1.56E+03		10888.18	CS
Co-60			Cobalt-60					
9/29/2010 9:08:00 AM Gamma Spec.	**6.61E+01**	aCi/m3	2.39E+02	MDA MDL QuantLmt	4.04E+02		10888.18	CS
Cr-51			Chromium-51					
9/29/2010 9:08:00 AM Gamma Spec.	**8.36E+03**	aCi/m3	5.33E+04	MDA MDL QuantLmt	8.91E+04		10888.18	CS
Cs-134			Cesium-134					

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NMED DOE Oversight Bureau Data Release

	RESULT	Units	UNCERT	Detect. Lmt.: (same units as results)		AirVolume or g/M^3	Avg. Abs. Hum.: M^3	Lab Sample Type
9/29/2010 9:08:00 AM Gamma Spec.	**-2.39E+02**	aCi/m3	2.66E+02	MDA MDL QuantLmt	4.59E+02		10888.18	CS
Cs-137			Cesium-137					
9/29/2010 9:08:00 AM Gamma Spec.	**-4.78E+00**	aCi/m3	2.20E+02	MDA MDL QuantLmt	3.86E+02		10888.18	CS
Eu-152			Europium-152					
9/29/2010 9:08:00 AM Gamma Spec.	**-7.16E+01**	aCi/m3	1.10E+03	MDA MDL QuantLmt	1.93E+03		10888.18	CS
Eu-154			Europium-154					
9/29/2010 9:08:00 AM Gamma Spec.	**-8.63E+02**	aCi/m3	1.19E+03	MDA MDL QuantLmt	2.11E+03		10888.18	CS
Eu-155			Europium-155					
9/29/2010 9:08:00 AM Gamma Spec.	**-8.36E+01**	aCi/m3	6.15E+02	MDA MDL QuantLmt	1.01E+03		10888.18	CS
Fe-59			Iron-59					
9/29/2010 9:08:00 AM Gamma Spec.	**1.84E+03**	aCi/m3	3.77E+03	MDA MDL QuantLmt	6.34E+03		10888.18	CS
GROSSA			Gross Alpha					
9/29/2010 9:08:00 AM	**2.30E+03**	aCi/m3	3.86E+02	MDA MDL QuantLmt	5.97E+01		10888.18	CS
GROSSB			Gross Beta					
9/29/2010 9:08:00 AM	**1.56E+04**	aCi/m3	2.57E+03	MDA MDL QuantLmt	1.01E+02		10888.18	CS
H-3			Tritium					
7/6/2010 6:27:00 PM EPA 906.0	**-1.61E-01**	pCi/m3	1.04E+00	MDA MDL QuantLmt	1.76E+00	5.182		CS
7/20/2010 2:55:00 PM EPA 906.0	**3.02E-01**	pCi/m3	1.21E+00	MDA MDL QuantLmt	2.06E+00	6.046		CS

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	RESULT	Units	UNCERT (same units as results)	Detect. Lmt.:	AirVolume or g/M^3	Avg. Abs. Hum.: M^3	Lab Sample Type
8/4/2010 12:17:00 PM EPA 906.0	**1.80E-01**	pCi/m3	1.57E+00	MDA MDL QuantLmt 2.59E+00	7.846		DUP
8/4/2010 12:17:00 PM EPA 906.0	**-2.98E-02**	pCi/m3	1.57E+00	MDA MDL QuantLmt 2.59E+00	7.846		CS
8/17/2010 5:25:00 PM EPA 906.0	**1.57E+00**	pCi/m3	1.37E+00	MDA MDL QuantLmt 2.15E+00	6.522		CS
8/31/2010 5:37:00 PM EPA 906.0	**1.31E+00**	pCi/m3	1.25E+00	MDA MDL QuantLmt 1.97E+00	5.974		CS
9/14/2010 3:15:00 PM EPA 906.0	**6.22E-02**	pCi/m3	8.29E-01	MDA MDL QuantLmt 1.37E+00	4.147		CS
9/29/2010 9:09:00 AM EPA 906.0	**3.02E-01**	pCi/m3	9.43E-01	MDA MDL QuantLmt 1.56E+00	4.715		CS
I-131			Iodine-131				
9/29/2010 9:08:00 AM Gamma Spec.	**2.48E+07**	aCi/m3	4.78E+07	MDA MDL QuantLmt 7.99E+07		10888.18	CS
K-40			Potassium-40				
9/29/2010 9:08:00 AM Gamma Spec.	**-3.03E+02**	aCi/m3	5.97E+03	MDA MDL QuantLmt 1.01E+04		10888.18	CS
Mn-54			Manganese-54				
9/29/2010 9:08:00 AM Gamma Spec.	**-1.65E+02**	aCi/m3	3.03E+02	MDA MDL QuantLmt 5.33E+02		10888.18	CS
Na-22			Sodium-22				
9/29/2010 9:08:00 AM Gamma Spec.	**1.01E+02**	aCi/m3	2.66E+02	MDA MDL QuantLmt 4.41E+02		10888.18	CS
Nb-94			Niobium-94				
9/29/2010 9:08:00 AM Gamma Spec.	**0.00E+00**	aCi/m3	2.20E+02	MDA MDL QuantLmt 3.77E+02		10888.18	CS
Nb-95			Niobium-95				

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NMED DOE Oversight Bureau Data Release

	RESULT	Units	UNCERT (same units as results)	Detect. Lmt.:	AirVolume or g/M^3	Avg. Abs. Hum.: M^3	Lab Sample Type
9/29/2010 9:08:00 AM Gamma Spec.	**-8.63E+02**	aCi/m3	1.01E+03	MDA MDL QuantLmt	1.75E+03	10888.18	CS
Pa-234M			Protactinium-234m				
9/29/2010 9:08:00 AM Gamma Spec.	**-1.75E+04**	aCi/m3	7.53E+04	MDA MDL QuantLmt	1.29E+05	10888.18	CS
Pb-212			Lead-212				
9/29/2010 9:08:00 AM Gamma Spec.	**1.65E+02**	aCi/m3	7.16E+02	MDA MDL QuantLmt	1.19E+03	10888.18	CS
Pb-214			Lead-214				
9/29/2010 9:08:00 AM Gamma Spec.	**-7.53E+02**	aCi/m3	1.01E+03	MDA MDL QuantLmt	1.65E+03	10888.18	CS
Pu-238			Plutonium-238				
9/29/2010 9:08:00 AM Alpha Spec.	**1.47E+00**	aCi/m3	1.56E+00	MDA MDL QuantLmt	2.11E+00	10888.18	CS
Pu-239,240			Plutonium-239/240				
9/29/2010 9:08:00 AM Alpha Spec.	**3.31E+00**	aCi/m3	2.11E+00	MDA MDL QuantLmt	8.91E-01	10888.18	CS
Ru-106			Ruthenium-106				
9/29/2010 9:08:00 AM Gamma Spec.	**1.01E+02**	aCi/m3	2.57E+03	MDA MDL QuantLmt	4.41E+03	10888.18	CS
Sb-124			Antimony-124				
9/29/2010 9:08:00 AM Gamma Spec.	**-1.84E+02**	aCi/m3	1.19E+03	MDA MDL QuantLmt	2.02E+03	10888.18	CS
Sb-125			Antimony-125				
9/29/2010 9:08:00 AM Gamma Spec.	**4.50E+02**	aCi/m3	5.51E+02	MDA MDL QuantLmt	1.01E+03	10888.18	CS
Sc-46			Scandium-46				

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	RESULT	Units	UNCERT (same units as results)	Detect. Lmt.:	AirVolume or g/M^3	Avg. Abs. Hum.: M^3	Lab Sample Type
9/29/2010 9:08:00 AM Gamma Spec.	**3.95E+02**	aCi/m3	6.80E+02	MDA MDL QuantLmt	1.10E+03	10888.18	CS
Sr-85			Strontium-85				
9/29/2010 9:08:00 AM Gamma Spec.	**1.47E+03**	aCi/m3	1.29E+03	MDA MDL QuantLmt	2.02E+03	10888.18	CS
Th-227			Thorium-227				
9/29/2010 9:08:00 AM Gamma Spec.	**-3.86E+02**	aCi/m3	1.10E+03	MDA MDL QuantLmt	1.93E+03	10888.18	CS
Th-234			Thorium-234				
9/29/2010 9:08:00 AM Gamma Spec.	**2.02E+03**	aCi/m3	2.02E+03	MDA MDL QuantLmt	3.31E+03	10888.18	CS
Tl-208			Thallium-208				
9/29/2010 9:08:00 AM Gamma Spec.	**2.30E+02**	aCi/m3	2.66E+02	MDA MDL QuantLmt	4.50E+02	10888.18	CS
U-234			Uranium-234				
9/29/2010 9:08:00 AM Alpha Spec.	**1.65E+01**	aCi/m3	5.33E+00	MDA MDL QuantLmt	2.48E+00	10888.18	CS
U-235			Uranium-235				
9/29/2010 9:08:00 AM Gamma Spec.	**-2.66E+02**	aCi/m3	2.30E+03	MDA MDL QuantLmt	3.86E+03	10888.18	CS
9/29/2010 9:08:00 AM Alpha Spec.	**2.30E+00**	aCi/m3	1.93E+00	MDA MDL QuantLmt	1.01E+00	10888.18	CS
U-238			Uranium-238				
9/29/2010 9:08:00 AM Alpha Spec.	**1.10E+01**	aCi/m3	4.22E+00	MDA MDL QuantLmt	2.02E+00	10888.18	CS
Zn-65			Zinc-65				
9/29/2010 9:08:00 AM Gamma Spec.	**0.00E+00**	aCi/m3	6.70E+02	MDA MDL QuantLmt	1.19E+03	10888.18	CS

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	RESULT	Units	UNCERT (same units as results)	Detect. Lmt.:	AirVolume or g/M^3	Avg. Abs. Hum.: M^3	Lab Sample Type
Ac-228			Actinium-228				
9/29/2010 8:48:00 AM Gamma Spec.	**1.05E+03**	aCi/m3	9.63E+02	MDA MDL QuantLmt	1.58E+03	11427.44	CS
9/29/2010 8:48:00 AM Gamma Spec.	**4.46E+02**	aCi/m3	1.75E+03	MDA MDL QuantLmt	2.89E+03	11427.44	DUP
Ag-110m			Silver-110m				
9/29/2010 8:48:00 AM Gamma Spec.	**2.45E+02**	aCi/m3	3.41E+02	MDA MDL QuantLmt	5.60E+02	11427.44	DUP
9/29/2010 8:48:00 AM Gamma Spec.	**1.66E+02**	aCi/m3	3.50E+02	MDA MDL QuantLmt	5.86E+02	11427.44	CS
Al-26			Aluminum-26				
9/29/2010 8:48:00 AM Gamma Spec.	**-9.63E+01**	aCi/m3	3.50E+02	MDA MDL QuantLmt	6.21E+02	11427.44	CS
9/29/2010 8:48:00 AM Gamma Spec.	**-1.31E+02**	aCi/m3	3.15E+02	MDA MDL QuantLmt	5.51E+02	11427.44	DUP
Am-241			Americium-241				
9/29/2010 8:48:00 AM Gamma Spec.	**-2.36E+03**	aCi/m3	2.10E+03	MDA MDL QuantLmt	3.59E+03	11427.44	DUP
9/29/2010 8:48:00 AM Gamma Spec.	**-2.63E+02**	aCi/m3	1.14E+03	MDA MDL QuantLmt	1.93E+03	11427.44	CS
9/29/2010 8:48:00 AM Alpha Spec.	**3.06E+00**	aCi/m3	2.19E+00	MDA MDL QuantLmt	2.10E+00	11427.44	CS
Be-7			Beryllium-7				
9/29/2010 8:48:00 AM Gamma Spec.	**1.84E+05**	aCi/m3	2.63E+04	MDA MDL QuantLmt	1.75E+04	11427.44	CS
9/29/2010 8:48:00 AM Gamma Spec.	**1.84E+05**	aCi/m3	2.63E+04	MDA MDL QuantLmt	1.58E+04	11427.44	DUP
Bi-212			Bismuth-212				

red font is used for values above detection limit.

	RESULT	Units	UNCERT (same units as results)	Detect. Lmt.:	AirVolume or g/M^3	Avg. Abs. Hum.: M^3	Lab Sample Type
9/29/2010 8:48:00 AM Gamma Spec.	**5.86E+03**	aCi/m3	4.29E+03	MDA MDL QuantLmt	6.74E+03	11427.44	DUP
9/29/2010 8:48:00 AM Gamma Spec.	**3.59E+03**	aCi/m3	3.33E+03	MDA MDL QuantLmt	5.34E+03	11427.44	CS
Bi-214			Bismuth-214				
9/29/2010 8:48:00 AM Gamma Spec.	**-6.30E+02**	aCi/m3	1.49E+03	MDA MDL QuantLmt	2.45E+03	11427.44	CS
9/29/2010 8:48:00 AM Gamma Spec.	**-3.76E+02**	aCi/m3	1.49E+03	MDA MDL QuantLmt	2.45E+03	11427.44	DUP
Cd-109			Cadmium-109				
9/29/2010 8:48:00 AM Gamma Spec.	**6.39E+03**	aCi/m3	6.39E+03	MDA MDL QuantLmt	1.05E+04	11427.44	CS
9/29/2010 8:48:00 AM Gamma Spec.	**-5.51E+03**	aCi/m3	6.83E+03	MDA MDL QuantLmt	1.14E+04	11427.44	DUP
Ce-139			Cerium-139				
9/29/2010 8:48:00 AM Gamma Spec.	**-5.16E+01**	aCi/m3	2.71E+02	MDA MDL QuantLmt	4.55E+02	11427.44	CS
9/29/2010 8:48:00 AM Gamma Spec.	**-1.93E+02**	aCi/m3	3.24E+02	MDA MDL QuantLmt	5.51E+02	11427.44	DUP
Ce-144			Cerium-144				
9/29/2010 8:48:00 AM Gamma Spec.	**-1.58E+02**	aCi/m3	1.66E+03	MDA MDL QuantLmt	2.80E+03	11427.44	DUP
9/29/2010 8:48:00 AM Gamma Spec.	**3.24E+02**	aCi/m3	1.31E+03	MDA MDL QuantLmt	2.28E+03	11427.44	CS
Co-56			Cobalt-56				
9/29/2010 8:48:00 AM Gamma Spec.	**6.74E+02**	aCi/m3	1.31E+03	MDA MDL QuantLmt	2.19E+03	11427.44	DUP
9/29/2010 8:48:00 AM Gamma Spec.	**1.84E+03**	aCi/m3	1.31E+03	MDA MDL QuantLmt	2.01E+03	11427.44	CS

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	RESULT	Units	UNCERT (same units as results)	Detect. Lmt.:	AirVolume or g/M^3	Avg. Abs. Hum.: M^3	Lab Sample Type
Co-57			Cobalt-57				
9/29/2010 8:48:00 AM Gamma Spec.	**3.50E+01**	aCi/m3	1.84E+02	MDA MDL QuantLmt	3.06E+02	11427.44	CS
9/29/2010 8:48:00 AM Gamma Spec.	**-9.63E+01**	aCi/m3	2.28E+02	MDA MDL QuantLmt	3.85E+02	11427.44	DUP
Co-58			Cobalt-58				
9/29/2010 8:48:00 AM Gamma Spec.	**-4.81E+02**	aCi/m3	9.63E+02	MDA MDL QuantLmt	1.66E+03	11427.44	CS
9/29/2010 8:48:00 AM Gamma Spec.	**6.04E+01**	aCi/m3	7.79E+02	MDA MDL QuantLmt	1.31E+03	11427.44	DUP
Co-60			Cobalt-60				
9/29/2010 8:48:00 AM Gamma Spec.	**8.75E+00**	aCi/m3	2.63E+02	MDA MDL QuantLmt	4.55E+02	11427.44	DUP
9/29/2010 8:48:00 AM Gamma Spec.	**1.23E+02**	aCi/m3	2.98E+02	MDA MDL QuantLmt	4.99E+02	11427.44	CS
Cr-51			Chromium-51				
9/29/2010 8:48:00 AM Gamma Spec.	**-1.58E+04**	aCi/m3	4.55E+04	MDA MDL QuantLmt	7.70E+04	11427.44	CS
9/29/2010 8:48:00 AM Gamma Spec.	**3.68E+03**	aCi/m3	4.90E+04	MDA MDL QuantLmt	8.23E+04	11427.44	DUP
Cs-134			Cesium-134				
9/29/2010 8:48:00 AM Gamma Spec.	**-2.19E+02**	aCi/m3	3.85E+02	MDA MDL QuantLmt	6.56E+02	11427.44	DUP
9/29/2010 8:48:00 AM Gamma Spec.	**2.10E+02**	aCi/m3	2.80E+02	MDA MDL QuantLmt	4.55E+02	11427.44	CS
Cs-137			Cesium-137				
9/29/2010 8:48:00 AM Gamma Spec.	**-9.63E+01**	aCi/m3	2.80E+02	MDA MDL QuantLmt	4.81E+02	11427.44	CS

red font is used for values above detection limit

NMED DOE Oversight Bureau Data Release

	RESULT	Units	UNCERT (same units as results)	Detect. Lmt.:	AirVolume or g/M^3	Avg. Abs. Hum.: M^3	Lab Sample Type
9/29/2010 8:48:00 AM Gamma Spec.	**-1.31E+02**	aCi/m3	2.63E+02	MDA MDL QuantLmt	4.55E+02	11427.44	DUP
Eu-152			Europium-152				
9/29/2010 8:48:00 AM Gamma Spec.	**-1.23E+03**	aCi/m3	1.40E+03	MDA MDL QuantLmt	2.54E+03	11427.44	CS
9/29/2010 8:48:00 AM Gamma Spec.	**-3.33E+02**	aCi/m3	1.23E+03	MDA MDL QuantLmt	2.19E+03	11427.44	DUP
Eu-154			Europium-154				
9/29/2010 8:48:00 AM Gamma Spec.	**-1.66E+02**	aCi/m3	1.40E+03	MDA MDL QuantLmt	2.36E+03	11427.44	DUP
9/29/2010 8:48:00 AM Gamma Spec.	**-1.40E+03**	aCi/m3	1.58E+03	MDA MDL QuantLmt	2.80E+03	11427.44	CS
Eu-155			Europium-155				
9/29/2010 8:48:00 AM Gamma Spec.	**4.99E+01**	aCi/m3	7.88E+02	MDA MDL QuantLmt	1.31E+03	11427.44	DUP
9/29/2010 8:48:00 AM Gamma Spec.	**1.05E+02**	aCi/m3	5.95E+02	MDA MDL QuantLmt	9.63E+02	11427.44	CS
Fe-59			Iron-59				
9/29/2010 8:48:00 AM Gamma Spec.	**4.38E+03**	aCi/m3	3.76E+03	MDA MDL QuantLmt	5.95E+03	11427.44	CS
9/29/2010 8:48:00 AM Gamma Spec.	**-1.49E+03**	aCi/m3	3.41E+03	MDA MDL QuantLmt	5.95E+03	11427.44	DUP
GROSSA			Gross Alpha				
9/29/2010 8:48:00 AM	**2.54E+03**	aCi/m3	4.20E+02	MDA MDL QuantLmt	5.16E+01	11427.44	CS
GROSSB			Gross Beta				
9/29/2010 8:48:00 AM	**1.75E+04**	aCi/m3	2.80E+03	MDA MDL QuantLmt	1.05E+02	11427.44	CS
H-3			Tritium				

red font is used for values above detection limit

NMED DOE Oversight Bureau Data Release

	RESULT	Units	UNCERT (same units as results)	Detect. Lmt.:		AirVolume or g/M^3	Avg. Abs. Hum.: M^3	Lab Sample Type
7/6/2010 5:19:00 PM EPA 906.0	**1.25E+00**	pCi/m3	1.30E+00	MDA MDL QuantLmt	2.14E+00	5.210		CS
7/20/2010 3:23:00 PM EPA 906.0	**4.45E-01**	pCi/m3	1.56E+00	MDA MDL QuantLmt	2.58E+00	6.010		CS
8/4/2010 11:59:00 AM EPA 906.0	**9.41E-02**	pCi/m3	1.96E+00	MDA MDL QuantLmt	3.22E+00	7.844		CS
8/4/2010 11:59:00 AM EPA 906.0	**2.12E-02**	pCi/m3	1.88E+00	MDA MDL QuantLmt	3.14E+00	7.844		DUP
8/17/2010 5:13:00 PM EPA 906.0	**1.22E+00**	pCi/m3	1.70E+00	MDA MDL QuantLmt	2.85E+00	6.795		CS
8/31/2010 4:25:00 PM EPA 906.0	**2.01E-01**	pCi/m3	1.46E+00	MDA MDL QuantLmt	2.50E+00	6.091		CS
9/14/2010 3:29:00 PM EPA 906.0	**1.57E-01**	pCi/m3	1.02E+00	MDA MDL QuantLmt	1.70E+00	4.252		CS
9/29/2010 8:47:00 AM EPA 906.0	**1.96E-01**	pCi/m3	9.54E-01	MDA MDL QuantLmt	1.57E+00	4.771		CS
I-131			Iodine-131					
9/29/2010 8:48:00 AM Gamma Spec.	**-1.40E+07**	aCi/m3	1.66E+07	MDA MDL QuantLmt	2.89E+07		11427.44	CS
9/29/2010 8:48:00 AM Gamma Spec.	**-8.75E+06**	aCi/m3	1.93E+07	MDA MDL QuantLmt	3.24E+07		11427.44	DUP
K-40			Potassium-40					
9/29/2010 8:48:00 AM Gamma Spec.	**-2.54E+03**	aCi/m3	7.79E+03	MDA MDL QuantLmt	1.31E+04		11427.44	CS
9/29/2010 8:48:00 AM Gamma Spec.	**1.23E+03**	aCi/m3	6.91E+03	MDA MDL QuantLmt	1.14E+04		11427.44	DUP
Mn-54			Manganese-54					
9/29/2010 8:48:00 AM Gamma Spec.	**-3.41E+02**	aCi/m3	4.46E+02	MDA MDL QuantLmt	7.79E+02		11427.44	DUP

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NMED DOE Oversight Bureau Data Release

	RESULT	Units	UNCERT (same units as results)	Detect. Lmt.:	AirVolume or g/M^3	Avg. Abs. Hum.: M^3	Lab Sample Type
9/29/2010 8:48:00 AM Gamma Spec.	**-2.01E+02**	aCi/m3	3.41E+02	MDA MDL QuantLmt	6.04E+02	11427.44	CS
Na-22			Sodium-22				
9/29/2010 8:48:00 AM Gamma Spec.	**3.06E+01**	aCi/m3	2.89E+02	MDA MDL QuantLmt	4.99E+02	11427.44	DUP
9/29/2010 8:48:00 AM Gamma Spec.	**5.60E+01**	aCi/m3	2.98E+02	MDA MDL QuantLmt	5.16E+02	11427.44	CS
Nb-94			Niobium-94				
9/29/2010 8:48:00 AM Gamma Spec.	**-4.73E+01**	aCi/m3	2.71E+02	MDA MDL QuantLmt	4.64E+02	11427.44	DUP
9/29/2010 8:48:00 AM Gamma Spec.	**1.49E+02**	aCi/m3	2.71E+02	MDA MDL QuantLmt	4.46E+02	11427.44	CS
Nb-95			Niobium-95				
9/29/2010 8:48:00 AM Gamma Spec.	**-5.16E+02**	aCi/m3	9.63E+02	MDA MDL QuantLmt	1.66E+03	11427.44	DUP
9/29/2010 8:48:00 AM Gamma Spec.	**3.15E+02**	aCi/m3	8.75E+02	MDA MDL QuantLmt	1.49E+03	11427.44	CS
Pa-234M			Protactinium-234m				
9/29/2010 8:48:00 AM Gamma Spec.	**5.86E+04**	aCi/m3	4.64E+04	MDA MDL QuantLmt	7.26E+04	11427.44	CS
9/29/2010 8:48:00 AM Gamma Spec.	**3.50E+04**	aCi/m3	4.29E+04	MDA MDL QuantLmt	7.00E+04	11427.44	DUP
Pb-212			Lead-212				
9/29/2010 8:48:00 AM Gamma Spec.	**2.63E+02**	aCi/m3	6.39E+02	MDA MDL QuantLmt	1.05E+03	11427.44	CS
9/29/2010 8:48:00 AM Gamma Spec.	**2.01E+02**	aCi/m3	7.79E+02	MDA MDL QuantLmt	1.31E+03	11427.44	DUP
Pb-214			Lead-214				

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	RESULT	Units	UNCERT	Detect. Lmt.: (same units as results)		AirVolume or g/M^3	Avg. Abs. Hum.: M^3	Lab Sample Type
9/29/2010 8:48:00 AM Gamma Spec.	**-6.04E+02**	aCi/m3	1.23E+03	MDA MDL QuantLmt	2.01E+03		11427.44	DUP
9/29/2010 8:48:00 AM Gamma Spec.	**-5.43E+02**	aCi/m3	1.05E+03	MDA MDL QuantLmt	1.75E+03		11427.44	CS
Pu-238			Plutonium-238					
9/29/2010 8:48:00 AM Alpha Spec.	**1.05E+00**	aCi/m3	1.40E+00	MDA MDL QuantLmt	2.10E+00		11427.44	CS
Pu-239,240			Plutonium-239/240					
9/29/2010 8:48:00 AM Alpha Spec.	**1.93E+00**	aCi/m3	2.01E+00	MDA MDL QuantLmt	3.15E+00		11427.44	CS
Ru-106			Ruthenium-106					
9/29/2010 8:48:00 AM Gamma Spec.	**-8.75E+02**	aCi/m3	3.06E+03	MDA MDL QuantLmt	5.16E+03		11427.44	CS
9/29/2010 8:48:00 AM Gamma Spec.	**-2.19E+03**	aCi/m3	2.89E+03	MDA MDL QuantLmt	4.99E+03		11427.44	DUP
Sb-124			Antimony-124					
9/29/2010 8:48:00 AM Gamma Spec.	**1.49E+03**	aCi/m3	1.05E+03	MDA MDL QuantLmt	1.66E+03		11427.44	DUP
9/29/2010 8:48:00 AM Gamma Spec.	**-4.90E+02**	aCi/m3	1.14E+03	MDA MDL QuantLmt	1.93E+03		11427.44	CS
Sb-125			Antimony-125					
9/29/2010 8:48:00 AM Gamma Spec.	**-4.11E+02**	aCi/m3	6.56E+02	MDA MDL QuantLmt	1.14E+03		11427.44	DUP
9/29/2010 8:48:00 AM Gamma Spec.	**5.25E+02**	aCi/m3	6.04E+02	MDA MDL QuantLmt	1.05E+03		11427.44	CS
Sc-46			Scandium-46					
9/29/2010 8:48:00 AM Gamma Spec.	**1.05E+02**	aCi/m3	7.00E+02	MDA MDL QuantLmt	1.23E+03		11427.44	DUP

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	RESULT	Units	UNCERT (same units as results)	Detect. Lmt.:	AirVolume or g/M^3	Avg. Abs. Hum.: M^3	Lab Sample Type
9/29/2010 8:48:00 AM Gamma Spec.	**-2.19E+02**	aCi/m3	7.18E+02	MDA MDL QuantLmt	1.23E+03	11427.44	CS
Sr-85			Strontium-85				
9/29/2010 8:48:00 AM Gamma Spec.	**8.40E+02**	aCi/m3	1.14E+03	MDA MDL QuantLmt	1.84E+03	11427.44	DUP
9/29/2010 8:48:00 AM Gamma Spec.	**7.18E+02**	aCi/m3	1.14E+03	MDA MDL QuantLmt	1.93E+03	11427.44	CS
Th-227			Thorium-227				
9/29/2010 8:48:00 AM Gamma Spec.	**3.68E+02**	aCi/m3	1.23E+03	MDA MDL QuantLmt	2.01E+03	11427.44	CS
9/29/2010 8:48:00 AM Gamma Spec.	**-8.75E+01**	aCi/m3	1.84E+03	MDA MDL QuantLmt	2.98E+03	11427.44	DUP
Th-234			Thorium-234				
9/29/2010 8:48:00 AM Gamma Spec.	**-9.63E+02**	aCi/m3	8.31E+03	MDA MDL QuantLmt	1.40E+04	11427.44	DUP
9/29/2010 8:48:00 AM Gamma Spec.	**2.01E+03**	aCi/m3	7.96E+03	MDA MDL QuantLmt	1.31E+04	11427.44	CS
Tl-208			Thallium-208				
9/29/2010 8:48:00 AM Gamma Spec.	**5.43E+02**	aCi/m3	3.06E+02	MDA MDL QuantLmt	4.73E+02	11427.44	CS
9/29/2010 8:48:00 AM Gamma Spec.	**-4.11E+01**	aCi/m3	6.04E+02	MDA MDL QuantLmt	1.05E+03	11427.44	DUP
U-234			Uranium-234				
9/29/2010 8:48:00 AM Alpha Spec.	**1.23E+01**	aCi/m3	4.73E+00	MDA MDL QuantLmt	3.85E+00	11427.44	CS
U-235			Uranium-235				
9/29/2010 8:48:00 AM Gamma Spec.	**-2.71E+00**	aCi/m3	2.80E+03	MDA MDL QuantLmt	4.64E+03	11427.44	DUP

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	RESULT	Units	UNCERT	Detect. Lmt.: (same units as results)		AirVolume or g/M^3	Avg. Abs. Hum.: M^3	Lab Sample Type
9/29/2010 8:48:00 AM Alpha Spec.	**4.46E-01**	aCi/m3	1.49E+00	MDA MDL QuantLmt	3.33E+00		11427.44	CS
9/29/2010 8:48:00 AM Gamma Spec.	**2.10E+03**	aCi/m3	8.75E+02	MDA MDL QuantLmt	1.66E+03		11427.44	CS
U-238		Uranium-238						
9/29/2010 8:48:00 AM Alpha Spec.	**1.05E+01**	aCi/m3	4.20E+00	MDA MDL QuantLmt	3.15E+00		11427.44	CS
Zn-65		Zinc-65						
9/29/2010 8:48:00 AM Gamma Spec.	**-4.81E+02**	aCi/m3	8.49E+02	MDA MDL QuantLmt	1.49E+03		11427.44	CS
9/29/2010 8:48:00 AM Gamma Spec.	**1.14E+02**	aCi/m3	8.05E+02	MDA MDL QuantLmt	1.40E+03		11427.44	DUP
Royal Crest Trailer Court								
Am-241		Americium-241						
9/29/2010 10:02:00 AM Alpha Spec.	**2.00E+00**	aCi/m3	1.52E+00	MDA MDL QuantLmt	7.76E-01		12503.45	CS
H-3		Tritium						
7/6/2010 5:39:00 PM EPA 906.0	**6.30E-01**	pCi/m3	1.26E+00	MDA MDL QuantLmt	2.10E+00	5.250		CS
7/20/2010 4:23:00 PM EPA 906.0	**1.14E+00**	pCi/m3	1.44E+00	MDA MDL QuantLmt	2.39E+00	5.980		CS
8/4/2010 1:07:00 PM EPA 906.0	**3.85E-01**	pCi/m3	2.04E+00	MDA MDL QuantLmt	3.38E+00	7.858		CS
8/17/2010 4:53:00 PM EPA 906.0	**-4.05E-01**	pCi/m3	1.72E+00	MDA MDL QuantLmt	2.85E+00	6.634		CS
8/31/2010 4:43:00 PM EPA 906.0	**-3.28E-01**	pCi/m3	1.58E+00	MDA MDL QuantLmt	2.61E+00	6.066		CS
9/14/2010 2:15:00 PM EPA 906.0	**-9.99E-03**	pCi/m3	9.99E-01	MDA MDL QuantLmt	1.67E+00	4.163		CS

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NMED DOE Oversight Bureau Data Release

	RESULT	Units	UNCERT (same units as results)	Detect. Lmt.:	AirVolume or g/M^3	Avg. Abs. Hum.: M^3	Lab Sample Type
9/29/2010 10:03:00 AM EPA 906.0	**5.57E-01**	pCi/m3	1.11E+00	MDA MDL QuantLmt 1.86E+00	4.638		CS
Pu-238			Plutonium-238				
9/29/2010 10:02:00 AM Alpha Spec.	**2.24E+00**	aCi/m3	1.84E+00	MDA MDL QuantLmt 2.24E+00		12503.45	CS
Pu-239,240			Plutonium-239/240				
9/29/2010 10:02:00 AM Alpha Spec.	**4.24E+01**	aCi/m3	9.60E+00	MDA MDL QuantLmt 7.76E-01		12503.45	CS
U-234			Uranium-234				
9/29/2010 10:02:00 AM Alpha Spec.	**1.20E+01**	aCi/m3	4.24E+00	MDA MDL QuantLmt 2.80E+00		12503.45	CS
U-235			Uranium-235				
9/29/2010 10:02:00 AM Alpha Spec.	**8.00E-01**	aCi/m3	1.36E+00	MDA MDL QuantLmt 2.08E+00		12503.45	CS
U-238			Uranium-238				
9/29/2010 10:02:00 AM Alpha Spec.	**1.04E+01**	aCi/m3	3.92E+00	MDA MDL QuantLmt 2.80E+00		12503.45	CS
Well PM-1							
Am-241			Americium-241				
9/29/2010 9:26:00 AM Alpha Spec.	**2.49E+00**	aCi/m3	1.82E+00	MDA MDL QuantLmt 1.91E+00		12062.48	CS
H-3			Tritium				
7/6/2010 6:13:00 PM EPA 906.0	**8.62E-01**	pCi/m3	1.15E+00	MDA MDL QuantLmt 1.95E+00	5.749		CS
7/20/2010 2:33:00 PM EPA 906.0	**-8.14E-01**	pCi/m3	1.36E+00	MDA MDL QuantLmt 2.30E+00	6.779		CS
8/4/2010 3:31:00 PM EPA 906.0	**6.75E-02**	pCi/m3	1.78E+00	MDA MDL QuantLmt 2.93E+00	8.881		CS

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NMED DOE Oversight Bureau Data Release

	RESULT	Units	UNCERT	Detect. Lmt.: (same units as results)		AirVolume or g/M^3	Avg. Abs. Hum.: M^3	Lab Sample Type
8/4/2010 3:31:00 PM EPA 906.0	**6.75E-01**	pCi/m3	1.78E+00	MDA MDL QuantLmt	2.93E+00	8.881		DUP
8/17/2010 1:55:00 PM EPA 906.0	**-3.35E-01**	pCi/m3	1.46E+00	MDA MDL QuantLmt	2.40E+00	7.280		CS
9/14/2010 2:55:00 PM EPA 906.0	**4.14E-01**	pCi/m3	8.81E-01	MDA MDL QuantLmt	1.45E+00	4.406		CS
9/29/2010 9:27:00 AM EPA 906.0	**5.02E-01**	pCi/m3	1.02E+00	MDA MDL QuantLmt	1.69E+00	5.121		CS
Pu-238			Plutonium-238					
9/29/2010 9:26:00 AM Alpha Spec.	**2.24E+00**	aCi/m3	2.24E+00	MDA MDL QuantLmt	3.32E+00		12062.48	CS
Pu-239,240			Plutonium-239/240					
9/29/2010 9:26:00 AM Alpha Spec.	**1.16E+00**	aCi/m3	1.41E+00	MDA MDL QuantLmt	2.16E+00		12062.48	CS
U-234			Uranium-234					
9/29/2010 9:26:00 AM Alpha Spec.	**1.33E+01**	aCi/m3	4.48E+00	MDA MDL QuantLmt	2.24E+00		12062.48	CS
U-235			Uranium-235					
9/29/2010 9:26:00 AM Alpha Spec.	**8.21E-01**	aCi/m3	1.41E+00	MDA MDL QuantLmt	2.16E+00		12062.48	CS
U-238			Uranium-238					
9/29/2010 9:26:00 AM Alpha Spec.	**9.95E+00**	aCi/m3	3.90E+00	MDA MDL QuantLmt	2.57E+00		12062.48	CS
White Rock Fire Station								
Am-241			Americium-241					
9/29/2010 9:42:00 AM Alpha Spec.	**1.87E+00**	aCi/m3	2.41E+00	MDA MDL QuantLmt	4.01E+00		11220.35	CS
H-3			Tritium					

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	RESULT	Units	UNCERT (same units as results)	Detect. Lmt.:		AirVolume or g/M^3	Avg. Abs. Hum.: M^3	Lab Sample Type
7/6/2010 6:01:00 PM EPA 906.0	**8.05E-01**	pCi/m3	1.38E+00	MDA MDL QuantLmt	2.30E+00	5.749		CS
7/20/2010 2:13:00 PM EPA 906.0	**1.42E+00**	pCi/m3	1.83E+00	MDA MDL QuantLmt	2.92E+00	6.779		CS
8/4/2010 1:33:00 PM EPA 906.0	**1.78E+00**	pCi/m3	2.22E+00	MDA MDL QuantLmt	3.55E+00	8.881		DUP
8/4/2010 1:33:00 PM EPA 906.0	**4.62E-01**	pCi/m3	2.13E+00	MDA MDL QuantLmt	3.55E+00	8.881		CS
8/17/2010 1:43:00 PM EPA 906.0	**9.46E-01**	pCi/m3	1.75E+00	MDA MDL QuantLmt	2.91E+00	7.280		CS
8/31/2010 5:03:00 PM EPA 906.0	**1.40E+00**	pCi/m3	1.67E+00	MDA MDL QuantLmt	2.73E+00	6.670		CS
9/14/2010 2:43:00 PM EPA 906.0	**1.78E+00**	pCi/m3	1.14E+00	MDA MDL QuantLmt	1.83E+00	4.576		CS
9/29/2010 9:43:00 AM EPA 906.0	**3.77E+00**	pCi/m3	1.45E+00	MDA MDL QuantLmt	2.21E+00	5.385		CS
Pu-238			Plutonium-238					
9/29/2010 9:42:00 AM Alpha Spec.	**1.16E+00**	aCi/m3	1.43E+00	MDA MDL QuantLmt	2.14E+00		11220.35	CS
Pu-239,240			Plutonium-239/240					
9/29/2010 9:42:00 AM Alpha Spec.	**1.52E+00**	aCi/m3	1.60E+00	MDA MDL QuantLmt	2.14E+00		11220.35	CS
U-234			Uranium-234					
9/29/2010 9:42:00 AM Alpha Spec.	**1.52E+01**	aCi/m3	5.79E+00	MDA MDL QuantLmt	3.92E+00		11220.35	CS
U-235			Uranium-235					
9/29/2010 9:42:00 AM Alpha Spec.	**-1.07E-01**	aCi/m3	2.05E+00	MDA MDL QuantLmt	4.01E+00		11220.35	CS
U-238			Uranium-238					

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	RESULT	Units	UNCERT (same units as results)		Detect. Lmt.:	AirVolume or g/M^3	Avg. Abs. Hum.: M^3	Lab Sample Type
9/29/2010 9:42:00 AM	**1.16E+01**	aCi/m3	4.99E+00	MDA	3.39E+00		11220.35	CS
Alpha Spec.				MDL				
				QuantLmt				

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