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February 20, 2008

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

**RE: 2007 NMED/DOE-Oversight Bureau Data Submittal Results from Technical Area-V
Groundwater Monitoring at Sandia National Laboratories**

Dear Dr. Dye

The DOE Oversight Bureau, Sandia Oversight Section (DOE-OB/SOS) of the New Mexico Environment Department has compiled the Bureau's groundwater data from FFY 2007. Between November 2006 and September 2007, the DOE-OB/SOS split groundwater samples with Sandia National Laboratories, New Mexico (SNL/NM) at Technical Area-V (TA-V) monitoring wells: TAV-MW1, -MW2, -MW3, -MW4, -MW5, -MW6, -MW7, -MW8, -MW9, LWDS-MW1 and -MW2. The DOE-OB/SOS samples were submitted to Pinnacle Laboratories for organics, radiological, metals and general chemistry analyses.

Data Assessment

NMED/DOE-OB data results are compared to applicable Maximum Allowable Concentrations (MAC) from the New Mexico Water Quality Control Commission (WQCC) (20.6.2.3103A NMAC Human Health Standards) and Maximum Contaminant Levels (MCL) from the EPA National Primary Drinking Water Regulations (40 CFR 141).

Table-1 compares Target Analyte List (TAL) metals results to applicable MACs and MCLs. Samples were analyzed for total and dissolved TAL metals plus uranium and isotopic uranium. Uranium-235 and -238 were determined as mass concentrations during metals analysis on the inductively-coupled plasma mass spectrometer (ICP-MS) using method SW846 6020. The groundwater standards for metals analyses of the WQCC are based on dissolved concentrations. Column 3 in Table-1 indicates if the sample was taken as a total (Unfiltered-UF) or as a dissolved (Filtered-F). No metal concentrations were detected above established MACs or MCLs.

Table-2 compares radiological results to applicable standards. Analyses were performed for gamma spectroscopy, gross alpha/beta, isotopic radium and isotopic uranium. Gamma

spectroscopy analysis was performed using EPA method 901.1, gross alpha/beta analysis was performed using EPA method 900.0, isotopic radium analysis was performed using EPA methods 903.1 and 904.0 and isotopic uranium analysis was performed using DOE EML HASL-300 U -02-RC Modified and Eichrom ACW-03-15 methods.

Gamma spectroscopy detected radium-226/228 above the MCL of 5 pCi/L at monitoring wells TAV-MW4 and TAV-MW9. However, when the original samples were analyzed using methods 903.1 and 904.0 radium-226/228 was not detected above the Minimum Detectable Activity (MDA). All other radionuclides were below established MCLs.

Table-3 compares the non-metal inorganic analysis results to applicable MCLs. Inorganic chemical analysis was performed for nitrate plus nitrite (NPN) using EPA method 353.2. Nitrate concentrations exceeded the MCL of 10 mg/L at TAV monitoring wells AVN-1, MW6, and LWDS-MW1. The results were 10.1 mg/L, 10.2 mg/L, and 13.1 mg/L respectively.

Table-4 compares the organic analyses results to applicable EPA standards. Organic analyses were performed for Volatile Organic Compounds (VOCs) using EPA method 8260. During the third and fourth quarter TCE was detected above the MCL of 5 µg/L at monitoring wells TAV-MW6 and LWDS-MW1. Concentrations at TAV-MW6 during these two sampling events were 7.2 µg/L and 8.3 µg/L respectively. Concentrations at LWDS-MW1 during the third and fourth quarter were 13.5 µg/L and 14 µg/L.

Conclusion

Results for all total and dissolved TAL metals from all samples collected at Tech Area-V monitoring wells were below established MACs and MCLs.

All radionuclides analyzed for at TAV monitoring wells were below established MCLs.

Nitrate concentrations at TAV-AVN-1 and TAV-MW6 slightly exceeded the MCL of 10 mg/L. To date, the DOE-OB/SOS has not completed any trending analyses on these particular wells to determine if nitrate concentrations are increasing or decreasing. The nitrate concentration at monitoring well LWDS-MW1 also exceeded the MCL standard. The NPN concentration at LWDS-MW1 compares well with historical data provided by SNL/NM. Trending analysis performed by SNL/NM at LWDS-MW1 suggests that nitrate levels appear to be slightly decreasing over time. DOE-OB/SOS recommends that SNL/NM continue to sample these wells for NPN.

During the third and fourth quarter TCE was detected above the MCL of 5 µg/L at monitoring wells TAV-MW6 and LWDS-MW1. Trending analysis performed by SNL/NM suggests that TCE concentrations at TAV-MW6 have been increasing over time and concentrations at LWDS-MW1 indicate that TCE has been slightly decreasing. DOE-OB-SOS recommends that SNL/NM continue to sample these wells for VOCs.

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) Table-1 Target Analyte List (TAL) Metals Results
(2) Table-2 Radionuclide Results
(3) Table-3 Non-Metal Inorganic Results
(4) Table-4 Organic Results

cc: Karen Agogino, DOE/SSO, MS 0184
John Gould, DOE/SSO, MS 0184
Michael Skelly, SNL/NM ER Groundwater, MS 1089
Thomas Skibitski, Bureau Chief, NMED/DOE-OB

**NMED/DOE-OB/Sandia Oversight Section
FFY 2007 Technical Area-V Groundwater Monitoring
TAL Metals Results**

Sample ID	Collection Date	F/UF ^a	Aluminum					Antimony					Arsenic				
			Results (mg/L)	MDL (mg/L)	Lab Qual	EPA MCL (mg/L)	NM MAC (mg/L)	Results (mg/L)	MDL (mg/L)	Lab Qual	EPA MCL (mg/L)	NM MAC (mg/L)	Results (mg/L)	MDL (mg/L)	Lab Qual	EPA MCL (mg/L)	NM MAC (mg/L)
TAV-MW8-11.14.06	11/14/2006	UF	0.0242	0.02	I	-	5	0.001	0.001	U	0.006	-	0.00127	0.001	I	0.01	0.1
TAV-MW3- 06.06.07	6/6/2007	F	0.005	0.005	U	-	5	0.0005	0.0005	U	0.006	-	0.00207	0.0015	J	0.01	0.1
TAV-MW9-06.07.07	6/7/2007	F	0.005	0.005	U	-	5	0.0005	0.0005	U	0.006	-	0.0015	0.0015	U	0.01	0.1
TAV-MW7-06.08.07	6/8/2007	F	0.005	0.005	U	-	5	0.0005	0.0005	U	0.006	-	0.0015	0.0015	U	0.01	0.1
TAV-MW2-06.11.07	6/11/2007	F	0.005	0.005	U	-	5	0.0005	0.0005	U	0.006	-	0.0015	0.0015	U	0.01	0.1
TAV-MW4-06.12.07	6/12/2007	F	0.005	0.005	U	-	5	0.0005	0.0005	U	0.006	-	0.0015	0.0015	U	0.01	0.1
LWDS-MW2-06.13.07	6/13/2007	F	0.005	0.005	U	-	5	0.0005	0.0005	U	0.006	-	0.0015	0.0015	U	0.01	0.1
TAV-MW8-06.14.07	6/14/2007	F	0.00758	0.005	J	-	5	0.0005	0.0005	U	0.006	-	0.0015	0.0015	U	0.01	0.1
TAV-MW6-06.15.07	6/15/2007	F	0.005	0.005	U	-	5	0.0005	0.0005	U	0.006	-	0.0015	0.0015	U	0.01	0.1
TAV-AVN-1-06.18.07	6/18/2007	F	0.005	0.005	U	-	5	0.0005	0.0005	U	0.006	-	0.0015	0.0015	U	0.01	0.1
TAV-MW5-06.19.07	6/19/2007	F	0.005	0.005	U	-	5	0.0005	0.0005	U	0.006	-	0.0015	0.0015	U	0.01	0.1
LWDS-MW1-06.21.07	6/21/2007	F	0.005	0.005	U	-	5	0.0005	0.0005	U	0.006	-	0.00278	0.0015	J	0.01	0.1

Notes

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**NMED/DOE-OB/Sandia Oversight Section
FFY 2007 Technical Area-V Groundwater Monitoring
TAL Metals Results**

Sample ID	Collection Date	F/UF ^a	Barium					Beryllium					Cadmium				
			Results (mg/L)	MDL (mg/L)	Lab Qual	EPA MCL (mg/L)	NM MAC (mg/L)	Results (mg/L)	MDL (mg/L)	Lab Qual	EPA MCL (mg/L)	NM MAC (mg/L)	Results (mg/L)	MDL (mg/L)	Lab Qual	EPA MCL (mg/L)	NM MAC (mg/L)
TAV-MW8-11.14.06	11/14/2006	UF	0.0802	0.002		2	1	0.001	0.001	U	0.004	-	0.001	0.001	U	0.005	0.01
TAV-MW3-06.06.07	6/6/2007	F	0.0443	0.0005		2	1	0.0001	0.0001	U	0.004	-	0.0001	0.0001	U	0.005	0.01
TAV-MW9-06.07.07	6/7/2007	F	0.0661	0.0005		2	1	0.0001	0.0001	U	0.004	-	0.0001	0.0001	U	0.005	0.01
TAV-MW7-06.08.07	6/8/2007	F	0.0508	0.0005		2	1	0.0001	0.0001	U	0.004	-	0.0001	0.0001	U	0.005	0.01
TAV-MW2-06.11.07	6/11/2007	F	0.0619	0.0005		2	1	0.0001	0.0001	U	0.004	-	0.0001	0.0001	U	0.005	0.01
TAV-MW4-06.12.07	6/12/2007	F	0.0822	0.0005		2	1	0.0001	0.0001	U	0.004	-	0.0001	0.0001	U	0.005	0.01
LWDS-MW2-06.13.07	6/13/2007	F	0.0695	0.0005		2	1	0.0001	0.0001	U	0.004	-	0.000263	0.0001	J	0.005	0.01
TAV-MW8-06.14.07	6/14/2007	F	0.0481	0.0005		2	1	0.0001	0.0001	U	0.004	-	0.0001	0.0001	U	0.005	0.01
TAV-MW6-06.15.07	6/15/2007	F	0.0617	0.0005		2	1	0.0001	0.0001	U	0.004	-	0.00011	0.00011	U	0.005	0.01
TAV-AVN-1-06.18.07	6/18/2007	F	0.0787	0.0005		2	1	0.0001	0.0001	U	0.004	-	0.00011	0.00011	U	0.005	0.01
TAV-MW5-06.19.07	6/19/2007	F	0.064	0.0005		2	1	0.0001	0.0001	U	0.004	-	0.00011	0.00011	U	0.005	0.01
LWDS-MW1-06.21.07	6/21/2007	F	0.0872	0.0005		2	1	0.0001	0.0001	U	0.004	-	0.00011	0.00011	U	0.005	0.01

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Table 1

**NMED/DOE-OB/Sandia Oversight Section
FFY 2007 Technical Area-V Groundwater Monitoring
TAL Metals Results**

Sample ID	Collection Date	F/UF ^a	Calcium					Chromium					Cobalt				
			Results (mg/L)	MDL (mg/L)	Lab Qual	EPA MCL (mg/L)	NM MAC (mg/L)	Results (mg/L)	MDL (mg/L)	Lab Qual	EPA MCL (mg/L)	NM MAC (mg/L)	Results (mg/L)	MDL (mg/L)	Lab Qual	EPA MCL (mg/L)	NM MAC (mg/L)
TAV-MW8-11.14.06	11/14/2006	UF	50.4	0.1		-	-	0.00508	0.001		0.1	0.05	0.001	0.001	U	-	0.05
TAV-MW3-06.06.07	6/6/2007	F	47.1	0.02		-	-	0.00196	0.001	J	0.1	0.05	0.0001	0.0001	U	-	0.05
TAV-MW9-06.07.07	6/7/2007	F	62.3	0.2		-	-	0.00111	0.001	J	0.1	0.05	0.000118	0.0001	J	-	0.05
TAV-MW7-06.08.07	6/8/2007	F	57.8	0.1		-	-	0.001	0.001	U	0.1	0.05	0.000103	0.0001	J	-	0.05
TAV-MW2-06.11.07	6/11/2007	F	75.2	0.1		-	-	0.001	0.001	U	0.1	0.05	0.000143	0.0001	J	-	0.05
TAV-MW4-06.12.07	6/12/2007	F	53.1	0.1		-	-	0.01	0.001		0.1	0.05	0.0001	0.0001	U	-	0.05
LWDS-MW2-06.13.07	6/13/2007	F	48.8	0.02		-	-	0.00267	0.001	J	0.1	0.05	0.000125	0.0001	J	-	0.05
TAV-MW8-06.14.07	6/14/2007	F	56.4	0.1		-	-	0.001	0.001	U	0.1	0.05	0.000171	0.0001	J	-	0.05
TAV-MW6-06.15.07	6/15/2007	F	63.8	0.1		-	-	0.00267	0.001	J	0.1	0.05	0.000216	0.0001	J	-	0.05
TAV-AVN-1-06.18.07	6/18/2007	F	39.6	0.02		-	-	0.00255	0.001	J	0.1	0.05	0.000102	0.0001	J	-	0.05
TAV-MW5-06.19.07	6/19/2007	F	44.7	0.02		-	-	0.00293	0.001	J	0.1	0.05	0.000147	0.0001	J	-	0.05
LWDS-MW1-06.21.07	6/21/2007	F	66.8	0.1		-	-	0.00222	0.001	J	0.1	0.05	0.000213	0.0001	J	-	0.05

Notes

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**NMED/DOE-OB/Sandia Oversight Section
FFY 2007 Technical Area-V Groundwater Monitoring
TAL Metals Results**

Sample ID	Collection Date	F/UF ^a	Copper					Iron					Lead				
			Results (mg/L)	MDL (mg/L)	Lab Qual	EPA MCL (mg/L)	NM MAC (mg/L)	Results (mg/L)	MDL (mg/L)	Lab Qual	EPA MCL (mg/L)	NM MAC (mg/L)	Results (mg/L)	MDL (mg/L)	Lab Qual	EPA MCL (mg/L)	NM MAC (mg/L)
TAV-MW8-11.14.06	11/14/2006	UF	0.0035	0.001		1.3	1	0.0138	0.01	I	-	1	0.001	0.001	U	0.015	0.05
TAV-MW3-06.06.07	6/6/2007	F	0.000864	0.0002	J	1.3	1	0.299	0.01		-	1	0.0005	0.0005	U	0.015	0.05
TAV-MW9-06.07.07	6/7/2007	F	0.000931	0.0002	J	1.3	1	0.35	0.01		-	1	0.0005	0.0005	U	0.015	0.05
TAV-MW7-06.08.07	6/8/2007	F	0.000457	0.0002	J	1.3	1	0.224	0.01		-	1	0.0005	0.0005	U	0.015	0.05
TAV-MW2-06.11.07	6/11/2007	F	0.000552	0.0002	J	1.3	1	0.299	0.01		-	1	0.0005	0.0005	U	0.015	0.05
TAV-MW4-06.12.07	6/12/2007	F	0.000377	0.0002	J	1.3	1	0.201	0.01		-	1	0.0005	0.0005	U	0.015	0.05
LWDS-MW2-06.13.07	6/13/2007	F	0.000908	0.0002	J	1.3	1	0.213	0.01		-	1	0.0005	0.0005	U	0.015	0.05
TAV-MW8-06.14.07	6/14/2007	F	0.00079	0.0002	J	1.3	1	0.238	0.01		-	1	0.0005	0.0005	U	0.015	0.05
TAV-MW6-06.15.07	6/15/2007	F	0.000731	0.0002	J	1.3	1	0.275	0.01		-	1	0.0005	0.0005	U	0.015	0.05
TAV-AVN-1-06.18.07	6/18/2007	F	0.000757	0.0002	J	1.3	1	0.216	0.01		-	1	0.0005	0.0005	U	0.015	0.05
TAV-MW5-06.19.07	6/19/2007	F	0.000787	0.0002	J	1.3	1	0.215	0.01		-	1	0.0005	0.0005	U	0.015	0.05
LWDS-MW1-06.21.07	6/21/2007	F	0.000991	0.0002	J	1.3	1	0.295	0.01		-	1	0.0005	0.0005	U	0.015	0.05

Notes

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Table 1

**NMED/DOE-OB/Sandia Oversight Section
FFY 2007 Technical Area-V Groundwater Monitoring
TAL Metals Results**

Sample ID	Collection Date	F/UF ^a	Magnesium					Manganese					Mercury				
			Results (mg/L)	MDL (mg/L)	Lab Qual	EPA MCL (mg/L)	NM MAC (mg/L)	Results (mg/L)	MDL (mg/L)	Lab Qual	EPA MCL (mg/L)	NM MAC (mg/L)	Results (mg/L)	MDL (mg/L)	Lab Qual	EPA MCL (mg/L)	NM MAC (mg/L)
TAV-MW8-11.14.06	11/14/2006	UF	16.1	0.01		-	-	0.01	0.01	U	0.05	0.2	0.0002	0.0002	U	0.002	0.002
TAV-MW3- 06.06.07	6/6/2007	F	13.6	0.005		-	-	0.001	0.001	U	0.05	0.2	0.00006	6E-05	U	0.002	0.002
TAV-MW9-06.07.07	6/7/2007	F	19.1	0.005		-	-	0.001	0.001	U	0.05	0.2	0.00006	6E-05	U	0.002	0.002
TAV-MW7-06.08.07	6/8/2007	F	18.8	0.005		-	-	0.001	0.001	U	0.05	0.2					
TAV-MW2-06.11.07	6/11/2007	F	24.7	0.005		-	-	0.001	0.001	U	0.05	0.2					
TAV-MW4-06.12.07	6/12/2007	F	14.7	0.005		-	-	0.001	0.001	U	0.05	0.2					
LWDS-MW2-06.13.07	6/13/2007	F	14.6	0.005		-	-	0.001	0.001	U	0.05	0.2					
TAV-MW8-06.14.07	6/14/2007	F	16.5	0.005		-	-	0.001	0.001	U	0.05	0.2					
TAV-MW6-06.15.07	6/15/2007	F	18.4	0.005		-	-	0.001	0.001	U	0.05	0.2	0.00003	3E-05	HUh	0.002	0.002
TAV-AVN-1-06.18.07	6/18/2007	F	9.69	0.005		-	-	0.001	0.001	U	0.05	0.2	0.00003	3E-05	HUh	0.002	0.002
TAV-MW5-06.19.07	6/19/2007	F	13.8	0.005		-	-	0.001	0.001	U	0.05	0.2	0.00003	3E-05	HUh	0.002	0.002
LWDS-MW1-06.21.07	6/21/2007	F	21.1	0.005		-	-	0.001	0.001	U	0.05	0.2	0.00003	3E-05	HUh	0.002	0.002

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FFY 2007 Technical Area-V Groundwater Monitoring
TAL Metals Results**

Sample ID	Collection Date	F/UF ^a	Molybdenum					Nickel					Potassium				
			Results (mg/L)	MDL (mg/L)	Lab Qual	EPA MCL (mg/L)	NM MAC (mg/L)	Results (mg/L)	MDL (mg/L)	Lab Qual	EPA MCL (mg/L)	NM MAC (mg/L)	Results (mg/L)	MDL (mg/L)	Lab Qual	EPA MCL (mg/L)	NM MAC (mg/L)
TAV-MW8-11.14.06	11/14/2006	UF						0.00164	0.001	I	-	0.2	5.34	0.1		-	-
TAV-MW3-06.06.07	6/6/2007	F						0.000812	0.0005	J	-	0.2	3.84	0.08		-	-
TAV-MW9-06.07.07	6/7/2007	F						0.000902	0.0005	J	-	0.2	3.5	0.08		-	-
TAV-MW7-06.08.07	6/8/2007	F						0.00102	0.0005	J	-	0.2	3.83	0.08		-	-
TAV-MW2-06.11.07	6/11/2007	F						0.00162	0.0005	J	-	0.2	3.72	0.08		-	-
TAV-MW4-06.12.07	6/12/2007	F						0.00104	0.0005	J	-	0.2	2.97	0.08		-	-
LWDS-MW2-06.13.07	6/13/2007	F						0.00121	0.0005	J	-	0.2	2.72	0.08		-	-
TAV-MW8-06.14.07	6/14/2007	F						0.00148	0.0005	J	-	0.2	3.41	0.08		-	-
TAV-MW6-06.15.07	6/15/2007	F	0.00449	0.0001		-	-	0.0018	0.0005	J	-	0.2	3.32	0.08		-	-
TAV-AVN-1-06.18.07	6/18/2007	F	0.00832	0.0001		-	-	0.00122	0.0005	J	-	0.2	3.3	0.08		-	-
TAV-MW5-06.19.07	6/19/2007	F	0.00618	0.0001		-	-	0.00145	0.0005	J	-	0.2	2.67	0.08		-	-
LWDS-MW1-06.21.07	6/21/2007	F	0.00493	0.0001		-	-	0.00204	0.0005		-	0.2	3.08	0.08		-	-

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**NMED/DOE-OB/Sandia Oversight Section
FFY 2007 Technical Area-V Groundwater Monitoring
TAL Metals Results**

Sample ID	Collection Date	F/UF ^a	Selenium					Silver					Sodium				
			Results (mg/L)	MDL (mg/L)	Lab Qual	EPA MCL (mg/L)	NM MAC (mg/L)	Results (mg/L)	MDL (mg/L)	Lab Qual	EPA MCL (mg/L)	NM MAC (mg/L)	Results (mg/L)	MDL (mg/L)	Lab Qual	EPA MCL (mg/L)	NM MAC (mg/L)
TAV-MW8-11.14.06	11/14/2006	UF	0.002	0.002	U	0.05	0.05	0.0038	0.0005		-	0.05	49.6	0.5		-	-
TAV-MW3- 06.06.07	6/6/2007	F	0.0025	0.0025	U	0.05	0.05	0.0002	0.0002	U	-	0.05	48.1	0.08		-	-
TAV-MW9-06.07.07	6/7/2007	F	0.0025	0.0025	U	0.05	0.05	0.0002	0.0002	U	-	0.05	60.6	0.8		-	-
TAV-MW7-06.08.07	6/8/2007	F	0.0025	0.0025	U	0.05	0.05	0.0002	0.0002	U	-	0.05	57.2	0.4		-	-
TAV-MW2-06.11.07	6/11/2007	F	0.00291	0.0025	J	0.05	0.05	0.0002	0.0002	U	-	0.05	68	0.4		-	-
TAV-MW4-06.12.07	6/12/2007	F	0.00351	0.0025	J	0.05	0.05	0.0002	0.0002	U	-	0.05	47.6	0.08		-	-
LWDS-MW2-06.13.07	6/13/2007	F	0.0025	0.0025	U	0.05	0.05	0.0002	0.0002	U	-	0.05	49	0.08		-	-
TAV-MW8-06.14.07	6/14/2007	F	0.00273	0.0025	J	0.05	0.05	0.0002	0.0002	U	-	0.05	55.6	0.4		-	-
TAV-MW6-06.15.07	6/15/2007	F	0.00254	0.001	J	0.05	0.05						66	0.4		-	-
TAV-AVN-1-06.18.07	6/18/2007	F	0.00184	0.001	J	0.05	0.05						40.6	0.08		-	-
TAV-MW5-06.19.07	6/19/2007	F	0.00202	0.001	J	0.05	0.05						47.1	0.4		-	-
LWDS-MW1-06.21.07	6/21/2007	F	0.00478	0.001	J	0.05	0.05						68.9	0.4		-	-

Notes

^a - Samples were either filtered (F) of unfiltered (UF).
h- Preparation or preservation holding time was exceeded

H- Analytical holding time was exceeded
I- Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

U- Analyte was analyzed for, but not detected above the Method Detection Limit (MDL)

J-Value is estimated.

**NMED/DOE-OB/Sandia Oversight Section
FFY 2007 Technical Area-V Groundwater Monitoring
TAL Metals Results**

Sample ID	Collection Date	F/UF ^a	Thallium					Uranium					Vanadium				
			Results (mg/L)	MDL (mg/L)	Lab Qual	EPA MCL (mg/L)	NM MAC (mg/L)	Results (mg/L)	MDL (mg/L)	Lab Qual	EPA MCL (mg/L)	NM MAC (mg/L)	Results (mg/L)	MDL (mg/L)	Lab Qual	EPA MCL (mg/L)	NM MAC (mg/L)
TAV-MW8-11.14.06	11/14/2006	UF	0.001	0.001	U	0.002	-	0.00529			0.03	0.03	0.00524	0.001		-	-
TAV-MW3-06.06.07	6/6/2007	F	0.0004	0.0004	U	0.002	-	0.00304	0.00005		0.03	0.03	0.01	0.01	U	-	-
TAV-MW9-06.07.07	6/7/2007	F	0.0004	0.0004	U	0.002	-	0.00533	0.00005		0.03	0.03	0.01	0.01	U	-	-
TAV-MW7-06.08.07	6/8/2007	F	0.000445	0.0004	J	0.002	-	0.00539	0.00005		0.03	0.03	0.01	0.01	U	-	-
TAV-MW2-06.11.07	6/11/2007	F	0.0004	0.0004	U	0.002	-	0.00718	0.00005		0.03	0.03	0.01	0.01	U	-	-
TAV-MW4-06.12.07	6/12/2007	F	0.0004	0.0004	U	0.002	-	0.00358	0.00005		0.03	0.03	0.01	0.01	U	-	-
LWDS-MW2-06.13.07	6/13/2007	F	0.0004	0.0004	U	0.002	-	0.00364	0.00005		0.03	0.03	0.01	0.01	U	-	-
TAV-MW8-06.14.07	6/14/2007	F	0.0004	0.0004	U	0.002	-	0.00375	0.00005		0.03	0.03	0.01	0.01	U	-	-
TAV-MW6-06.15.07	6/15/2007	F	0.000543	0.0003	J	0.002	-	0.00473	0.00005		0.03	0.03	0.00517	0.003	J	-	-
TAV-AVN-1-06.18.07	6/18/2007	F	0.0003	0.0003	U	0.002	-	0.00244	0.00005		0.03	0.03	0.0056	0.003	J	-	-
TAV-MW5-06.19.07	6/19/2007	F	0.0003	0.0003	U	0.002	-	0.00391	0.00005		0.03	0.03	0.0066	0.003	J	-	-
LWDS-MW1-06.21.07	6/21/2007	F	0.0003	0.0003	U	0.002	-	0.00386	0.00005		0.03	0.03	0.00477	0.003	J	-	-

Notes

^a - Samples were either filtered (F) of unfiltered (UF).

h- Preparation or preservation holding time was exceeded

H- Analytical holding time was exceeded

I- Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

U- Analyte was analyzed for, but not detected above the Method Detection Limit (MDL)

J-Value is estimated.

Table 1

**NMED/DOE-OB/Sandia Oversight Section
FFY 2007 Technical Area-V Groundwater Monitoring
TAL Metals Results**

Sample ID	Collection Date	F/UF ^a	Zinc					Uranium-235			Uranium-238		
			Results (mg/L)	MDL (mg/L)	Lab Qual	EPA MCL (mg/L)	NM MAC (mg/L)	Results (mg/L)	MDL (mg/L)	Lab Qual	Results (mg/L)	MDL (mg/L)	Lab Qual
TAV-MW8-11.14.06	11/14/2006	UF	0.01	0.01	U	-	10						
TAV-MW3-06.06.07	6/6/2007	F	0.00783	0.002	J	-	10	0.000023	0.00001	J	0.0032	0.00005	
TAV-MW9-06.07.07	6/7/2007	F	0.00383	0.002	J	-	10	0.000041	0.00001	J	0.0057	0.00005	
TAV-MW7-06.08.07	6/8/2007	F	0.00237	0.002	J	-	10						
TAV-MW2-06.11.07	6/11/2007	F	0.0032	0.002	J	-	10						
TAV-MW4-06.12.07	6/12/2007	F	0.00219	0.002	J	-	10						
LWDS-MW2-06.13.07	6/13/2007	F	0.0041	0.002	J	-	10						
TAV-MW8-06.14.07	6/14/2007	F	0.00375	0.002	J	-	10						
TAV-MW6-06.15.07	6/15/2007	F	0.00308	0.0026	J	-	10						
TAV-AVN-1-06.18.07	6/18/2007	F	0.00303	0.0026	J	-	10						
TAV-MW5-06.19.07	6/19/2007	F	0.00377	0.0026	J	-	10						
LWDS-MW1-06.21.07	6/21/2007	F	0.00536	0.0026	J	-	10						

Notes

^a - Samples were either filtered (F) or unfiltered (UF).

h- Preparation or preservation holding time was exceeded

H- Analytical holding time was exceeded

I- Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

U- Analyte was analyzed for, but not detected above the Method Detection Limit (MDL)

J-Value is estimated.

Table 1

NMED/DOE-OB/Sandia Oversight Office
FFY 2007 Technical Area-V Groundwater Monitoring
Radiological Results

Sample ID	Collection Date	Actinium-228				Americium 241				Antimony 124				Antimony 125							
		Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual				
TAV-MW3- 06.06.07	6/6/2007	1.589	2.988	1.538										3.065	4.673	2.429					
TAV-MW9-06.07.07	6/7/2007	5.198	3.112	1.639										-0.3	5.376	2.666	U				
TAV-MW7-06.08.07	6/8/2007																				
TAV-MW2-06.11.07	6/11/2007																				
TAV-MW4-06.12.07	6/12/2007																				
LWDS-MW2-06.13.07	6/13/2007	-9.84	11.5	16.7	U	-28.7	28.3	41.4	U	0.420	10.3	17.3	U	-3.2	6.40	10.6	U				
TAV-MW8-06.14.07	6/14/2007	2.46	5.74	10.1	U	5.28	8.62	13.1	U	3.67	6.94	12.7	U	-4.58	4.90	7.38	U				
TAV-MW6-06.15.07	6/15/2007	-1.46	8.33	12.8	U	4.01	14.2	22.4	U	-4.12	9.49	15.1	U	-1.2	6.30	8.92	U				
TAV-AVN-1-06.18.07	6/18/2007	-14.1	9.07	12.8	U	-3.42	19.7	29.0	U	-6.09	9.30	14.0	U	0.692	7.49	9.71	U				
TAV-MW5-06.19.07	6/19/2007	-4.8	10.4	15.3	U	2.47	14.2	22.0	U	3.33	8.24	14.6	U	5.19	6.33	11.2	U				
LWDS-MW1-06.21.07	6/21/2007	0.649	8.79	13.4	U	-10.3	13.2	20.5	U	-5.24	8.21	12.0	U	-4.81	5.85	9.22	U				

NMED/DOE-OB/Sandia Oversight Office
FFY 2007 Technical Area-V Groundwater Monitoring
Radiological Results

Sample ID	Collection Date	Barium 133				Barium 140				Beryllium 7				Bismuth 212			
		Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual
TAV-MW3-06.06.07	6/6/2007													-1.05	30.893	14.604	U
TAV-MW9-06.07.07	6/7/2007													-0.083	28.702	14.101	U
TAV-MW7-06.08.07	6/8/2007													0.82	15.081	7.573	U
TAV-MW2-06.11.07	6/11/2007													-2.726	13.411	6.616	U
TAV-MW4-06.12.07	6/12/2007													-5.706	14.495	7.034	U
LWDS-MW2-06.13.07	6/13/2007	-0.858	3.66	5.07	U	67.7	197	343	U	-5.67	38.7	65.1	U	-2.98	19.4	31.9	U
TAV-MW8-06.14.07	6/14/2007	1.72	2.17	3.79	U	-11.8	140	239	U	-5.47	28.8	46.3	U	-8.84	17.4	22.1	U
TAV-MW6-06.15.07	6/15/2007	-0.362	3.12	4.55	U	124	159	282	U	9.54	30.4	51.4	U	9.70	15.4	27.6	U
TAV-AVN-1-06.18.07	6/18/2007	-2.37	3.05	4.70	U	-113	147	223	U	-11.8	41.8	56.0	U	8.76	17.0	29.8	U
TAV-MW5-06.19.07	6/19/2007	-4.79	3.46	4.39	U	-32.4	133	223	U	-5.0	31.9	51.5	U	-1.83	15.4	25.6	U
LWDS-MW1-06.21.07	6/21/2007	0.754	3.29	5.00	U	-11.1	123	203	U	-16	32.1	51.5	U	8.46	15.8	28.4	U

Table 2

**NMED/DOE-OB/Sandia Oversight Office
FFY 2007 Technical Area-V Groundwater Monitoring
Radiological Results**

Sample ID	Collection Date	Bismuth 214				Cadmium 109				Cerium 139				Cerium 141			
		Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual
TAV-MW3- 06.06.07	6/6/2007	53.26	7.911	2.093		70.186	21.984	14.33	SI	0.3	1.444	0.675	U				
TAV-MW9-06.07.07	6/7/2007	33.854	7.639	3.748		42.459	40.118	25.57	SI	-0.075	1.656	0.771	U				
TAV-MW7-06.08.07	6/8/2007	14.292	5.008	2.768													
TAV-MW2-06.11.07	6/11/2007	10.243	3.115	2.084													
TAV-MW4-06.12.07	6/12/2007	18.972	5.058	2.817													
LWDS-MW2-06.13.07	6/13/2007	5.87	5.13	9.36	U					-1.09	2.87	4.76	U	21.2	14.4	23.8	U
TAV-MW8-06.14.07	6/14/2007	0.00	3.59	6.34	UI					0.417	2.18	3.32	U	-2.52	11.2	16.3	U
TAV-MW6-06.15.07	6/15/2007	3.62	5.51	7.73	U					-1.43	2.55	3.55	U	7.81	15.5	16.4	U
TAV-AVN-1-06.18.07	6/18/2007	4.21	7.51	8.88	U					0.367	2.62	4.52	U	-12.8	12.7	17.8	U
TAV-MW5-06.19.07	6/19/2007	-0.482	6.00	8.91	U					2.00	4.20	4.16	U	-5.15	11.2	17.9	U
LWDS-MW1-06.21.07	6/21/2007	2.72	6.90	7.71	U					2.54	4.09	4.06	U	-7.22	11.8	16.0	U

Table 2

NMED/DOE-OB/Sandia Oversight Office
FFY 2007 Technical Area-V Groundwater Monitoring
Radiological Results

Sample ID	Collection Date	Cerium 144				Cesium 134				Cesium 136				Cesium 137			
		Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual
TAV-MW3- 06.06.07	6/6/2007					0.469	1.829	0.928	U					-1.173	2.125	0.95	U
TAV-MW9-06.07.07	6/7/2007					0.511	1.808	0.922	U					-2.3	3.342	2.21	U
TAV-MW7-06.08.07	6/8/2007													2.675	2.111	1.15	
TAV-MW2-06.11.07	6/11/2007													-0.119	2.002	0.94	U
TAV-MW4-06.12.07	6/12/2007													2.168	2.033	1.1	
LWDS-MW2-06.13.07	6/13/2007	-0.0607	21.3	31.4	U	0.551	2.67	4.55	U	-39.9	77.1	124	U	-0.236	2.51	4.19	U
TAV-MW8-06.14.07	6/14/2007	-3.05	13.7	23.3	U	-0.612	1.77	2.86	U	-2.16	46.5	76.6	U	1.16	1.67	3.03	U
TAV-MW6-06.15.07	6/15/2007	8.86	15.3	26.1	U	1.30	2.31	3.32	U	-27.5	49.8	78.4	U	0.788	1.86	3.29	U
TAV-AVN-1-06.18.07	6/18/2007	-0.994	17.5	28.0	U	-0.642	2.02	3.18	U	-51	48.3	68.7	U	2.01	1.99	3.69	U
TAV-MW5-06.19.07	6/19/2007	10.9	16.6	28.1	U	-2.26	2.70	4.09	U	2.37	42.5	73.2	U	0.384	1.92	3.33	U
LWDS-MW1-06.21.07	6/21/2007	-9.61	15.0	24.6	U	1.58	2.33	4.22	U	-3.79	47.0	65.8	U	-0.417	2.45	3.43	U

Table 2

**NMED/DOE-OB/Sandia Oversight Office
FFY 2007 Technical Area-V Groundwater Monitoring
Radiological Results**

Sample ID	Collection Date	Chromium 51				Cobalt 56				Cobalt 57				Cobalt 58			
		Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual
TAV-MW3-06.06.07	6/6/2007																
TAV-MW9-06.07.07	6/7/2007																
TAV-MW7-06.08.07	6/8/2007																
TAV-MW2-06.11.07	6/11/2007																
TAV-MW4-06.12.07	6/12/2007																
LWDS-MW2-06.13.07	6/13/2007	-28.3	91.3	148	U	-0.289	6.04	6.81	U	1.25	2.31	4.01	U	-1.78	3.45	5.34	U
TAV-MW8-06.14.07	6/14/2007	-7.25	60.1	99.4	U	2.34	2.48	4.61	U	-0.135	1.65	2.83	U	0.651	2.56	4.44	U
TAV-MW6-06.15.07	6/15/2007	20.8	62.5	108	U	-1.07	3.10	4.93	U	0.674	1.95	3.30	U	-1.53	3.28	4.79	U
TAV-AVN-1-06.18.07	6/18/2007	-7.73	70.4	116	U	1.74	3.30	5.34	U	-1.24	2.56	3.54	U	1.07	3.68	5.50	U
TAV-MW5-06.19.07	6/19/2007	-36.4	71.1	116	U	-0.962	3.26	5.21	U	-0.0407	2.22	3.68	U	-1.76	4.33	5.83	U
LWDS-MW1-06.21.07	6/21/2007	-0.584	62.3	107	U	0.611	3.08	5.32	U	0.452	1.98	3.43	U	-3.8	3.24	4.72	U

**NMED/DOE-OB/Sandia Oversight Office
FFY 2007 Technical Area-V Groundwater Monitoring
Radiological Results**

Sample ID	Collection Date	Cobalt 60				Europium 152				Europium 154				Europium 155			
		Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual
TAV-MW3-06.06.07	6/6/2007	0.8	2.196	0.984	U	13.574	21.695	11.54	SI	0.602	2.08	1.064	U	7.725	2.405	1.577	
TAV-MW9-06.07.07	6/7/2007	2.075	2.016	1.031		6.008	25.126	12.13	U	0.17	2.312	1.168	U	4.673	4.412	2.329	
TAV-MW7-06.08.07	6/8/2007	-0.046	2.023	0.996	U												
TAV-MW2-06.11.07	6/11/2007	0.1	1.842	0.919	U												
TAV-MW4-06.12.07	6/12/2007	0.263	2.059	0.99	U												
LWDS-MW2-06.13.07	6/13/2007	0.225	3.03	4.85	U	3.14	6.86	11.4	U	-3.09	7.39	11.8	U	-2.33	9.24	15.6	U
TAV-MW8-06.14.07	6/14/2007	-0.061	1.74	2.97	U	0.00	8.84	9.09	UI	1.93	5.12	7.85	U	-2.63	6.11	10.4	U
TAV-MW6-06.15.07	6/15/2007	-1.09	2.18	3.36	U	2.72	5.38	9.40	U	0.332	8.41	11.3	U	4.57	7.82	12.2	U
TAV-AVN-1-06.18.07	6/18/2007	-0.962	2.23	3.44	U	1.57	6.51	10.9	U	-0.849	5.44	8.80	U	5.80	9.07	15.3	U
TAV-MW5-06.19.07	6/19/2007	0.694	2.41	4.21	U	-3.95	7.54	10.5	U	-9.84	6.74	8.65	U	-2.19	7.73	12.7	U
LWDS-MW1-06.21.07	6/21/2007	-0.754	2.23	3.60	U	5.95	6.21	11.2	U	-3.34	6.85	9.88	U	-8.59	8.43	12.9	U

Table 2

**NMED/DOE-OB/Sandia Oversight Office
FFY 2007 Technical Area-V Groundwater Monitoring
Radiological Results**

Sample ID	Collection Date	Iridium 192				Iron 59				Lead 210				Lead 212			
		Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual
TAV-MW3-06.06.07	6/6/2007									33.059	69.38	43.2	U				
TAV-MW9-06.07.07	6/7/2007									53.11	53.03	34.73					
TAV-MW7-06.08.07	6/8/2007									255.36	49.18	22.48					
TAV-MW2-06.11.07	6/11/2007									308.84	55.76	22.35					
TAV-MW4-06.12.07	6/12/2007									274.65	50.53	22.59					
LWDS-MW2-06.13.07	6/13/2007	-1.19	4.11	6.67	U	12.9	16.2	20.6	U	37.9	1310	2160	U	0.829	5.67	8.49	U
TAV-MW8-06.14.07	6/14/2007	0.643	2.75	4.67	U	7.46	8.46	15.4	U	1.92	235	246	U	2.57	6.21	7.18	U
TAV-MW6-06.15.07	6/15/2007	1.20	3.00	5.22	U	6.14	6.95	13.3	U	189	402	716	U	1.92	5.30	5.56	U
TAV-AVN-1-06.18.07	6/18/2007	3.09	3.48	6.11	U	-3.18	10.5	14.2	U	796	664	1180	U	5.73	6.08	7.91	U
TAV-MW5-06.19.07	6/19/2007	0.924	3.50	6.00	U	-6.82	9.07	13.9	U	343	549	575	U	-3.18	5.13	7.62	U
LWDS-MW1-06.21.07	6/21/2007	-0.516	3.13	5.32	U	-1.3	9.58	15.6	U	64.4	391	591	U	4.07	4.74	6.83	U

Table 2

NMED/DOE-OB/Sandia Oversight Office
FFY 2007 Technical Area-V Groundwater Monitoring
Radiological Results

Sample ID	Collection Date	Lead 214				Manganese 54				Mercury 203				Neodymium 147			
		Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual
TAV-MW3- 06.06.07	6/6/2007	53.754	8.02	3.154						-0.183	1.397	0.739	U				
TAV-MW9-06.07.07	6/7/2007	39.677	7.467	3.76						-0.691	1.759	0.795	U				
TAV-MW7-06.08.07	6/8/2007	13.445	4.171	2.37													
TAV-MW2-06.11.07	6/11/2007	7.977	3.919	2.092													
TAV-MW4-06.12.07	6/12/2007	13.904	4.287	2.431													
LWDS-MW2-06.13.07	6/13/2007	6.94	10.8	9.84	U	-0.722	2.71	4.38	U	1.42	5.85	9.86	U	-454	703	1120	U
TAV-MW8-06.14.07	6/14/2007	3.20	5.14	7.45	U	2.18	1.56	2.42	U	-3.43	5.68	7.77	U	-31.6	464	793	U
TAV-MW6-06.15.07	6/15/2007	1.56	5.12	7.23	U	1.84	2.21	4.00	U	-0.736	5.24	8.04	U	-114	520	827	U
TAV-AVN-1-06.18.07	6/18/2007	-1.38	6.07	8.55	U	-0.498	2.47	3.96	U	0.189	4.97	8.31	U	290	486	862	U
TAV-MW5-06.19.07	6/19/2007	-1.06	6.02	8.70	U	-1.71	2.83	3.63	U	-2.19	5.15	8.52	U	-47.4	419	713	U
LWDS-MW1-06.21.07	6/21/2007	0.244	6.66	8.41	U	0.991	2.12	3.77	U	0.858	4.47	7.42	U	-117	389	630	U

Table 2

**NMED/DOE-OB/Sandia Oversight Office
FFY 2007 Technical Area-V Groundwater Monitoring
Radiological Results**

Sample ID	Collection Date	Neptunium 239				Niobium 94				Niobium 95				Potassium 40			
		Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual
TAV-MW3-06.06.07	6/6/2007													46.096	18.297	11.138	
TAV-MW9-06.07.07	6/7/2007													12.936	35.696	22.21	U
TAV-MW7-06.08.07	6/8/2007													58.025	25.354	15.1	
TAV-MW2-06.11.07	6/11/2007													60.994	19.674	10.998	
TAV-MW4-06.12.07	6/12/2007													62.754	25.183	15.215	
LWDS-MW2-06.13.07	6/13/2007	-9.63	16.0	26.5	U	-0.362	2.36	3.91	U	-1.24	7.43	12.2	U	0.00	26.7	40.0	UI
TAV-MW8-06.14.07	6/14/2007	2.47	11.5	20.0	U	-0.811	1.29	2.02	U	-1.09	5.42	8.33	U	-22.1	23.8	31.1	U
TAV-MW6-06.15.07	6/15/2007	-7.3	13.0	21.1	U	1.28	2.04	3.62	U	1.21	7.53	11.5	U	3.71	27.7	34.6	U
TAV-AVN-1-06.18.07	6/18/2007	0.816	15.8	25.6	U	0.618	2.19	3.74	U	0.501	5.77	9.63	U	-20.3	31.3	45.8	U
TAV-MW5-06.19.07	6/19/2007	-13.4	14.9	23.6	U	-0.77	2.03	3.29	U	2.01	5.24	9.18	U	-31.9	31.6	48.1	U
LWDS-MW1-06.21.07	6/21/2007	1.20	13.1	22.5	U	-0.513	2.30	3.29	U	4.71	5.12	9.50	U	10.5	30.9	47.7	U

Table 2

**NMED/DOE-OB/Sandia Oversight Office
FFY 2007 Technical Area-V Groundwater Monitoring
Radiological Results**

Sample ID	Collection Date	Promethium 144				Promethium 146				Protactinium 234				Radium 223 ^a			
		Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual
TAV-MW3-06.06.07	6/6/2007									4.483	3.394	1.709		-0.23	5.124	3.053	U
TAV-MW9-06.07.07	6/7/2007									-0.573	3.838	1.919	U	3.216	4.363	2.261	
TAV-MW7-06.08.07	6/8/2007																
TAV-MW2-06.11.07	6/11/2007																
TAV-MW4-06.12.07	6/12/2007																
LWDS-MW2-06.13.07	6/13/2007	1.57	2.80	4.90	U	-0.428	3.15	5.33	U								
TAV-MW8-06.14.07	6/14/2007	0.809	1.54	2.76	U	-1.56	2.16	3.30	U								
TAV-MW6-06.15.07	6/15/2007	0.866	2.05	3.59	U	-2.36	2.46	3.66	U								
TAV-AVN-1-06.18.07	6/18/2007	-0.431	2.33	3.80	U	-2.68	2.58	3.99	U								
TAV-MW5-06.19.07	6/19/2007	0.705	2.27	3.94	U	0.860	3.02	5.09	U								
LWDS-MW1-06.21.07	6/21/2007	0.274	2.53	3.79	U	0.650	2.49	4.29	U								

**NMED/DOE-OB/Sandia Oversight Office
FFY 2007 Technical Area-V Groundwater Monitoring
Radiological Results**

Sample ID	Collection Date	Radium 226 ^a				Radium 228 ^a				Radium 226 ^b				Radium 228 ^c			
		Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual
TAV-MW3- 06.06.07	6/6/2007	30.97	65.23	41.13	U					0.023	0.416	0.418	U	-0.122	0.771	1.406	U
TAV-MW9-06.07.07	6/7/2007	76.18	62.32	39.9						0.056	0.576	0.55	U	0.834	1.258	2.097	U
TAV-MW7-06.08.07	6/8/2007									0.21	0.482	0.406	U	0.17	0.471	0.816	U
TAV-MW2-06.11.07	6/11/2007									-0.066	0.291	0.335	U	1.167	0.822	1.189	U
TAV-MW4-06.12.07	6/12/2007	154.2	46.75	22.8		17.383	8.327	4.615		0.002	0.469	0.463	U	0.173	0.413	0.713	U
LWDS-MW2-06.13.07	6/13/2007					-9.84	11.5	16.7	U	0.540	0.478	0.728	U	-0.113	0.515	0.897	U
TAV-MW8-06.14.07	6/14/2007					2.46	5.74	10.1	U	0.0453	0.366	0.732	U	0.780	0.682	1.09	U
TAV-MW6-06.15.07	6/15/2007					-1.46	8.33	12.8	U	0.185	0.386	0.709	U	0.560	0.541	0.871	U
TAV-AVN-1-06.18.07	6/18/2007					-14.1	9.07	12.8	U	0.459	0.433	0.674	U	1.26	0.581	0.757	
TAV-MW5-06.19.07	6/19/2007					-4.8	10.4	15.3	U	0.198	0.260	0.438	U	0.195	0.462	0.787	U
LWDS-MW1-06.21.07	6/21/2007					0.649	8.79	13.4	U	0.489	0.459	0.704	U	0.781	0.503	0.753	

Table 2

NMED/DOE-OB/Sandia Oversight Office
FFY 2007 Technical Area-V Groundwater Monitoring
Radiological Results

Sample ID	Collection Date	Ruthenium 106				Scandium 46				Silver 110m				Sodium 22			
		Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual
TAV-MW3- 06.06.07	6/6/2007	-19.206	36.171	14.788	U									-0.371	2.136	1.043	U
TAV-MW9-06.07.07	6/7/2007	-12.85	28.425	13.621	U									0.812	1.873	1.024	U
TAV-MW7-06.08.07	6/8/2007													-0.585	2.206	1.014	U
TAV-MW2-06.11.07	6/11/2007					0.558	1.786	0.952	U								
TAV-MW4-06.12.07	6/12/2007					-1.13	2.201	0.931	U								
LWDS-MW2-06.13.07	6/13/2007	6.49	20.6	35.8	U									-0.702	2.66	4.37	U
TAV-MW8-06.14.07	6/14/2007	9.11	16.1	28.9	U					-0.972	1.79	2.88	U	0.827	1.89	2.94	U
TAV-MW6-06.15.07	6/15/2007	-2.78	18.4	30.8	U					-0.467	1.93	3.19	U	0.150	3.08	4.16	U
TAV-AVN-1-06.18.07	6/18/2007	1.98	21.1	35.7	U					0.640	2.41	3.64	U	-0.31	1.99	3.22	U
TAV-MW5-06.19.07	6/19/2007	-13.4	20.2	32.0	U					-2.67	2.71	3.53	U	-3.66	2.44	3.12	U
LWDS-MW1-06.21.07	6/21/2007	3.67	19.0	32.0	U					1.11	2.15	3.73	U	-1.25	2.49	3.59	U

Table 2

**NMED/DOE-OB/Sandia Oversight Office
FFY 2007 Technical Area-V Groundwater Monitoring
Radiological Results**

Sample ID	Collection Date	Thallium 208				Thorium 228				Thorium 230				Thorium 234			
		Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual
TAV-MW3-06.06.07	6/6/2007	4.646	3.376	2.111		13.248	4.336	2.428									
TAV-MW9-06.07.07	6/7/2007	0.356	3.382	2.19	U	8.478	5.346	3.164									
TAV-MW7-06.08.07	6/8/2007	7.264	2.335	1.318		21.363	4.345	2.067									
TAV-MW2-06.11.07	6/11/2007	5.445	1.962	1.105		11.566	3.473	1.707									
TAV-MW4-06.12.07	6/12/2007	5.29	2.309	1.282		18.632	4.205	2.035									
LWDS-MW2-06.13.07	6/13/2007	-2.11	3.59	4.77	U					704	4850	2270	U	-120	259	331	U
TAV-MW8-06.14.07	6/14/2007	0.0962	2.34	3.53	U					437	2880	1100	U	0.00	145	108	UI
TAV-MW6-06.15.07	6/15/2007	-2.25	2.66	3.92	U					-807	5200	1320	U	1.10	186	235	U
TAV-AVN-1-06.18.07	6/18/2007	-1.97	2.73	4.06	U					-391	2820	1800	U	48.2	252	262	U
TAV-MW5-06.19.07	6/19/2007	0.994	3.38	4.25	U					0.00	9720	1370	UI	41.9	137	189	U
LWDS-MW1-06.21.07	6/21/2007	2.52	2.98	4.17	U					617	4100	1500	U	44.6	130	191	U

NMED/DOE-OB/Sandia Oversight Office
FFY 2007 Technical Area-V Groundwater Monitoring
Radiological Results

Sample ID	Collection Date	Tin 113				Uranium 235 ^a				Uranium 238 ^a				Uranium 233/234 ^d			
		Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual
TAV-MW3- 06.06.07	6/6/2007	-0.013	2.177	1.089	U												
TAV-MW9-06.07.07	6/7/2007	-0.126	2.268	1.132	U												
TAV-MW7-06.08.07	6/8/2007																
TAV-MW2-06.11.07	6/11/2007																
TAV-MW4-06.12.07	6/12/2007																
LWDS-MW2-06.13.07	6/13/2007	1.16	4.39	7.35	U	12.7	19.0	28.9	U	-120	259	331	U	3.37	0.265	0.119	
TAV-MW8-06.14.07	6/14/2007	0.600	2.95	4.95	U	-2.83	15.5	21.2	U	0.00	145	108	UI	4.04	0.568	0.449	
TAV-MW6-06.15.07	6/15/2007	1.01	2.95	5.06	U	10.2	20.2	25.2	U	1.10	186	187	U	4.15	0.312	0.172	
TAV-AVN-1-06.18.07	6/18/2007	-0.953	3.54	5.64	U	-23.6	18.6	23.7	U	48.2	252	225	U	2.29	0.226	0.120	
TAV-MW5-06.19.07	6/19/2007	0.307	3.94	6.10	U	5.86	16.5	27.5	U	41.9	137	172	U	3.56	0.536	0.278	
LWDS-MW1-06.21.07	6/21/2007	-1.93	3.44	5.60	U	-9.59	18.3	23.3	U	44.6	130	191	U	3.14	0.282	0.126	

Table 2

**NMED/DOE-OB/Sandia Oversight Office
FFY 2007 Technical Area-V Groundwater Monitoring
Radiological Results**

Sample ID	Collection Date	Uranium 235/236 ^d				Uranium 238 ^d				Uranium 234 ^e				Uranium 235 ^e			
		Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual
TAV-MW3-06.06.07	6/6/2007									3.318	0.483	0.114		0.009	0.049	0.043	U
TAV-MW9-06.07.07	6/7/2007									6.021	0.817	0.114		0.109	0.06	0.065	
TAV-MW7-06.08.07	6/8/2007									4.761	0.654	0.11		0.036	0.033	0.044	U
TAV-MW2-06.11.07	6/11/2007									6.513	0.873	0.121		0.058	0.038	0.017	
TAV-MW4-06.12.07	6/12/2007									3.395	0.495	0.135		0.019	0.041	0.077	U
LWDS-MW2-06.13.07	6/13/2007	0.189	0.0637	0.146		1.07	0.133	0.153									
TAV-MW8-06.14.07	6/14/2007	-0.0684	0.0791	0.449	U	0.900	0.257	0.484									
TAV-MW6-06.15.07	6/15/2007	0.146	0.0492	0.044		1.33	0.148	0.0968									
TAV-AVN-1-06.18.07	6/18/2007	0.161	0.064	0.148		0.650	0.117	0.195									
TAV-MW5-06.19.07	6/19/2007	0.134	0.110	0.344	U	1.05	0.274	0.389									
LWDS-MW1-06.21.07	6/21/2007	0.127	0.060	0.155	U	1.26	0.166	0.184									

Table 2

**NMED/DOE-OB/Sandia Oversight Office
FFY 2007 Technical Area-V Groundwater Monitoring
Radiological Results**

Sample ID	Collection Date	Uranium 238 ^e				Yttrium 88				Zinc 65				Zirconium 95			
		Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual	Result (pCi/L)	UNC +/-	MDA	Lab Qual
TAV-MW3-06.06.07	6/6/2007	0.938	0.181	0.076													
TAV-MW9-06.07.07	6/7/2007	2.071	0.337	0.161													
TAV-MW7-06.08.07	6/8/2007	1.487	0.25	0.067													
TAV-MW2-06.11.07	6/11/2007	1.753	0.291	0.104													
TAV-MW4-06.12.07	6/12/2007	0.971	0.195	0.117													
LWDS-MW2-06.13.07	6/13/2007					0.0549	4.99	7.03	U	-4.29	6.10	9.50	U				
TAV-MW8-06.14.07	6/14/2007					0.250	2.09	3.59	U	-1.51	3.99	6.24	U				
TAV-MW6-06.15.07	6/15/2007					-0.568	3.07	5.00	U	2.10	5.13	9.11	U				
TAV-AVN-1-06.18.07	6/18/2007					-2.14	3.10	4.46	U	-2.52	4.72	7.32	U				
TAV-MW5-06.19.07	6/19/2007					1.86	3.10	5.81	U	2.29	4.65	7.57	U				
LWDS-MW1-06.21.07	6/21/2007					0.0692	3.46	4.87	U	2.03	4.40	6.92	U				

Table 2

**NMED/DOE-OB/Sandia Oversight Office
FFY 2007 Technical Area-V Groundwater Monitoring
Radiological Results**

Sample ID	Collection Date	GROSS ALPHA					GROSS BETA			
		Result (pCi/L)	UNC +/-	MDA	Lab Qual	EPA MCL	Result (pCi/L)	UNC +/-	MDA	Lab Qual
TAV-MW3-06.06.07	6/6/2007	5.892	2.146	2.187		15	5.234	1.767	1.935	
TAV-MW9-06.07.07	6/7/2007	6.847	2.669	3.017		15	2.271	1.712	2.649	U
TAV-MW7-06.08.07	6/8/2007	8.038	2.327	1.612		15	6.696	1.691	0.8	
TAV-MW2-06.11.07	6/11/2007	14.837	4.221	2.723		15	4.622	1.618	1.792	
TAV-MW4-06.12.07	6/12/2007	2.512	0.933	0.914		15	4.117	1.128	0.829	
LWDS-MW2-06.13.07	6/13/2007	6.68	2.39	1.63		15	5.67	1.84	2.06	
TAV-MW8-06.14.07	6/14/2007	7.90	2.64	1.56		15	6.10	2.07	2.53	
TAV-MW6-06.15.07	6/15/2007	9.09	3.87	2.57		15	4.14	1.81	2.38	
TAV-AVN-1-06.18.07	6/18/2007	4.70	1.89	2.04		15	6.58	1.96	2.31	
TAV-MW5-06.19.07	6/19/2007	6.67	2.19	1.95		15	5.78	1.76	2.05	
LWDS-MW1-06.21.07	6/21/2007	6.32	2.02	1.36		15	5.01	1.57	1.83	

Notes
a - EPA Method 901.1
b- EPA Method 903.1
c -EPA Method 904.0
d - DOE EML HASL-300, U-02-RC Modified
e - Eichrom ACW-03-15

Lab Qualifiers
U- Analyte was analyzed for, but not detected above the MDA.
UI- Gamma Spectroscopy- Uncertain Identification
SI- Spectral Interference

**NMED/DOE-OB/Sandia Oversight Section
2007 Technical Area-V Groundwater Monitoring
Nitrate Plus Nitrite (NPN) Results**

Sample ID	Collection Date	Nitrate plus Nitrite (NPN)				
		Results (mg/L)	MDL (mg/L)	Lab Qual	EPA MCL (mg/L)	NM MAC (mg/L)
TAV-MW3- 06.06.07	6/6/2007	8.26	0.100		10	10
TAV-MW9-06.07.07	6/7/2007	7.01	0.100		10	10
TAV-MW3- 08.20.07	8/20/2007	5.78	0.250		10	10
TAV-MW9-08.21.07	8/21/2007	4.58	0.250		10	10
TAV-MW4-08.22.07	8/22/2007	7.65	0.250		10	10
TAV-MW5-08.23.07	8/23/2007	8.23	0.250		10	10
TAV-AVN-1-08.24.07	8/24/2007	10.1	0.250		10	10
LWDS-MW2-08.27.07	8/27/2007	8.13	0.250		10	10
TAV-MW6-08.28.07	8/28/2007	10.2	0.250		10	10
LWDS-MW1-08.30.07	8/30/2007	13.1	0.250		10	10
TAV-MW7-09.04.07	9/4/2007	4.51	0.100		10	10
TAV-MW1-09.05.07	9/5/2007	7.07	0.050		10	10
TAV-MW2-09.06.07	9/6/2007	2.75	0.050		10	10
TAV-MW8-09.07.07	9/7/2007	5.11	0.050		10	10

Table 3

**NMED/DOE-OB/Sandia Oversight Section
FFY 2007 Technical Area-V Groundwater Monitoring
TCE Results**

Sample ID	Collection Date	Trichloroethene (TCE)			
		Result (ug/L)	MDL	Lab Flag	EPA MCL
TAV-MW8-11.14.06	11/14/2006	1.1	0.16		5
TAV-MW8-06.14.07	6/14/2007	1.38	0.39		5
TAV-MW6-06.15.07	6/15/2007	7.2	0.39		5
LWDS-MW1-06.21.07	6/21/2007	13.5	0.16		5
TAV-MW1-06.22.07	6/22/2007	4	0.16		5
TAV-MW6-08.28.07	8/28/2007	8.3	0.15		5
LWDS-MW1-08.30.07	8/30/2007	14	0.15		5
TAV-MW1-09.05.07	9/5/2007	4.5	0.39		5
TAV-MW8-09.07.07	9/7/2007	1.5	0.39		5

Table 4