



NEW MEXICO
ENVIRONMENT DEPARTMENT



DOE Oversight Bureau

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January 14, 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 Tijeras Arroyo Groundwater Monitoring at Sandia National Laboratories

Dear Dr. Dye

The DOE Oversight Bureau of the New Mexico Environment Department has compiled the Bureau's groundwater data from FFY2007. During the 3rd and 4th quarters, the Oversight Bureau collected a total of 22 split groundwater samples with Sandia National Laboratories, New Mexico (SNL/NM) staff from 14 Tijeras Arroyo Groundwater (TAG) monitoring wells. Our samples were submitted to Pinnacle Laboratories for organics, radiologicals, 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 (WQQC) (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 the Bureau's metal results to applicable MAC's and MCL's. Samples were analyzed for total and dissolved Target Analyte List (TAL) metals. The groundwater standards for metals analyses of the NMWQQC are based on dissolved concentrations, excluding mercury which is analyzed as a total. Column 3 in Table-1 indicates if the sample was taken as a total (Unfiltered-UF) or as a dissolved (Filtered-F). The analysis of the water sample collected from TA-1-W-08 on July 30th yielded an iron concentration 1.6 mg/L, which exceeds the MAC of 1.0 mg/L. The sample collected from TA-1-W-08 was filtered before it was analyzed.

Table-2 displays the Bureau's radiological results performed during the 3rd and 4th quarters. Analyses were performed for Gamma Spectroscopy, Gross Alpha/Beta and Isotopic Uranium (U-233/234, U-235/236, and U-238. Gamma spectroscopy analysis was performed using EPA

method 901.1, Gross alpha/beta analysis was performed using EPA method 900.0, and Isotopic Uranium analysis was performed using method DOE EML HASL-300, U-02-RC Modified.

Gamma Spectroscopy analysis did not detect any isotopes above the associated Minimum Detectable Activity (MDA). Uncorrected gross alpha activities were all below the MCL of 15pCi/L. Uranium 233/234 was detected above the MDA at monitoring wells TA2-W-26, WYO-4, TJA-2,-4,-7, and TA2-W-19. Values ranged from 0.651-1.50 pCi/L. Uranium-238 was also detected above the MDA at monitoring wells TA2-W-26, TJA-2,-4, -7, and TA2-W-19. Values ranged from 0.391-1.09 pCi/L.

Table-3 displays the Bureau's non-metal inorganic compound results for the 3rd and 4th quarters. Inorganic chemical analyses were performed for NPN (reported as nitrogen) and perchlorate. Nitrate concentrations exceeded the MCL and MAC of 10 mg/L in five wells: TJA-2, TJA-4, TJA-7 TA2-W-19 and TA2-SW1-320. The exceeded concentrations ranged from 14.3 mg/L at TJA-2 to 41.7 mg/L at TJA-4. The nitrate concentration at TJA-4 during the 3rd quarter was nearly four times the recommended standard. However, when TJA-4 was re-analyzed during the 4th quarter the nitrate concentration was 25.7 mg/L. NPN was detected above standard at TJA-2 and TA2-W-19 during the 3rd quarter and slightly below during the 4th quarter. Perchlorate was detected above the MDL at monitoring well TA2-SW1-320 at 0.911 µg/L.

Table-4 compared the Bureau's organic results to applicable MAC's and MCL's. Organic analyses were performed for Diesel Range Organics (DRO), Gasoline Range Organics and Volatile Organic Compounds (VOCs). DRO and GRO analyses were all below the Method Detection Limit (MDL). TCE was detected in groundwater samples collected from several wells in the Tijeras Arroyo area. TJA-2, TA2-W-01 and TA2-W-19 were all detected for TCE, but below the MCL of 5 µg/L. Monitoring well WYO-4 had TCE concentrations at 7.0 µg/L and 5.6 µg/L collected during the 3rd and 4th quarters, respectively. During the 3rd quarter, the concentration of TCE at TA2-W-19 was 5.7 µg/L, but it was below the MCL during the 4th quarter.

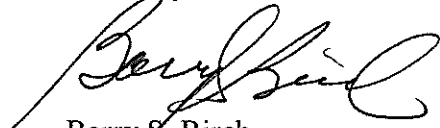
Conclusion

Iron was detected at monitoring well TA-1-W-08 for the first time at a concentration that slightly exceeds the MAC of 1.0 mg/L. NMED/DOE-OB recommends that this well be sampled for dissolved iron during the next sampling event. Nitrate concentrations exceeded the MCL of 10 mg/L in five wells. Monitoring well TJA-4 had a concentration that was four times higher than the MCL during the 3rd quarter and two times higher during the 4th quarter. Overall, analytical results are similar to previous years and should be continually sampled.

Perchlorate was detected in monitoring well TA2-SW1-320 at 0.911 µg/L. According to New Mexico's Compliance Order on Consent (COOC) to SNL/NM, perchlorate detected in groundwater at any level in any monitoring well, shall continually be monitored at frequencies to be negotiated with the Department. NMED/DOE-OB recommends that TA2-SW1-320 be sampled for perchlorate during the next sampling event. TCE was detected in samples collected from two monitoring wells at concentrations exceeding the MCL of 5 µg/L. Based on trending done by SNL/NM, TCE concentrations in these wells vary from stable to slightly increasing over time. These wells should be continually sampled and monitored for TCE.

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

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, MS1089
w/o encl: Thomas Skibitski, Bureau Chief

NMED/DOE-Oversight Bureau
 FFY07 Tijeras Arroyo Groundwater Monitoring
 TAL Metals Results

Sample ID	Date	F/UF	Aluminum					Antimony					Arsenic				
			Results (mg/L)	MDL	Lab Flag	EPA Drinking Water Standards	NM Human Health Standards	Results (mg/L)	MDL	Lab Flag	EPA Drinking Water Standards	NM Human Health Standards	Results (mg/L)	MDL	Lab Flag	EPA Drinking Water Standards	NM Human Health Standards
TA2-SW1-320-05-21.07	5/21/2007	UF	0.287	0.005		-	5	0.0017	0.0005	J	0.006	-	0.00239	0.0015	J	0.010	0.1
TA2-W-26-05.22.07	5/22/2007	UF	0.005	0.005	U	-	5	0.0005	0.0005	U	0.006	-	0.0015	0.0015	U	0.010	0.1
WYO-4-05.24.07	5/24/2007	UF	0.115	0.005		-	5	0.0005	0.0005	U	0.006	-	0.0015	0.0015	U	0.010	0.1
TJA-2-05.29.07	5/29/2007	UF	0.005	0.005	U	-	5	0.0005	0.0005	U	0.006	-	0.0015	0.0015	U	0.010	0.1
TJA-2-05.29.07 (DUP)	5/29/2007	UF	0.005	0.005	U	-	5	0.0005	0.0005	U	0.006	-	0.00176	0.0015	J	0.010	0.1
TA2-W-19-05.30.07	5/30/2007	UF	0.005	0.005	U	-	5	0.0005	0.0005	U	0.006	-	0.0015	0.0015	U	0.010	0.1
TJA-4-05.31.07	5/31/2007	UF	0.005	0.005	U	-	5	0.0005	0.0005	U	0.006	-	0.00151	0.0015	J	0.010	0.1
TJA-6-07.19.07	7/19/2007	F	0.005	0.005	U	-	5	0.0005	0.0005	U	0.006	-	0.0015	0.0015	U	0.010	0.1
TA1-W-06-07.23.07	7/23/2007	F	0.005	0.005	U	-	5	0.0005	0.0005	U	0.006	-	0.0015	0.0015	U	0.010	0.1
TJA-3-07.25.07	7/25/2007	UF	0.0086	0.005	J	-	5	0.0005	0.0005	U	0.006	-	0.0015	0.0015	U	0.010	0.1
TA2-W-01-07.26.07	7/26/2007	UF	0.173	0.005		-	5	0.0005	0.0005	U	0.006	-	0.0015	0.0015	U	0.010	0.1
TA1-W-03-07.27.07	7/27/2007	UF	0.00862	0.005	J	-	5	0.0005	0.0005	U	0.006	-	0.0015	0.0015	U	0.010	0.1
TA1-W-08-07.30.07	7/30/2007	F	0.005	0.005	U	-	5	0.0005	0.0005	U	0.006	-	0.00157	0.0015	J	0.010	0.1
TA1-W-01-07.31.07	7/31/2007	UF	0.0155	0.005		-	5	0.0006	0.0005	J	0.006	-	0.00295	0.0015	J	0.010	0.1
TA2-SW1-320-08.01.07	8/1/2007	UF	0.344	0.005		-	5	0.0005	0.0005	U	0.006	-	0.0015	0.0015	U	0.010	0.1
TA2-W-26-08.02.07	8/2/2007	UF	0.0125	0.005	J	-	5	0.0005	0.0005	U	0.006	-	0.0015	0.0015	U	0.010	0.1
WYO-4-08.06.07	8/6/2007	UF	0.0107	0.005	J	-	5	0.0005	0.0005	U	0.006	-	0.0015	0.0015	U	0.010	0.1
TJA-2-08.07.07	8/7/2007	UF	0.0134	0.005	J	-	5	0.0005	0.0005	U	0.006	-	0.0015	0.0015	U	0.010	0.1
TA2-W-19-08.08.07	8/8/2007	UF	0.008	0.005	J	-	5	0.0005	0.0005	U	0.006	-	0.00213	0.0015	J	0.010	0.1
TJA-4-08.09.07	8/9/2007	UF	0.005	0.005	U	-	5	0.0005	0.0005	U	0.006	-	0.0015	0.0015	U	0.010	0.1
TJA-7-08.10.07	8/10/2007	UF	0.016	0.005		-	5	0.0005	0.0005	U	0.006	-	0.0015	0.0015	U	0.010	0.1
TJA-7-08.10.07(DUP)	8/10/2007	UF	0.0123	0.005	J	-	5	0.0005	0.0005	U	0.006	-	0.00204	0.0015	J	0.010	0.1

J=Value is estimated.
 U= Analyte was analyzed for, but not detected above the Method Detection Limit (MDL)
 F/UF= Samples were either filtered or unfiltered.

Table 1

NMED/DOE-Oversight Bureau
FFY07 Tijeras Arroyo Groundwater Monitoring
TAL Metals Results

Sample ID	Date	F/UF	Barium					Beryllium					Cadmium				
			Results (mg/L)	MDL	Lab Flag	EPA Drinking Water Standards	NM Human Health Standards	Results (mg/L)	MDL	Lab Flag	EPA Drinking Water Standards	NM Human Health Standards	Results (mg/L)	MDL	Lab Flag	EPA Drinking Water Standards	NM Human Health Standards
TA2-SW1-320-05-21.07	5/21/2007	UF	0.21	0.0005		2	1.0	0.0001	0.0001	U	0.004	-	0.0001	0.0001	U	0.005	0.01
TA2-W-26-05.22.07	5/22/2007	UF	0.0642	0.0005		2	1.0	0.0001	0.0001	U	0.004	-	0.0001	0.0001	U	0.005	0.01
WYO-4-05.24.07	5/24/2007	UF	0.177	0.0005		2	1.0	0.0001	0.0001	U	0.004	-	0.0001	0.0001	U	0.005	0.01
TJA-2-05.29.07	5/29/2007	UF	0.0452	0.0005		2	1.0	0.0001	0.0001	U	0.004	-	0.0001	0.0001	U	0.005	0.01
TJA-2-05.29.07 (DUP)	5/29/2007	UF	0.0436	0.0005		2	1.0	0.0001	0.0001	U	0.004	-	0.0001	0.0001	U	0.005	0.01
TA2-W-19-05.30.07	5/30/2007	UF	0.0456	0.0005		2	1.0	0.0001	0.0001	U	0.004	-	0.0001	0.0001	U	0.005	0.01
TJA-4-05.31.07	5/31/2007	UF	0.175	0.0005		2	1.0	0.0001	0.0001	U	0.004	-	0.0001	0.0001	U	0.005	0.01
TJA-6-07.19.07	7/19/2007	F	0.0665	0.0005		2	1.0	0.0001	0.0001	U	0.004	-	0.00011	0.00011	U	0.005	0.01
TA1-W-06-07.23.07	7/23/2007	F	0.0265	0.0005		2	1.0	0.0001	0.0001	U	0.004	-	0.00011	0.00011	U	0.005	0.01
TJA-3-07.25.07	7/25/2007	UF	0.0532	0.0005		2	1.0	0.0001	0.0001	U	0.004	-	0.00011	0.00011	U	0.005	0.01
TA2-W-01-07.26.07	7/26/2007	UF	0.134	0.0005		2	1.0	0.0001	0.0001	U	0.004	-	0.00011	0.00011	U	0.005	0.01
TA1-W-03-07.27.07	7/27/2007	UF	0.0282	0.0005		2	1.0	0.0001	0.0001	U	0.004	-	0.00011	0.00011	U	0.005	0.01
TA1-W-08-07.30.07	7/30/2007	F	0.0214	0.0005		2	1.0	0.0001	0.0001	U	0.004	-	0.00011	0.00011	U	0.005	0.01
TA1-W-01-07.31.07	7/31/2007	UF	0.0462	0.0005		2	1.0	0.0001	0.0001	U	0.004	-	0.00011	0.00011	U	0.005	0.01
TA2-SW1-320-08.01.07	8/1/2007	UF	0.218	0.0005		2	1.0	0.0001	0.0001	U	0.004	-	0.00011	0.00011	U	0.005	0.01
TA2-W-26-08.02.07	8/2/2007	UF	0.0683	0.0005		2	1.0	0.0001	0.0001	U	0.004	-	0.00011	0.00011	U	0.005	0.01
WYO-4-08.06.07	8/6/2007	UF	0.156	0.0005		2	1.0	0.0001	0.0001	U	0.004	-	0.00011	0.00011	U	0.005	0.01
TJA-2-08.07.07	8/7/2007	UF	0.0417	0.0005		2	1.0	0.0001	0.0001	U	0.004	-	0.00011	0.00011	U	0.005	0.01
TA2-W-19-08.08.07	8/8/2007	UF	0.0438	0.0005		2	1.0	0.0001	0.0001	U	0.004	-	0.00011	0.00011	U	0.005	0.01
TJA-4-08.09.07	8/9/2007	UF	0.168	0.0005		2	1.0	0.0001	0.0001	U	0.004	-	0.00011	0.00011	U	0.005	0.01
TJA-7-08.10.07	8/10/2007	UF	0.214	0.0005		2	1.0	0.0001	0.0001	U	0.004	-	0.00011	0.00011	U	0.005	0.01
TJA-7 (DUP)-08.10.07	8/10/2007	UF	0.215	0.0005		2	1.0	0.0001	0.0001	U	0.004	-	0.00011	0.00011	U	0.005	0.01

J=Value is estimated.

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F/UF= Samples were either filtered or unfiltered.

NMED/DOE-Oversight Bureau
FFY07 Tijeras Arroyo Groundwater Monitoring
TAL Metals Results

Sample ID	Date	F/UF	Calcium					Chromium					Cobalt				
			Results (mg/L)	MDL	Lab Flag	EPA Drinking Water Standards	NM Human Health Standards	Results (mg/L)	MDL	Lab Flag	EPA Drinking Water Standards	NM Human Health Standards	Results (mg/L)	MDL	Lab Flag	EPA Drinking Water Standards	NM Human Health Standards
TA2-SW1-320-05-21.07	5/21/2007	UF	66.3	0.2		-	-	0.00351	0.001		0.1	0.05	0.000269	0.0001	J	-	0.05
TA2-W-26-05.22.07	5/22/2007	UF	179	0.2		-	-	0.00351	0.001		0.1	0.05	0.000327	0.0001	J	-	0.05
WYO-4-05.24.07	5/24/2007	UF	85.2	0.1		-	-	0.00224	0.001	J	0.1	0.05	0.000304	0.0001	J	-	0.05
TJA-2-05.29.07	5/29/2007	UF	82.5	0.2		-	-	0.00216	0.001	J	0.1	0.05	0.000187	0.0001	J	-	0.05
TJA-2-05.29.07 (DUP)	5/29/2007	UF	77.5	0.2		-	-	0.00151	0.001	J	0.1	0.05	0.00015	0.0001	J	-	0.05
TA2-W-19-05.30.07	5/30/2007	UF	80.6	0.2		-	-	0.00185	0.001	J	0.1	0.05	0.000159	0.0001	J	-	0.05
TJA-4-05.31.07	5/31/2007	UF	67.5	0.2		-	-	0.00161	0.001	J	0.1	0.05	0.000113	0.0001	J	-	0.05
TJA-6-07.19.07	7/19/2007	F	61.8	0.1		-	-	0.001	0.001	U	0.1	0.05	0.000138	0.0001	J	-	0.05
TA1-W-06-07.23.07	7/23/2007	F	117	0.1		-	-	0.00174	0.001	J	0.1	0.05	0.000253	0.0001	J	-	0.05
TJA-3-07.25.07	7/25/2007	UF	70.1	0.1		-	-	0.00101	0.001	J	0.1	0.05	0.000151	0.0001	J	-	0.05
TA2-W-01-07.26.07	7/26/2007	UF	88	0.1		-	-	0.001	0.001	U	0.1	0.05	0.000268	0.0001	J	-	0.05
TA1-W-03-07.27.07	7/27/2007	UF	290	0.2		-	-	0.00129	0.001	J	0.1	0.05	0.000612	0.0001	J	-	0.05
TA1-W-08-07.30.07	7/30/2007	F	316	0.2		-	-	0.00221	0.001	J	0.1	0.05	0.00078	0.0001	J	-	0.05
TA1-W-01-07.31.07	7/31/2007	UF	67.9	0.2		-	-	0.0044	0.001		0.1	0.05	0.000187	0.0001	J	-	0.05
TA2-SW1-320-08.01.07	8/1/2007	UF	64.2	0.1		-	-	0.00157	0.001	J	0.1	0.05	0.000232	0.0001	J	-	0.05
TA2-W-26-08.02.07	8/2/2007	UF	174	0.1		-	-	0.00138	0.001	J	0.1	0.05	0.000364	0.0001	J	-	0.05
WYO-4-08.06.07	8/6/2007	UF	90.1	0.1		-	-	0.001	0.001	U	0.1	0.05	0.000205	0.0001	J	-	0.05
TJA-2-08.07.07	8/7/2007	UF	86.3	0.1		-	-	0.001	0.001	U	0.1	0.05	0.000162	0.0001	J	-	0.05
TA2-W-19-08.08.07	8/8/2007	UF	86.1	0.1		-	-	0.001	0.001	U	0.1	0.05	0.000158	0.0001	J	-	0.05
TJA-4-08.09.07	8/9/2007	UF	70.3	0.1		-	-	0.0011	0.001	J	0.1	0.05	0.000134	0.0001	J	-	0.05
TJA-7-08.10.07	8/10/2007	UF	72.8	0.1		-	-	0.001	0.001	U	0.1	0.05	0.00041	0.0001	J	-	0.05
TJA-7-08.10.07(DUP)	8/10/2007	UF	73.5	0.1		-	-	0.001	0.001	U	0.1	0.05	0.000406	0.0001	J	-	0.05

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F/UF= Samples were either filtered or unfiltered.

NMED/DOE-Oversight Bureau
FFY07 Tijeras Arroyo Groundwater Monitoring
TAL Metals Results

Sample ID	Date	F/UF	Copper					Iron					Lead				
			Results (mg/L)	MDL	Lab Flag	EPA Drinking Water Standards	NM Human Health Standards	Results (mg/L)	MDL	Lab Flag	EPA Drinking Water Standards	NM Human Health Standards	Results (mg/L)	MDL	Lab Flag	EPA Drinking Water Standards	NM Human Health Standards
TA2-SW1-320-05-21.07	5/21/2007	UF	0.000791	0.0002	J	1.3	1.0	0.473	0.01		-	1.0	0.000548	0.0005	J	0.015	0.05
TA2-W-26-05.22.07	5/22/2007	UF	0.00217	0.0002		1.3	1.0	0.841	0.01		-	1.0	0.0005	0.0005	U	0.015	0.05
WYO-4-05.24.07	5/24/2007	UF	0.00117	0.0002		1.3	1.0	0.606	0.01		-	1.0	0.0005	0.0005	U	0.015	0.05
TJA-2-05.29.07	5/29/2007	UF	0.000928	0.0002	J	1.3	1.0	0.517	0.01		-	1.0	0.0005	0.0005	U	0.015	0.05
TJA-2-05.29.07 (DUP)	5/29/2007	UF	0.000813	0.0002	J	1.3	1.0	0.464	0.01		-	1.0	0.0005	0.0005	U	0.015	0.05
TA2-W-19-05.30.07	5/30/2007	UF	0.000919	0.0002	J	1.3	1.0	0.517	0.01		-	1.0	0.0005	0.0005	U	0.015	0.05
TJA-4-05.31.07	5/31/2007	UF	0.000518	0.0002	J	1.3	1.0	0.392	0.01		-	1.0	0.0005	0.0005	U	0.015	0.05
TJA-6-07.19.07	7/19/2007	F	0.000713	0.0002	J	1.3	1.0	0.273	0.01		-	1.0	0.0005	0.0005	U	0.015	0.05
TA1-W-06-07.23.07	7/23/2007	F	0.0013	0.0002		1.3	1.0	0.538	0.01		-	1.0	0.0005	0.0005	U	0.015	0.05
TJA-3-07.25.07	7/25/2007	UF	0.000708	0.0002	J	1.3	1.0	0.325	0.01		-	1.0	0.0005	0.0005	U	0.015	0.05
TA2-W-01-07.26.07	7/26/2007	UF	0.0012	0.0002		1.3	1.0	0.699	0.01		-	1.0	0.0005	0.0005	U	0.015	0.05
TA1-W-03-07.27.07	7/27/2007	UF	0.00246	0.0002		1.3	1.0	1.34	0.01		-	1.0	0.0005	0.0005	U	0.015	0.05
TA1-W-08-07.30.07	7/30/2007	F	0.00341	0.0002		1.3	1.0	1.6	0.01		-	1.0	0.0005	0.0005	U	0.015	0.05
TA1-W-01-07.31.07	7/31/2007	UF	0.000776	0.0002	J	1.3	1.0	0.178	0.01		-	1.0	0.0005	0.0005	U	0.015	0.05
TA2-SW1-320-08.01.07	8/1/2007	UF	0.000759	0.0002	J	1.3	1.0	0.531	0.01		-	1.0	0.0005	0.0005	U	0.015	0.05
TA2-W-26-08.02.07	8/2/2007	UF	0.00156	0.0002		1.3	1.0	0.847	0.01		-	1.0	0.0005	0.0005	U	0.015	0.05
WYO-4-08.06.07	8/6/2007	UF	0.000861	0.0002	J	1.3	1.0	0.498	0.01		-	1.0	0.0005	0.0005	U	0.015	0.05
TJA-2-08.07.07	8/7/2007	UF	0.00139	0.0002		1.3	1.0	0.509	0.01		-	1.0	0.0005	0.0005	U	0.015	0.05
TA2-W-19-08.08.07	8/8/2007	UF	0.000741	0.0002	J	1.3	1.0	0.43	0.01		-	1.0	0.0005	0.0005	U	0.015	0.05
TJA-4-08.09.07	8/9/2007	UF	0.000764	0.0002	J	1.3	1.0	0.362	0.01		-	1.0	0.0005	0.0005	U	0.015	0.05
TJA-7-08.10.07	8/10/2007	UF	0.000739	0.0002	J	1.3	1.0	0.376	0.01		-	1.0	0.0005	0.0005	U	0.015	0.05
TJA-7 (DUP)-08.10.07	8/10/2007	UF	0.000514	0.0002	J	1.3	1.0	0.37	0.01		-	1.0	0.0005	0.0005	U	0.015	0.05

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TAL Metals Results

Sample ID	Date	F/UF	Magnesium					Manganese					Mercury				
			Results (mg/L)	MDL	Lab Flag	EPA Drinking Water Standards	NM Human Health Standards	Results (mg/L)	MDL	Lab Flag	EPA Drinking Water Standards	NM Human Health Standards	Results (mg/L)	MDL	Lab Flag	EPA Drinking Water Standards	NM Human Health Standards
TA2-SW1-320-05-21.07	5/21/2007	UF	11	0.005		-	-	0.012	0.001		-	0.2	0.00006	6E-05	U	0.002	0.002
TA2-W-26-05.22.07	5/22/2007	UF	21.5	0.005		-	-	0.001	0.001	U	-	0.2	0.00006	6E-05	U	0.002	0.002
WYO-4-05.24.07	5/24/2007	UF	14.1	0.025		-	-	0.00234	0.001	J	-	0.2	0.00006	6E-05	U	0.002	0.002
TJA-2-05.29.07	5/29/2007	UF	11.3	0.005		-	-	0.001	0.001	U	-	0.2	0.00006	6E-05	U	0.002	0.002
TJA-2-05.29.07 (DUP)	5/29/2007	UF	11.5	0.005		-	-	0.001	0.001	U	-	0.2	0.00006	6E-05	U	0.002	0.002
TA2-W-19-05.30.07	5/30/2007	UF	10.9	0.005		-	-	0.001	0.001	U	-	0.2	0.00006	6E-05	U	0.002	0.002
TJA-4-05.31.07	5/31/2007	UF	12.8	0.005		-	-	0.001	0.001	U	-	0.2	0.00006	6E-05	U	0.002	0.002
TJA-6-07.19.07	7/19/2007	F	11.8	0.005		-	-	0.001	0.001	U	-	0.2	0.00003	3E-05	U	0.002	0.002
TA1-W-06-07.23.07	7/23/2007	F	15	0.005		-	-	0.001	0.001	U	-	0.2	0.00003	3E-05	U	0.002	0.002
TJA-3-07.25.07	7/25/2007	UF	11.7	0.005		-	-	0.001	0.001	U	-	0.2	0.00003	3E-05	U	0.002	0.002
TA2-W-01-07.26.07	7/26/2007	UF	11.8	0.005		-	-	0.0084	0.001		-	0.2	0.00003	3E-05	U	0.002	0.002
TA1-W-03-07.27.07	7/27/2007	UF	30.4	0.005		-	-	0.001	0.001	U	-	0.2	0.00003	3E-05	U	0.002	0.002
TA1-W-08-07.30.07	7/30/2007	F	38.5	0.005		-	-	0.001	0.001	U	-	0.2	0.00003	3E-05	U	0.002	0.002
TA1-W-01-07.31.07	7/31/2007	UF	12.1	0.05		-	-	0.001	0.001	U	-	0.2	0.00003	3E-05	U	0.002	0.002
TA2-SW1-320-08.01.07	8/1/2007	UF	11.2	0.005		-	-	0.00519	0.001		-	0.2	0.00003	3E-05	U	0.002	0.002
TA2-W-26-08.02.07	8/2/2007	UF	22.7	0.005		-	-	0.001	0.001	U	-	0.2	0.00003	3E-05	U	0.002	0.002
WYO-4-08.06.07	8/6/2007	UF	16.6	0.005		-	-	0.001	0.001	U	-	0.2	0.00003	3E-05	U	0.002	0.002
TJA-2-08.07.07	8/7/2007	UF	14.2	0.005		-	-	0.001	0.001	U	-	0.2	0.00003	3E-05	U	0.002	0.002
TA2-W-19-08.08.07	8/8/2007	UF	13.9	0.005		-	-	0.001	0.001	U	-	0.2	0.00003	3E-05	U	0.002	0.002
TJA-4-08.09.07	8/9/2007	UF	17.7	0.005		-	-	0.001	0.001	U	-	0.2	0.00003	3E-05	U	0.002	0.002
TJA-7-08.10.07	8/10/2007	UF	16.2	0.005		-	-	0.001	0.001	U	-	0.2	0.00003	3E-05	U	0.002	0.002
TJA-7-08.10.07(DUP)	8/10/2007	UF	16.5	0.005		-	-	0.001	0.001	U	-	0.2	0.00003	3E-05	U	0.002	0.002

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Sample ID	Date	F/UF	Selenium					Silver					Sodium				
			Results (mg/L)	MDL	Lab Flag	EPA Drinking Water Standards	NM Human Health Standards	Results (mg/L)	MDL	Lab Flag	EPA Drinking Water Standards	NM Human Health Standards	Results (mg/L)	MDL	Lab Flag	EPA Drinking Water Standards	NM Human Health Standards
TA2-SW1-320-05-21.07	5/21/2007	UF	0.0025	0.0025	U	0.05	0.05	0.0002	0.0002	U	-	0.05	17.1	0.08		-	-
TA2-W-26-05.22.07	5/22/2007	UF	0.0128	0.0025		0.05	0.05	0.0002	0.0002	U	-	0.05	29	0.08		-	-
WYO-4-05.24.07	5/24/2007	UF	0.00488	0.0025	J	0.05	0.05	0.0002	0.0002	U	-	0.05	18.7	0.4		-	-
TJA-2-05.29.07	5/29/2007	UF	0.00516	0.0025		0.05	0.05	0.0002	0.0002	U	-	0.05	20.8	0.08		-	-
TJA-2-05.29.07 (DUP)	5/29/2007	UF	0.00453	0.0025	J	0.05	0.05	0.0002	0.0002	U	-	0.05	21	0.08		-	-
TA2-W-19-05.30.07	5/30/2007	UF	0.00409	0.0025	J	0.05	0.05	0.0002	0.0002	U	-	0.05	21.4	0.08		-	-
TJA-4-05.31.07	5/31/2007	UF	0.00274	0.0025	J	0.05	0.05	0.0002	0.0002	U	-	0.05	22.2	0.08		-	-
TJA-6-07.19.07	7/19/2007	F	0.001	0.001	U	0.05	0.05						23.2	0.08		-	-
TA1-W-06-07.23.07	7/23/2007	F	0.00749	0.001		0.05	0.05						31.6	0.08		-	-
TJA-3-07.25.07	7/25/2007	UF	0.00111	0.001	J	0.05	0.05						24.5	0.08		-	-
TA2-W-01-07.26.07	7/26/2007	UF	0.00694	0.001		0.05	0.05						24.6	0.08		-	-
TA1-W-03-07.27.07	7/27/2007	UF	0.0311	0.001		0.05	0.05						50	0.08		-	-
TA1-W-08-07.30.07	7/30/2007	F	0.025	0.001		0.05	0.05						78.4	0.4		-	-
TA1-W-01-07.31.07	7/31/2007	UF	0.00212	0.001	J	0.05	0.05						24.5	0.08		-	-
TA2-SW1-320-08.01.07	8/1/2007	UF	0.00304	0.001	J	0.05	0.05						20.3	0.08		-	-
TA2-W-26-08.02.07	8/2/2007	UF	0.0134	0.001		0.05	0.05						36.8	0.08		-	-
WYO-4-08.06.07	8/6/2007	UF	0.00589	0.001		0.05	0.05						20.4	0.08		-	-
TJA-2-08.07.07	8/7/2007	UF	0.00479	0.001	J	0.05	0.05						21.6	0.08		-	-
TA2-W-19-08.08.07	8/8/2007	UF	0.00459	0.001	J	0.05	0.05						22.1	0.08		-	-
TJA-4-08.09.07	8/9/2007	UF	0.00262	0.001	J	0.05	0.05						24.3	0.08		-	-
TJA-7-08.10.07	8/10/2007	UF	0.00434	0.001	J	0.05	0.05						18.5	0.08		-	-
TJA-7-08.10.07(DUP)	8/10/2007	UF	0.00419	0.001	J	0.05	0.05						19	0.08		-	-

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Sample ID	Date	F/UF	Thallium					Uranium					Vanadium				
			Results (mg/L)	MDL	Lab Flag	EPA Drinking Water Standards	NM Human Health Standards	Results (mg/L)	MDL	Lab Flag	EPA Drinking Water Standards	NM Human Health Standards	Results (mg/L)	MDL	Lab Flag	EPA Drinking Water Standards	NM Human Health Standards
TA2-SW1-320-05-21.07	5/21/2007	UF	0.0004	0.0004	U	0.002	-	0.00151	0.00005		0.03	0.03	0.01	0.01	U	-	-
TA2-W-26-05.22.07	5/22/2007	UF	0.0004	0.0004	U	0.002	-	0.00129	0.00005		0.03	0.03	0.01	0.01	U	-	-
WYO-4-05.24.07	5/24/2007	UF	0.0004	0.0004	U	0.002	-	0.00143	0.00005		0.03	0.03	0.01	0.01	U	-	-
TJA-2-05.29.07	5/29/2007	UF	0.000538	0.0004	J	0.002	-	0.00131	0.00005		0.03	0.03	0.01	0.01	U	-	-
TJA-2-05.29.07 (DUP)	5/29/2007	UF	0.0004	0.0004	U	0.002	-	0.00121	0.00005		0.03	0.03	0.01	0.01	U	-	-
TA2-W-19-05.30.07	5/30/2007	UF	0.0004	0.0004	U	0.002	-	0.00118	0.00005		0.03	0.03	0.01	0.01	U	-	-
TJA-4-05.31.07	5/31/2007	UF	0.0004	0.0004	U	0.002	-	0.0026	0.00005		0.03	0.03	0.01	0.01	U	-	-
TJA-6-07.19.07	7/19/2007	F	0.0003	0.0003	U	0.002	-	0.0035	0.00005		0.03	0.03	0.0039	0.003	J	-	-
TA1-W-06-07.23.07	7/23/2007	F	0.0003	0.0003	U	0.002	-	0.00125	0.00005		0.03	0.03	0.00331	0.003	J	-	-
TJA-3-07.25.07	7/25/2007	UF	0.0003	0.0003	U	0.002	-	0.00285	0.00005		0.03	0.03	0.00392	0.003	J	-	-
TA2-W-01-07.26.07	7/26/2007	UF	0.0003	0.0003	U	0.002	-	0.00114	0.00005		0.03	0.03	0.0037	0.003	J	-	-
TA1-W-03-07.27.07	7/27/2007	UF	0.0003	0.0003	U	0.002	-	0.00141	0.00005		0.03	0.03	0.003	0.003	U	-	-
TA1-W-08-07.30.07	7/30/2007	F	0.0003	0.0003	U	0.002	-	0.00207	0.00005		0.03	0.03	0.003	0.003	U	-	-
TA1-W-01-07.31.07	7/31/2007	UF	0.000379	0.0003	J	0.002	-	0.00283	0.00005		0.03	0.03	0.003	0.003	U	-	-
TA2-SW1-320-08.01.07	8/1/2007	UF	0.0003	0.0003	U	0.002	-	0.00154	0.00005		0.03	0.03	0.00439	0.003	J	-	-
TA2-W-26-08.02.07	8/2/2007	UF	0.0003	0.0003	U	0.002	-	0.00141	0.00005		0.03	0.03	0.003	0.003	U	-	-
WYO-4-08.06.07	8/6/2007	UF	0.000631	0.0003	J	0.002	-	0.00133	0.00005		0.03	0.03	0.00494	0.003	J	-	-
TJA-2-08.07.07	8/7/2007	UF	0.0003	0.0003	U	0.002	-	0.00136	0.00005		0.03	0.03	0.00433	0.003	J	-	-
TA2-W-19-08.08.07	8/8/2007	UF	0.0003	0.0003	U	0.002	-	0.00129	0.00005		0.03	0.03	0.00542	0.003	J	-	-
TJA-4-08.09.07	8/9/2007	UF	0.0003	0.0003	U	0.002	-	0.0032	0.00005		0.03	0.03	0.00547	0.003	J	-	-
TJA-7-08.10.07	8/10/2007	UF	0.0003	0.0003	U	0.002	-	0.00195	0.00005		0.03	0.03	0.00714	0.003	J	-	-
TJA-7 (DUP)-08.10.07	8/10/2007	UF	0.0003	0.0003	U	0.002	-	0.00194	0.00005		0.03	0.03	0.00592	0.003	J	-	-

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Sample ID	Date	F/UF	Zinc				
			Results (mg/L)	MDL	Lab Flag	EPA Drinking Water Standards	NM Human Health Standards
TA2-SW1-320-05-21.07	5/21/2007	UF	0.0191	0.002		-	10
TA2-W-26-05.22.07	5/22/2007	UF	0.00344	0.002	J	-	10
WYO-4-05.24.07	5/24/2007	UF	0.00638	0.002	J	-	10
TJA-2-05.29.07	5/29/2007	UF	0.00843	0.002	J	-	10
TJA-2-05.29.07 (DUP)	5/29/2007	UF	0.00696	0.002	J	-	10
TA2-W-19-05.30.07	5/30/2007	UF	0.00237	0.002	J	-	10
TJA-4-05.31.07	5/31/2007	UF	0.0057	0.002	J	-	10
TJA-6-07.19.07	7/19/2007	F	0.0026	0.0026	U	-	10
TA1-W-06-07.23.07	7/23/2007	F	0.00309	0.0026	J	-	10
TJA-3-07.25.07	7/25/2007	UF	0.00344	0.0026	J	-	10
TA2-W-01-07.26.07	7/26/2007	UF	0.00293	0.0026	J	-	10
TA1-W-03-07.27.07	7/27/2007	UF	0.00419	0.0026	J	-	10
TA1-W-08-07.30.07	7/30/2007	F	0.00411	0.0026	J	-	10
TA1-W-01-07.31.07	7/31/2007	UF	0.0026	0.0026	U	-	10
TA2-SW1-320-08.01.07	8/1/2007	UF	0.00393	0.0026	J	-	10
TA2-W-26-08.02.07	8/2/2007	UF	0.00398	0.0026	J	-	10
WYO-4-08.06.07	8/6/2007	UF	0.0045	0.0026	J	-	10
TJA-2-08.07.07	8/7/2007	UF	0.0035	0.0026	J	-	10
TA2-W-19-08.08.07	8/8/2007	UF	0.0026	0.0026	U	-	10
TJA-4-08.09.07	8/9/2007	UF	0.00301	0.0026	J	-	10
TJA-7-08.10.07	8/10/2007	UF	0.0026	0.0026	U	-	10
TJA-7-08.10.07(DUP)	8/10/2007	UF	0.0026	0.0026	U	-	10

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NMED/DOE-Oversight Bureau
 FFY07 Tijeras Arroyo Groundwater Monitoring
 TAL Metals Results

Sample ID	Date	F/UF
TA2-SW1-320-05-21.07	5/21/2007	UF
TA2-W-26-05.22.07	5/22/2007	UF
WYO-4-05.24.07	5/24/2007	UF
TJA-2-05.29.07	5/29/2007	UF
TJA-2-05.29.07 (DUP)	5/29/2007	UF
TA2-W-19-05.30.07	5/30/2007	UF
TJA-4-05.31.07	5/31/2007	UF
TJA-6-07.19.07	7/19/2007	F
TA1-W-06-07.23.07	7/23/2007	F
TJA-3-07.25.07	7/25/2007	UF
TA2-W-01-07.26.07	7/26/2007	UF
TA1-W-03-07.27.07	7/27/2007	UF
TA1-W-08-07.30.07	7/30/2007	F
TA1-W-01-07.31.07	7/31/2007	UF
TA2-SW1-320-08.01.07	8/1/2007	UF
TA2-W-26-08.02.07	8/2/2007	UF
WYO-4-08.06.07	8/6/2007	UF
TJA-2-08.07.07	8/7/2007	UF
TA2-W-19-08.08.07	8/8/2007	UF
TJA-4-08.09.07	8/9/2007	UF
TJA-7-08.10.07	8/10/2007	UF
TJA-7 (DUP)-08.10.07	8/10/2007	UF

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 FFY 2007 Tijeras Arroyo Groundwater Monitoring
 Radionuclide Results

Sample ID	Date	Actinium-228				Americium 241				Antimony 124				Antimony 125			
		Result (pCi/L)	UNC +/-	MDA	Lab Flag	Result (pCi/L)	UNC +/-	MDA	Lab Flag	Result (pCi/L)	UNC +/-	MDA	Lab Flag	Result (pCi/L)	UNC +/-	MDA	Lab Flag
TJA-6-07.19.07	7/19/2007	-5.02	13.2	14.9	U	10.4	14.3	21.0	U	-8.34	6.22	8.59	U	-1.1	6.51	10.6	U
TA1-W-06-07.23.07	7/23/2007	-2.95	11.4	14.0	U	-1.33	13.1	20.2	U	-2.64	6.36	8.58	U	1.11	5.33	8.92	U
TJA-3-07.25.07	7/25/2007	2.25	17.3	17.3	U	0.0243	15.0	21.3	U	-5.46	6.53	10.1	U	-0.02	11.0	11.5	U
TA2-W-01-07.26.07	7/26/2007	-16.2	12.3	14.9	U	7.56	16.3	24.8	U	-1.4	6.22	10.3	U	-8.17	10.8	9.34	U
TA1-W-08-07.30.07	7/30/2007	7.52	16.9	16.3	U	-12.5	11.5	18.0	U	1.46	5.88	10.0	U	2.59	5.80	10.0	U
TA1-W-01-07.31.07	7/31/2007	3.18	11.9	13.6	U	-5.33	10.9	17.6	U	2.30	5.18	9.12	U	2.21	5.07	8.83	U
TA2-W-26-08.02.07	8/2/2007	-3.21	7.79	12.1	U	7.51	13.0	19.8	U	-2.85	4.30	6.38	U	-0.474	5.01	8.51	U
WYO-4-08.06.07	8/6/2007	8.01	8.05	14.8	U	-15.7	24.6	37.0	U	0.364	6.29	10.6	U	1.82	6.20	10.8	U
TJA-2-08.07.07	8/7/2007	-6.98	6.87	8.36	U	-0.454	8.66	12.6	U	0.664	4.23	6.38	U	0.261	5.07	8.37	U
TA2-W-19-08.08.07	8/8/2007	11.3	9.53	15.4	U	-6.99	14.2	22.6	U	4.19	5.83	10.9	U	3.05	6.72	11.5	U
TJA-4-08.09.07	8/9/2007	-0.104	8.21	12.8	U	4.52	13.2	23.1	U	0.00809	5.24	8.91	U	0.962	5.38	9.05	U
TJA-7-08.10.07	8/10/2007	-10.3	10.2	13.9	U	-27.5	13.8	20.4	U	0.181	5.39	9.14	U	6.80	5.73	10.3	U

U= Analyte was analyzed for, but not detected above the MDA.

UI= Gamma Spectroscopy- Uncertain identification.

^a = Gamma Spec EPA method 901.1

^b = Alpha Spec, method DOE EML HASL-300

Table 2

NMED/ DOE-Oversight Bureau
 FFY 2007 Tijeras Arroyo Groundwater Monitoring
 Radionuclide Results

Sample ID	Date	Barium 133				Barium 140				Beryllium 7				Bismuth 212			
		Result (pCi/L)	UNC +/-	MDA	Lab Flag	Result (pCi/L)	UNC +/-	MDA	Lab Flag	Result (pCi/L)	UNC +/-	MDA	Lab Flag	Result (pCi/L)	UNC +/-	MDA	Lab Flag
TJA-6-07.19.07	7/19/2007	4.20	3.46	5.24	U	8.27	29.0	50.1	U	-14.7	25.3	40.2	U	-2.32	19.8	33.3	U
TA1-W-06-07.23.07	7/23/2007	1.25	2.93	4.43	U	-2.93	20.1	34.2	U	-15	20.7	32.5	U	8.74	14.1	27.5	U
TJA-3-07.25.07	7/25/2007	-4.29	3.39	5.27	U	-11.8	22.8	36.8	U	24.0	22.9	40.1	U	-0.794	20.1	34.2	U
TAII-W-01-07.26.07	7/26/2007	-2.74	2.97	4.64	U	4.87	17.7	30.4	U	-3.08	36.1	37.2	U	13.5	18.0	31.2	U
TAI-W-08-07.30.07	7/30/2007	1.41	3.33	5.08	U	8.29	18.6	27.5	U	-19.4	20.1	31.9	U	10.2	16.9	29.8	U
TA1-W-01-07.31.07	7/31/2007	3.68	4.60	5.16	U	7.23	17.3	21.5	U	3.70	18.0	30.9	U	5.05	15.7	26.5	U
TAII-W-26-08.02.07	8/2/2007	0.300	3.82	4.74	U	0.988	11.3	19.2	U	13.5	17.3	31.1	U	4.00	14.0	23.8	U
WYO-4-08.06.07	8/6/2007	-1.59	3.31	5.26	U	-5.64	17.3	28.4	U	12.9	20.8	37.1	U	16.6	17.7	29.4	U
TJA-2-08.07.07	8/7/2007	2.82	2.59	4.14	U	-6.9	11.2	17.8	U	-12	15.5	23.4	U	-17.7	18.9	21.2	U
TAII-W-19-08.08.07	8/8/2007	-1.25	3.52	4.85	U	6.96	16.0	28.0	U	-1.27	22.5	36.7	U	15.2	16.0	29.5	U
TJA-4-08.09.07	8/9/2007	-1.04	3.27	4.30	U	-1.12	12.6	21.5	U	0.0551	19.5	32.0	U	0.290	16.6	25.1	U
TJA-7-08.10.07	8/10/2007	0.244	3.30	4.74	U	3.86	14.9	25.4	U	13.8	21.4	37.7	U	-10.6	22.4	29.2	U

U= Analyte was analyzed for, but not detected above the MDA.

UI= Gamma Spectroscopy- Uncertain identification.

a = Gamma Spec EPA method 901.1

b = Alpha Spec, method DOE EML HASL-300

Table 2

NMED/ DOE-Oversight Bureau
 FFY 2007 Tijeras Arroyo Groundwater Monitoring
 Radionuclide Results

Sample ID	Date	Bismuth 214				Cerium 139				Cerium 141				Cerium 144			
		Result (pCi/L)	UNC +/-	MDA	Lab Flag	Result (pCi/L)	UNC +/-	MDA	Lab Flag	Result (pCi/L)	UNC +/-	MDA	Lab Flag	Result (pCi/L)	UNC +/-	MDA	Lab Flag
TJA-6-07.19.07	7/19/2007	-6.73	10.5	9.21	U	-0.249	2.14	3.61	U	-1.51	7.47	9.05	U	-7.99	15.9	24.2	U
TA1-W-06-07.23.07	7/23/2007	-6.2	7.51	8.16	U	-3.08	1.90	2.93	U	0.00	7.63	6.92	UI	-15.6	12.8	20.2	U
TJA-3-07.25.07	7/25/2007	7.50	11.0	9.66	U	-0.268	2.26	3.69	U	3.25	6.15	8.24	U	-2.66	15.2	25.1	U
TA2-W-01-07.26.07	7/26/2007	7.20	9.71	8.76	U	-0.61	2.06	3.49	U	-1.53	7.08	8.17	U	0.206	14.2	24.6	U
TA1-W-08-07.30.07	7/30/2007	-7.42	6.99	8.52	U	-0.599	2.16	3.16	U	-4.33	6.67	6.85	U	-13.4	13.2	21.6	U
TA1-W-01-07.31.07	7/31/2007	5.23	8.31	8.51	U	0.165	1.84	2.76	U	0.172	5.71	5.68	U	7.59	11.4	20.0	U
TA2-W-26-08.02.07	8/2/2007	0.00	6.35	9.24	UI	0.422	1.87	3.22	U	-3.5	4.56	6.00	U	-4.34	14.2	22.3	U
WYO-4-08.06.07	8/6/2007	4.89	6.06	8.88	U	-0.226	2.27	3.82	U	0.946	4.74	8.10	U	-8.84	15.6	25.8	U
TJA-2-08.07.07	8/7/2007	0.00	5.41	6.75	UI	-0.0434	1.67	2.85	U	0.535	4.13	6.04	U	3.62	11.5	20.0	U
TA2-W-19-08.08.07	8/8/2007	6.69	7.95	10.0	U	0.559	2.31	3.97	U	-3.26	5.85	7.82	U	5.27	17.2	28.1	U
TJA-4-08.09.07	8/9/2007	7.10	8.88	9.05	U	-0.816	1.87	2.98	U	-6.46	5.11	6.65	U	5.96	14.0	22.7	U
TJA-7-08.10.07	8/10/2007	3.03	7.47	9.29	U	0.991	2.35	3.92	U	-0.832	4.67	7.65	U	-9.77	15.9	25.5	U

U= Analyte was analyzed for, but not detected above the MDA.

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Table 2

NMED/ DOE-Oversight Bureau
 FFY 2007 Tijeras Arroyo Groundwater Monitoring
 Radionuclide Results

Sample ID	Date	Cesium 134				Cesium 136				Cesium 137				Chromium 51			
		Result (pCi/L)	UNC +/-	MDA	Lab Flag	Result (pCi/L)	UNC +/-	MDA	Lab Flag	Result (pCi/L)	UNC +/-	MDA	Lab Flag	Result (pCi/L)	UNC +/-	MDA	Lab Flag
TJA-6-07.19.07	7/19/2007	-1.21	3.21	4.46	U	-2.44	10.8	17.6	U	1.35	5.05	3.88	U	-27.3	34.6	55.6	U
TA1-W-06-07.23.07	7/23/2007	-0.523	2.41	3.96	U	-2.51	8.53	14.2	U	0.797	2.09	3.63	U	21.8	26.3	44.6	U
TJA-3-07.25.07	7/25/2007	1.03	3.39	4.78	U	0.632	8.75	14.5	U	-7.74	4.90	4.38	U	-28.6	29.7	47.5	U
TAII-W-01-07.26.07	7/26/2007	-0.747	2.37	3.82	U	5.42	7.70	13.7	U	1.33	2.25	3.89	U	-3.03	27.0	44.4	U
TAI-W-08-07.30.07	7/30/2007	0.402	2.34	4.02	U	-2.42	6.22	10.0	U	0.490	3.21	3.66	U	-0.0134	22.8	39.3	U
TA1-W-01-07.31.07	7/31/2007	2.05	1.97	3.49	U	0.154	4.98	8.42	U	0.110	2.19	3.66	U	9.68	21.1	35.3	U
TAII-W-26-08.02.07	8/2/2007	0.779	1.94	3.33	U	3.88	4.18	7.79	U	0.312	2.10	3.55	U	16.1	21.2	36.6	U
WYO-4-08.06.07	8/6/2007	-1.36	2.48	3.87	U	2.01	7.23	11.1	U	1.53	2.74	4.26	U	11.1	28.0	47.4	U
TJA-2-08.07.07	8/7/2007	-1.23	1.63	2.35	U	-1.61	4.24	6.66	U	-0.229	1.59	2.66	U	31.3	26.3	31.3	U
TAII-W-19-08.08.07	8/8/2007	-0.798	2.31	3.73	U	-6.88	6.01	8.25	U	-1.89	2.96	4.27	U	2.00	25.8	43.2	U
TJA-4-08.09.07	8/9/2007	0.653	2.03	3.51	U	1.22	5.53	9.66	U	0.00	1.99	3.18	UI	2.36	20.6	35.0	U
TJA-7-08.10.07	8/10/2007	-0.824	2.19	3.56	U	-9.98	6.43	8.68	U	0.152	2.31	3.84	U	37.9	25.2	41.2	U

U= Analyte was analyzed for, but not detected above the MDA.

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Table 2

NMED/ DOE-Oversight Bureau
 FFY 2007 Tijeras Arroyo Groundwater Monitoring
 Radionuclide Results

Sample ID	Date	Cobalt 56				Cobalt 57				Cobalt 58				Cobalt 60			
		Result (pCi/L)	UNC +/-	MDA	Lab Flag	Result (pCi/L)	UNC +/-	MDA	Lab Flag	Result (pCi/L)	UNC +/-	MDA	Lab Flag	Result (pCi/L)	UNC +/-	MDA	Lab Flag
TJA-6-07.19.07	7/19/2007	1.11	2.81	4.84	U	-0.48	1.82	3.10	U	-1.04	2.77	4.54	U	0.397	2.44	4.21	U
TA1-W-06-07.23.07	7/23/2007	0.222	3.06	4.42	U	-0.294	1.66	2.76	U	-0.0148	2.75	3.96	U	0.0486	2.32	3.89	U
TJA-3-07.25.07	7/25/2007	-2.28	2.88	4.61	U	-1.21	1.93	3.16	U	0.633	2.95	4.62	U	1.46	2.73	4.74	U
TA2-W-01-07.26.07	7/26/2007	1.32	2.66	4.40	U	1.06	1.90	3.13	U	-0.553	2.64	4.15	U	-2.18	2.36	3.52	U
TA1-W-08-07.30.07	7/30/2007	-2.03	3.09	4.21	U	-1.24	1.65	2.75	U	-0.139	2.43	4.09	U	0.405	2.45	3.97	U
TA1-W-01-07.31.07	7/31/2007	-0.613	2.15	3.61	U	0.373	1.48	2.58	U	0.548	2.07	3.47	U	0.129	2.16	3.60	U
TA2-W-26-08.02.07	8/2/2007	2.04	2.03	3.78	U	-0.461	1.65	2.81	U	3.70	3.25	3.96	U	-1.01	1.85	2.79	U
WYO-4-08.06.07	8/6/2007	1.26	2.83	4.33	U	-0.263	2.10	3.55	U	-1.59	2.50	3.84	U	0.803	2.35	4.17	U
TJA-2-08.07.07	8/7/2007	-0.497	1.94	2.85	U	2.06	1.62	2.48	U	0.437	1.61	2.80	U	0.0467	1.89	2.81	U
TA2-W-19-08.08.07	8/8/2007	-0.644	2.35	3.80	U	0.336	1.98	3.41	U	0.00869	2.28	3.83	U	1.76	2.42	4.50	U
TJA-4-08.09.07	8/9/2007	0.531	2.08	3.55	U	0.308	1.64	2.76	U	0.409	1.95	3.33	U	-0.478	2.08	3.36	U
TJA-7-08.10.07	8/10/2007	1.84	2.06	3.85	U	0.556	2.12	3.57	U	0.780	2.20	3.85	U	-2.25	2.26	3.23	U

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Table 2

NMED/ DOE-Oversight Bureau
 FFY 2007 Tijeras Arroyo Groundwater Monitoring
 Radionuclide Results

Sample ID	Date	Europium 152				Europium 154				Europium 155				Iridium 192			
		Result (pCi/L)	UNC +/-	MDA	Lab Flag	Result (pCi/L)	UNC +/-	MDA	Lab Flag	Result (pCi/L)	UNC +/-	MDA	Lab Flag	Result (pCi/L)	UNC +/-	MDA	Lab Flag
TJA-6-07.19.07	7/19/2007	-1.63	6.98	11.5	U	-1.05	6.40	10.8	U	7.61	7.71	13.5	U	0.186	2.68	4.48	U
TA1-W-06-07.23.07	7/23/2007	-3.24	6.28	9.51	U	-9.07	13.1	10.2	U	-1.16	6.67	11.2	U	-0.329	2.45	3.62	U
TJA-3-07.25.07	7/25/2007	0.296	7.11	11.8	U	-3.09	7.40	12.0	U	-1.33	7.86	13.2	U	1.76	2.58	4.40	U
TAII-W-01-07.26.07	7/26/2007	-9.96	6.84	10.5	U	-3.09	7.17	11.5	U	-1.47	7.95	12.9	U	-0.101	2.39	3.95	U
TAI-W-08-07.30.07	7/30/2007	-4.25	6.25	9.77	U	-8.03	9.39	10.1	U	-1.18	9.17	12.5	U	-0.0382	2.18	3.74	U
TA1-W-01-07.31.07	7/31/2007	4.55	5.57	9.45	U	-8.03	11.7	10.3	U	-2.33	6.54	10.4	U	-0.108	2.06	3.38	U
TAII-W-26-08.02.07	8/2/2007	-5.53	5.93	9.03	U	-1.62	7.35	9.15	U	4.53	7.19	12.0	U	-1.1	2.01	3.18	U
WYO-4-08.06.07	8/6/2007	0.916	7.18	12.0	U	-6.22	7.58	11.3	U	7.06	8.83	15.6	U	-1.07	2.63	4.24	U
TJA-2-08.07.07	8/7/2007	-1.58	5.16	8.38	U	2.17	3.94	7.09	U	-1.54	7.23	10.9	U	0.414	2.07	3.08	U
TAII-W-19-08.08.07	8/8/2007	-1.42	8.00	11.2	U	4.04	6.67	12.2	U	3.81	8.17	14.3	U	0.236	2.43	4.08	U
TJA-4-08.09.07	8/9/2007	-1.29	5.83	9.66	U	-1.41	5.57	8.98	U	-4.59	7.52	12.3	U	0.519	1.94	3.34	U
TJA-7-08.10.07	8/10/2007	-0.447	8.79	10.9	U	-1.37	8.22	11.4	U	-1.64	8.48	14.1	U	0.606	2.25	3.61	U

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Table 2

NMED/ DOE-Oversight Bureau
 FFY 2007 Tijeras Arroyo Groundwater Monitoring
 Radionuclide Results

Sample ID	Date	Iron 59				Lead 210				Lead 212				Lead 214			
		Result (pCi/L)	UNC +/-	MDA	Lab Flag	Result (pCi/L)	UNC +/-	MDA	Lab Flag	Result (pCi/L)	UNC +/-	MDA	Lab Flag	Result (pCi/L)	UNC +/-	MDA	Lab Flag
TJA-6-07.19.07	7/19/2007	-5.66	6.25	9.50	U	607	374	642	U	1.31	7.11	7.64	U	-4.85	7.41	8.94	U
TA1-W-06-07.23.07	7/23/2007	3.81	6.01	9.42	U	386	430	626	U	1.00	5.74	6.78	U	3.54	6.49	7.55	U
TJA-3-07.25.07	7/25/2007	-0.692	6.01	10.1	U	0.00	741	586	UI	1.82	8.97	8.23	U	2.32	7.88	9.44	U
TA2-W-01-07.26.07	7/26/2007	-1.68	5.32	8.72	U	376	590	1010	U	4.14	7.01	7.72	U	-3.76	8.20	8.67	U
TA1-W-08-07.30.07	7/30/2007	0.160	5.08	8.43	U	358	636	489	U	3.67	6.35	7.03	U	-9.09	7.88	8.03	U
TA1-W-01-07.31.07	7/31/2007	-1.57	4.37	7.14	U	-187	297	483	U	-3.52	5.26	6.19	U	5.40	6.94	6.50	U
TA2-W-26-08.02.07	8/2/2007	4.17	4.10	6.15	U	129	334	566	U	3.71	5.39	6.60	U	-0.411	5.78	8.11	U
WYO-4-08.06.07	8/6/2007	-3.1	5.27	8.29	U	733	1010	1710	U	5.81	7.35	8.02	U	0.398	6.11	9.29	U
TJA-2-08.07.07	8/7/2007	-3.27	3.31	4.56	U	0.00	285	239	UI	1.56	4.44	6.82	U	3.95	3.77	7.20	U
TA2-W-19-08.08.07	8/8/2007	-4.74	6.41	8.20	U	-59	385	629	U	4.03	6.28	7.54	U	2.67	9.15	9.90	U
TJA-4-08.09.07	8/9/2007	2.61	4.58	8.29	U	-20.6	409	711	U	0.270	4.49	6.93	U	4.01	6.30	7.96	U
TJA-7-08.10.07	8/10/2007	0.517	4.67	8.04	U	-163	421	606	U	0.474	5.09	7.74	U	7.68	8.07	9.94	U

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Table 2

NMED/ DOE-Oversight Bureau
 FFY 2007 Tijeras Arroyo Groundwater Monitoring
 Radionuclide Results

Sample ID	Date	Manganese 54				Mercury 203				Neodymium 147				Neptunium 239			
		Result (pCi/L)	UNC +/-	MDA	Lab Flag	Result (pCi/L)	UNC +/-	MDA	Lab Flag	Result (pCi/L)	UNC +/-	MDA	Lab Flag	Result (pCi/L)	UNC +/-	MDA	Lab Flag
TJA-6-07.19.07	7/19/2007	1.97	2.31	4.08	U	-1.49	3.28	5.40	U	-62.3	99.6	116	U	-5.04	13.6	23.0	U
TA1-W-06-07.23.07	7/23/2007	1.80	2.05	3.60	U	-1.64	3.60	4.35	U	9.74	48.3	79.6	U	-8.85	12.4	20.3	U
TJA-3-07.25.07	7/25/2007	0.0877	2.46	4.15	U	-0.709	3.52	5.07	U	-1.37	57.2	82.4	U	11.0	14.4	24.5	U
TAII-W-01-07.26.07	7/26/2007	0.679	2.30	3.86	U	0.481	2.88	4.84	U	9.38	39.7	68.3	U	0.0382	14.3	23.1	U
TAI-W-08-07.30.07	7/30/2007	-1.9	2.26	3.61	U	0.758	2.56	4.24	U	-5.65	33.2	54.8	U	-5.62	12.7	21.5	U
TA1-W-01-07.31.07	7/31/2007	-0.421	2.02	3.25	U	2.61	3.78	3.75	U	8.87	29.4	49.1	U	-1.04	11.0	19.0	U
TAII-W-26-08.02.07	8/2/2007	1.27	2.14	3.30	U	-2.12	2.24	3.47	U	-26.1	24.1	36.3	U	4.60	12.3	21.5	U
WYO-4-08.06.07	8/6/2007	-1.2	3.14	3.95	U	-0.159	2.98	4.93	U	8.30	36.8	63.6	U	3.37	16.3	28.0	U
TJA-2-08.07.07	8/7/2007	-0.187	1.47	2.44	U	0.755	2.20	3.76	U	12.7	23.7	42.5	U	-7.11	11.7	18.1	U
TAII-W-19-08.08.07	8/8/2007	0.184	2.13	3.60	U	-1.18	2.85	4.65	U	15.6	32.5	57.9	U	10.2	15.2	26.8	U
TJA-4-08.09.07	8/9/2007	-0.476	1.81	2.91	U	1.10	2.35	4.12	U	1.59	27.7	45.4	U	5.60	13.1	22.4	U
TJA-7-08.10.07	8/10/2007	-2.11	2.20	3.34	U	-0.493	2.67	4.43	U	-22.1	31.3	49.2	U	-0.106	15.4	25.8	U

U= Analyte was analyzed for, but not detected above the MDA.

UI= Gamma Spectroscopy- Uncertain identification.

a = Gamma Spec EPA method 901.1

b = Alpha Spec, method DOE EML HASL-300

NMED/ DOE-Oversight Bureau
 FFY 2007 Tijeras Arroyo Groundwater Monitoring
 Radionuclide Results

Sample ID	Date	Niobium 94				Niobium 95				Potassium 40				Promethium 144			
		Result (pCi/L)	UNC +/-	MDA	Lab Flag	Result (pCi/L)	UNC +/-	MDA	Lab Flag	Result (pCi/L)	UNC +/-	MDA	Lab Flag	Result (pCi/L)	UNC +/-	MDA	Lab Flag
TJA-6-07.19.07	7/19/2007	-0.0111	2.33	3.94	U	-0.345	3.49	5.84	U	34.5	56.7	36.3	U	0.688	2.40	4.12	U
TA1-W-06-07.23.07	7/23/2007	-1.01	2.33	3.29	U	-3.61	4.86	5.14	U	11.3	52.1	36.4	U	0.514	2.18	3.72	U
TJA-3-07.25.07	7/25/2007	0.0451	2.54	4.09	U	-2.26	4.89	5.77	U	27.0	74.5	36.3	U	1.15	2.57	4.33	U
TA2-W-01-07.26.07	7/26/2007	-0.0827	2.04	3.39	U	-0.658	3.06	4.98	U	-31.9	46.4	51.8	U	2.02	2.42	3.73	U
TA1-W-08-07.30.07	7/30/2007	0.561	2.12	3.43	U	-0.274	2.63	4.44	U	1.52	46.5	39.4	U	-0.853	2.19	3.67	U
TA1-W-01-07.31.07	7/31/2007	-0.224	2.32	3.29	U	3.45	2.47	4.43	U	-9.82	35.9	49.6	U	1.12	2.24	3.62	U
TA2-W-26-08.02.07	8/2/2007	1.52	1.81	3.23	U	1.56	2.13	3.47	U	-32	28.8	37.5	U	-1.43	1.68	2.53	U
WYO-4-08.06.07	8/6/2007	0.137	2.17	3.65	U	-3.59	3.09	4.49	U	2.06	32.9	50.2	U	-0.557	2.35	3.85	U
TJA-2-08.07.07	8/7/2007	0.288	1.41	2.45	U	1.47	1.97	3.01	U	5.02	22.9	21.5	U	0.479	1.56	2.73	U
TA2-W-19-08.08.07	8/8/2007	-1.06	2.04	3.26	U	1.91	2.65	4.79	U	4.85	38.1	28.3	U	1.84	1.95	3.59	U
TJA-4-08.09.07	8/9/2007	-0.415	1.81	2.98	U	-0.311	2.80	4.21	U	-8.0	28.2	47.7	U	0.539	1.74	3.02	U
TJA-7-08.10.07	8/10/2007	-0.841	2.14	3.54	U	0.686	2.68	4.65	U	-23.2	31.4	46.5	U	0.180	2.42	3.50	U

U= Analyte was analyzed for, but not detected above the MDA.

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^a = Gamma Spec EPA method 901.1

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Table 2

NMED/ DOE-Oversight Bureau
 FFY 2007 Tijeras Arroyo Groundwater Monitoring
 Radionuclide Results

Sample ID	Date	Promethium 146				Radium 228				Ruthenium 106				Silver 110m			
		Result (pCi/L)	UNC +/-	MDA	Lab Flag	Result (pCi/L)	UNC +/-	MDA	Lab Flag	Result (pCi/L)	UNC +/-	MDA	Lab Flag	Result (pCi/L)	UNC +/-	MDA	Lab Flag
TJA-6-07.19.07	7/19/2007	-0.41	3.12	5.09	U	-5.02	13.2	14.9	U	-2.32	21.5	36.3	U	0.186	3.39	3.69	U
TA1-W-06-07.23.07	7/23/2007	-1.49	2.93	4.31	U	-2.95	11.4	14.0	U	5.39	21.6	32.5	U	-0.496	1.94	3.24	U
TJA-3-07.25.07	7/25/2007	1.39	2.95	5.11	U	2.25	17.3	17.3	U	9.91	44.0	38.4	U	-0.394	2.47	4.05	U
TAII-W-01-07.26.07	7/26/2007	0.485	2.66	4.60	U	-16.2	12.3	14.9	U	-9.78	20.7	33.8	U	-0.892	2.02	3.28	U
TAI-W-08-07.30.07	7/30/2007	3.77	4.31	4.63	U	7.52	16.9	16.3	U	-11.7	20.4	32.5	U	-1.94	2.14	3.29	U
TA1-W-01-07.31.07	7/31/2007	-0.29	2.41	4.09	U	3.18	11.9	13.6	U	-3.83	18.3	30.3	U	0.506	1.95	3.30	U
TAII-W-26-08.02.07	8/2/2007	1.05	2.26	3.99	U	-3.21	7.79	12.1	U	3.30	17.7	30.0	U	-0.534	1.87	3.03	U
WYO-4-08.06.07	8/6/2007	1.98	2.96	5.30	U	8.01	8.05	14.8	U	-2.6	20.8	34.7	U	2.50	2.34	3.84	U
TJA-2-08.07.07	8/7/2007	0.131	1.97	3.25	U	-6.98	6.87	8.36	U	2.57	14.7	25.5	U	-1.53	1.54	2.34	U
TAII-W-19-08.08.07	8/8/2007	-1.07	3.68	5.04	U	11.3	9.53	15.4	U	0.362	19.2	32.8	U	-1.18	2.11	3.38	U
TJA-4-08.09.07	8/9/2007	-3.29	2.49	3.55	U	-0.104	8.21	12.8	U	-17.5	16.9	25.7	U	2.09	1.99	3.36	U
TJA-7-08.10.07	8/10/2007	-0.968	2.91	4.82	U	-10.3	10.2	13.9	U	-2.97	20.0	32.7	U	1.74	2.14	3.79	U

U= Analyte was analyzed for, but not detected above the MDA.

UI= Gamma Spectroscopy- Uncertain identification.

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b = Alpha Spec, method DOE EML HASL-300

Table 2

NMED/ DOE-Oversight Bureau
 FFY 2007 Tijeras Arroyo Groundwater Monitoring
 Radionuclide Results

Sample ID	Date	Sodium 22				Thallium 208				Thorium 230				Thorium 234			
		Result (pCi/L)	UNC +/-	MDA	Lab Flag	Result (pCi/L)	UNC +/-	MDA	Lab Flag	Result (pCi/L)	UNC +/-	MDA	Lab Flag	Result (pCi/L)	UNC +/-	MDA	Lab Flag
TJA-6-07.19.07	7/19/2007	-0.419	2.30	3.86	U	1.16	3.73	4.28	U	330	2300	1380	U	107	213	153	U
TA1-W-06-07.23.07	7/23/2007	-3.34	4.70	3.65	U	-0.25	3.41	4.29	U	-127	1170	1310	U	60.1	224	160	U
TJA-3-07.25.07	7/25/2007	-1.17	2.65	4.30	U	0.549	3.69	4.84	U	-21.4	945	1410	U	17.1	185	196	U
TA2-W-01-07.26.07	7/26/2007	-1.13	2.57	4.10	U	0.420	3.41	4.45	U	275	2420	1590	U	69.3	205	218	U
TA1-W-08-07.30.07	7/30/2007	-2.97	3.35	3.58	U	-0.0868	3.58	4.21	U	-942	6090	1290	U	-120	135	164	U
TA1-W-01-07.31.07	7/31/2007	-2.76	4.19	3.67	U	-3.39	3.75	3.99	U	488	744	1250	U	-28.2	147	172	U
TA2-W-26-08.02.07	8/2/2007	-0.607	2.68	3.29	U	-1.5	2.63	3.71	U	1010	6490	1200	U	70.7	143	185	U
WYO-4-08.06.07	8/6/2007	-2.26	2.70	4.04	U	0.525	3.09	4.83	U	891	6080	2090	U	131	222	309	U
TJA-2-08.07.07	8/7/2007	0.800	1.41	2.55	U	0.783	7.05	3.45	U	657	4250	963	U	-11.6	79.1	131	U
TA2-W-19-08.08.07	8/8/2007	1.41	2.38	4.37	U	-0.691	2.85	4.17	U	870	5730	1480	U	48.3	137	193	U
TJA-4-08.09.07	8/9/2007	-0.476	2.00	3.23	U	-1.95	2.78	3.83	U	1110	7160	1410	U	23.9	153	237	U
TJA-7-08.10.07	8/10/2007	-0.516	2.94	4.05	U	-3.14	2.92	4.19	U	607	3960	1550	U	-24.4	126	196	U

U= Analyte was analyzed for, but not detected above the MDA.

UI= Gamma Spectroscopy- Uncertain identification.

a = Gamma Spec EPA method 901.1

b = Alpha Spec, method DOE EML HASL-300

Table 2

NMED/ DOE-Oversight Bureau
 FFY 2007 Tijeras Arroyo Groundwater Monitoring
 Radionuclide Results

Sample ID	Date	Tin 113				Uranium 235 ^a				Uranium 238 ^a				Uranium 233/234 ^b			
		Result (pCi/L)	UNC +/-	MDA	Lab Flag	Result (pCi/L)	UNC +/-	MDA	Lab Flag	Result (pCi/L)	UNC +/-	MDA	Lab Flag	Result (pCi/L)	UNC +/-	MDA	Lab Flag
TJA-6-07.19.07	7/19/2007	-1.19	3.35	5.45	U	6.50	20.1	25.0	U	107	213	153	U				
TA1-W-06-07.23.07	7/23/2007	0.717	2.70	4.56	U	0.00	22.6	24.3	UI	60.1	224	160	U				
TJA-3-07.25.07	7/25/2007	-0.109	3.32	5.43	U	9.87	18.8	26.3	U	17.1	185	168	U				
TAII-W-01-07.26.07	7/26/2007	0.853	3.34	5.12	U	-0.55	21.1	25.6	U	69.3	205	183	U				
TAI-W-08-07.30.07	7/30/2007	-0.115	2.63	4.46	U	-20.6	23.1	22.4	U	-120	135	164	U				
TA1-W-01-07.31.07	7/31/2007	0.317	2.38	4.12	U	0.594	19.7	18.8	U	-28.2	147	172	U				
TAII-W-26-08.02.07	8/2/2007	0.892	2.35	4.14	U	2.40	16.2	22.7	U	70.7	143	155	U	0.952	0.260	0.405	
WYO-4-08.06.07	8/6/2007	0.324	3.10	5.14	U	-13	16.5	26.8	U	131	222	309	U	1.14	0.254	0.140	
TJA-2-08.07.07	8/7/2007	-0.317	2.20	3.60	U	-2.66	14.8	20.5	U	-11.6	79.1	131	U	0.651	0.221	0.438	
TAII-W-19-08.08.07	8/8/2007	-0.543	3.81	5.36	U	10.0	18.7	26.7	U	48.3	137	193	U	0.937	0.260	0.392	
TJA-4-08.09.07	8/9/2007	-1.14	2.49	3.98	U	-14	18.4	23.7	U	23.9	153	237	U	1.50	0.346	0.507	
TJA-7-08.10.07	8/10/2007	0.778	2.99	4.99	U	-14.1	18.1	27.0	U	-24.4	126	196	U	1.50	0.332	0.335	

U= Analyte was analyzed for, but not detected above the MDA.

UI= Gamma Spectroscopy- Uncertain identification.

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Table 2

NMED/ DOE-Oversight Bureau
 FFY 2007 Tijeras Arroyo Groundwater Monitoring
 Radionuclide Results

Sample ID	Date	Uranium 235/236 ^b				Uranium 238 ^b				Yttrium 88				Zinc 65			
		Result (pCi/L)	UNC +/-	MDA	Lab Flag	Result (pCi/L)	UNC +/-	MDA	Lab Flag	Result (pCi/L)	UNC +/-	MDA	Lab Flag	Result (pCi/L)	UNC +/-	MDA	Lab Flag
TJA-6-07.19.07	7/19/2007									0.133	3.07	4.73	U	0.302	4.90	8.15	U
TA1-W-06-07.23.07	7/23/2007									-1.4	2.70	4.29	U	-1.04	4.95	7.88	U
TJA-3-07.25.07	7/25/2007									0.366	2.86	4.85	U	-3.2	5.05	8.17	U
TA2-W-01-07.26.07	7/26/2007									-0.108	2.77	4.63	U	-0.831	5.63	7.99	U
TA1-W-08-07.30.07	7/30/2007									0.511	2.68	4.51	U	-4.71	5.32	8.17	U
TA1-W-01-07.31.07	7/31/2007									0.741	3.94	3.58	U	1.86	4.52	6.84	U
TA2-W-26-08.02.07	8/2/2007	-0.0358	0.0787	0.391	U	1.09	0.276	0.380		-2.52	3.31	3.97	U	2.46	3.73	6.12	U
WYO-4-08.06.07	8/6/2007	0.00	0.0638	0.173	U	0.326	0.151	0.385	U	1.44	2.96	5.30	U	-2.66	4.95	7.84	U
TJA-2-08.07.07	8/7/2007	-0.0183	0.0784	0.343	U	0.786	0.230	0.278		0.0199	1.51	2.54	U	-0.485	3.13	5.04	U
TA2-W-19-08.08.07	8/8/2007	-0.037	0.0814	0.404	U	0.391	0.169	0.362		-0.223	2.52	4.15	U	3.81	4.27	7.28	U
TJA-4-08.09.07	8/9/2007	0.0805	0.0807	0.218	U	0.654	0.223	0.410		-0.212	2.25	3.73	U	-1.53	5.32	6.92	U
TJA-7-08.10.07	8/10/2007	-0.0758	0.0875	0.497	U	0.416	0.173	0.335		-0.579	2.74	4.44	U	-2.03	4.73	7.64	U

U= Analyte was analyzed for, but not detected above the MDA.

UI= Gamma Spectroscopy- Uncertain identification.

^a = Gamma Spec EPA method 901.1

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Table 2

NMED/ DOE-Oversight Bureau
 FFY 2007 Tijeras Arroyo Groundwater Monitoring
 Radionuclide Results

Sample ID	Date	Zirconium 95				GROSS ALPHA				GROSS BETA			
		Result (pCi/L)	UNC +/-	MDA	Lab Flag	Result (pCi/L)	UNC +/-	MDA	Lab Flag	Result (pCi/L)	UNC +/-	MDA	Lab Flag
TJA-6-07.19.07	7/19/2007	2.49	4.98	8.64	U	2.80	1.50	1.89		4.10	1.57	2.11	
TA1-W-06-07.23.07	7/23/2007	-3.37	4.27	6.76	U	3.00	1.52	1.26		3.93	1.64	2.11	
TJA-3-07.25.07	7/25/2007	0.871	4.94	8.46	U	5.03	2.04	1.70		3.71	1.55	2.01	
TAII-W-01-07.26.07	7/26/2007	0.860	4.31	7.23	U	2.79	1.55	1.71		4.52	1.77	2.24	
TAI-W-08-07.30.07	7/30/2007	1.31	4.29	7.43	U	-0.219	3.00	5.36	U	3.10	3.02	4.97	U
TA1-W-01-07.31.07	7/31/2007	2.04	3.67	6.28	U	3.91	1.89	2.12		3.22	1.52	2.12	
TAII-W-26-08.02.07	8/2/2007	-0.936	3.55	5.69	U	8.82	2.35	1.63		7.52	2.36	3.07	
WYO-4-08.06.07	8/6/2007	-3.15	4.47	6.87	U	1.33	0.751	1.11		2.73	0.896	1.22	
TJA-2-08.07.07	8/7/2007	1.41	2.79	5.00	U	1.78	0.778	1.05		2.77	0.866	1.14	
TAII-W-19-08.08.07	8/8/2007	0.0222	4.06	6.84	U	2.17	0.683	0.624		0.965	0.683	1.10	U
TJA-4-08.09.07	8/9/2007	-2.65	3.37	5.08	U	3.77	0.941	0.494		5.89	1.29	1.20	
TJA-7-08.10.07	8/10/2007	-0.361	4.08	6.86	U	2.48	0.737	0.611		2.98	0.843	1.04	

U= Analyte was analyzed for, but not detected above the MDA.

UI= Gamma Spectroscopy- Uncertain identification.

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b = Alpha Spec, method DOE EML HASL-300

Table 2

NMED/DOE-Oversight Bureau
FFY07 Tijeras Arroyo Groundwater Monitoring Results
NPN and Perchlorate Results

Sample ID	Date	NPN (AS Nitrogen)					Perchlorate				
		Results (mg/L)	MDL	Lab Flag	EPA Drinking Water Standards	NM Human Health Standards	Results (ug/L)	MDL	Lab Flag	EPA Drinking Water Standards	NM Human Health Standards
TA2-SW1-320-05-21.07	5/21/2007	23.4	0.500		10	10	0.911	0.050		-	
TA2-W-26-05.22.07	5/22/2007	5.03	0.100		10	10					
WYO-4-05.24.07	5/24/2007	3.92	0.100		10	10					
TJA-2-05.29.07	5/29/2007	14.3	0.200		10	10					
TJA-2-05.29.07 (DUP)	5/29/2007	16.4	0.200		10	10					
TA2-W-19-05.30.07	5/30/2007	13.5	0.200		10	10					
TJA-4-05.31.07	5/31/2007	41.7	0.500		10	10					
TJA-7-06.01.07	6/1/2007	23.6	0.400		10	10					
TJA-6-07.19.07	7/19/2007	2.53	0.100		10	10	1.38	1.38	U	-	-
TA1-W-06-07.23.07	7/23/2007	3.24	0.100		10	10	1.38	1.38	U	-	-
TJA-3-07.25.07	7/25/2007	2.68	0.100		10	10					
TA2-W-01-07.26.07	7/26/2007	4.76	0.100		10	10					
TA1-W-03-07.27.07	7/27/2007	6.72	0.100		10	10					
TA1-W-08-07.30.07	7/30/2007	6.72	0.100		10	10					
TA1-W-01-07.31.07	7/31/2007	2.96	0.050		10	10					
TA2-SW1-320-08.01.07	8/1/2007	25.7	0.500		10	10					
TA2-W-26-08.02.07	8/2/2007	4.53	0.050		10	10					
WYO-4-08.06.07	8/6/2007	2.81	.050		10	10					
TJA-2-08.07.07	8/7/2007	9.30	.100		10	10					
TA2-W-19-08.08.07	8/8/2007	9.11	.100		10	10					
TJA-4-08.09.07	8/9/2007	25.7	0.200		10	10					
TJA-7-08.10.07	8/10/2007	22.7	0.200		10	10					
TJA-7-08.10.07 (DUP)	8/10/2007	22.6	0.200		10	10					

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

NMED/DOE-Oversight Bureau
 FFY 2007 Tijeras Arroyo Groundwater Monitoring
 Organic Compounds

Sample ID	Date	Trichloroethene (TCE)					cis-1,2- Dichloroethene				
		Results (ug/L)	MDL	Lab Flag	EPA Drinking Water Standards	NM Human Health Standards	Results (ug/L)	MDL	Lab Flag	EPA Drinking Water Standards	NM Human Health Standards
WYO-4-05.24.07	5/24/2007	7.0	1.0		5	100					
TJA-2-05.29.07	5/29/2007	3.7	1.0		5	100					
TA2-W-19-05.30.07	5/30/2007	5.7	1.0		5	100					
TA2-W-01-07.26.07	7/26/2007	1.2	1.0		5	100					
WYO-4-08.06.07	8/6/2007	5.6	1.0		5	100	1.4	1.0		70	-
TJA-2-08.07.07	8/7/2007	3.1	1.0		5	100					
TA2-W-19-08.08.07	8/8/2007	4.5	1.0		5	100					

Table 4