February 4, 2011

Mr. Edgar Ethington

Hazardous Materials & Waste Management Division
Colorado Department of Public Health and Environment
HMWM-HWC-B2
4300 Cherry Creek Drive South
Denver, Colorado 80246-1530

Re: Groundwater Monitoring 2010 Summary Report, Piñon Ridge Mill

Dear Mr. Ethington,

Please see the attached two copies of the Groundwater Monitoring 2010 Summary Report for the Piñon Ridge Project. This summary report augments the Groundwater Monitoring Summary Report dated October 2009 and subsequent addenda dated April 9 and August 10, 2010. These reports have been previously submitted to CDPHE. A data CD including this report in pdf format is attached to assist the CDPHE in posting this information to their website.

Please feel free to contact me at (303) 974-2151 if you need any additional information.

Sincerely,

Zach Rogers, P.E.
Environmental Engineer

Attachment

Cc: Phil Egidi (CDPHE), letter only
Frank Filas (Energy Fuels)

Energy Fuels, Inc.
www.energyfuels.com

44 Union Blvd., Suite 600
Lakewood, Colorado 80228
Phone: 303-974-2140
Fax: 303-974-2141

GROUNDWATER MONITORING 2010 SUMMARY REPORT
ENERGY FUELS RESOURCES CORPORATION
PIÑON RIDGE MILL
MONTROSE COUNTY, COLORADO

February 2, 2011
Rev. 0

Prepared By:

Energy Fuels Resources Corporation
44 Union Boulevard, Suite 600
Lakewood, Colorado 80228

TABLE OF CONTENTS

1.0 Introduction

The proposed Piñon Ridge Mill will be a conventional acid leach uranium and vanadium mill in western Montrose County, Colorado. A general location map of the mill site (Site) is presented on Figure 1. The Site is located in eastern Paradox Valley. The prominent geologic feature of Paradox Valley is a northwest-trending collapsed salt dome comprised of the Hermosa Formation. The only known occurrences of groundwater under and near the site are close to the contact between the Chinle and Moenkopi formations and close to the contact between the Moenkopi and Hermosa formations. In the vicinity of the Site, the Chinle and Moenkopi formations are present near Davis Mesa on the southwest side of the valley, and are truncated by the Hermosa Formation near the axis of the valley. Additional details regarding the hydrostratigraphy can be found in the Hydrogeologic Report (Golder 2009c).

Sampling and measurement of the monitoring wells and production wells located on and near the Piñon Ridge Mill site have been conducted on a quarterly basis from the fourth quarter of 2007 through the third quarter 2009. Following the third quarter 2009, the schedule for these wells was modified to an annual sampling schedule with water level measurements remaining on a quarterly schedule. In addition, off-site groundwater monitoring has been conducted from second quarter 2008 to the present. Previously submitted reports included groundwater sampling and measurement events through the second quarter of 2010. Those reports include:

- Fourth Quarter 2007 Quarterly Groundwater Monitoring Report, February 12, 2008
- First Quarter 2008 Quarterly Groundwater Monitoring Report, April 29, 2008
- Second Quarter 2008 Quarterly Groundwater Monitoring Report, November 6, 2008
- Third Quarter 2008 Quarterly Groundwater Monitoring Report, November 14, 2008
- Fourth Quarter 2008 Quarterly Groundwater Monitoring Report, March 12, 2009
- First Quarter 2009 Quarterly Groundwater Monitoring Report, June 5, 2009
- Second Quarter 2009 Quarterly Groundwater Monitoring Report, June 10, 2009
- Third Quarter 2009 Quarterly Groundwater Monitoring Report, September 25, 2009
- Groundwater Monitoring Summary Report, October 2009
- Hydrogeologic Report, rev 1, October 2009
- Groundwater Monitoring Addendum, April 9, 2010
- Groundwater Monitoring Addendum No. 2, August 10, 2010

This summary report addresses the groundwater monitoring activities conducted in 2010.

Groundwater is monitored at 17 locations on, and in the vicinity of, the Mill property. The monitoring locations include nine on-site monitoring wells, three production wells on and near the site, four off-site domestic and stock wells and one off-site spring. Refer to Figures 1 and 2 for the off-site and on-site groundwater monitoring locations, respectively. Energy Fuels Resources Corporation (Energy Fuels) has been unable to obtain permission to access the Herron Well. The remaining four off-site wells in East Paradox Valley are all included in the monitoring program.

Groundwater is currently being monitoring in accordance with the pre-operational monitoring schedule. During the current pre-operational phase, the monitoring and production wells have been monitored for groundwater levels on a quarterly basis and sampled annually; the off-site wells have been tested for productivity on a quarterly basis and sampled annually; and the off-site spring (Stone Spring) has been tested for productivity on a quarterly basis and sampled semi-annually.

2.0 Groundwater Monitoring

2.1 Groundwater Level Measurement

Groundwater level measurements were conducted quarterly at each monitoring and production well in February, May, August and November of 2010. Groundwater level measurements were conducted at the off-site Boren and BLM Wells prior to productivity testing during each calendar quarter in February/March, May, August and November. The remaining off-site wells were not measured because they are not designed to allow access for water level measurements without permanent alteration of the well. Monitoring wells MW-1 through MW-4 were reported as dry during each measurement event, although a small amount of water was detected intermittently at the base of monitoring wells MW-1, MW-3 and MW-4.

A potentiometric surface map (see Figure 2) was developed based on the November 23, 2010 water level measurements. This figure reflects the northeast to northwest flow paths of the local groundwater system and is consistent with Figure 6 of the Hydrogeologic Report (Golder 2009c), based on August 2008 groundwater level data. The approximate elevations of the BLM and Boren Wells are 5700 and 5080 feet above mean sea level (amsl) and the resulting groundwater elevations are 5540 and 5040 feet amsl, respectively. These elevations are consistent with the overall northwest groundwater flow towards the Dolores River.

Groundwater level measurement and well productivity testing field sheets from 2010 are presented in Attachment A. Refer to Table 1 and Figures 3 and 4 for groundwater level measurements collected to date. Figures 3 and 4 do not include off-site wells because accurate elevation data is not available for these wells.

Review of Figure 3 indicates that groundwater levels at the Chinle/Moenkopi monitoring and production wells have decreased by 2.93 to 4.85 feet in 2010 (i.e., since the November 25, 2009 measurement event), with the exception of monitoring well MW-5. The groundwater level at monitoring well MW-5 increased by 0.85 feet in 2010.

Figure 4 shows that water levels in monitoring wells MW-6 and MW-8B decreased by 11.49 and 39.26 feet in 2010, respectively. The largest decrease in water levels occurred between the August and November water measurement events. This is attributable to the dedicated pump in monitoring well MW-6 being left on for an extended period of time between late August and late September 2010. Evidence that

the pump was left on includes groundwater residue on and in the well cover observed during the groundwater level measurement event on November 1, 2010 and an unusually high electric service invoice for the meter that powers the well pump, covering the period of August 25 to September 22, 2010. It is unknown how the pump was turned on and off. It is suspected that the pump switch was inadvertently turned on during a power outage to the well that spanned from August 28 to September 8, 2010 and that the pump powered on when power was restored to the site. To deter future occurrences a padlock was installed on the pump switch box and power to the well was turned off at the electrical service meter as well as at the pump. The pump switch box is separate from the well cover, which has been locked since installation when not in use and, to the knowledge of Energy Fuels, remained locked during the period in question.

Monitoring well MW-9 was excluded from the graphical analysis because it is completed in a zone of very low hydraulic conductivity and the intercepted groundwater appears to be from interstitial moisture rather than from groundwater flow. In addition, the water level in monitoring well MW-9 does not appear to be static, as it has been rising slowly since it was last purged in May 2010.

2.2 Well Purging and Field Parameter Measurement

Field parameters of temperature, pH, specific conductivity, dissolved oxygen (DO) and oxidation reduction potential (ORP) were measured during purging and prior to sample collection. When possible, a flow-through cell was connected to the pump discharge tubing to measure field parameters with minimal influence from atmospheric conditions. For wells with adequate recharge rates and sufficient volumes of water for sample collection, purging continued until field measurements stabilized. Stabilization of field parameters was achieved when measurements taken over three consecutive readings at three- to five-minute intervals were within the following limits:

- Temperature ±3%
- pH ±0.1 s.u.
- Specific Conductivity ±3%
- Dissolved Oxygen ±10%
- Oxidation-Reduction Potential ±10 millivolts

These stabilization guidelines are recommended in “US EPA Region I, Low Stress (low flow) Purging and Sampling Procedure for the Collection of Ground Water Samples from monitoring Wells”, published July 30, 1996.

Purging of monitoring and production wells was conducted prior to sampling on May 10-11, 2010. Monitoring wells MW-5 and MW-9 were hand bailed to as close to dry as practical. The wells were then allowed time to recharge in an effort to sample. Monitoring well MW-6 was purged with a dedicated Grundfos pump until at least three casing volumes had been purged and field parameters (temperature, pH, specific conductance, oxidation-reduction potential, and dissolved oxygen) had stabilized. Monitoring wells MW-7 and MW-8 and production wells PW-1, PW-2 and PW-3 were micro-purged with bladder pump using low-flow methods until field parameters had stabilized. Purging of the production wells was conducted again on November 23-30 prior to the measurement of field parameters following installation of dedicated pumps in those wells.

Purging of the four off-site wells (Hurdle Well, Davis Well, BLM Well, and Boren Well) and Stone Spring was conducted during productivity testing on a quarterly basis in February/March, May/June, August/September, and November 2010. These wells and spring were purged for a minimum of 20 minutes during each event in accordance with Monitoring and Mitigation Plan for Pumping Production Wells (Golder 2009a).

2.3 Groundwater Sampling

Groundwater samples were collected from monitoring wells MW-5, MW-6, MW-7 and MW-8B, production wells PW-1, PW-2 and PW-3, Hurdle Well, Davis Well, BLM Well and Boren Well in May and June 2010. Groundwater samples were collected from Stone Spring in May and November 2010. Samples were collected after purging the well/spring until field parameters stabilized or, as was the case with monitoring well MW-5, until the well was purged dry and allowed to recharge. Monitoring well MW-9 was purged to as dry as practical in May 2010 but did not sufficiently recharge to collect a sample.

Monitoring well samples for dissolved constituents were field-filtered to 0.45 microns. All samples were placed into laboratory-prepared containers with appropriate preservatives. Duplicate samples were also collected from MW-8B, PW-3 and the

Boren Well. The containers were placed under ice in coolers and prepared for transport under chain-of-custody to ACZ Laboratories, Inc. (ACZ) in Steamboat Springs, Colorado or Energy Laboratories in Casper, Wyoming. Samples were shipped by overnight delivery to the laboratory following standard chain-of-custody procedures.

3.0 Groundwater Analytical Results

Groundwater samples from the monitoring and production wells were analyzed for:

- Dissolved metals (aluminum, arsenic, boron, copper, iron, lead, manganese, molybdenum, selenium, uranium, vanadium, and zinc by Methods E200.7 or 200.8);
- Major dissolved ions (alkalinity, carbonate, bicarbonate, calcium, chloride, fluoride, magnesium, ammonia as nitrogen, nitrate/nitrite, potassium, silica, sodium, sulfate, sulfide) by applicable methods;
- Physical properties (total dissolved solids [TDS] by Method A2540C and total suspended solids [TSS] by Method A2540B); and
- Dissolved radionuclides (gross alpha and gross beta by Method E900.0, gross alpha minus uranium and radon by Method E900.1, radium-226 by Method E903.1, radium-228 by Method E904.0, lead-210 by Method EICHROM, and thorium-230 by Method ESM 4506).

Groundwater samples from the off-site wells and Stone Spring were analyzed for:

- All parameters listed above;
- Additional dissolved metals (barium, cadmium, cesium, chromium, mercury, and nickel by Methods E200.7 or 200.8); and
- Total organic carbon (TOC) by method SM5310B.

The analysis for gross alpha minus uranium and radon by method E900.1 was added for the May/June sampling events to further characterize the source of the gross alpha in the groundwater. Split samples were taken from each well and were sent to Energy Labs for analysis using method E900.1.

A summary of the laboratory analytical results relative to CDPHE and US EPA standards is presented in Tables 2A, 2B and 2C. Copies of the laboratory analytical reports from the May/June samples were submitted with Groundwater Monitoring Addendum No. 2, dated August 10, 2010. The analytical report from the November Stone Spring Sample is included in Attachment B of this report.

4.0 Quality Assurance/Quality Control

4.1 Duplicate samples

Duplicate samples were collected from the Boren Well, PW-3, and MW-8B on May 12, June 3, and June 24, 2010, respectively. The duplicate samples were analyzed for the dissolved metals and radionuclides listed in Section 5.0, with the exception of gross alpha minus uranium and radon.

Dissolved metal results for duplicate samples typically compared favorably to the parent sample. Relative percent differences (RPDs) between the duplicate and parent samples are generally low (i.e., below 35 RPD), with the following exceptions:

- Iron results for samples collected from PW-3;
- Lead results for samples collected from MW-8B;
- Molybdenum results for samples collected from PW-3 and MW-8B; and
- Gross Alpha results for samples from the Boren Well and MW-8B.

Differences between duplicate and parent samples for dissolved metals results above were generally at or near the minimum detectable limit, where small differences in the results can lead to high RPDs. Differences between duplicate and parent samples for gross alpha results were generally higher and is attributable to the inherent nature of radionuclide decay and analysis.

4.2 Data Completeness

Data completeness is measured as a percentage of the targeted parameters for which unqualified data are obtained. The overall data completeness target for this project is 90 percent. The data completeness for each sampling event to date is summarized in Table 3.

Although the 90 percent data completeness goal was not met for some of the samples during the May and June 2010 sampling events, the overall data completeness for the project currently ranges from 94.7 to 100 percent for each of the wells and spring, meeting the overall data recovery goal for the project.

4.3 Laboratory QA/QC

A review of the ACZ Level 3 quality control indicates the instruments appeared to be functioning properly because calibration blanks and standards, method blanks, fortified blanks, control samples, spikes and spike duplicates, and sample duplicates concentrations were within the acceptable ranges per the specified methods. Where quality control samples were outside of acceptable ranges, the laboratory provided case narratives that indicated or resolved the discrepancies.

Laboratory analyses were conducted within hold times for all analyses in 2010. Sample anion-cation charge balances were within acceptable ranges, except for the Hurdle Well sample (charge balance of 7.5%) and the Davis Well sample (charge balance of 8.9%) from the May and June sampling events.

5.0 Discussion

Groundwater levels at the Chinle/Moenkopi wells (monitoring well MW-7 and production wells PW-1, PW-2 and PW-3) have decreased by 2.93 to 4.85 feet in 2010 (i.e., since the November 25, 2009 measurement event), with the exception of monitoring well MW-5. The groundwater level at monitoring well MW-5 increased by 0.85 feet in 2010.

The groundwater levels in the Hermosa/Moenkopi contact monitoring wells (MW-6 and MW-8B) decreased by 11.49 and 39.26 feet in 2010, respectively. This is attributable to the dedicated pump in monitoring well MW-6 being left on for an extended period of time between late-August and late-September 2010 as discussed in detail in Section 2.1.

The BLM Well and Boren Well showed a decrease of 0.20 and 4.15 feet, respectively, in 2010. The BLM and Boren Wells are located 2.6 miles upgradient and 5.0 miles downgradient of the mill site, respectively.

Analytical data collected in 2010 at the monitoring wells, production wells, off-site wells and Stone Spring has been generally consistent with previously collected data. As such, discussions of water quality presented in Section 5.2 of the Groundwater Monitoring Summary Report (Golder 2009b) remain relevant.

6.0 References

Energy Fuels Resources Corporation (Energy Fuels), 2009a. Fourth Quarter 2008 Groundwater Monitoring Report, Piñon Ridge Mill, Montrose County, Colorado. March 12, 2009.

Energy Fuels, 2009b. First Quarter 2009 Groundwater Monitoring Report, Piñon Ridge Mill, Montrose County, Colorado. June 5, 2009.

Energy Fuels, 2009c. Second Quarter 2009 Groundwater Monitoring Report, Piñon Ridge Mill, Montrose County, Colorado. June 10, 2009.

Energy Fuels, 2009d. Third Quarter 2009 Groundwater Monitoring Report, Piñon Ridge Mill, Montrose County, Colorado. September 25, 2009.

Energy Fuels, 2010. Groundwater Monitoring Addendum No. 2, Piñon Ridge Mill, Montrose County, Colorado. August 10, 2010.

Golder, 2009a. Technical Memorandum re: Proposed Monitoring and Mitigation Plan for Pumping Production Wells, Piñon Ridge Project, Colorado. Revised July 7, 2009.

Golder, 2009b. Groundwater Monitoring Summary Report, Piñon Ridge Project, Montrose County, Colorado. October 2009.

Golder, 2009c. Hydrogeologic Report, Piñon Ridge Project, Montrose County, Colorado. Revision 1, October 2009.

Golder, 2010. Letter report re: Groundwater Monitoring Addendum, Piñon Ridge Project, Montrose County, Colorado. April 9, 2010.

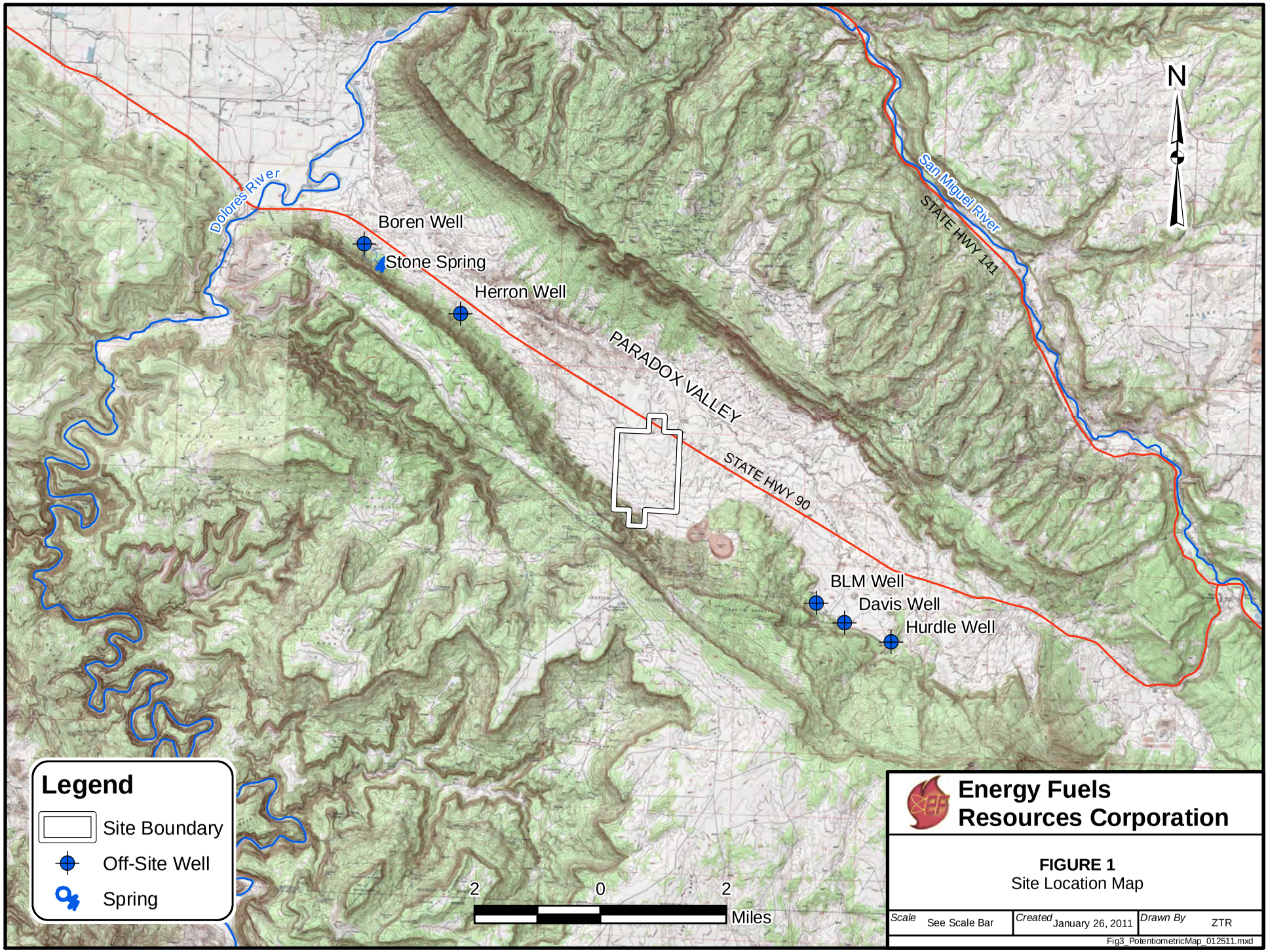
Kleinfelder West, Inc. (Kleinfelder), 2008a. Letter report re: Quarterly Groundwater Monitoring Report, Piñon Ridge Mill Site, Montrose County, Colorado. February 12, 2008.

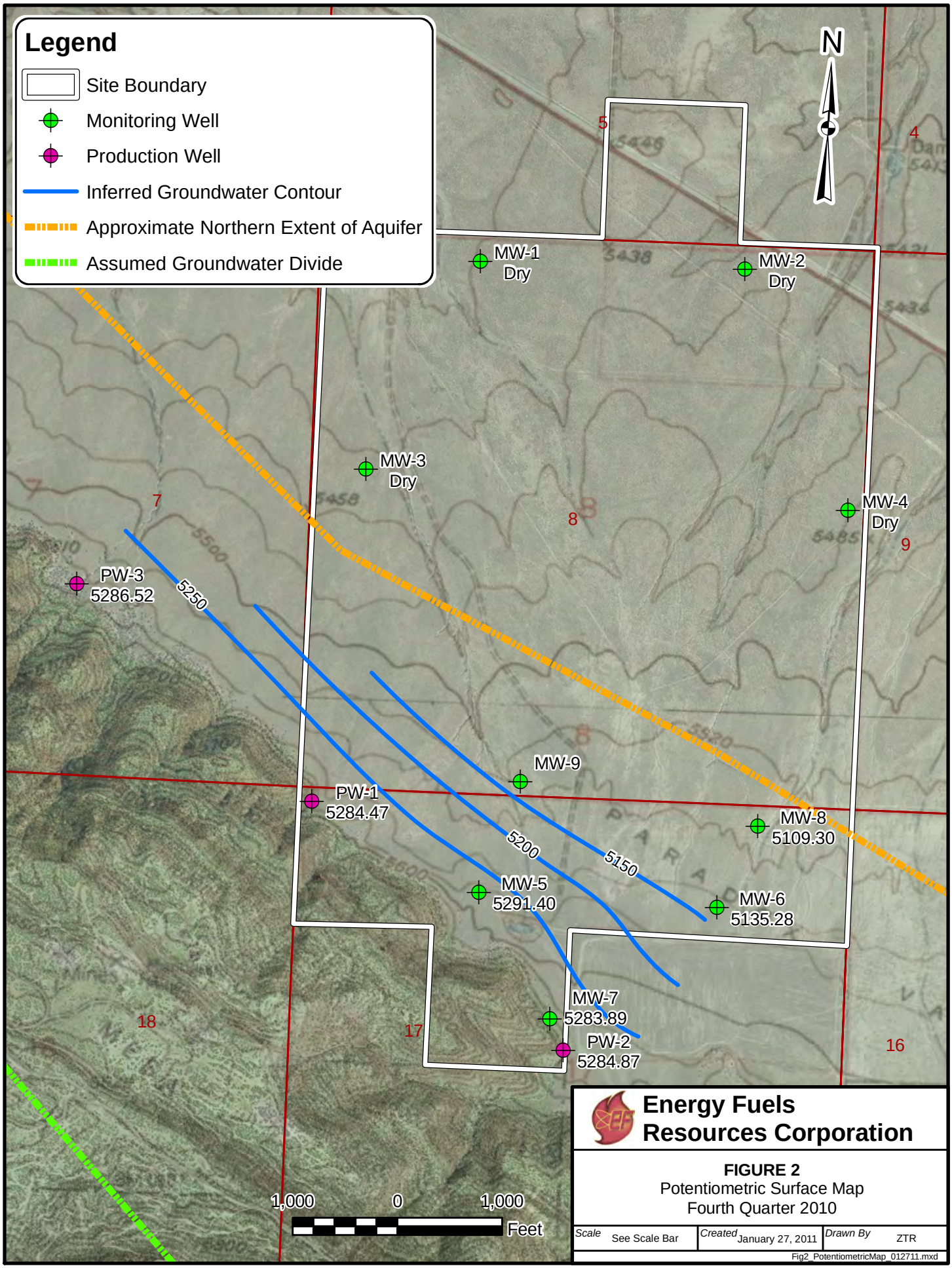
Kleinfelder, 2008b. Letter report re: Quarterly Groundwater Monitoring Report, Piñon Ridge Mill Site, Montrose County, Colorado. April 29, 2008.

Kleinfelder, 2008c. Second Quarter 2008 Groundwater Monitoring Report, Piñon Ridge Mill, Montrose County, Colorado. November 6, 2008.

Kleinfelder, 2008d. Third Quarter 2008 Groundwater Monitoring Report, Piñon Ridge Mill, Montrose County, Colorado. November 14, 2008.

FIGURES


N
Dolores River
San Miguel River
STATE HWY 141
Boren Well
Stone Spring
Herron Well
PARADOX VALLEY
STATE HWY 90
BLM Well
Davis Well
Hurdle Well
Legend
Site Boundary
Off-Site Well
Spring
2
0
2
Miles
Energy Fuels Resources Corporation
FIGURE 1
Site Location Map
Scale See Scale Bar
Created January 26, 2011
Drawn By ZTR
Fig3_PotentiometricMap_012511.mxd



Energy Fuels Resources Corporation

FIGURE 2
Potentiometric Surface Map
Fourth Quarter 2010

Scale	See Scale Bar	Created	January 27, 2011	Drawn By	ZTR

Fig2_PotentiometricMap_012711.mxd

Figure 3
Water Levels - Chinle/Moenkopi Aquifer

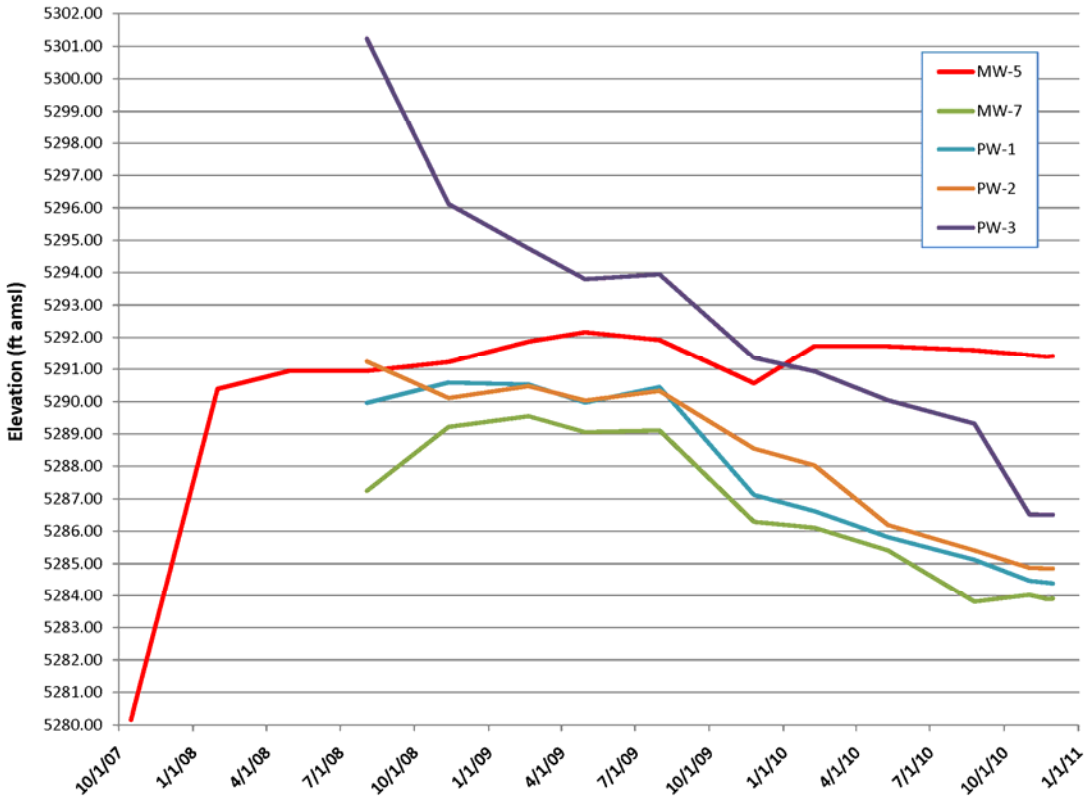
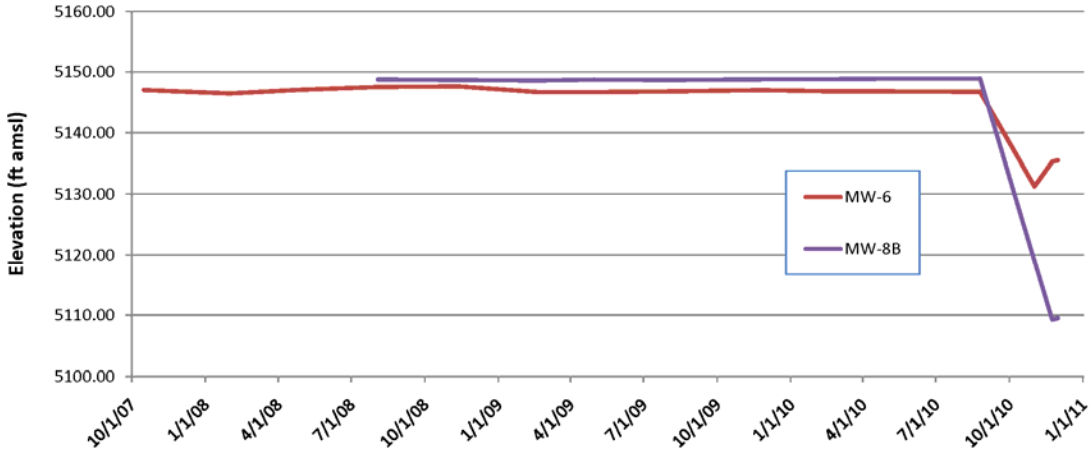


Figure 4
Water Levels - Moenkopi/Hermosa Contact



TABLES

TABLE 1
WATER LEVEL MEASUREMENTS

Well	Top of Casing Elevation (ft amsl[1])	Depth of Well[2] (ft btoc[3])	Date	Depth to Water (ft btoc[3])	Water Column Height (ft)	Groundwater Elevation (ft amsl[1])
MW-1	5423.76	32.49	10/16/07	dry	dry	dry
			1/29/08	dry	dry	dry
			4/29/08	dry	dry	dry
			8/3/08	dry	dry	dry
			11/12/08	dry	dry	dry
			2/16/09	dry	dry	dry
			4/28/09	dry	dry	dry
			7/27/09	dry	dry	dry
			11/25/09	dry	dry	dry
			2/8/10	dry	dry	dry
			5/10/10	dry	dry	dry
			8/25/10	32.49	0.00	5391.27
			11/1/10	dry	dry	dry
			11/23/10	dry	dry	dry
			11/30/10	dry	dry	dry
MW-2	5432.65	27.42	10/16/07	25.12	77.53	5407.53
			1/29/08	dry	dry	dry
			4/29/08	26.55	76.10	5406.10
			8/3/08	dry	dry	dry
			11/12/08	dry	dry	dry
			2/16/09	dry	dry	dry
			4/28/09	dry	dry	dry
			7/27/09	dry	dry	dry
			11/25/09	dry	dry	dry
			2/8/10	dry	dry	dry
			5/10/10	dry	dry	dry
			8/25/10	dry	dry	dry
			11/1/10	dry	dry	dry
			11/23/10	dry	dry	dry
			11/30/10	dry	dry	dry
MW-3	5452.29	102.65	10/16/07	99.25	3.40	5353.04
			1/29/08	dry	dry	dry
			4/29/08	dry	dry	dry
			8/3/08	100.21	2.44	5352.08
			11/12/08	100.65	2.00	5351.64
			2/16/09	dry	dry	dry
			4/28/09	dry	dry	dry
			7/27/09	dry	dry	dry
			11/27/09	dry	dry	dry
			2/8/10	dry	dry	dry
			5/10/10	dry	dry	dry
			8/25/10	dry	dry	dry
			11/1/10	102.65	0.00	5349.64
			11/23/10	102.65	0.00	5349.64
			11/30/10	102.65	0.00	5349.64

TABLE 1
WATER LEVEL MEASUREMENTS

Well	Top of Casing Elevation (ft amsl[1])	Depth of Well[2] (ft btoc[3])	Date	Depth to Water (ft btoc[3])	Water Column Height (ft)	Groundwater Elevation (ft amsl[1])
MW-4	5475.55	67.67	10/16/07	dry	dry	dry
			1/29/08	dry	dry	dry
			4/29/08	dry	dry	dry
			8/3/08	dry	dry	dry
			11/12/08	dry	dry	dry
			2/16/09	dry	dry	dry
			4/28/09	dry	dry	dry
			7/27/09	dry	dry	dry
			11/25/09	dry	dry	dry
			2/8/10	dry	dry	dry
			5/10/10	dry	dry	dry
			8/25/10	dry	dry	dry
			11/1/10	dry	dry	dry
			11/23/10	dry	dry	dry
			11/30/10	dry	dry	dry
MW-5	5572.89	302	10/16/07	292.72	9	5280.17
			1/31/08	282.50	20	5290.39
			4/29/08	281.94	20	5290.95
			8/3/08	281.94	20	5290.95
			11/12/08	281.66	20	5291.23
			2/19/09	281.02	21	5291.87
			4/30/09	280.73	21	5292.16
			7/31/09	280.97	21	5291.92
			11/25/09	282.32	20	5290.57
			2/8/10	281.16	21	5291.73
			5/10/10	281.17	21	5291.72
			8/25/10	281.29	21	5291.60
			11/1/10	281.44	21	5291.45
			11/23/10	281.49	21	5291.40
			11/30/10	281.47	21	5291.42
MW-6	5554.47	487	10/16/07	407.45	80	5147.02
			1/29/08	408.00	79	5146.47
			4/22/08	407.59	80	5146.88
			4/29/08	407.40	80	5147.07
			8/4/08	406.94	80	5147.53
			11/12/08	406.86	80	5147.61
			2/16/09	407.78	80	5146.69
			4/28/09	407.77	80	5146.70
			7/27/09	407.67	80	5146.80
			11/25/09	407.48	80	5146.99
			2/8/10	407.62	80	5146.85
			5/11/10	notes lost		
			8/25/10	407.74	80	5146.73
			11/1/10	423.21	64	5131.26
			11/23/10	419.19	68	5135.28
			11/30/10	418.97	68	5135.50

TABLE 1
WATER LEVEL MEASUREMENTS

Well	Top of Casing Elevation (ft amsl[1])	Depth of Well[2] (ft btoc[3])	Date	Depth to Water (ft btoc[3])	Water Column Height (ft)	Groundwater Elevation (ft amsl[1])
MW-7	5624.93	428	8/2/08	337.68	90	5287.25
			11/12/08	335.71	92	5289.22
			2/16/09	335.38	92	5289.55
			4/28/09	335.87	92	5289.06
			7/27/09	335.82	92	5289.11
			11/25/09	338.64	89	5286.29
			2/8/10	338.82	89	5286.11
			5/10/10	339.52	88	5285.41
			8/25/10	341.12	87	5283.81
			11/1/10	340.91	87	5284.02
			11/23/10	341.04	87	5283.89
			11/30/10	341.03	87	5283.90
MW-8B	5530.19	425	8/2/08	381.43	43	5148.76
			11/12/08	381.52	43	5148.67
			2/16/09	381.61	43	5148.58
			4/28/09	381.46	43	5148.73
			7/27/09	381.51	43	5148.68
			11/25/09	381.42	43	5148.77
			2/8/10	381.39	43	5148.80
			5/10/10	381.31	43	5148.88
			8/27/10	381.28	43	5148.91
			11/1/10	dry	dry	dry
			11/23/10	420.89	4	5109.30
			11/30/10	420.68	4	5109.51
MW-9	5527.72	424	8/2/08	406.22	18	5121.50
			11/12/08	409.58	15	5118.14
			2/16/09	413.23	11	5114.49
			4/28/09	416.47	8	5111.25
			7/27/09	416.99	7	5110.73
			11/25/09	410.08	14	5117.64
			2/8/10	405.97	18	5121.75
			5/10/10	400.84	23	5126.88
			8/25/10	415.62	9	5112.10
			11/1/10	411.89	12	5115.83
			11/23/10	411.66	13	5116.06
			11/30/10	411.58	13	5116.14
PW-1	5570.66	382	8/2/08	280.70	101	5289.96
			11/12/08	280.07	102	5290.59
			2/16/09	280.13	102	5290.53
			4/28/09	280.69	101	5289.97
			7/27/09	280.21	102	5290.45
			11/27/09	283.54	98	5287.12
			2/8/10	284.04	98	5286.62
			5/10/10	284.84	97	5285.82
			8/25/10	285.54	96	5285.12
			11/23/10	286.19	96	5284.47
			11/30/10	286.27	96	5284.39

TABLE 1
WATER LEVEL MEASUREMENTS

Well	Top of Casing Elevation (ft amsl[1])	Depth of Well[2] (ft btoc[3])	Date	Depth to Water (ft btoc[3])	Water Column Height (ft)	Groundwater Elevation (ft amsl[1])
PW-2	5622.46	422	8/2/08	331.22	90	5291.24
			11/12/08	332.35	89	5290.11
			2/16/09	331.98	90	5290.48
			4/28/09	332.43	89	5290.03
			7/27/09	332.13	90	5290.33
			11/25/09	333.91	88	5288.55
			2/8/10	334.43	87	5288.03
			5/10/10	336.27	85	5286.19
			8/25/10	337.05	85	5285.41
			11/23/10	337.59	84	5284.87
			11/30/10	337.61	84	5284.85
PW-3	5557.88	382	8/2/08	256.65	125	5301.23
			11/12/08	261.76	120	5296.12
			2/16/09	263.13	119	5294.75
			4/28/09	264.08	118	5293.80
			7/27/09	263.93	118	5293.95
			11/27/09	266.52	115	5291.36
			2/8/10	266.94	115	5290.94
			5/10/10	267.84	114	5290.04
			8/25/10	268.56	113	5289.32
			11/23/10	271.36	110	5286.52
			11/30/10	271.37	110	5286.51
BLM Well	NM	NM	7/30/09	168.68	NM	NM
			10/22/09	168.69	NM	NM
			2/11/10	168.87	NM	NM
			5/13/10	notes lost		
			8/27/10	169.01	NM	NM
			11/24/10	168.89	NM	NM
Boren Well	NM	NM	8/2/09	28.06	NM	NM
			10/21/09	28.06	NM	NM
			3/18/10	33.72	NM	NM
			5/12/10	notes lost		
			8/26/10	31.45	NM	NM
			11/29/10	32.21	NM	NM

NOTES:

The depth-to-water reading for MW-5 in October 2007 is suspect.

NM - Not Measured

1) ft amsl: feet above mean sea level

2) For MW-1 through MW-4, well depths were measured with a weighted tape. For remaining wells, well depths are approximate and were estimated from well completion information and the measured height of the PVC casing above ground surface.

3) ft btoc: feet below top of casing

TABLE 2A
ON-SITE GROUNDWATER ANALYTICAL RESULTS

Well Number		MW-5								
Sample Date		1/31/2008	4/30/2008	8/7/2008	11/14/2008	2/19/2009	4/30/2009	7/31/2009	5/11/2010	Range
Field Parameters	**Unit**									
Temperature	°C	12.4	17.7	16.3	15.8	14.5	18.8	16.9	FL	12.4 - 18.8
pH	s.u.	10.25	7.54	7.50	7.87	7.96	7.82	7.84	FL	7.50 - 10.25
Conductivity	µS/cm	2,338	1,194	1,225	1,101	1,043	1,093	1,157	FL	1043 - 2338
Dissolved Oxygen	mg/L	6.02	2.06	5.93	5.76	6.82	12.18	7.35	FL	2.06 - 12.18
ORP	mV	NR	NR	203	150	86	72	106	FL	72 - 203
General Chemistry										
Alkalinity as $CaCO_3$	mg/L	240	234	203	207	205	203	211	224	203 - 240
Carbonate as $CaCO_3$	mg/L	NA	<2	5	<2	13	<2	<2	7	<2 - 13
Bicarbonate as $CaCO_3$	mg/L	240	234	203	207	192	203	211	217	192 - 240
Chloride	mg/L	21	22	33	24	24	21	21	23	21 - 33
Fluoride	mg/L	0.4	0.5	0.6	0.6	0.5	0.7	0.5	0.5	0.4 - 0.7
Ammonia as N	mg/L	0.08	0.23	0.06	0.10	<0.05	<0.05	<0.05	0.06	<0.05 - 0.23
Nitrate/Nitrite as N	mg/L	1.09	1.20	2.51	2.17	1.96	2.26	2.31	2.40	1.09 - 2.51
Silica	mg/L	17.7	17.4	17.5	14.4	16.1	14.2	15.4	15.3	14.2 - 17.7
Sulfate	mg/L	390	370	390	370	370	360	360	390	360 - 390
Sulfide as S	mg/L	0.04	<0.02	<0.02	<0.02	<0.08	<3	<0.2	<0.02	<0.02 - <3
TOC	mg/L	12	8	NA	NA	NA	NA	NA	NA	8 - 12
TDS	mg/L	840	820	820	770	790	770	770	850	770 - 850
TSS	mg/L	120	780	NA	78	350	337	237	54	54 - 780
Dissolved Metals										
Aluminum	mg/L	0.23	<0.03	0.04	0.04	0.32	0.05	0.05	0.13	<0.03 - 0.32
Arsenic	mg/L	0.0015	0.0021	0.0025	0.0028	0.0027	0.0032	0.0017	0.0034	0.0015 - 0.0034
Barium	mg/L	0.034	0.021	NA	NA	NA	NA	NA	NA	0.021 - 0.034
Boron	mg/L	0.59	0.53	0.47	0.46	0.45	0.42	0.41	0.50	0.41 - 0.59
Cadmium	mg/L	0.0002	<0.0001	NA	NA	NA	NA	NA	NA	<0.0001 - 0.0002
Calcium	mg/L	69.8	76.6	69.1	69.5	70.2	72.0	69.5	75.8	69.1 - 76.6
Cesium	mg/L	<0.0002	<0.0002	NA	NA	NA	NA	NA	NA	<0.0002
Chromium	mg/L	<0.01	<0.01	NA	NA	NA	NA	NA	NA	<0.01
Copper	mg/L	< 0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01 - 0.01
Iron	mg/L	0.19	<0.02	<0.02	0.04	0.22	<0.02	0.06	0.05	<0.02 - 0.22
Lead	mg/L	0.0020	<0.0001	<0.0001	<0.0001	0.0006	<0.0001	0.0001	<0.0001	<0.0001 - 0.0020
Magnesium	mg/L	54.5	61.2	60	57.4	58.7	59.3	58.4	54.9	54.5 - 61.2
Manganese	mg/L	0.042	0.012	0.028	0.025	0.053	0.015	0.021	0.090	0.012 - 0.090
Mercury	mg/L	<0.0002	<0.0002	NA	NA	NA	NA	NA	NA	<0.0002
Molybdenum	mg/L	0.03	0.03	0.02	0.01	<0.01	0.02	<0.01	0.02	<0.01 - 0.03
Nickel	mg/L	<0.01	<0.01	NA	NA	NA	NA	NA	NA	<0.01
Potassium	mg/L	17.6	18.1	19.0	16.9	16.9	16.3	16.8	17.8	16.3 - 19.0
Selenium	mg/L	0.0170	0.0358	0.0200	0.0231	0.0206	0.0231	0.0207	0.0169	0.0169 - 0.0358
Sodium	mg/L	136	127	109	95.0	89.9	88.2	88.8	118	88.2 - 136
Uranium	mg/L	0.0760	0.0896	0.106	0.1100	0.1030	0.1070	0.0911	0.0975	0.0760 - 0.1100
Vanadium	mg/L	0.007	0.006	0.012	0.009	0.013	0.008	0.007	0.013	0.006 - 0.013
Zinc	mg/L	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01 - 0.02
Dissolved Radionuclides										
Gross Alpha	ρCi/L	50	65	49	49	41	44	56	58	41 - 65
Gross Alpha - U/Rn	ρCi/L	NA	NA	NA	NA	NA	NA	NA	<0.5	<0.5
Gross Beta	ρCi/L	32	41	32	30	27	24	31	31	24 - 41
Radium 226	ρCi/L	0.53	0.33	0.42	<0.35	0.3	0.37	0.34	0.3	0.3 - 0.53
Radium 228	ρCi/L	NA	NA	NA	NA	NA	NA	1.9	<1.2	<1.2 - 1.9
Lead 210	ρCi/L	NA	NA	NA	NA	NA	NA	<4.1	<3.1	<3.1 - <4.1
Thorium 230	ρCi/L	NA	NA	NA	NA	NA	NA	<0.61	<0.62	<0.61 - <0.62

TABLE 2A
ON-SITE GROUNDWATER ANALYTICAL RESULTS

Well Number		MW-6									
Sample Date		10/16/2007	1/29/2008	4/29/2008	8/7/2008	11/14/2008	2/18/2009	4/28/2009	7/28/2009	5/11/2010	Range
Field Parameters	**Unit**										
Temperature	°C	17.9	18.0	18.8	19.0	18.8	17.9	18.7	19.6	FL	17.9 - 19.6
pH	s.u.	7.69	5.27	7.01	6.86	6.95	7.07	6.85	7.08	FL	5.27 - 7.69
Conductivity	µS/cm	3,170	5,319	3,140	3,430	3,290	3,510	3,290	3,270	FL	3140 - 5319
Dissolved Oxygen	mg/L	2.62	1.47	0.02	0.06	0.14	0.11	0.24	0.11	FL	0.02 - 2.62
ORP	mV	NR	-310	-373	-361	-331	-330	-355	-354	FL	-373 - -310
General Chemistry											
Alkalinity as $CaCO_3$	mg/L	392	394	386	387	397	399	388	406	404	386 - 406
Carbonate as $CaCO_3$	mg/L	<1	<2	<2	<2	<2	<2	<2	<2	<2	<1 - <2
Bicarbonate as $CaCO_3$	mg/L	478	394	386	387	397	399	388	406	404	386 - 478
Chloride	mg/L	142	170	160	170	160	170	160	170	170	142 - 170
Fluoride	mg/L	0.3	0.3	0.4	0.4	0.4	0.3	0.4	0.3	0.4	0.3 - 0.4
Ammonia as N	mg/L	1.01	0.8	0.95	1.05	1.06	0.91	1.01	0.98	0.97	0.8 - 1.06
Nitrate/Nitrite as N	mg/L	<0.1	<0.02	<0.02	0.06	<0.02	0.03	0.02	0.05	0.05	<0.02 - <0.1
Silica	mg/L	10.3	10.7	10.7	11.4	9.8	10.0	9.5	10.7	10.0	9.5 - 11.4
Sulfate	mg/L	1330	1400	1070	1490	1460	1490	1460	1560	1490	1070 - 1560
Sulfide as S	mg/L	NA	13.4	10.3	11.9	11.5	12.4	13.2	11.6	15.9	10.3 - 15.9
TOC	mg/L	<1	NA	12	NA	NA	NA	NA	NA	NA	<1 - 12
TDS	mg/L	2400	2740	1140	2670	2750	2760	2800	2770	2800	1140 - 2800
TSS	mg/L	13.3	<5	<5	NA	13	<5	<5	<5	<5	<5 - 13.3
Dissolved Metals											
Aluminum	mg/L	<0.1	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	<0.06	0.09	<0.06 - <0.1
Arsenic	mg/L	<0.001	<0.001	0.0006	0.001	<0.01	0.002	<0.03	0.006	0.003	<0.001 - <0.03
Barium	mg/L	<0.1	NA	0.024	NA	NA	NA	NA	NA	NA	0.024 - <0.1
Boron	mg/L	2.20	2.30	2.27	2.50	2.36	2.39	2.36	2.35	2.45	2.20 - 2.50
Cadmium	mg/L	<0.005	NA	0.0001	NA	NA	NA	NA	NA	NA	0.0001 - <0.005
Calcium	mg/L	109	123	121	133	132	137	131	131	136	109 - 137
Cesium	mg/L	<0.1	NA	<0.0002	NA	NA	NA	NA	NA	NA	<0.0002 - <0.1
Chromium	mg/L	<0.005	NA	<0.01	NA	NA	NA	NA	NA	NA	<0.005 - <0.01
Copper	mg/L	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.01 - <0.02
Iron	mg/L	1.46	<0.04	<0.04	<0.04	<0.04	0.12	<0.04	<0.02	<0.04	<0.02 - 1.46
Lead	mg/L	<0.001	<0.0004	<0.0001	<0.0002	<0.002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0001 - <0.0004
Magnesium	mg/L	261	284	288	309	295	304	299	312	298	261 - 312
Manganese	mg/L	0.060	0.010	0.01	<0.01	0.020	<0.01	<0.01	0.015	0.02	0.009 - 0.06
Mercury	mg/L	<0.001	NA	<0.0002	NA	NA	NA	NA	NA	NA	<0.0002 - <0.001
Molybdenum	mg/L	<0.1	<0.02	0.030	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02 - <0.1
Nickel	mg/L	0.05	NA	<0.01	NA	NA	NA	NA	NA	NA	<0.01 - 0.05
Potassium	mg/L	91.0	98.4	95.4	105	99.7	97.2	93.0	102	97.4	91.0 - 105
Selenium	mg/L	0.003	0.0274	0.1660	0.0321	0.236	0.0478	0.0413	0.217	0.1690	0.003 - 0.236
Sodium	mg/L	172	205	190	219	208	206	190	200	212	172 - 219
Uranium	mg/L	<0.0003	<0.0002	<0.0001	<0.003	<0.002	0.0003	<0.0002	<0.0002	<0.0002	<0.0001 - <0.003
Vanadium	mg/L	<0.1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	<0.01 - 0.03
Zinc	mg/L	<0.01	<0.02	<0.01	<0.02	<0.02	<0.02	<0.02	<0.01	<0.02	<0.01 - <0.02
Dissolved Radionuclides											
Gross Alpha	ρCi/L	11.1	17.0	12	9.7	<7.3	12	<6.8	11	<8.2	<6.8 - 17.0
Gross Alpha - U/Rn	ρCi/L	NA	NA	NA	NA	NA	NA	NA	NA	2.9	2.9
Gross Beta	ρCi/L	92.8	140	91	110	99	96	81	93	100	81 - 140
Radium 226	ρCi/L	1.6	2.2	1.9	3.3	1.9	2.1	2	1.6	1.8	1.6 - 3.3
Radium 228	ρCi/L	NA	NA	NA	NA	NA	NA	NA	4.4	3.4	3.4 - 4.4
Lead 210	ρCi/L	NA	NA	NA	NA	NA	NA	NA	13	<3.5	<3.5 - 13
Thorium 230	ρCi/L	NA	NA	NA	NA	NA	NA	NA	<0.59	<0.61	<0.59 - <0.61

TABLE 2A
ON-SITE GROUNDWATER ANALYTICAL RESULTS

Well Number		MW-7								MW-8B							MW-9
Sample Date		6/7/2008	9/9/2008	11/13/2008	2/18/2009	4/29/2009	7/31/2009	5/11/2010	Range	7/21/2008	11/13/2008	2/18/2009	4/29/2009	7/29/2009	6/24/2010	Range	9/10/2008
Field Parameters	**Unit**																
Temperature	°C	18.7	15.8	15.6	14.6	15.7	19.9	FL	14.6 - 19.9	18.4	15.3	14.6	16.0	17.4	14.8	14.6 - 18.4	17.6
pH	s.u.	8.02	7.84	7.58	7.58	7.43	7.56	FL	7.43 - 8.02	6.36	6.83	6.83	6.70	6.83	6.82	6.36 - 6.83	8.23
Conductivity	µS/cm	1,064	1,276	1,253	1,338	1,289	1,290	FL	1064 - 1338	3,060	3,000	2,810	2,940	3,020	2,890	2810 - 3060	993
Dissolved Oxygen	mg/L	2.15	3.97	3.80	4.77	5.59	3.42	FL	2.15 - 5.59	6.10	0.29	0.25	0.70	0.11	0.18	0.11 - 6.10	2.12
ORP	mV	28.8	161	138	88	62	169	FL	28.8 - 169	-122.8	-154	-199	-203	-189	-203	-203 - -122.8	154
General Chemistry																	
Alkalinity as $CaCO_3$	mg/L	154	198	218	223	222	228	211	154 - 228	426	436	389	449	474	469	389 - 474	243
Carbonate as $CaCO_3$	mg/L	<2	<2	<2	4	4	<2	3	<2 - 4	<2	<2	<2	<2	<2	<2	<2	11
Bicarbonate as $CaCO_3$	mg/L	154	198	218	218	218	228	208	154 - 228	426	436	389	449	474	469	389 - 474	232
Chloride	mg/L	25	28	30	32	31	30	24	24 - 32	48	37	40	42	41	39	37 - 48	19
Fluoride	mg/L	0.7	0.6	0.6	0.5	0.5	0.5	0.3	0.3 - 0.7	0.7	0.6	0.5	0.6	0.5	0.7	0.5 - 0.7	1.0
Ammonia as N	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.06	0.12	<0.05	0.09	0.05	0.18	<0.05 - 0.18	<0.5
Nitrate/Nitrite as N	mg/L	0.61	0.85	0.72	0.77	0.75	0.69	1.18	0.61 - 1.18	0.04	<0.02	0.03	0.04	<0.02	3.22	<0.02 - 3.22	10.2
Silica	mg/L	15.8	19.7	17.5	19.3	17.4	18.3	21.0	15.8 - 21.0	11.7	17.3	18.5	20.2	16.9	16.6	11.7 - 20.2	11.8
Sulfate	mg/L	460	460	460	480	470	460	470	460 - 480	1810	1370	1450	1680	1540	1550	1370 - 1810	190
Sulfide as S	mg/L	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	1.9	0.61	0.19	0.05	0.44	<0.02	<0.02 - 1.9	0.10
TOC	mg/L	9	NA	NA	NA	NA	NA	NA	9	29	NA	NA	NA	NA	NA	29	18
TDS	mg/L	850	930	970	940	930	970	950	850 - 970	3040	2520	2560	2980	2850	2670	2520 - 3040	610
TSS	mg/L	<5	5	9	<5	<5	<5	<5	<5 - 9	833	18	<5	<5	<5	310	<5 - 833	168
Dissolved Metals																	
Aluminum	mg/L	0.05	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03 - 0.05	<0.06	<0.06	0.09	<0.03	<0.06	<0.03	<0.03 - 0.09	0.07
Arsenic	mg/L	0.0073	0.0046	0.0059	0.0062	<0.03	0.0054	0.0088	0.0046 - <0.03	0.002	<0.01	0.003	0.007	0.007	0.006	0.002 - <0.01	0.0111
Barium	mg/L	0.016	NA	NA	NA	NA	NA	NA	0.016	0.038	NA	NA	NA	NA	NA	0.038	0.044
Boron	mg/L	0.21	0.31	0.31	0.36	0.34	0.33	0.38	0.21 - 0.38	0.36	0.48	0.52	0.47	0.46	0.53	0.36 - 0.53	2.63
Cadmium	mg/L	<0.0001	NA	NA	NA	NA	NA	NA	<0.0001	<0.0002	NA	NA	NA	NA	NA	<0.0002	<0.0001
Calcium	mg/L	92.6	101	100	103	104	101	101	92.6 - 104	495	368	385	500	384	409	368 - 500	8.8
Cesium	mg/L	<0.0002	NA	NA	NA	NA	NA	NA	<0.0002	<0.0004	NA	NA	NA	NA	NA	<0.0004	<0.0002
Chromium	mg/L	0.03	NA	NA	NA	NA	NA	NA	0.03	<0.02	NA	NA	NA	NA	NA	<0.02	<0.01
Copper	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01 - 0.02	<0.02	<0.02	<0.02	<0.01	0.02	<0.01	<0.01 - 0.02	<0.01
Iron	mg/L	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.12	0.91	<0.04	1.48	1.43	1.77	<0.04 - 1.77	0.03
Lead	mg/L	0.00010	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001 - 0.00010	<0.0002	<0.002	<0.0002	<0.0002	<0.0002	0.0010	<0.0002 - <0.002	<0.0001
Magnesium	mg/L	61.0	75.0	72.9	77.0	76.0	76.0	77.6	61.0 - 77.6	230	217	228	254	218	257	217 - 257	4.8
Manganese	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.33	1.43	0.81	0.937	1.15	0.802	0.33 - 1.43	0.019
Mercury	mg/L	<0.0002	NA	NA	NA	NA	NA	NA	<0.0002	<0.0002	NA	NA	NA	NA	NA	<0.0002	<0.0002
Molybdenum	mg/L	0.03	0.01	0.01	<0.01	0.02	<0.01	0.01	<0.01 - 0.03	0.04	<0.02	<0.02	<0.01	<0.02	0.02	<0.01 - 0.04	0.06
Nickel	mg/L	<0.01	NA	NA	NA	NA	NA	NA	<0.01	<0.02	NA	NA	NA	NA	NA	<0.02	<0.01
Potassium	mg/L	18.1	16.8	16.9	16.4	15.5	16.2	16.0	15.5 - 18.1	16.7	20.8	19.7	20.3	18.2	20.2	16.7 - 20.8	12.0
Selenium	mg/L	0.0273	0.0279	0.0309	0.0280	0.0270	0.0236	0.0256	0.0236 - 0.0309	0.079	0.010	0.0007	0.0002	0.0004	<0.0002	<0.0002 - 0.079	0.0017
Sodium	mg/L	79.2	82.7	82.2	83.1	80.2	81.3	79.1	79.1 - 83.1	34.1	29.7	29.4	32.8	29.8	31.0	29.4 - 34.1	202
Uranium	mg/L	0.0775	0.1030	0.1080	0.0986	0.0952	0.0970	0.0905	0.0775 - 0.1080	0.0578	0.033	0.0861	0.0164	0.0143	0.0055	0.0055 - 0.0861	0.0245
Vanadium	mg/L	0.018	0.014	0.016	0.010	0.015	0.014	0.012	0.010 - 0.018	<0.01	<0.01	<0.01	<0.005	<0.01	<0.005	<0.005 - <0.01	0.025
Zinc	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	0.02	<0.01	<0.01 - 0.02	<0.01
Dissolved Radionuclides																	
Gross Alpha	ρCi/L	36	56	42	45	51	70	46	36 - 70	42	23	7	11	15	12	7 - 42	26
Gross Alpha - U/Rn	ρCi/L	NA	NA	NA	NA	NA	NA	<0.5	<0.5	NA	NA	NA	NA	NA	<0.8	<0.8	NA
Gross Beta	ρCi/L	34	33	40	29	33	36	31	29 - 40	23.0	24.0	23	20	22	37	20 - 37	20
Radium 226	ρCi/L	<0.35	<0.25	<0.4	<0.28	<0.17	0.17	0.3	<0.17 - <0.4	12.0	0.54	0.49	0.89	0.33	0.73	0.33 - 12.0	<0.45
Radium 228	ρCi/L	NA	NA	NA	NA	NA	<1.5	<1.3	<1.3 - <1.5	NA	NA	NA	NA	1.5	<1.5	<1.5 - 1.5	NA
Lead 210	ρCi/L	NA	NA	NA	NA	NA	<3	<3	<3	NA	NA	NA	NA	5.4	<3	<3 - 5.4	NA
Thorium 230	ρCi/L	NA	NA	NA	NA	NA	<0.59	<0.53	<0.53 - <0.59	NA	NA	NA	NA	<0.59	1.5	<0.59 - 1.5	NA

TABLE 2A
ON-SITE GROUNDWATER ANALYTICAL RESULTS

Well Number		PW-1								PW-2							
Sample Date		8/12/2008	8/13/2008	11/14/2008	2/24/2009	4/30/2009	7/30/2009	6/3/2010	Range	8/8/2008	8/11/2008	11/13/2008	2/24/2009	4/29/2009	7/31/2009	6/3/2010	Range
Field Parameters	**Unit**																
Temperature	°C	18.0	17.5	15.4	15.0	15.8	17.9	16.8	15.0 - 18.0	18.8	20.0	14.6	15.0	16.2	20.8	15.4	14.6 - 20.8
pH	s.u.	7.50	7.02	7.53	7.52	7.43	7.72	7.45	7.02 - 7.72	7.52	7.49	7.31	7.40	7.39	7.37	7.46	7.31 - 7.52
Conductivity	µS/cm	1,151	1,132	1,161	1,247	1,184	1,263	1,196	1132 - 1263	1,294	1,317	1,275	1,391	1,318	1,357	1,332	1275 - 1391
Dissolved Oxygen	mg/L	7.35	7.20	0.81	0.09	3.29	0.49	0.48	0.09 - 7.35	6.13	5.47	1.52	0.22	0.50	0.69	0.18	0.18 - 6.13
ORP	mV	31	142	-154	-144	-162	-151	-188	-188 - 142	100	90	-124	-210	-204	-183	-247	-247 - 100
General Chemistry																	
Alkalinity as $CaCO_3$	mg/L	225	228	225	217	224	234	229	217 - 234	249	241	246	214	222	215	182	182 - 249
Carbonate as $CaCO_3$	mg/L	<2	5	<2	<2	<2	<2	<2	<2 - 5	<2	<2	<2	<2	<2	<2	<2	<2
Bicarbonate as $CaCO_3$	mg/L	225	223	225	217	224	234	229	217 - 234	249	241	246	214	222	215	182	182 - 249
Chloride	mg/L	36	36	36	38	36	36	38	36 - 38	38	36	34	38	39	42	32	32 - 42
Fluoride	mg/L	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4 - 0.5	0.4	0.5	0.4	0.5	0.4	0.4	0.4	0.4 - 0.5
Ammonia as N	mg/L	<0.05	31.2	0.3	0.16	0.19	0.09	0.33	<0.05 - 31.2	<0.05	<0.3	0.05	<0.5	<0.05	<0.05	<0.05	<0.05 - <0.3
Nitrate/Nitrite as N	mg/L	1.80	1.47	0.36	0.37	0.42	0.51	0.57	0.36 - 1.80	0.66	0.66	0.29	0.03	0.15	<0.02	0.08	<0.02 - 0.66
Silica	mg/L	19.2	19.4	10.2	11.1	11.5	12.9	12.7	10.2 - 19.4	16.7	15.2	12.8	11.2	11.8	9.7	8.4	8.4 - 16.7
Sulfate	mg/L	380	360	380	380	410	380	390	360 - 410	430	430	440	430	450	440	460	430 - 460
Sulfide as S	mg/L	<0.02	<0.02	<0.02	<0.2	<0.2	<0.2	<0.02	<0.02	<0.02	0.03	<0.02	0.11	<0.1	<0.2	<0.02	<0.02 - <0.2
TOC	mg/L	10	9	NA	NA	NA	NA	NA	9 - 10	8	11	NA	NA	NA	NA	NA	8 - 11
TDS	mg/L	810	810	820	810	820	830	840	810 - 840	940	930	920	910	940	940	960	910 - 960
TSS	mg/L	<5	<5	106	24	18	25	38	<5 - 106	38	43	55	66	49	93	61	38 - 93
Dissolved Metals																	
Aluminum	mg/L	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Arsenic	mg/L	0.0169	0.0177	0.0009	0.0007	0.0009	0.0007	0.0007	0.0007 - 0.0177	0.0034	0.0024	0.0007	<0.0005	0.0010	<0.0005	<0.0005	<0.0005 - 0.0034
Barium	mg/L	0.013	0.027	NA	NA	NA	NA	NA	0.013 - 0.027	0.013	0.009	NA	NA	NA	NA	NA	0.009 - 0.013
Boron	mg/L	0.30	0.30	0.29	0.29	0.31	0.29	0.31	0.29 - 0.31	0.47	0.48	0.47	0.47	0.51	0.48	0.41	0.41 - 0.51
Cadmium	mg/L	<0.0001	<0.0001	NA	NA	NA	NA	NA	<0.0001	<0.0001	<0.0001	NA	NA	NA	NA	NA	<0.0001
Calcium	mg/L	69.1	66.7	68.9	68.4	71.4	66.6	69.6	66.6 - 71.4	91.4	90.3	88.4	82.5	91.6	83.5	83.9	82.5 - 91.6
Cesium	mg/L	<0.0002	<0.0002	NA	NA	NA	NA	NA	<0.0002	<0.0002	<0.0002	NA	NA	NA	NA	NA	<0.0002
Chromium	mg/L	<0.01	<0.01	NA	NA	NA	NA	NA	<0.01	<0.01	<0.01	NA	NA	NA	NA	NA	<0.01
Copper	mg/L	<0.01	< 0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron	mg/L	0.02	0.02	2.88	3.42	4.04	2.39	4.30	0.02 - 4.30	0.12	0.12	4.15	21.20	16.30	24.30	27.30	0.12 - 27.30
Lead	mg/L	0.0002	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001 - 0.0002	0.0020	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0003	<0.0001 - 0.0020
Magnesium	mg/L	85.8	88.0	84.3	83.6	84.5	90.0	80.6	80.6 - 90.0	65.6	69.9	71.1	65.6	71.8	66.2	67.0	65.6 - 71.8
Manganese	mg/L	<0.005	<0.005	0.179	0.182	0.169	0.154	0.140	<0.005 - 0.182	0.009	0.012	0.101	0.227	0.198	0.284	0.289	0.009 - 0.289
Mercury	mg/L	<0.0002	<0.0002	NA	NA	NA	NA	NA	<0.0002	<0.0002	<0.0002	NA	NA	NA	NA	NA	<0.0002
Molybdenum	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	0.01	<0.01	<0.01	0.02	<0.01	0.01	<0.01 - 0.02
Nickel	mg/L	<0.01	0.01	NA	NA	NA	NA	NA	<0.01 - 0.01	<0.01	<0.01	NA	NA	NA	NA	NA	<0.01
Potassium	mg/L	9.80	10.0	10.7	10.7	10.1	10.0	11.5	9.80 - 11.5	17.4	18.3	18.1	17.1	18.0	17.0	14.9	14.9 - 18.3
Selenium	mg/L	0.0181	0.0168	0.0089	0.0078	0.0081	0.0079	0.0065	0.0065 - 0.0181	0.0167	0.0171	0.0126	0.0024	0.0053	0.0008	0.0016	0.0008 - 0.0171
Sodium	mg/L	72.3	72.4	73.9	74.7	73.4	69.9	80.5	69.9 - 80.5	102	102	102	102	102	102	89.8	89.8 - 102
Uranium	mg/L	0.1070	0.0963	0.0250	0.0198	0.0253	0.0295	0.0236	0.0198 - 0.1070	0.0605	0.0638	0.0452	0.0078	0.0204	0.0033	0.0069	0.0033 - 0.0638
Vanadium	mg/L	0.035	0.041	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005 - 0.041	0.010	0.007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005 - 0.010
Zinc	mg/L	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01 - 0.01	0.06	0.02	<0.01	<0.01	<0.1	<0.01	0.03	<0.01 - <0.1
Dissolved Radionuclides																	
Gross Alpha	ρCi/L	46	40	7.8	11	11	16	14	7.8 - 46	31	27	18	<3	21	2.4	4.9	2.4 - 31
Gross Alpha - U/Rn	ρCi/L	NA	NA	NA	NA	NA	NA	<0.5	<0.5	NA	NA	NA	NA	NA	NA	<0.5	<0.5
Gross Beta	ρCi/L	26	23	15	11	13	16	10	10 - 26	29	25	21	18	21	8	14	8 - 29
Radium 226	ρCi/L	<0.23	<0.25	<0.27	<0.22	<0.25	<0.3	<0.2	<0.2 - <0.3	<0.27	<0.16	<0.3	<0.19	<0.25	0.47	<0.17	<0.16 - 0.47
Radium 228	ρCi/L	NA	NA	NA	NA	NA	<1.5	<1.4	<1.4 - <1.5	NA	NA	NA	NA	NA	<1.5	<1.3	<1.3 - <1.5
Lead 210	ρCi/L	NA	NA	NA	NA	NA	<5	<2.8	<2.8 - <5	NA	NA	NA	NA	NA	<4.2	<3.2	<3.2 - <4.2
Thorium 230	ρCi/L	NA	NA	NA	NA	NA	<0.58	<0.56	<0.56 - <0.58	NA	NA	NA	NA	NA	<0.72	<0.8	<0.72 - <0.8

TABLE 2A
ON-SITE GROUNDWATER ANALYTICAL RESULTS

	Well Number	PW-3								CDPHE Domestic Water Supply Standards	CDPHE Agricultural Standards	EPA Drinking Water Standards
	Sample Date	8/6/2008	8/7/2008	11/13/2008	2/26/2009	4/30/2009	7/31/2009	6/3/2010	Range			
Field Parameters	**Unit**											
Temperature	°C	15.7	16.0	13.7	14.7	15.1	18.1	15.7	13.7 - 18.1	None	None	None
pH	s.u.	7.59	7.56	7.58	7.66	7.42	7.83	7.54	7.42 - 7.83	6.5-8.5	6.5-8.5	6.5-8.5
Conductivity	µS/cm	1,256	1,245	1,218	1,306	1,240	1,299	1,208	1208 - 1306	None	None	None
Dissolved Oxygen	mg/L	7.68	7.70	7.18	7.39	10.33	4.78	7.63	4.78 - 10.33	None	None	None
ORP	mV	61	105	95	34	-20	-55	-88	-88 - 105	None	None	None
General Chemistry												
Alkalinity as $CaCO_3$	mg/L	243	241	252	242	252	262	263	241 - 263	None	None	None
Carbonate as $CaCO_3$	mg/L	3	<2	<2	<2	<2	<2	<2	<2 - 3	None	None	None
Bicarbonate as $CaCO_3$	mg/L	240	241	252	242	252	262	263	240 - 263	None	None	None
Chloride	mg/L	35	35	35	37	36	35	36	35 - 37	250	None	250[1]
Fluoride	mg/L	0.5	0.4	0.5	0.5	0.5	0.4	0.4	0.4 - 0.5	4.0	2	4.0(2.0[1])
Ammonia as N	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	None	None	None
Nitrate/Nitrite as N	mg/L	0.98	1.04	1.14	0.77	0.68	0.67	0.89	0.67 - 1.14	10.0	100	10
Silica	mg/L	18.7	18.9	15.2	15.6	15.3	15.6	15.2	15.2 - 18.9	None	None	None
Sulfate	mg/L	380	380	380	390	390	380	390	380 - 390	250	None	250[1](500[2])
Sulfide as S	mg/L	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	None	None	None
TOC	mg/L	7	7	NA	NA	NA	NA	NA	7	None	None	None
TDS	mg/L	830	840	860	850	860	870	870	830 - 870	None	None	500[1]
TSS	mg/L	<5	<5	10	<5	<5	14	<5	<5 - 14	None	None	None
Dissolved Metals												
Aluminum	mg/L	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	None	5	0.05[1]
Arsenic	mg/L	0.0135	0.0138	0.0118	0.0120	0.0118	0.0078	0.0090	0.0078 - 0.0138	0.01	0.1	0.01
Barium	mg/L	0.032	0.032	NA	NA	NA	NA	NA	0.032	2.0	None	2
Boron	mg/L	0.39	0.37	0.42	0.43	0.43	0.41	0.44	0.37 - 0.44	None	0.75	None
Cadmium	mg/L	0.0001	<0.0001	NA	NA	NA	NA	NA	<0.0001 - 0.0001	0.005	0.01	0.005
Calcium	mg/L	67.0	66.9	72.7	73.7	76.3	74	71.9	66.9 - 76.3	None	None	None
Cesium	mg/L	<0.0002	<0.0002	NA	NA	NA	NA	NA	<0.0002	None	None	None
Chromium	mg/L	<0.01	<0.01	NA	NA	NA	NA	NA	<0.01	0.1	0.1	0.1 (total)
Copper	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	1	0.2	1.3 (1.0[1])
Iron	mg/L	0.02	0.02	0.06	<0.02	0.04	0.25	0.04	<0.02 - 0.25	0.3	5	0.3[1]
Lead	mg/L	0.0002	<0.0001	<0.0001	<0.0001	0.0010	<0.0001	<0.0001	<0.0001 - 0.0010	0.05	0.1	0.015
Magnesium	mg/L	80.6	82.4	70.0	71.7	72.7	72.2	68.5	68.5 - 82.4	None	None	None
Manganese	mg/L	<0.005	<0.005	0.008	<0.005	<0.005	0.021	<0.005	<0.005 - 0.021	0.05	0.2	0.05[1]
Mercury	mg/L	<0.0002	<0.0002	NA	NA	NA	NA	NA	<0.0002	0.002	0.01	0.002
Molybdenum	mg/L	<0.01	<0.01	0.01	<0.01	0.02	<0.01	0.03	<0.01 - 0.03	0.035	None	None
Nickel	mg/L	<0.01	<0.01	NA	NA	NA	NA	NA	<0.01	0.1	0.2	None
Potassium	mg/L	12.7	12.3	14.3	14.3	14.3	14.6	13.9	12.3 - 14.6	None	None	None
Selenium	mg/L	0.0208	0.0203	0.0215	0.0209	0.0196	0.0176	0.0150	0.0150 - 0.0215	0.05	0.02	0.05
Sodium	mg/L	100	98.9	102	101	101	102	104	98.9 - 104	None	None	20[2]
Uranium	mg/L	0.0826	0.0837	0.0797	0.0731	0.0771	0.0665	0.0735	0.0665 - 0.0837	0.03	None	0.030[1]
Vanadium	mg/L	0.014	0.021	0.020	0.024	0.019	0.014	0.017	0.014 - 0.024	None	0.1	None
Zinc	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	5	2	5[1]
Dissolved Radionuclides												
Gross Alpha	ρCi/L	40	35	32	33	23	25	27	23 - 40	15-	None	15[3]
Gross Alpha - U/Rn	ρCi/L	NA	NA	NA	NA	NA	NA	<0.5	<0.5			
Gross Beta	ρCi/L	27	26	29	19	20	27	20	19 - 29	4 mrem/yr	None	4 mrem/yr
Radium 226	ρCi/L	0.26	<0.20	<0.35	0.23	0.48	0.25	<0.22	<0.20 - 0.48	5 (total)	5 (total)	5 (total)
Radium 228	ρCi/L	NA	NA	NA	NA	NA	<1.5	<1.3	<1.3 - <1.5			
Lead 210	ρCi/L	NA	NA	NA	NA	NA	<4.6	<3	<3 - <4.6	None	None	None
Thorium 230	ρCi/L	NA	NA	NA	NA	NA	<0.54	<0.58	<0.54 - <0.58	60 (Total+Th-232)	None	None

TABLE 2B
OFF-SITE GROUNDWATER ANALYTICAL RESULTS

	Well ID	Hurdle Well		Davis Well		BLM Well		Boren Well		Stone Spring			
	Sample Date	4/22/2008	5/13/2010	7/29/2009	6/23/2010	7/30/2009	5/13/2010	7/31/2009	5/12/2010	8/2/2009	10/21/2009	5/12/2010	11/29/2010
Field Parameters	**Unit**												
Temperature	°C	21	FL	18.8	16.2	18.4	FL	20.1	FL	21.1	18.7	FL	14.6
pH	s.u.	7.9	FL	7.72	7.51	7.42	FL	7.50	FL	7.59	7.44	FL	7.48
Conductivity	µS/cm	1240	FL	885	843	1444	FL	1441	FL	1093	1082	FL	964
Dissolved Oxygen	mg/L	6.90	FL	0.72	0.73	2.54	FL	4.82	FL	4.52	3.92	FL	4.62
ORP	mV	108	FL	76	60	-68	FL	152	FL	146	136	FL	157
General Chemistry													
Alkalinity as $CaCO_3$	mg/L	198	209	264	257	235	229	422	409	271	274	246	231
Carbonate as $CaCO_3$	mg/L	<2	<2	5	9	<2	<2	<2	10	<2	<2	8	6
Bicarbonate as $CaCO_3$	mg/L	198	209	258	248	235	229	422	399	271	274	238	225
Chloride	mg/L	35	37	16	17	21	22	87	80	59	62	59	57
Fluoride	mg/L	0.5	0.5	0.5	0.6	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.5
Ammonia as N	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Nitrate/Nitrite as N	mg/L	15.4	30.8	18.2	21.5	17.2	19.7	7.58	8.08	1.71	2.22	0.83	0.82
Silica	mg/L	16.0	13.6	12.0	10.9	15.4	14.9	16.1	15.9	14.3	15.2	14.1	13.8
Sulfate	mg/L	310	310	90	100	440	500	220	200	200	210	200	200
Sulfide as S	mg/L	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.05	<0.02	<0.2
TOC	mg/L	3	3	4	7	3	3	6	7	4	17	4	3
TDS	mg/L	810	870	530	560	1020	1100	910	820	630	640	610	590
TSS	mg/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Dissolved Metals													
Aluminum	mg/L	<0.03	0.05	<0.03	<0.03	<0.03	0.07	<0.03	<0.03	<0.03	<0.03	0.04	<0.03
Arsenic	mg/L	0.0032	0.0074	0.0056	0.0044	0.0029	0.0066	0.0112	0.0149	0.0089	0.0083	0.0112	0.0099
Barium	mg/L	0.015	0.016	0.032	0.032	0.017	0.016	0.059	0.060	0.028	0.027	0.024	0.021
Boron	mg/L	0.15	0.19	0.83	0.81	0.22	0.27	0.39	0.41	0.37	0.33	0.35	0.35
Cadmium	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Calcium	mg/L	82.6	79.4	40.0	42.1	112	114	64.1	59.9	52.8	51.4	50.8	51.3
Cesium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Chromium	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Copper	mg/L	0.02	0.03	<0.01	<0.01	<0.01	0.02	<0.01	0.02	<0.01	<0.01	0.01	<0.01
Iron	mg/L	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.04	<0.02	0.04
Lead	mg/L	0.0006	0.0009	0.0002	0.0003	<0.0001	0.0002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0001
Magnesium	mg/L	85.2	78.2	45.2	45.5	91.1	91.8	112	101	58.5	56.3	49.6	49.7
Manganese	mg/L	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Mercury	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
Molybdenum	mg/L	0.01	<0.01	0.03	0.04	<0.01	<0.01	<0.01	0.01	0.02	0.02	0.03	0.02
Nickel	mg/L	<0.01	0.03	<0.01	<0.01	<0.01	0.04	<0.01	0.05	<0.01	<0.01	0.05	<0.01
Potassium	mg/L	11.2	11.0	26.2	24.9	13.8	15.3	18.0	17.2	16.1	15.7	16.3	17.1
Selenium	mg/L	0.0484	0.0455	0.0474	0.0436	0.0561	0.0605	0.0181	0.0160	0.0218	0.0223	0.0214	0.0223
Sodium	mg/L	66.9	68.0	58.4	61.9	66.9	77.8	72.4	74.4	79.7	15.2	85.0	85.4
Uranium	mg/L	0.0256	0.0251	0.0352	0.0326	0.0389	0.0439	0.0416	0.0447	0.0510	0.0527	0.0577	0.0567
Vanadium	mg/L	<0.005	0.006	0.007	0.007	0.010	0.021	0.020	0.030	0.018	<0.005	0.024	0.010
Zinc	mg/L	0.03	0.21	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Dissolved Radionuclides													
Gross Alpha	ρCi/L	17	16	15	22	16	22	16	21	17	18	27	35
Gross Alpha - U/Rn	ρCi/L	NA	<0.5	NA	<0.8	NA	<0.5	NA	<0.5	NA	NA	<0.5	NA
Gross Beta	ρCi/L	19	14	30	31	21	15	25	25	25	26	20	30
Radium 226	ρCi/L	0.08	<0.3	0.33	0.32	0.47	0.36	0.13	<0.22	0.07	0.2	<0.27	<0.25
Radium 228	ρCi/L	NA	<1.3	1.6	<1.3	<1.5	<1.3	2	<1.3	<1.4	1.6	<1.3	<0.94
Lead 210	ρCi/L	NA	<2.8	<4.8	<2.7	<4.3	3.6	<4.9	<3.1	<3.5	<4	<3.2	<5.5
Thorium 230	ρCi/L	NA	<0.64	<0.64	2.2	<0.64	<0.65	<0.55	<0.63	<0.59	<0.78	<0.58	<0.63

TABLE 2C
QUALITY CONTROL ANALYTICAL RESULTS

Well Number		DUP-1 (MW-6)	DUP1-72108 (MW-8B)	DUP091008 (MW-9)	DUP-111408 (PW-1)	MW-7 DUP (MW-7)	MW-5 DUP (MW-5)	DUP022409 (PW-2)	DUP1-0409 (MW-6)	DUP2-0409 (PW-3)	DUPLICATE (MW-8B)	DUPLICATE (PW-1)	DUP051210 (Boren Well)	DUP060310 (PW-3)	DUPLICATE (MW-8B)	Equipment Rinsate - Sample Pump	Equipment Rinsate - Sample Pump
Sample Date		4/29/2008	7/21/2008	9/10/2008	11/14/2008	2/18/2009	2/19/2009	2/24/2009	4/28/2009	4/30/2009	7/29/2009	7/30/2009	5/12/2010	6/3/2010	6/24/2010	10/16/2007	7/22/2008
Field Parameters	**Unit**																
Temperature	°C	18.8	18.4	17.6	15.4	14.6	14.5	15.1	18.7	15.1	17.4	17.9	FL	15.7	14.8	NA	NA
pH	s.u.	7.01	6.36	8.23	7.53	7.52	7.96	7.41	6.85	7.47	6.83	7.72	FL	7.54	6.82	NA	NA
Conductivity	µS/cm	3,140	3,060	993	1,161	1,338	1,043	1,391	3,290	1,243	3,020	1,263	FL	1,208	2,890	NA	NA
Dissolved Oxygen	mg/L	0.02	6.10	2.12	0.81	4.78	6.82	0.24	0.24	10.33	0.11	0.49	FL	7.63	0.18	NA	NA
ORP	mV	-373	-122.8	154	-154	88	86	-209	-355	-20	-189	-151	FL	-88	-203	NA	NA
General Chemistry																	
Alkalinity as $CaCO_3$	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbonate as $CaCO_3$	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bicarbonate as $CaCO_3$	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloride	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoride	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ammonia as N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nitrate/Nitrite as N	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silica	mg/L	11.5	11.6	12.0	10.4	19.2	18.6	11.3	9.9	15.2	12.4	19.0	16.0	15.3	16.6	NA	0.5
Sulfate	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sulfide as S	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOC	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TDS	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TSS	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dissolved Metals																	
Aluminum	mg/L	<0.03	<0.03	0.08	<0.03	0.03	0.95	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	NA	<0.03
Arsenic	mg/L	<0.0005	0.002	0.0110	0.0008	0.0062	0.0028	<0.0005	<0.03	0.0124	0.0005	0.0067	0.0147	0.0095	0.0059	NA	<0.0005
Barium	mg/L	0.025	0.040	0.046	0.006	0.013	0.065	0.006	0.021	0.009	0.008	0.024	0.061	0.013	0.036	NA	<0.03
Boron	mg/L	2.39	0.37	2.65	0.30	0.36	0.44	0.47	2.48	0.43	0.32	0.50	0.41	0.44	0.53	NA	<0.01
Cadmium	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0004	<0.0001	<0.0001	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	NA	<0.0001
Calcium	mg/L	129	515	8.9	68.3	103.0	70.3	83.3	139	75.8	69.1	403	60.1	72.2	407	NA	0.7
Cesium	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	NA	<0.0002
Chromium	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NA	<0.01
Copper	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	NA	<0.01
Iron	mg/L	<0.02	0.13	0.03	2.09	<0.02	0.80	21.40	<0.02	0.03	2.80	1.49	<0.02	0.02	1.76	NA	0.03
Lead	mg/L	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0020	<0.0002	<0.0001	0.0014	<0.0001	<0.0001	<0.0001	<0.0001	0.0002	NA	<0.0005
Magnesium	mg/L	314	237	4.8	83.5	76.7	58.4	65.9	327	72.6	81.2	227.0	100	69.2	254	NA	<0.2
Manganese	mg/L	0.012	0.34	0.042	0.160	<0.005	0.172	0.227	<0.005	<0.005	0.150	1.040	<0.005	<0.005	0.807	NA	<0.005
Mercury	mg/L	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	NA	<0.0002
Molybdenum	mg/L	0.02	0.01	0.06	<0.01	<0.01	<0.01	<0.01	0.01	0.02	<0.01	0.01	<0.01	0.02	0.01	NA	<0.01
Nickel	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.1	<0.01	<0.01	0.04	<0.01	<0.01	NA	<0.01
Potassium	mg/L	107	17.0	12.2	10.4	16.5	16.8	17.1	98.9	15.3	10.7	19.2	16.8	13.9	19.9	NA	<0.03
Selenium	mg/L	0.1440	0.081	0.0018	0.0097	0.0256	0.0207	0.0025	0.0288	0.0195	0.0078	0.0006	0.0162	0.0152	0.0002	NA	<0.001
Sodium	mg/L	209	34.7	202	73.2	83.5	89.5	103	196	100	73.7	28.8	77.2	104	30.9	NA	<0.3
Uranium	mg/L	<0.0001	0.0589	0.0249	0.0286	0.0987	0.1020	0.0078	<0.0001	0.0759	0.0305	0.0158	0.0448	0.0730	0.0057	NA	<0.0001
Vanadium	mg/L	<0.005	<0.005	0.027	<0.005	<0.005	0.015	<0.005	<0.005	0.020	<.005	<0.005	0.028	0.020	<0.005	NA	<0.005
Zinc	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	NA	<0.01
Dissolved Radionuclides																	
Gross Alpha	pCi/L	NA	54	20	7.2	40	42	5.4	<8.6	30	12	16	32	31	19	1	NA
Gross Alpha - U/Rn	pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.5	NA	NA	NA	NA
Gross Beta	pCi/L	NA	8.5	31	11	31	36	15	110	26	15	26	22	21	48	<2.0	NA
Radium 226	pCi/L	NA	7.8	0.18	-0.07	6.3	0.25	<0.22	1.7	0.35	0.09	0.55	0.21	<0.24	0.88	<0.2	NA
Radium 228	pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	2	<1.5	<1.3	<1.3	<1.3	NA	NA
Lead 210	pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.7	<3.8	<2.7	<2.6	<3.6	NA	NA
Thorium 230	pCi/L	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.53	<0.58	<0.58	<0.61	1.1	NA	NA

TABLE 2A, 2B AND 2C NOTES

Abbreviations:

^{o}C	degrees Celsius
µS/cm	microsiemens per centimeter
ρCi/L	picoCuries per liter
FL	Field Notes Lost
mg/L	milligrams per liter
mV	millivolt
NA	Not Analyzed, see note below
s.u.	standard units

Notes:

(1) Secondary Drinking Water standards

(2) US EPA Drinking Water Advisory Level

(3) Gross alpha standards exclude uranium and radon, the analytical results include uranium and radon

The initial sample from each well was analyzed for an extended list of parameters per the Groundwater Sampling Work Plan, rev 2, date May 21, 2008.

References:

CDPHE Domestic Water Supply and Agricultural Standards are published in CDPHE Water Quality Control Commission 5 CCR 1002-41, Regulation no. 41, The Basic Standards for Ground Water, as amended Janaury 14, 2008

U.S. EPA Standards are published in 2006 Edition of the Drinking Water Standards and Health Advisories, EPA 822-R-06-013, as updated August 2006

TABLE 3
GROUNDWATER DATA COMPLETENESS

	Monitoring Wells					Production Wells		
Quarter	**MW-5**	**MW-6**	**MW-7**	**MW-8**	**MW-9**	**PW-1**	**PW-2**	**PW-3**
4th Qtr 2007	NS	95.3%	NS	NS	NS	NS	NS	NS
1st Qtr 2008	95.3%	100%	NS	NS	NS	NS	NS	NS
2nd Qtr 2008	97.7%	100%	100%	NS	NS	NS	NS	NS
3rd Qtr 2008	97.2%	97.2%	100%	100%	100%	100%	100%	100%
4th Qtr 2008	100%	100%	100%	100%	NS	100%	100%	100%
1st Qtr 2009	100%	100%	100%	100%	NS	100%	100%	100%
2nd Qtr 2009	100%	100%	100%	100%	NS	100%	100%	100%
3rd Qtr 2009	100%	100%	100%	100%	NS	100%	100%	100%
2nd Qtr 2010	87.5%	87.5%	87.5%	100%	NS	100%	100%	100%
Overall	**97.2%**	**97.8%**	**98.2%**	**100%**	**100%**	**100%**	**100%**	**100%**

Quarter	**Hurdle Well**	**Davis Well**	**BLM Well**	**Boren Well**	**Stone Spring**
2nd Qtr 2008	100%	NS	NS	NS	NS
3rd Qtr 2009	NS	100%	100%	100%	100%
4th Qtr 2009	NS	NS	NS	NS	100%
2nd Qtr 2010	89.4%	100%	89.4%	89.4%	89.4%
4th Qtr 2010	NS	NS	NS	NS	100%
Overall	**94.7%**	**100%**	**94.7%**	**94.7%**	**97.3%**