

Rio Algom Mining LLC

August 29, 2009

ADDRESSEE ONLY

Mr. Tom McLaughlin, Project Manager
U.S. Nuclear Regulatory Commission
Mail Stop T-8F5
Washington, DC 20555

CERTIFIED MAIL

Return Receipt No. 7001 1940 0000 5346 3993

Re: **License SUA-1473, Docket No. 40-8905**
Semiannual Effluent Report – 1st Half 2009

Dear Mr. McLaughlin,

In accordance with license condition #19 of the above referenced source material license and the NRC approved *Health Physics and Environmental Programs Manual*, please find attached the first half 2009 Semiannual Report for the Ambrosia Lake facility.

If you have any questions or need additional information, please do not hesitate to call me at (505) 287-8851, extension 15.

Regards,

Chuck Wentz

Chuck Wentz
Environmental Department Supervisor
Radiation Safety Officer

Attachment

xc: T. Fletcher
NRC (document control)
file

JE17
NMSS

Rio Algom Mining LLC

August 29, 2009

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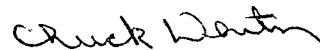
Re: **License SUA-1473, Docket No. 40-8905**
Semiannual Effluent Report – 2nd Half 2008

Dear Mr. McLaughlin,

In accordance with license condition #19 of the above referenced source material license and the NRC approved *Health Physics and Environmental Programs Manual*, please find attached the first half 2009 Semiannual Report for the Ambrosia Lake facility.

If you have any questions or need additional information, please do not hesitate to call me at (505) 287-8851, extension 15.

Regards,



Chuck Wentz
Environmental Department Supervisor
Radiation Safety Officer

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file

RIO ALGOM MINING LLC
AMBROSIA LAKE FACILITY

License SUA – 1473 Docket 40 – 8905

Semi – Annual
Effluent Report

1st half 2009

August 29, 2009

Crushing Circuit Stack Emissions

Mill building demolition of the conventional mill circuit was successfully completed in February 2004.

Rio Algom Mining LLC
Ambrosia Lake Facility

License SUA-1473
Docket Number 40-8905

Yellowcake Dryer Stack Emissions

Mill building demolition of the conventional mill circuit was successfully completed in February 2004.

High Volume Environmental Air Samples
1st Half 2009

1st Quarter 2009					Substation	2nd Quarter 2009				
Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit	Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit	
U-nat	0.0E+00	0.0E+00	2.5E-18	< 1.0	U-nat	3.3E-18	2.9E-19	2.8E-18	< 1.0	
Th-230	8.0E-18	3.9E-18	6.4E-18	< 1.0	Th-230	5.5E-18	5.1E-18	8.1E-18	< 1.0	
Ra-226	-2.2E-19	2.0E-18	6.0E-18	< 1.0	Ra-226	2.4E-18	2.5E-18	6.2E-18	< 1.0	
Pb-210	1.0E-15	3.5E-17	5.7E-17	< 1.0	Pb-210	9.8E-16	4.6E-17	5.4E-17	< 1.0	

1st Quarter 2009					Section 17 VH 4	2nd Quarter 2009				
Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit	Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit	
U-nat	0.0E+00	0.0E+00	2.5E-18	< 1.0	U-nat	0.0E+00	0.0E+00	2.9E-18	< 1.0	
Th-230	7.0E-18	5.0E-18	8.0E-18	< 1.0	Th-230	7.6E-18	4.7E-18	8.5E-18	< 1.0	
Ra-226	2.6E-18	1.5E-18	5.1E-18	< 1.0	Ra-226	5.0E-18	1.9E-18	4.9E-18	< 1.0	
Pb-210	1.1E-15	3.7E-17	6.8E-17	< 1.0	Pb-210	1.0E-15	4.9E-17	5.5E-17	< 1.0	

High Volume Environmental Air Samples
1st Half 2009

1st Quarter 2009					Mill Diversion	2nd Quarter 2009				
Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit		Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit
U-nat	8.5E-18	2.2E-19	2.8E-18	< 1.0		U-nat	1.2E-17	1.1E-18	3.1E-18	< 1.0
Th-230	8.0E-17	1.2E-17	9.2E-18	< 1.0		Th-230	1.3E-16	1.5E-17	8.7E-18	< 1.0
Ra-226	2.6E-18	3.2E-18	6.7E-19	< 1.0		Ra-226	9.1E-18	2.6E-18	5.1E-18	< 1.0
Pb-210	1.3E-15	4.8E-17	9.2E-17	< 1.0		Pb-210	1.0E-15	5.0E-17	6.0E-17	< 1.0

High Volume Environmental Air Samples
1st Half 2009

1st Quarter 2009					Section 30 West VH 6					2nd Quarter 2009				
Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit	Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit	Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit
U-nat	7.5E-18	1.9E-19	2.4E-18	< 1.0	U-nat	1.0E-17	9.3E-19	3.1E-18	< 1.0	U-nat	1.0E-17	9.3E-19	3.1E-18	< 1.0
Th-230	1.3E-17	4.4E-18	6.5E-18	< 1.0	Th-230	2.0E-17	6.6E-18	8.8E-18	< 1.0	Th-230	2.0E-17	6.6E-18	8.8E-18	< 1.0
Ra-226	6.6E-18	2.4E-18	5.0E-18	< 1.0	Ra-226	5.0E-18	1.9E-18	4.9E-18	< 1.0	Ra-226	5.0E-18	1.9E-18	4.9E-18	< 1.0
Pb-210	1.4E-15	3.8E-17	5.6E-17	< 1.0	Pb-210	1.0E-15	4.9E-17	5.5E-17	< 1.0	Pb-210	1.0E-15	4.9E-17	5.5E-17	< 1.0

1st Quarter 2009					North Fence					2nd Quarter 2009				
Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit	Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit	Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit
U-nat	8.0E-18	2.0E-19	2.5E-18	< 1.0	U-nat	1.8E-17	1.6E-18	3.0E-18	< 1.0	U-nat	1.8E-17	1.6E-18	3.0E-18	< 1.0
Th-230	3.0E-17	6.9E-18	7.0E-18	< 1.0	Th-230	6.2E-17	1.1E-17	8.8E-18	< 1.0	Th-230	6.2E-17	1.1E-17	8.8E-18	< 1.0
Ra-226	7.4E-19	1.7E-18	5.7E-18	< 1.0	Ra-226	1.7E-17	3.5E-18	4.8E-18	< 1.0	Ra-226	1.7E-17	3.5E-18	4.8E-18	< 1.0
Pb-210	1.1E-15	3.8E-17	6.0E-17	< 1.0	Pb-210	1.1E-15	5.4E-17	6.5E-17	< 1.0	Pb-210	1.1E-15	5.4E-17	6.5E-17	< 1.0

High Volume Environmental Air Samples
1st Half 2009

1st Quarter 2009					KGL-North					2nd Quarter 2009				
Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit	Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit	Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit
U-nat	2.5E-17	6.5E-19	2.7E-18	< 1.0	U-nat	3.1E-17	2.7E-18	3.1E-18	< 1.0	U-nat	3.1E-17	2.7E-18	3.1E-18	< 1.0
Th-230	2.9E-16	1.8E-17	5.8E-18	1.4	Th-230	3.0E-16	2.5E-17	1.0E-17	1.5	Th-230	3.0E-16	2.5E-17	1.0E-17	1.5
Ra-226	3.2E-17	4.0E-18	5.6E-18	< 1.0	Ra-226	1.5E-17	2.7E-18	4.5E-18	< 1.0	Ra-226	1.5E-17	2.7E-18	4.5E-18	< 1.0
Pb-210	1.0E-15	3.8E-17	6.5E-17	< 1.0	Pb-210	1.3E-15	5.3E-17	6.0E-17	< 1.0	Pb-210	1.3E-15	5.3E-17	6.0E-17	< 1.0

1st Quarter 2009					KGL-South					2nd Quarter 2009				
Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit	Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit	Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit
U-nat	4.5E-18	1.1E-19	2.8E-18	< 1.0	U-nat	5.4E-18	4.8E-19	3.0E-18	< 1.0	U-nat	5.4E-18	4.8E-19	3.0E-18	< 1.0
Th-230	2.3E-17	7.6E-18	9.2E-18	< 1.0	Th-230	1.7E-17	7.5E-18	8.8E-18	< 1.0	Th-230	1.7E-17	7.5E-18	8.8E-18	< 1.0
Ra-226	1.4E-17	3.4E-18	6.9E-18	< 1.0	Ra-226	6.3E-18	2.8E-18	6.3E-18	< 1.0	Ra-226	6.3E-18	2.8E-18	6.3E-18	< 1.0
Pb-210	1.8E-15	5.3E-17	7.2E-17	< 1.0	Pb-210	1.4E-15	5.4E-17	5.4E-17	< 1.0	Pb-210	1.4E-15	5.4E-17	5.4E-17	< 1.0

Vegetation

Location: Substation Date: June 2009 Sample Media: Vegetation				Location: Mill Diversion Date: June 2009 Sample Media: Vegetation			
Nuclide	Conc. (uCi/kg)	Error (uCi/kg)	LLD (uCi/kg)	Nuclide	Conc. (uCi/kg)	Error (uCi/kg)	LLD (uCi/kg)
U-nat	0.0E+00	0.0E+00	6.8E-05	U-nat	1.4E-04	5.4E-07	6.8E-05
Th-230	2.1E-04	8.5E-04	1.5E-03	Th-230	4.8E-04	7.6E-04	1.7E-03
Ra-226	4.3E-04	3.7E-04	1.8E-03	Ra-226	6.4E-04	4.2E-04	1.8E-03
Pb-210	5.2E-04	3.6E-03	1.0E-02	Pb-210	0.0E+00	4.5E-03	1.3E-02

Location: Section 30 West VH6 Date: June 2009 Sample Media: Vegetation				Location: North Fence Date: June 2009 Sample Media: Vegetation			
Nuclide	Conc. (uCi/kg)	Error (uCi/kg)	LLD (uCi/kg)	Nuclide	Conc. (uCi/kg)	Error (uCi/kg)	LLD (uCi/kg)
U-nat	1.2E-03	4.6E-06	6.8E-05	U-nat	2.0E-04	8.1E-07	6.8E-05
Th-230	2.4E-04	7.2E-04	1.5E-03	Th-230	6.0E-04	7.0E-04	1.7E-03
Ra-226	2.4E-03	7.4E-04	1.8E-03	Ra-226	6.9E-04	4.2E-04	1.8E-03
Pb-210	0.0E+00	4.2E-03	1.2E-02	Pb-210	0.0E+00	4.5E-03	1.3E-02

Vegetation

Location: Section 17 VH 4
Date: June 2009
Sample Media: Vegetation

Location: KGL-North
Date: June 2009
Sample Media: Vegetation

Nuclide	Conc. (uCi/kg)	Error (uCi/kg)	LLD (uCi/kg)
U-nat	6.8E-05	2.7E-07	6.8E-05
Th-230	-3.7E-04	5.5E-04	1.6E-03
Ra-226	4.1E-04	3.8E-04	2.0E-03
Pb-210	0.0E+00	3.9E-03	1.1E-02

Nuclide	Conc. (uCi/kg)	Error (uCi/kg)	LLD (uCi/kg)
U-nat	2.7E-04	1.1E-06	6.8E-05
Th-230	1.0E-03	8.7E-04	1.7E-03
Ra-226	4.1E-04	3.6E-04	1.8E-03
Pb-210	0.0E+00	4.1E-03	1.2E-02

Location: KGL-South
Date: June 2009
Sample Media: Vegetation

Nuclide	Conc. (uCi/kg)	Error (uCi/kg)	LLD (uCi/kg)
U-nat	1.4E-04	5.4E-07	6.8E-05
Th-230	-4.5E-04	9.4E-04	1.6E-03
Ra-226	1.1E-03	5.3E-04	1.9E-03
Pb-210	4.6E-03	4.0E-03	1.1E-02

Soil

Location: Substation Date: June 2009 Sample Media: Soil				Location: Mill Diversion Date: June 2009 Sample Media: Soil			
Nuclide	Conc. (uCi/g)	Error (uCi/g)	LLD (uCi/g)	Nuclide	Conc. (uCi/g)	Error (uCi/g)	LLD (uCi/g)
U-nat	5.9E-07	1.2E-08	3.4E-08	U-nat	4.7E-07	9.6E-09	3.4E-08
Th-230	3.2E-06	6.3E-07	5.5E-07	Th-230	1.8E-06	5.0E-07	5.6E-07
Ra-226	5.8E-06	1.2E-06	1.9E-06	Ra-226	4.4E-06	9.7E-07	1.8E-06
Pb-210	2.4E-06	1.4E-06	3.9E-06	Pb-210	0.0E+00	4.1E-06	1.2E-05

Location: Section 30 West VH6 Date: June 2009 Sample Media: Soil				Location: North Fence Date: June 2009 Sample Media: Soil			
Nuclide	Conc. (uCi/g)	Error (uCi/g)	LLD (uCi/g)	Nuclide	Conc. (uCi/g)	Error (uCi/g)	LLD (uCi/g)
U-nat	5.2E-06	1.1E-07	3.4E-08	U-nat	5.3E-07	1.1E-08	3.4E-08
Th-230	2.5E-06	5.3E-07	5.00E-07	Th-230	5.9E-07	3.4E-07	6.1E-07
Ra-226	7.9E-06	1.3E-06	1.90E-06	Ra-226	4.2E-06	1.0E-06	2.0E-06
Pb-210	5.1E-07	1.4E-06	4.00E-06	Pb-210	0.0E+00	1.5E-06	4.3E-06

Soil

Location: Section 17 VH 4
Date: June 2009
Sample Media: Soil

Location: KGL-North
Date: June 2009
Sample Media: Soil

Nuclide	Conc. (uCi/g)	Error (uCi/g)	LLD (uCi/g)
U-nat	6.5E-07	1.3E-08	3.4E-08
Th-230	7.9E-07	4.2E-07	6.1E-07
Ra-226	4.5E-06	1.1E-06	2.1E-06
Pb-210	0.0E+00	1.5E-06	4.4E-06

Nuclide	Conc. (uCi/g)	Error (uCi/g)	LLD (uCi/g)
U-nat	1.0E-06	2.0E-08	3.4E-08
Th-230	3.0E-06	6.2E-07	5.6E-07
Ra-226	5.1E-06	9.7E-07	1.6E-06
Pb-210	0.0E+00	2.0E-06	5.7E-06

Location: KGL-South
Date: June 2009
Sample Media: Soil

Nuclide	Conc. (uCi/g)	Error (uCi/g)	LLD (uCi/g)
U-nat	1.6E-06	3.1E-08	3.4E-08
Th-230	2.5E-06	6.8E-07	6.3E-07
Ra-226	6.3E-06	1.2E-06	2.0E-06
Pb-210	0.0E+00	1.8E-06	5.3E-06

Sediment

Location: P-0 Date: June 2009 Sample Media: Sediment				Location: P-1 Date: June 2009 Sample Media: Sediment			
Nuclide	Conc. (uCi/g)	Error (uCi/g)	LLD (uCi/g)	Nuclide	Conc. (uCi/g)	Error (uCi/g)	LLD (uCi/g)
U-nat	2.0E-05	4.1E-07	3.4E-08	U-nat	6.8E-06	1.4E-07	3.4E-08
Th-230	7.2E-06	9.1E-07	5.6E-07	Th-230	1.8E-05	1.4E-06	5.6E-07
Ra-226	1.7E-05	1.9E-06	1.9E-06	Ra-226	1.4E-05	1.3E-06	9.7E-07
Pb-210	7.0E-06	1.8E-06	4.7E-06	Pb-210	1.3E-06	1.5E-06	4.2E-06

Location: P-2 Date: June 2009 Sample Media: Sediment				Location: P-3 Date: June 2009 Sample Media: Sediment			
Nuclide	Conc. (uCi/g)	Error (uCi/g)	LLD (uCi/g)	Nuclide	Conc. (uCi/g)	Error (uCi/g)	LLD (uCi/g)
U-nat	3.8E-06	7.6E-08	3.4E-08	U-nat	3.5E-07	7.0E-09	3.4E-08
Th-230	5.1E-06	8.4E-07	6.1E-07	Th-230	4.1E-07	3.2E-07	6.1E-07
Ra-226	1.2E-05	1.6E-06	1.8E-06	Ra-226	1.1E-06	5.4E-07	2.0E-06
Pb-210	1.2E-06	1.5E-06	4.4E-06	Pb-210	0.0E+00	2.2E-06	6.5E-06

Environmental Radon

Date: 1st Quarter 2009
Sample Media: Track Etch

Date: 2nd Quarter 2009
Sample Media: Track Etch

Location	Rate pCi/L	Error pCi/L
Substation	0.8	0.1
Mill Diversion	2.7	0.2
Section 30W VH6	3.9	0.2
North Fence	3.1	0.2
Section 17 VH4	1.2	0.1
KGL-North	2.4	0.2
KGL-South	2.6	0.2

Location	Rate pCi/L	Error pCi/L
Substation	1.0	0.1
Mill Diversion	1.8	0.1
Section 30W VH6	2.4	0.2
North Fence	2.2	0.1
Section 17 VH4	1.3	0.1
KGL-North	1.9	0.1
KGL-South	0.8	0.1

Notes:

1 - KGL sample locations added as part of lined pond relocation project.

Environmental Gamma Radiation

Date: 1st Quarter 2009
Sample Media: Gamma

Date: 2nd Quarter 2009
Sample Media: Gamma

<u>Location</u>	<u>Rate (mRem/qtr)</u>
Substation	0
Mill Diversion	0
Section 30W VH6	6.1
North Fence	1.5
Section 17 VH4	0
Section 4 - #1	0
Section 4 - #2	1.5
Section 4 - #3	0.6

<u>Location</u>	<u>Rate (mRem/qtr)</u>
Substation	0
Mill Diversion	0
Section 30W VH6	8
North Fence	0
Section 17 VH4	0
Section 4 - #1	0
Section 4 - #2	2.6
Section 4 - #3	0

Notes:

- 1 - Section 4 sample locations added as part of lined pond relocation project.
- 2 - Values represent net values after subtraction of site control dosimeter.

Treated Mine Discharge Water

Sample: Treated Mine Water

Date: 1st Quarter 2009

Location	Uranium			Radium-226 (soluble)			Radium-226 (insoluble)		
	Conc. (mg/L)	Error (mg/L)	LLD (mg/L)	Conc. (pCi/L)	Error (pCi/L)	LLD (pCi/L)	Conc. (pCi/L)	Error (pCi/L)	LLD (pCi/L)
P-8	dry	dry	dry	dry	dry	dry	dry	dry	dry
P-10	dry	dry	dry	dry	dry	dry	dry	dry	dry
P-12	dry	dry	dry	dry	dry	dry	dry	dry	dry
P-14	dry	dry	dry	dry	dry	dry	dry	dry	dry
P-16	dry	dry	dry	dry	dry	dry	dry	dry	dry
P-18	dry	dry	dry	dry	dry	dry	dry	dry	dry

Sample: Treated Mine Water

Date: 2nd Quarter 2009

Location	Uranium			Radium-226 (soluble)			Radium-226 (insoluble)		
	Conc. (mg/L)	Error (mg/L)	LLD (mg/L)	Conc. (pCi/L)	Error (pCi/L)	LLD (pCi/L)	Conc. (pCi/L)	Error (pCi/L)	LLD (pCi/L)
P-8	dry	dry	dry	dry	dry	dry	dry	dry	dry
P-10	dry	dry	dry	dry	dry	dry	dry	dry	dry
P-12	dry	dry	dry	dry	dry	dry	dry	dry	dry
P-14	dry	dry	dry	dry	dry	dry	dry	dry	dry
P-16	dry	dry	dry	dry	dry	dry	dry	dry	dry
P-18	dry	dry	dry	dry	dry	dry	dry	dry	dry

Mine water treatment discharge subject to NPDES permit limitations at outfall location.

Limits: Total Uranium = 4 mg/L (max); soluble Ra-226 = 10 pCi/L (max); total Ra-226 = 30 pCi/L (max)

RIO ALGOM MINING LLC
DISCHARGE PERMIT - DP-71
MONITORING RESULTS - 1st QUARTER 2009

Date	Location	Depth to Water (ft)	Total Depth (ft)	WELL STATUS	pH (s.u.)	Temp. (C)	Spec. Cond. (uS)	Chloride (mg/L)	Sulfate (mg/L)	TDS (mg/L)	Nitrate (mg/L)	Arsenic (mg/L)	Selenium (mg/L)	Uranium (mg/L)
2/9/09	MW-12		13.00	NS										
2/9/09	MW-13		29.29	NS										
2/9/09	MW-22	34.74	36.80		7.16	12.7	5400	120	2500	4940	50.7	0.0107	0.288	0.0321
2/9/09	MW-23		41.67	NS										
2/9/09	MW-24		50.10	NS										
2/9/09	MW-25		29.60	NS										
2/9/09	MW-26		35.23	NS										
2/9/09	MW-27		27.88	NS										
2/9/09	MW-28		32.46	NS										
2/9/09	MW-29		29.29	NS										
2/9/09	MW-30		40.99	NS										
2/9/09	MW-31		50.48	NS										
2/9/09	MW-32	68.05	71.60		7.08	12.1	5270	120	2500	4940	48	0.0084	0.188	0.0691
2/9/09	MW-33		59.29	NS										

Notes

- 1 - Well status listed as "NS" indicates the well was either dry or contained insufficient water for sample collection.
- 2 - Monitor wells MW-1 through MW-11, MW-14 through MW-21 plugged and abandoned for the lined pond relocation project.

RIO ALGOM MINING LLC
DISCHARGE PERMIT - DP-71
MONITORING RESULTS - 2nd QUARTER 2009

Date	Location	Depth to Water (ft)	Total Depth (ft)	WELL STATUS	pH (s.u.)	Temp. (C)	Spec. Cond. (uS)	Chloride (mg/L)	Sulfate (mg/L)	TDS (mg/L)	Nitrate (mg/L)	Arsenic (mg/L)	Selenium (mg/L)	Uranium (mg/L)
5/18/2009	MW-12		13.00	NS										
5/18/2009	MW-13		29.29	NS										
5/18/2009	MW-22	35.04	36.80		7.35	17.2	5110	120	2800	4490	46.6	0.009	0.2640	0.0255
5/18/2009	MW-23		41.67	NS										
5/18/2009	MW-24		50.10	NS										
5/18/2009	MW-25		29.60	NS										
5/18/2009	MW-26		35.23	NS										
5/18/2009	MW-27		27.88	NS										
5/18/2009	MW-28		32.46	NS										
5/18/2009	MW-29		29.29	NS										
5/18/2009	MW-30		40.99	NS										
5/18/2009	MW-31		50.48	NS										
5/18/2009	MW-32	68.15	71.60		7.19	14.8	5160	120	3000	4680	37.2	0.007	0.1480	0.0592
5/18/2009	MW-33		59.29	NS										

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Date	Location	Fe (mg/L)	Pb (mg/L)	Mn (mg/L)	Mo (mg/L)	Ni (mg/L)	TKN (mg/L)	Ag (mg/L)	Zn (mg/L)	Ra-226 & Ra-228 (pCi/L)
5/18/2009	MW-12									
5/18/2009	MW-13									
5/18/2009	MW-22	< 0.1	0.0011	0.39	<0.05	0.13	0.3	< 0.05	< 0.05	1.61
5/18/2009	MW-23									
5/18/2009	MW-24									
5/18/2009	MW-25									
5/18/2009	MW-26									
5/18/2009	MW-27									
5/18/2009	MW-28									
5/18/2009	MW-29									
5/18/2009	MW-30									
5/18/2009	MW-31									
5/18/2009	MW-32	< 0.1	0.0009	0.43	< 0.05	< 0.05	0.3	< 0.05	< 0.05	2.09
5/18/2009	MW-33									

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Date	Location	WELL STATUS	HCO3 (mg/L)	CO3 (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	F (mg/L)	Al (mg/L)	Cd (mg/L)	Cr (mg/L)	Co (mg/L)	Cu (mg/L)
5/18/2009	MW-12	NS												
5/18/2009	MW-13	NS												
5/18/2009	MW-22		230	8	485	259	677	5	0.6	< 0.2	< 0.03	< 0.05	< 0.05	< 0.05
5/18/2009	MW-23	NS												
5/18/2009	MW-24	NS												
5/18/2009	MW-25	NS												
5/18/2009	MW-26	NS												
5/18/2009	MW-27	NS												
5/18/2009	MW-28	NS												
5/18/2009	MW-29	NS												
5/18/2009	MW-30	NS												
5/18/2009	MW-31	NS												
5/18/2009	MW-32		339	10	525	352	460	5	0.9	< 0.2	< 0.03	< 0.05	< 0.05	< 0.05
5/18/2009	MW-33	NS												

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