

Rio Algom Mining LLC

August 29, 2008

ADDRESSEE ONLY

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

Re: **License SUA-1473, Docket No. 40-8905**
Semiannual Effluent Report - 1st 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 2008 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,



Donald Sweeney
Environmental Department Supervisor
Radiation Safety Officer

Attachment

xc: T. Fletcher
NRC (document control)
file

IE17
FSME

**RIO ALGOM MINING LLC
AMBROSIA LAKE FACILITY**

License SUA – 1473 Docket 40 – 8905

**Semi – Annual
Effluent Report
1st half 2008**

August 29, 2008

Rio Algom Mining LLC
Ambrosia Lake Facility

License SUA-1473
Docket Number 40-8905

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 2008

1st Quarter 2008					Substation	2nd Quarter 2008				
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	2.3E-18	< 1.0		U-nat	8.0E-18	7.7E-20	3.4E-18	< 1.0
Th-230	5.2E-17	2.2E-17	2.5E-17	< 1.0		Th-230	7.1E-17	1.7E-17	1.4E-17	< 1.0
Ra-226	1.8E-18	2.7E-18	7.3E-18	< 1.0		Ra-226	2.4E-17	6.0E-18	1.3E-17	< 1.0
Pb-210	6.2E-16	4.5E-17	4.5E-17	< 1.0		Pb-210	1.2E-15	7.8E-17	7.5E-17	< 1.0

1st Quarter 2008					Section 17 VH 4	2nd Quarter 2008				
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	2.2E-18	< 1.0		U-nat	4.6E-18	4.4E-20	3.3E-18	< 1.0
Th-230	1.7E-17	7.7E-18	9.0E-18	< 1.0		Th-230	1.2E-17	1.4E-17	2.0E-17	< 1.0
Ra-226	1.7E-18	1.6E-18	6.4E-18	< 1.0		Ra-226	8.8E-18	8.4E-18	2.1E-17	< 1.0
Pb-210	5.3E-16	4.3E-17	4.0E-17	< 1.0		Pb-210	1.1E-15	6.4E-17	6.3E-17	< 1.0

High Volume Environmental Air Samples
 1st Half 2008

1st Quarter 2008					Mill Diversion	2nd Quarter 2008				
Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit		Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit
U-nat	9.4E-18	2.4E-19	2.8E-18	< 1.0		U-nat	5.9E-17	5.7E-19	4.3E-18	< 1.0
Th-230	1.6E-16	2.1E-17	1.2E-17	< 1.0		Th-230	1.1E-15	5.8E-17	1.5E-17	5.5
Ra-226	2.7E-17	6.1E-18	1.2E-17	< 1.0		Ra-226	1.4E-16	1.5E-17	1.9E-17	< 1.0
Pb-210	1.3E-15	8.1E-17	7.8E-17	< 1.0		Pb-210	1.2E-15	8.1E-17	8.2E-17	< 1.0

High Volume Environmental Air Samples
1st Half 2008

1st Quarter 2008					Section 30 West VH 6				
					2nd Quarter 2008				
Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit	Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit
U-nat	4.2E-18	1.1E-19	2.4E-18	< 1.0	U-nat	2.1E-17	2.0E-19	3.4E-18	< 1.0
Th-230	4.7E-17	1.0E-17	9.0E-18	< 1.0	Th-230	9.7E-17	1.8E-17	1.3E-17	< 1.0
Ra-226	2.6E-18	1.7E-18	5.0E-18	< 1.0	Ra-226	8.8E-18	8.4E-18	2.1E-17	< 1.0
Pb-210	1.3E-15	6.9E-17	5.7E-17	< 1.0	Pb-210	1.1E-15	6.4E-17	6.3E-17	< 1.0

1st Quarter 2008					North Fence				
					2nd Quarter 2008				
Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit	Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit
U-nat	9.8E-18	2.5E-19	2.6E-18	< 1.0	U-nat	5.0E-17	4.8E-19	3.9E-18	< 1.0
Th-230	9.2E-17	1.5E-17	1.1E-17	< 1.0	Th-230	2.2E-16	2.8E-17	1.6E-17	1.1
Ra-226	1.1E-17	4.0E-18	1.1E-17	< 1.0	Ra-226	9.4E-17	1.4E-17	2.3E-17	< 1.0
Pb-210	1.2E-15	7.3E-17	6.4E-17	< 1.0	Pb-210	1.0E-15	7.0E-17	7.8E-17	< 1.0

High Volume Environmental Air Samples
1st Half 2008

1st Quarter 2008					KGL-North					2nd Quarter 2008				
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	6.3E-19	2.5E-18	< 1.0	U-nat	5.2E-17	5.0E-19	4.2E-18	< 1.0	U-nat	5.2E-17	5.0E-19	4.2E-18	< 1.0
Th-230	1.1E-16	1.6E-17	9.8E-18	< 1.0	Th-230	6.5E-16	8.0E-17	4.4E-17	3.3	Th-230	6.5E-16	8.0E-17	4.4E-17	3.3
Ra-226	7.5E-18	2.3E-18	5.6E-18	< 1.0	Ra-226	5.8E-17	4.8E-17	1.5E-16	< 1.0	Ra-226	5.8E-17	4.8E-17	1.5E-16	< 1.0
Pb-210	9.0E-16	5.6E-17	5.0E-17	< 1.0	Pb-210	1.2E-15	7.9E-17	7.9E-17	< 1.0	Pb-210	1.2E-15	7.9E-17	7.9E-17	< 1.0

1st Quarter 2008					KGL-South					2nd Quarter 2008				
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	2.9E-18	7.4E-20	2.1E-18	< 1.0	U-nat	1.6E-17	1.6E-19	3.1E-18	< 1.0	U-nat	1.6E-17	1.6E-19	3.1E-18	< 1.0
Th-230	9.9E-17	1.4E-17	8.6E-18	< 1.0	Th-230	1.2E-16	1.8E-17	1.2E-17	< 1.0	Th-230	1.2E-16	1.8E-17	1.2E-17	< 1.0
Ra-226	4.0E-18	2.3E-18	6.2E-18	< 1.0	Ra-226	9.2E-18	8.0E-18	1.8E-17	< 1.0	Ra-226	9.2E-18	8.0E-18	1.8E-17	< 1.0
Pb-210	1.4E-15	8.6E-17	7.4E-17	< 1.0	Pb-210	1.7E-15	8.5E-17	7.4E-17	< 1.0	Pb-210	1.7E-15	8.5E-17	7.4E-17	< 1.0

Vegetation

Location: Substation Date: June 2008 Sample Media: Vegetation				Location: Mill Diversion Date: June 2008 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	No vegetation sample collected due to drought conditions which prevented any measurable vegetation from growing in this area.			U-nat	1.6E-04	1.5E-06	3.4E-05
Th-230				Th-230	2.7E-03	1.3E-03	1.5E-03
Ra-226				Ra-226	1.4E-03	1.3E-03	3.8E-03
Pb-210				Pb-210	0.0E+00	5.7E-03	1.6E-02

Location: Section 30 West VH6 Date: June 2008 Sample Media: Vegetation				Location: North Fence Date: June 2008 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	3.7E-04	3.4E-06	4.1E-05	U-nat	2.8E-04	2.7E-06	3.4E-05
Th-230	5.1E-04	1.1E-03	1.6E-03	Th-230	9.6E-04	1.2E-03	1.7E-03
Ra-226	3.5E-03	1.8E-03	4.6E-03	Ra-226	2.2E-03	1.5E-03	3.9E-03
Pb-210	8.3E-03	6.7E-03	1.7E-02	Pb-210	6.1E-04	5.0E-03	1.4E-02

Vegetation

Location: Section 17 VH 4
 Date: June 2008
 Sample Media: Vegetation

Location: KGL-North
 Date: June 2008
 Sample Media: Vegetation

Nuclide	Conc. (uCi/kg)	Error (uCi/kg)	LLD (uCi/kg)
U-nat	No vegetation sample collected due to drought conditions which prevented any measurable vegetation from growing in this area.		
Th-230			
Ra-226			
Pb-210			

Nuclide	Conc. (uCi/kg)	Error (uCi/kg)	LLD (uCi/kg)
U-nat	-3.4E-05	-1.8E-06	3.4E-05
Th-230	-5.0E-05	8.7E-04	1.4E-03
Ra-226	3.0E-03	1.6E-03	3.9E-03
Pb-210	3.2E-03	4.1E-03	1.3E-02

Location: KGL-South
 Date: June 2008
 Sample Media: Vegetation

Nuclide	Conc. (uCi/kg)	Error (uCi/kg)	LLD (uCi/kg)
U-nat	6.1E-05	3.2E-06	3.4E-05
Th-230	2.7E-04	9.7E-04	1.5E-03
Ra-226	3.1E-03	1.6E-03	3.7E-03
Pb-210	3.9E-03	4.0E-03	1.2E-02

Soil

Location: Substation Date: June 2008 Sample Media: Soil				Location: Mill Diversion Date: June 2008 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	9.4E-07	4.0E-08	3.4E-08	U-nat	3.2E-06	1.4E-07	3.4E-08
Th-230	3.5E-06	7.4E-07	6.0E-07	Th-230	5.0E-05	2.5E-06	6.4E-07
Ra-226	3.4E-06	9.8E-07	1.8E-06	Ra-226	2.0E-05	2.1E-06	1.9E-06
Pb-210	7.1E-06	1.5E-06	4.3E-06	Pb-210	1.2E-05	1.5E-06	3.7E-06

Location: Section 30 West VH6 Date: June 2008 Sample Media: Soil				Location: North Fence Date: June 2008 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-06	2.5E-07	3.4E-08	U-nat	7.5E-07	3.2E-08	3.4E-08
Th-230	5.4E-06	9.0E-07	6.40E-07	Th-230	9.7E-07	5.2E-07	6.3E-07
Ra-226	8.1E-06	1.5E-06	2.00E-06	Ra-226	1.3E-06	8.6E-07	2.2E-06
Pb-210	1.1E-05	1.5E-06	4.20E-06	Pb-210	1.1E-05	2.6E-06	7.8E-06

Soil

Location: Section 17 VH 4
Date: June 2008
Sample Media: Soil

Nuclide	Conc. (uCi/g)	Error (uCi/g)	LLD (uCi/g)
U-nat	7.5E-07	3.2E-08	3.4E-08
Th-230	9.1E-07	4.6E-07	5.4E-07
Ra-226	2.6E-06	8.6E-07	1.7E-06
Pb-210	3.7E-06	1.6E-06	4.9E-06

Location: KGL-North
Date: June 2008
Sample Media: Soil

Nuclide	Conc. (uCi/g)	Error (uCi/g)	LLD (uCi/g)
U-nat	1.1E-06	4.7E-08	3.4E-08
Th-230	2.2E-06	6.6E-07	6.5E-07
Ra-226	2.6E-06	9.5E-07	1.9E-06
Pb-210	2.4E-06	1.4E-06	4.2E-06

Location: KGL-South
Date: June 2008
Sample Media: Soil

Nuclide	Conc. (uCi/g)	Error (uCi/g)	LLD (uCi/g)
U-nat	1.7E-06	7.1E-08	3.4E-08
Th-230	3.7E-06	7.8E-07	6.3E-07
Ra-226	4.9E-06	1.2E-06	2.0E-06
Pb-210	3.8E-06	1.5E-06	4.5E-06

Sediment

Location: P-0 Date: June 2008 Sample Media: Sediment				Location: P-1 Date: June 2008 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	2.4E-06	1.0E-06	3.4E-08	U-nat	3.7E-05	1.6E-06	3.4E-08
Th-230	4.3E-06	1.0E-06	8.6E-07	Th-230	2.2E-05	1.7E-06	6.5E-07
Ra-226	8.5E-06	1.0E-06	1.0E-06	Ra-226	1.4E-05	1.3E-06	9.7E-07
Pb-210	1.2E-06	1.2E-06	3.4E-06	Pb-210	1.1E-05	1.7E-06	3.8E-06

Location: P-2 Date: June 2008 Sample Media: Sediment				Location: P-3 Date: June 2008 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	2.3E-06	9.8E-08	3.4E-08	U-nat	2.5E-06	1.0E-07	3.4E-08
Th-230	1.7E-06	5.6E-07	5.7E-07	Th-230	1.5E-06	5.4E-07	5.8E-07
Ra-226	3.2E-06	6.9E-07	1.0E-06	Ra-226	2.3E-06	6.2E-07	1.1E-06
Pb-210	2.0E-06	1.8E-06	4.6E-06	Pb-210	6.3E-07	1.7E-06	4.8E-06

Environmental Radon

Date: 1st Quarter 2008
Sample Media: Track Etch

Date: 2nd Quarter 2008
Sample Media: Track Etch

<u>Location</u>	<u>Rate pCi/L</u>	<u>Error pCi/L</u>
Substation	< 0.3	
Mill Diversion	1.6	0.1
Section 30W VH6	1.9	0.1
North Fence	2.3	0.1
Section 17 VH4	0.4	0.0
KGL-North	1.2	0.1
KGL-South	1.0	0.1

<u>Location</u>	<u>Rate pCi/L</u>	<u>Error pCi/L</u>
Substation	< 0.3	
Mill Diversion	1.8	0.1
Section 30W VH6	1.8	0.1
North Fence	1.7	0.1
Section 17 VH4	< 0.3	
KGL-North	1.1	0.1
KGL-South	1.3	0.1

Notes:

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

Environmental Gamma Radiation

Date: 1st Quarter 2008
Sample Media: Gamma

Date: 2nd Quarter 2008
Sample Media: Gamma

<u>Location</u>	<u>Rate (mRem/qtr)</u>
Substation	0
Mill Diversion	16
Section 30W VH6	3.6
North Fence	1.3
Section 17 VH4	0
Section 4 - #1	0
Section 4 - #2	0.6
Section 4 - #3	0

<u>Location</u>	<u>Rate (mRem/qtr)</u>
Substation	0
Mill Diversion	2.6
Section 30W VH6	6
North Fence	0.2
Section 17 VH4	0
Section 4 - #1	0
Section 4 - #2	0.3
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 2008

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 2008

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 2008

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)
2/18/2008	MW-12		14.71	NS										
2/18/2008	MW-13		29.26	NS										
2/18/2008	MW-22	34.19	36.78		7.36	11.1	5960	109	2800	5090	27.5	0.009	0.129	0.037
2/18/2008	MW-23	41.80	41.80	NS										
2/18/2008	MW-24		50.13	NS										
2/18/2008	MW-25		29.60	NS										
2/18/2008	MW-26	33.94	35.24		7.72	11.6	5980	6	45	320	1.61	0.0025	0.0026	0.0833
2/18/2008	MW-27		27.90	NS										
2/18/2008	MW-28		32.50	NS										
2/18/2008	MW-29		29.27	NS										
2/18/2008	MW-30		41.01	NS										
2/18/2008	MW-31		50.51	NS										
2/18/2008	MW-32	67.91	71.69		7.6	11.9	5870	115	3100	5210	22.3	0.014	0.0753	0.0842
2/18/2008	MW-33		59.42	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 - 1ST QUARTER 2008
SEMI-ANNUAL REPORT

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)
2/18/2008	MW-12	NS												
2/18/2008	MW-13	NS												
2/18/2008	MW-22		370.00	23.00	475.00	268	670	8.1	0.5	0.04	-0.005	0.04	-0.01	-0.01
2/18/2008	MW-23	NS												
2/18/2008	MW-24	NS												
2/18/2008	MW-25	NS												
2/18/2008	MW-26		229.00	7.00	63.90	11.3	38.5	7.2	0.5	-0.03	-0.005	-0.01	-0.01	-0.01
2/18/2008	MW-27	NS												
2/18/2008	MW-28	NS												
2/18/2008	MW-29	NS												
2/18/2008	MW-30	NS												
2/18/2008	MW-31	NS												
2/18/2008	MW-32		625.00	14.00	510.00	341	447	7.3	0.9	0.04	-0.005	0.04	-0.01	-0.01
2/18/2008	MW-33	NS												

Notes

1 - Well status listed as "NS" indicates the well was either dry or contained insufficient water for sample collection.



RIO ALGOM MINING LLC
DISCHARGE PERMIT - DP-71
MONITORING RESULTS - 1ST QUARTER 2007
SEMI-ANNUAL REPORT

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)
2/18/2008	MW-12									
2/18/2008	MW-13									
2/18/2008	MW-22	0.05	-0.0005	1.64	-0.01	-0.05	1	-0.01	0.02	
2/18/2008	MW-23									
2/18/2008	MW-24									
2/18/2008	MW-25									
2/18/2008	MW-26	1.07	0.0019	0.688	0.06	-0.01	2	-0.01	-0.01	
2/18/2008	MW-27									
2/18/2008	MW-28									
2/18/2008	MW-29									
2/18/2008	MW-30									
2/18/2008	MW-31									
2/18/2008	MW-32	0.28	-0.0005	0.815	-0.02	-0.05	2.9	-0.02	-0.01	
2/18/2008	MW-33									

Notes

1

Well status listed as "NS" indicates the well was either dry or contained insufficient water for sample collection.




RIO ALGOM MINING LLC
 DISCHARGE PERMIT - DP-71
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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)
6/12/2008	MW-12		13.30	NS										
6/12/2008	MW-13		29.27	NS										
6/17/2008	MW-22	34.30	36.80		7.36	15.2	5620	110	2800	4490	67	0.011	0.309	0.0263
6/12/2008	MW-23		41.73	NS										
6/12/2008	MW-24		50.11	NS										
6/12/2008	MW-25		29.61	NS										
6/17/2008	MW-26	35.11	35.26	NS										
6/12/2008	MW-27		27.88	NS										
6/12/2008	MW-28		32.48	NS										
6/12/2008	MW-29		29.25	NS										
6/12/2008	MW-30		41.01	NS										
6/12/2008	MW-31		50.51	NS										
6/17/2008	MW-32	68.01	71.61		7.2	14.5	5280	110	2800	4530	46.5	0.009	0.141	0.0646
6/12/2008	MW-33		59.33	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.



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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)
6/12/2008	MW-12	NS												
6/12/2008	MW-13	NS												
6/17/2008	MW-22		242.00	< 2	465.00	249	705	10	0.5	0.40	< 0.03	< 0.05	< 0.05	< 0.05
6/12/2008	MW-23	NS												
6/12/2008	MW-24	NS												
6/12/2008	MW-25	NS												
6/17/2008	MW-26	NS												
6/12/2008	MW-27	NS												
6/12/2008	MW-28	NS												
6/12/2008	MW-29	NS												
6/12/2008	MW-30	NS												
6/12/2008	MW-31	NS												
6/17/2008	MW-32		400.00	< 2	518.00	348	502	11	1	0.50	< 0.03	< 0.05	< 0.05	< 0.05
6/12/2008	MW-33	NS												

Notes

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 MONITORING RESULTS - 2ND QUARTER 2008
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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)
6/12/2008	MW-12									
6/12/2008	MW-13									
6/17/2008	MW-22	< 0.1	< 0.0005	0.42	< 0.05	< 0.05	0.3	< 0.05	< 0.05	0.94 & 0.81
6/12/2008	MW-23									
6/12/2008	MW-24									
6/12/2008	MW-25									
6/17/2008	MW-26									
6/12/2008	MW-27									
6/12/2008	MW-28									
6/12/2008	MW-29									
6/12/2008	MW-30									
6/12/2008	MW-31									
6/17/2008	MW-32	2	< 0.0005	0.81	0.06	< 0.05	0.3	< 0.05	< 0.05	0.65 & 1.6
6/12/2008	MW-33									

Notes

1 -

Well status listed as "NS" indicates the well was either dry or contained insufficient water for sample collection.