

# Rio Algom Mining LLC

February 28, 2017

ADDRESSEE ONLY

Mr. Jeffrey Whited, Project Manager  
Materials Decommissioning Branch  
Office of Nuclear Material Safety and Safeguards  
U.S. Nuclear Regulatory Commission  
Two White Flint North, Mailstop T-8F05  
11545 Rockville Pike  
Rockville, MD 20852

CERTIFIED MAIL

Re: **License SUA-1473, Docket No. 40-8905**  
**Semiannual Effluent Report – 2nd Half 2016**

Dear Mr. Whited,

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 2<sup>nd</sup> half 2016 Semiannual Report for the Ambrosia Lake facility.

During the site reclamation project in 2014, the earth moving activities by Conestoga Rovers and Associates (CRA) flattened the sediment sampling location P-0 to where the drainage wash is no longer there. This location is no longer being sampled.

The environmental High Volume air sample results presented in this semiannual report show <1% of their effluent concentration in 10 CFR 20 Appendix B for each isotope with no discernable trend from first to second quarter. The 4<sup>th</sup> quarter data was not received from the laboratory in time to present herein. This data will be reported in the first 2017 semiannual report.

The quarterly dose rates at each monitoring location remained relatively consistent from third to fourth quarter 2016.

With regard to Lower limits of Detection (LLDs) for the soil sediment and vegetation samples we have been able to successfully identify a laboratory which can meet these LLD's for soil and sediment. However, we have been unsuccessful in finding a laboratory that can consistently meet the stringent LLD's for vegetation as prescribed in Regulatory Guide 4.14.

RAML has submitted a request to terminate this monitoring. The NRC concurred this monitoring can be terminated so soil, sediment and vegetation sampling will not occur in 2017 as part of the routine environmental monitoring program.

If you have any questions or need additional information, please do not hesitate to call me at (505) 298-4224.

Regards,



Michael Schierman  
Radiation Safety Officer

Attachment

cc: NRC (document control)  
File

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Environmental Gamma Radiation  
2016

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3rd Quarter		4th Quarter	
Sample Media: Gamma		Sample Media: Gamma	
Date: 1/1/2016 - 3/31/2016		Date: 4/1/2016 - 6/30/2016	
Location:	Rate (mrem/qtr)	Location:	Rate (mrem/qtr)
Substation	5.6	Substation	11.5
Mill Diversion	7.5	Mill Diversion	9.2
Section 30W VH6	58.7	Section 30W VH6	57.9
North Fence	12.3	North Fence	6.5
Section 17 VH4	9.5	Section 17 VH4	7.3
Section 4 - #1	8.2	Section 4 - #1	13.4
Section 4 - #2	16.6	Section 4 - #2	13.0
Section 4 - #3	9.3	Section 4 - #3	NA

Notes:

Values are net after subtraction of control value in Grants.  
Section 4-#3 dosimeter was lost while in the field.

Environmental Radon  
 2016

3rd Quarter  
 Sample Media: Track Etch

Location:	Rate pCi/L	Error pCi/L
Substation	0.5	0.1
Mill Diversion	1.7	0.3
Section 30W VH6	2.6	0.3
North Fence	2.1	0.3
North Fence Duplicate	2.1	0.3
Section 17 VH4	0.4	0.1
Section 17 Duplicate	0.4	0.1
KGL - North	1.5	0.2
KGL-North Duplicate	1.4	0.2
KGL - South	1.2	0.2

4th Quarter  
 Sample Media: Track Etch

Location:	Rate pCi/L	Error pCi/L
Substation	0.8	0.2
Mill Diversion	2.4	0.4
Section 30W VH6	3.5	0.5
North Fence	3.0	0.5
North Fence Duplicate	2.9	0.5
Section 17 VH4	0.4	0.2
Section 17 VH4 Duplicate	0.5	0.2
KGL - North	2.2	0.4
KGL-North Duplicate	2.1	0.4
KGL - South	2.1	0.4

Notes:

High Volume Environmental Air Samples  
2016

1st Quarter					2nd Quarter				
Substation									
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	2.8E-16	2.5E-18	< 1.0	U-nat	2.6E-18	1.5E-19	2.6E-18	< 1.0
Th-230	3.9E-18	4.9E-18	7.3E-18	< 1.0	Th-230	1.1E-17	5.8E-18	7.7E-18	< 1.0
Ra-226	4.6E-18	2.1E-18	4.0E-18	< 1.0	Ra-226	2.5E-18	2.5E-18	4.8E-18	< 1.0
Pb-210	8.1E-16	3.8E-17	4.6E-17	< 1.0	Pb-210	7.0E-16	3.1E-17	8.4E-17	< 1.0

1st Quarter					2nd Quarter				
Section 17 VH4									
Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit	Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit
U-nat	2.6E-18	2.9E-16	2.6E-18	< 1.0	U-nat	2.6E-18	1.5E-19	2.6E-18	< 1.0
Th-230	3.3E-18	4.5E-18	7.6E-18	< 1.0	Th-230	9.9E-19	5.2E-18	9.9E-18	< 1.0
Ra-226	7.6E-20	2.0E-18	3.7E-18	< 1.0	Ra-226	3.6E-18	2.3E-18	3.9E-18	< 1.0
Pb-210	7.2E-16	4.4E-17	6.1E-17	< 1.0	Pb-210	7.2E-16	2.8E-17	6.6E-17	< 1.0

1st Quarter					2nd Quarter				
Mill Diversion									
Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit	Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit
U-nat	3.5E-18	2.8E-16	2.5E-18	< 1.0	U-nat	3.1E-18	1.8E-19	3.1E-18	< 1.0
Th-230	1.4E-17	5.4E-18	6.9E-18	< 1.0	Th-230	6.9E-18	6.7E-18	9.1E-18	< 1.0
Ra-226	7.0E-18	2.6E-18	5.8E-18	< 1.0	Ra-226	6.1E-18	2.6E-18	7.0E-18	< 1.0
Pb-210	9.6E-16	4.2E-17	4.6E-17	< 1.0	Pb-210	1.2E-15	3.6E-17	7.5E-17	< 1.0

1st Quarter					2nd Quarter				
Section 30 West VH6									
Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit	Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit
U-nat	1.8E-17	5.1E-15	4.6E-17	< 1.0	U-nat	9.1E-18	5.3E-19	1.6E-14	< 1.0
Th-230	1.3E-17	1.5E-17	2.3E-17	< 1.0	Th-230	1.5E-17	2.3E-17	3.2E-17	< 1.0
Ra-226	2.6E-17	1.1E-17	1.2E-17	< 1.0	Ra-226	1.5E-17	1.1E-17	1.2E-17	< 1.0
Pb-210	7.8E-16	8.9E-17	1.5E-16	< 1.0	Pb-210	9.1E-16	9.1E-16	7.9E-17	< 1.0

High Volume Environmental Air Samples  
2016

1st Quarter					2nd Quarter				
North Fence									
Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit	Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit
U-nat	1.8E-17	5.1E-15	9.1E-18	< 1.0	U-nat	9.0E-18	5.2E-19	9.0E-18	< 1.0
Th-230	4.0E-17	2.0E-17	2.8E-17	< 1.0	Th-230	6.7E-18	1.6E-17	2.5E-17	< 1.0
Ra-226	2.3E-17	9.4E-18	1.5E-17	< 1.0	Ra-226	1.9E-17	6.7E-18	1.3E-17	< 1.0
Pb-210	8.8E-16	1.1E-16	1.9E-16	< 1.0	Pb-210	8.1E-16	8.4E-17	2.7E-16	< 1.0

1st Quarter					2nd Quarter				
KGL - North									
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-18	2.8E-16	2.5E-18	< 1.0	U-nat	2.7E-18	1.5E-19	2.7E-18	< 1.0
Th-230	1.8E-17	5.8E-18	6.7E-18	0.09%	Th-230	6.4E-18	6.4E-18	7.6E-18	< 1.0
Ra-226	4.3E-18	1.9E-18	1.9E-18	< 1.0	Ra-226	2.6E-18	2.6E-18	2.3E-18	< 1.0
Pb-210	6.6E-16	3.6E-17	4.4E-17	< 1.0	Pb-210	7.9E-16	3.2E-17	7.9E-17	< 1.0

1st Quarter					2nd Quarter				
KGL - South									
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	2.8E-16	2.5E-18	< 1.0	U-nat	3.5E-18	2.0E-19	3.5E-18	< 1.0
Th-230	5.7E-18	6.2E-18	7.4E-18	< 1.0	Th-230	1.1E-17	6.1E-18	9.4E-18	< 1.0
Ra-226	8.1E-18	2.4E-18	1.8E-18	< 1.0	Ra-226	7.4E-18	2.9E-18	7.9E-18	< 1.0
Pb-210	9.6E-16	4.1E-17	4.7E-17	< 1.0	Pb-210	9.4E-16	3.6E-17	8.0E-17	< 1.0

High Volume Environmental Air Samples  
2016

3rd Quarter					4th Quarter				
					Substation				
Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit	Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit
U-nat	2.4E-18	8.1E-23	2.4E-18	< 1.0	Data not received from lab, will report in first halt 2017 effluent report				
Th-230	4.2E-18	4.6E-18	7.0E-18	< 1.0					
Ra-226	4.8E-18	2.0E-18	3.8E-18	< 1.0					
Pb-210	8.4E-16	3.7E-17	4.4E-17	< 1.0					

3rd Quarter					4th Quarter				
					Section 17 VH4				
Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit	Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit
U-nat	2.4E-18	8.1E-23	2.4E-18	< 1.0	Data not received from lab, will report in first halt 2017 effluent report				
Th-230	5.6E-18	4.3E-18	7.1E-18	< 1.0					
Ra-226	4.5E-18	1.9E-18	3.5E-18	< 1.0					
Pb-210	9.2E-16	4.1E-17	5.7E-17	< 1.0					

3rd Quarter					4th Quarter				
					Mill Diversion				
Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit	Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit
U-nat	2.7E-18	9.0E-23	2.7E-18	< 1.0	Data not received from lab, will report in first halt 2017 effluent report				
Th-230	7.5E-18	5.7E-18	7.3E-18	< 1.0					
Ra-226	4.7E-18	2.7E-18	6.1E-18	< 1.0					
Pb-210	1.1E-15	4.5E-17	4.9E-17	< 1.0					

3rd Quarter					4th Quarter				
					Section 30 West VH6				
Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit	Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit
U-nat	4.3E-17	1.5E-21	4.3E-17	< 1.0	Data not received from lab, will report in first halt 2017 effluent report				
Th-230	-2.6E-18	1.4E-17	2.2E-17	< 1.0					
Ra-226	1.8E-17	1.0E-17	1.1E-17	< 1.0					
Pb-210	1.2E-15	8.4E-17	1.4E-16	< 1.0					

High Volume Environmental Air Samples  
2016

3rd Quarter					4th Quarter				
					North Fence				
Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit	Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit
U-nat	1.0E-17	6.9E-23	1.0E-17	< 1.0	Data not received from lab, will report in first half 2017 effluent report				
Th-230	4.5E-18	2.3E-17	3.2E-17	< 1.0					
Ra-226	2.4E-17	1.1E-17	1.7E-17	< 1.0					
Pb-210	1.8E-15	1.2E-16	2.1E-16	< 1.0					

3rd Quarter					4th Quarter				
					KGL - North				
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-18	8.5E-23	2.5E-18	< 1.0	Data not received from lab, will report in first half 2017 effluent report				
Th-230	1.8E-18	5.8E-18	6.7E-18	< 1.0					
Ra-226	5.5E-18	1.9E-18	1.8E-18	< 1.0					
Pb-210	1.1E-15	3.6E-17	4.4E-17	< 1.0					

3rd Quarter					4th Quarter				
					KGL - South				
Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit	Nuclide	Conc. (uCi/ml)	Error (uCi/ml)	LLD (uCi/ml)	% Limit
U-nat	3.1E-18	1.3E-22	2.6E-18	< 1.0	Data not received from lab, will report in first half 2017 effluent report				
Th-230	2.1E-18	6.5E-18	7.7E-18	< 1.0					
Ra-226	4.7E-18	2.5E-18	1.9E-18	< 1.0					
Pb-210	1.0E-15	4.3E-17	4.9E-17	< 1.0					



Vegetation  
2016

3rd Quarter

Location:		Substation	
Date:			
Nuclide	Conc. (uCi/kg)	Error (uCi/kg)	LLD (uCi/kg)
U-nat	1.9E-04	3.9E-07	3.4E-05
Th-230	2.3E-03	1.0E-03	1.6E-03
Ra-226	1.1E-03	6.0E-04	5.2E-04
Pb-210	1.3E-02	4.4E-03	1.3E-02

4th Quarter

Location:		Substation	
Date:		23-Jun-16	
Nuclide	Conc. (uCi/kg)	Error (uCi/kg)	LLD (uCi/kg)
U-nat	1.9E-04	3.9E-07	3.4E-05
Th-230	2.3E-03	1.0E-03	1.6E-03
Ra-226	1.1E-03	6.0E-04	5.2E-04
Pb-210	1.3E-02	4.4E-03	1.3E-02

Location:		Mill Diversion	
Date:			
Nuclide	Conc. (uCi/kg)	Error (uCi/kg)	LLD (uCi/kg)
U-nat	1.2E-04	1.4E-07	3.4E-05
Th-230	-2.5E-04	1.1E-03	1.4E-03
Ra-226	2.5E-04	4.0E-04	4.8E-04
Pb-210	8.9E-03	3.9E-03	1.2E-02

Location:		Mill Diversion	
Date:		23-Jun-16	
Nuclide	Conc. (uCi/kg)	Error (uCi/kg)	LLD (uCi/kg)
U-nat	1.2E-04	1.4E-07	3.4E-05
Th-230	-2.5E-04	1.1E-03	1.4E-03
Ra-226	2.5E-04	4.0E-04	4.8E-04
Pb-210	8.9E-03	3.9E-03	1.2E-02

Location:		Section 30 West VH6	
Date:			
Nuclide	Conc. (uCi/kg)	Error (uCi/kg)	LLD (uCi/kg)
U-nat	1.0E-03	1.2E-05	3.4E-05
Th-230	-1.0E-05	9.2E-04	1.5E-03
Ra-226	4.2E-03	8.5E-04	1.1E-03
Pb-210	5.5E-04	3.8E-03	1.3E-02

Location:		Section 30 West VH6	
Date:		23-Jun-16	
Nuclide	Conc. (uCi/kg)	Error (uCi/kg)	LLD (uCi/kg)
U-nat	1.0E-03	1.2E-05	3.4E-05
Th-230	-1.0E-05	9.2E-04	1.5E-03
Ra-226	4.2E-03	8.5E-04	1.1E-03
Pb-210	5.5E-04	9.2E-04	1.5E-03

Location:		North Fence	
Date:			
Nuclide	Conc. (uCi/kg)	Error (uCi/kg)	LLD (uCi/kg)
U-nat	3.0E-04	1.0E-06	3.4E-05
Th-230	4.1E-04	9.5E-04	1.4E-03
Ra-226	3.1E-03	7.2E-04	1.1E-03
Pb-210	1.9E-02	3.4E-03	9.4E-03

Location:		North Fence	
Date:		23-Jun-16	
Nuclide	Conc. (uCi/kg)	Error (uCi/kg)	LLD (uCi/kg)
U-nat	3.0E-04	1.0E-06	3.4E-05
Th-230	4.1E-04	9.5E-04	1.4E-03
Ra-226	3.1E-03	7.2E-04	1.1E-03
Pb-210	1.9E-02	3.4E-03	9.4E-03

Vegetation  
2016

3rd Quarter

Location:		Section 17 VH4	
Date:			
Nuclide	Conc. (uCi/kg)	Error (uCi/kg)	LLD (uCi/kg)
U-nat	8.1E-05	7.2E-08	3.4E-05
Th-230	-1.9E-04	9.7E-04	1.5E-03
Ra-226	1.3E-03	5.8E-04	1.0E-03
Pb-210	1.4E-02	5.0E-03	1.5E-02

Location:		KGL - North	
Date:			
Nuclide	Conc. (uCi/kg)	Error (uCi/kg)	LLD (uCi/kg)
U-nat	1.7E-04	3.1E-07	3.4E-05
Th-230	2.6E-04	1.1E-03	1.4E-03
Ra-226	1.4E-03	4.7E-04	1.5E-03
Pb-210	5.8E-03	3.7E-03	1.2E-02

Location:		KGL - South	
Date:			
Nuclide	Conc. (uCi/kg)	Error (uCi/kg)	LLD (uCi/kg)
U-nat	1.2E-04	1.6E-07	4.1E-05
Th-230	1.9E-03	1.2E-03	1.7E-03
Ra-226	8.9E-04	7.3E-04	7.8E-04
Pb-210	2.6E-02	5.0E-03	1.4E-02

4th Quarter

Location:		Section 17 VH4	
Date:		23-Jun-16	
Nuclide	Conc. (uCi/kg)	Error (uCi/kg)	LLD (uCi/kg)
U-nat	8.1E-05	7.2E-08	3.4E-05
Th-230	-1.9E-04	9.7E-04	1.5E-03
Ra-226	1.3E-03	5.8E-04	1.0E-03
Pb-210	1.4E-02	5.0E-03	1.5E-02

Location:		KGL - North	
Date:		23-Jun-16	
Nuclide	Conc. (uCi/kg)	Error (uCi/kg)	LLD (uCi/kg)
U-nat	1.7E-04	3.1E-07	3.4E-05
Th-230	2.6E-04	1.1E-03	1.4E-03
Ra-226	1.4E-03	4.7E-04	1.5E-03
Pb-210	5.8E-03	3.7E-03	1.2E-02

Location:		KGL - South	
Date:		23-Jun-16	
Nuclide	Conc. (uCi/kg)	Error (uCi/kg)	LLD (uCi/kg)
U-nat	1.2E-04	1.6E-07	4.1E-05
Th-230	1.9E-03	1.2E-03	1.7E-03
Ra-226	8.9E-04	7.3E-04	7.8E-04
Pb-210	2.6E-02	5.0E-03	1.4E-02

Location:		Substation	
Date:		3/16/2015	
Nuclide	Conc. (uCi/g)	Error (uCi/g)	LLD (uCi/g)
U-nat	8.7E-07	3.2E-08	3.4E-08
Th-230	8.4E-07	4.1E-07	5.2E-07
Ra-226	6.3E-07	1.5E-07	1.0E-07
Pb-210	-1.8E-06	1.1E-06	3.1E-06

Location:		Mill Diversion	
Date:		3/16/2015	
Nuclide	Conc. (uCi/g)	Error (uCi/g)	LLD (uCi/g)
U-nat	6.6E-07	2.4E-08	3.4E-08
Th-230	6.2E-07	4.0E-07	5.4E-07
Ra-226	6.5E-07	1.8E-07	1.2E-07
Pb-210	-2.3E-06	1.5E-06	4.1E-06

Location:		Section 30 West VH6	
Date:		3/16/2015	
Nuclide	Conc. (uCi/g)	Error (uCi/g)	LLD (uCi/g)
U-nat	1.2E-05	4.5E-07	3.4E-08
Th-230	2.3E-06	6.2E-07	6.5E-07
Ra-226	1.9E-06	2.8E-07	1.3E-07
Pb-210	1.5E-06	1.3E-06	3.3E-06

Location:		North Fence	
Date:		3/16/2015	
Nuclide	Conc. (uCi/g)	Error (uCi/g)	LLD (uCi/g)
U-nat	7.0E-07	2.6E-08	3.4E-08
Th-230	1.5E-07	3.2E-07	5.3E-07
Ra-226	3.1E-07	1.5E-07	1.2E-07
Pb-210	-3.2E-06	1.3E-06	3.8E-06

Location:		Section 17 VH4	
Date:		3/16/2015	
Nuclide	Conc. (uCi/g)	Error (uCi/g)	LLD (uCi/g)
U-nat	6.4E-07	2.3E-08	3.4E-08
Th-230	5.6E-07	4.7E-07	6.2E-07
Ra-226	9.0E-07	2.6E-07	1.4E-07
Pb-210	1.9E-06	2.8E-07	1.3E-07

Location:		KGL - North	
Date:		3/16/2015	
Nuclide	Conc. (uCi/g)	Error (uCi/g)	LLD (uCi/g)
U-nat	1.4E-06	5.1E-08	3.4E-08
Th-230	3.0E-08	3.0E-07	6.0E-07
Ra-226	4.7E-07	2.3E-07	1.4E-07
Pb-210	-1.8E-06	1.2E-06	3.3E-06

Location:		KGL - South	
Date:		3/16/2015	
Nuclide	Conc. (uCi/g)	Error (uCi/g)	LLD (uCi/g)
U-nat	1.3E-06	4.8E-08	3.4E-08
Th-230	1.2E-06	8.2E-07	5.8E-07
Ra-226	1.0E-06	2.1E-07	1.1E-07
Pb-210	-3.5E-06	1.3E-06	3.6E-06

Sediment  
 2015

Location: P-0			
Date: 3/16/2015			
Nuclide	Conc. (uCi/g)	Error (uCi/g)	LLD (uCi/g)
U-nat	Removed during reclamation activities		
Th-230			
Ra-226			
Pb-210			

Location: P-1			
Date: 3/16/2015			
Nuclide	Conc. (uCi/g)	Error (uCi/g)	LLD (uCi/g)
U-nat	7.2E-06	2.7E-07	3.4E-08
Th-230	3.9E-05	2.2E-06	6.0E-07
Ra-226	8.1E-06	5.0E-07	1.0E-07
Pb-210	2.9E-06	1.5E-06	3.7E-06

Location: P-2			
Date: 3/16/2015			
Nuclide	Conc. (uCi/g)	Error (uCi/g)	LLD (uCi/g)
U-nat	2.8E-06	1.0E-07	3.4E-08
Th-230	2.1E-06	5.5E-07	5.6E-07
Ra-226	3.0E-06	3.0E-07	2.4E-07
Pb-210	-2.0E-06	1.3E-06	3.6E-06

Location: P-3			
Date: 3/16/2015			
Nuclide	Conc. (uCi/g)	Error (uCi/g)	LLD (uCi/g)
U-nat	#NAME?	1.2E-08	3.4E-08
Th-230	7.4E-07	4.4E-07	5.6E-07
Ra-226	5.0E-07	2.0E-07	2.7E-07
Pb-210	-4.1E-06	1.4E-06	4.0E-06