Attachment 2.9-7 Technical Memorandum: Radiological Vegetation, Soils, and Sediment Sampling

TECHNICAL MEMORANDUM

TO: Ur-Energy Inc.

FROM: AATA International, Inc.

DATE: April 2010

SUBJECT: Radiological Vegetation, Soils, and Sediment Sampling

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1.0 INTRODUCTION

AATA collected samples of vegetation, soils, and sediment from the Lost Creek Permit Area between September 2008 and July 2009, which were analyzed for various radiological parameters by Energy Laboratories, Inc. (ELI) in Casper, Wyoming. The results of these sampling efforts are presented in this memorandum.

2.0 VEGETATION SAMPLING

As detailed in Sections 2.8.1 and 3.6.1 of the Technical Report and Environmental Report, respectively, two vegetation types were identified in the Permit Area. Both of these vegetation types are dominated by Big Sagebrush. The vegetation samples for radiological analysis were collected primarily from upland sites; **Figure VSS-1** is a photograph of a typical vegetation sampling location.

Methods: The sampling objective was to quantify baseline radiological characteristics of vegetation in several portions of the Permit Area, including vegetation downwind of the Plant, in areas of potential radon deposition, and in areas of different baseline gamma activity. **Figure VSS-2** shows the 2008 and 2009 vegetation sampling locations.

Downwind of the Plant - Sites A, B, and C were sampled in summer 2008, and the results presented in a technical memorandum from AATA International to Ur-Energy dated January 16, 2009 (LC ISR, LLC Response to RAI 2.9 #3); these sites were not re-sampled in 2009.
Areas of Potential Radon Deposition - Sites D and E correspond with the areas with highest predicted radon-daughter activity during operations, as modeled by MILDOS; the rectangular sampling areas are oriented to maximize coverage of predicted high radon areas.
Areas of Different Baseline Gamma Activity - Sites F, G, H and I correspond with high gamma readings during the initial site gamma scan, although it should be noted that sites F and H have been disturbed by the drilling program since that study. The sampling areas for sites F, G, H and I are oriented to maximize coverage of high gamma areas. Site J represents low gamma and predicted radon daughter activity; the sampling site is oriented to maximize coverage of low gamma areas.

Samples were collected from sites D, E, F, G, H, I, and J three times during the 2009 growing season at two to three week intervals: June 24 and 25, July 9 and 10, and July 28 and 29. During the first sampling event, a transect was established along the north- or northeastern boundary of each area, and grazing fodder within 16.5 feet (5 meters) of those transects was sampled. During

subsequent sampling events, the transect in each area was relocated 33 ft (10 meters) to the south or southwest, and parallel to the first transect.

Sagebrush, rabbitbrush, succulents, and other non-grazing vegetation were avoided, since they are generally not consumed by cattle, and therefore any radionuclides that might be present in shrubs or succulents are less likely to enter the human food chain. In addition, sampling of shrubs (especially sagebrush) can be detrimental to the plant survival. Historical data at a different uranium project in Wyoming shows that levels of uranium (U-nat), lead-210 (Pb-210), polonium-210 (Po-210), radium-226 (Ra-226), and thorium-230 (Th-230) are very similar between grasses and sagebrush (Conoco, 1980 in EMC, 2007). ELI analyzed the vegetation samples for these five parameters.

Results: Analytical results for vegetation samples are presented in **Table VSS-1**. Pb-210 ranged from 1.2E-4 to 1.5E-3 µCi/kg (average = 4.6E-4 µCi/kg), Po-210 ranged from 2.8E-6 to 3.3E-5 µCi/kg (average = 1.4E-5 µCi/kg), Ra-226 ranged from 5.4E-5 to 5.5E-4 µCi/kg (average = 1.4E-4 µCi/kg), Th-230 ranged from 6.4E-6 to 7.1E-5 µCi/kg (average = 2.0E-5 µCi/kg), and U-nat ranged from 0.019 to 0.15 mg/kg (average = 0.048 mg/kg). Original lab reports are included in **Addendum VSS-1**.

Figure VSS-3 shows that the mean measured level of each parameter increased between the first sample in late June and the final sample in late July. For all parameters except Po-210, the mean value for the early July sample was greater than the initial mean value, and less than the final mean value. Increased radiological activity and uranium concentrations over time may be due to vegetation becoming more dormant as summer progressed.

As shown in **Figure VSS-4**, the sites with high background gamma activity (F, G, H, and I) also averaged higher levels of all parameters except Po-210 than sites with lower background gamma (D, E, and J). The isotopes that were most markedly elevated at the high gamma sites were Ra-226 (90% higher) and Th-230 (42% higher).

3.0 SURFACE SOILS SAMPLING

Methods: The sampling objective was to quantify baseline radiological characteristics of surface soils in portions of the permit area that represent a wide range of background gamma activity and modeled radon deposition. Surface soil samples were collected from within the vegetation sampling sites D, E, F, G, H, I, and J on June 24 and 25, 2009. Soil sample locations are shown in **Figure 2**. The samples from sites D and E were collected at the center of the highest radon isopleths, as modeled by MILDOS, and field located using GPS. The precise location of the

remaining sites was determined in the field using a hand-held NaI detector. The surface soil samples at sites F, G, H and I were collected from the area with the highest gamma reading. The surface soil sample at site J was collected adjacent to the LCDS-W soil profile sampling site, in the undisturbed area with the lowest gamma reading. This location was chosen so that background gamma measurements, vegetation samples, soil profile samples, and surface soil samples were all collected at a single site.

Ten surface soil sub-samples were collected at each site along 33 x 33 foot (10 x 10 m) sampling grids, as described in Section 2.9.1.1 and Figure 2.9-2 of the Technical Report. Sub-samples were collected to a depth of 6 inches (15 cm), then composited into a single sample. After the soils were sampled, 70-80 gamma readings were taken along the scan trajectories shown in Figure 2.9-2 of the Technical Report. These readings were later repeated due to QA/QC concerns with the NaI detector used on June 24 and 25, 2009. ELI analyzed samples for U-nat, Ra-226, Th-230, and Pb-210.

Results: Analytical results for surface soil samples are presented in **Table VSS-2**. Pb-210 was present in detectible concentrations in only one sample, Ra-226 ranged from 1.3 to 6.5 pCi/g (average = 3.6 pCi/g), Th-230 ranged from 0.8 to 5.2 pCi/g (average = 2.3 pCi/g), and U-nat ranged from 2.1 to 23.6 mg/kg (average = 8.5 mg/kg). Original lab reports are included in **Addendum VSS-1**.

The soil sampling locations for sites F,G, H, I, and J were determined in the field with an NaI detector. The gamma measurements showed an unexpectedly high degree of variability when soil samples were collected on June 24 and 25. It was later determined that the instrument had a faulty coaxial cable, and not all instrument readings were reliable. Gamma measurements were repeated at each surface soil sampling site on July 9 and 10, and the average of these readings at each site are presented in **Table VSS-2**.

Because the surface soil sites were selected using unreliable gamma readings, sites F, G, H, and I do not all represent areas of elevated background gamma activity: the mean gamma at soil sites H and I was 27.6 and 38.9 μR/hr, respectively, as compared to 45.2 and 48.2 9 μR/hr at sites F and G. An unintended consequence is that the surface soil sampling sites represent a wide spectrum of gamma values, from 26.3 to 48.2 μR/hr. The linear regressions in **Figure VSS-5** show strong and statistically significant ($p < 0.005$) correlations between Ra-226, Th-230, and U-nat in the surface soils and background gamma activity.

4.0 SOIL PROFILE SAMPLING

Methods: The sampling objective was to characterize the baseline radiological characteristics of the soil profile in the soil types underlying and surrounding the Plant site. A detailed soil survey in September 2008 identified three distinct soil types within a half mile (0.8 km) of the Plant Site: Pepal Sandy Loam, Poposhia Loam, and Teagulf Sandy Loam. **Figure VSS-6** shows the soil profile sampling sites. Soil profiles were excavated and sampled at sites LSDS-C, LCDS-CE, and LCDS-S in September 2008. Additional samples were collected in December 2008 from locations LCDS-N, LCDS-E, and LCDS-W, which are approximately 2500 feet (750 m) from the center of the plant site. Each horizon was sampled according to the depth intervals identified in nearby soil profiles during the Summer 2006 soil survey. All samples were analyzed by ELI for Pb-210, Ra-226, Th-230, and U-nat.

Results: Analytical results for soil profile samples are presented in **Table VSS-3**. Pb-210 was present in detectible concentrations in only one sample, Ra-226 ranged from 0.8 to 2.8 pCi/g (average = 1.6 pCi/g), Th-230 ranged from 0.1 to 2.7 pCi/g (average = 1.1 pCi/g), and U-nat ranged from 0.52 to 4.84 mg/kg (average = 2.26 mg/kg). The highest values for Pb-210, Ra-226, and Th-230 occurred in the deepest sample from location LCDS-C, 33-60 inches. With the exception of location LCDS-C, Ra-226 generally decreased with depth, whereas Th-230 increased with depth at four of the six locations. The highest U-nat concentration occurred in the deepest sample from location LCDS-N, 33-40 inches, but there was no trend with depth that was generally consistent among the sampling locations. There also was no clear association between isotope activity or uranium concentration and soil type.

Five of the U-nat results were qualified by the laboratory; the reporting limit on those samples was increased due to sample matrix interference (generally caused by dilution). Because U-nat was present in concentrations that exceeded the reporting limit, the sample matrix interference is not believed to have affected the results. Original lab reports are included in **Addendum VSS-1**.

5.0 SEDIMENT SAMPLING

As detailed in Sections 2.7.1 and 3.5.1 of the Technical Report and Environmental Report, respectively, there are three watersheds in the Permit Area (**Figure VSS-7**). The associated drainages are naturally ephemeral and primarily flow (if at all) during spring snowmelt, when saturated overland flow when soil moisture is at a maximum. The drainages are typically incised three to six feet and are ten to fifteen feet wide near the downstream boundary of the Permit Area. The bed material in the larger draws is sandy textured and non-cohesive, and the draws are typically vegetated with sagebrush.

Methods: The sampling objective was to quantify the baseline radiological characteristics of the alluvium at the upstream and downstream Permit Area boundaries. Six sampling locations were selected on the three primary drainages, as shown in **Figure VSS-7**. An additional sampling location was selected at the Crooked Well Reservoir, a small on-site impoundment of East Battle Spring Draw which traps sediment when there is flow in the drainage.

Samples were collected on December 15, 2008, when the bed material was completely dry, but light snow had accumulated in some of the drainages (**Figure VSS-8**). At each sampling location, a transect was established across the channel or reservoir, and any snow was carefully removed. Ten to twenty subsamples were collected at a constant interval along the transect, to a depth of approximately three inches (eight cm). Subsamples were composited in a Ziploc bag, and analyzed by ELI for U-nat, Ra-226, Th-230, and Pb-210.

Results: Analytical results for sediment samples are presented in **Table VSS-4**. Pb-210 was not present in detectible concentrations, Ra-226 ranged from <0.2 to 1.3 pCi/g (average = 0.8 pCi/g, calculated with non-detects as half the detection limit), Th-230 ranged from <0.1 to 2.5 pCi/g (average = 1.0 pCi/g, calculated with non-detects as half the detection limit), and U-nat ranged from 1.0 to 5.0 mg/kg (average = 2.2 mg/kg). The highest concentrations of Th-230 and U-nat, and the second-highest concentration of Ra-226 occurred at site LCSS-6, Crooked Well Reservoir, which traps suspended and bedload sediment during runoff events. Within the same drainage, isotope and uranium concentrations were not consistently higher at either the upstream or downstream sampling locations. Original lab reports are included in **Addendum VSS-1**.

6.0 REFERENCES

Conoco, Inc. 1980. Environmental Report for the Sand Rock Mill Project, Campbell County, Wyoming. Docket No. 40-8743. July, 1980.

EMC (Energy Metals Corporation US). 2007. Application for US NRC Source Material License, Moore Ranch Uranium Project. Technical Report, Volume II. NRC website, ADAMS accession number ML072851268

Figure VSS-1 View along sampling transect at Vegetation Site A on July 22, 2008.

Site D
Site A
Site B
Site C
Site E
Site J
Site H
Site F
Site I
Site G

Lost Creek Permit Area

N

T25N- R93W-14
T25N- R93W-13
T25N- R92W-18
T25N- R93W-23
T25N- R93W-24
T25N- R92W-19
T25N- R92W-20
T25N- R92W-21
T25N- R93W-26
T25N- R93W-25
T25N- R92W-30
T25N- R92W-29

13 13 18 24 24 24 24 19 19 20 20

R 93 W R 92 W R 93 W R 92 W

7000 7020 7000 7000 6973 6947 6943 6950 6950 BM 6936 6920 6900 6900 6879 6867 6860 6850 6850

Lost Creek ISR, LLC
Littleton, Colorado USA

AATA INTERNATIONAL, INC
Fort Collins, Colorado, USA

Legend

- × Surface Soil Sample
- Maximum Anticipated Radon per MILDOS
- 2008 Vegetation Samples
- 2009 Vegetation Samples
- Plant Site
- Lost Creek Permit Area

FIGURE-VSS-2
Vegetation and Surface Soil Sampling Locations

Lost Creek Project

Issued/Revised: 03.03.10 Drawn By: HN

0 0.2 Miles

Figure VSS-3 Mean Measured Radiological Activity or Concentration in Vegetation Samples by Time Period

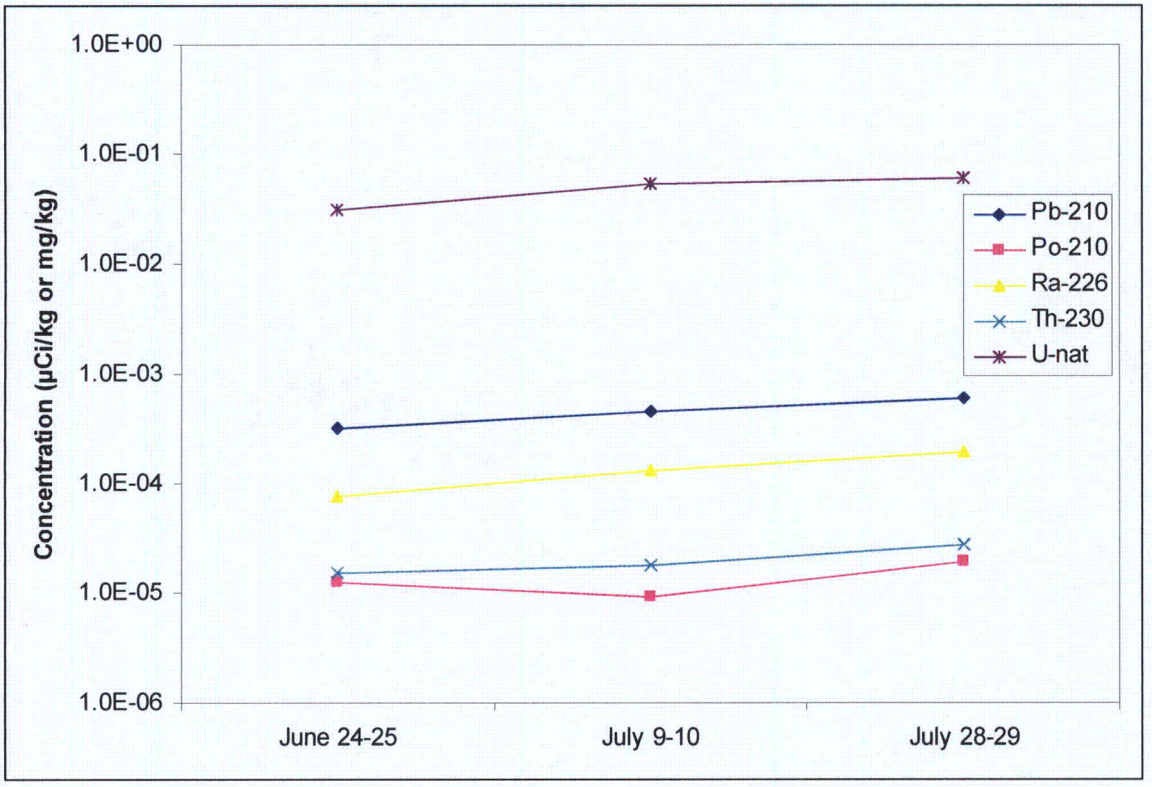


Figure VSS-4 Mean measured levels in vegetation samples among sites with high background gamma radiation (F, G, H, and I), and sites with lower background gamma radiation (D, E, and J).

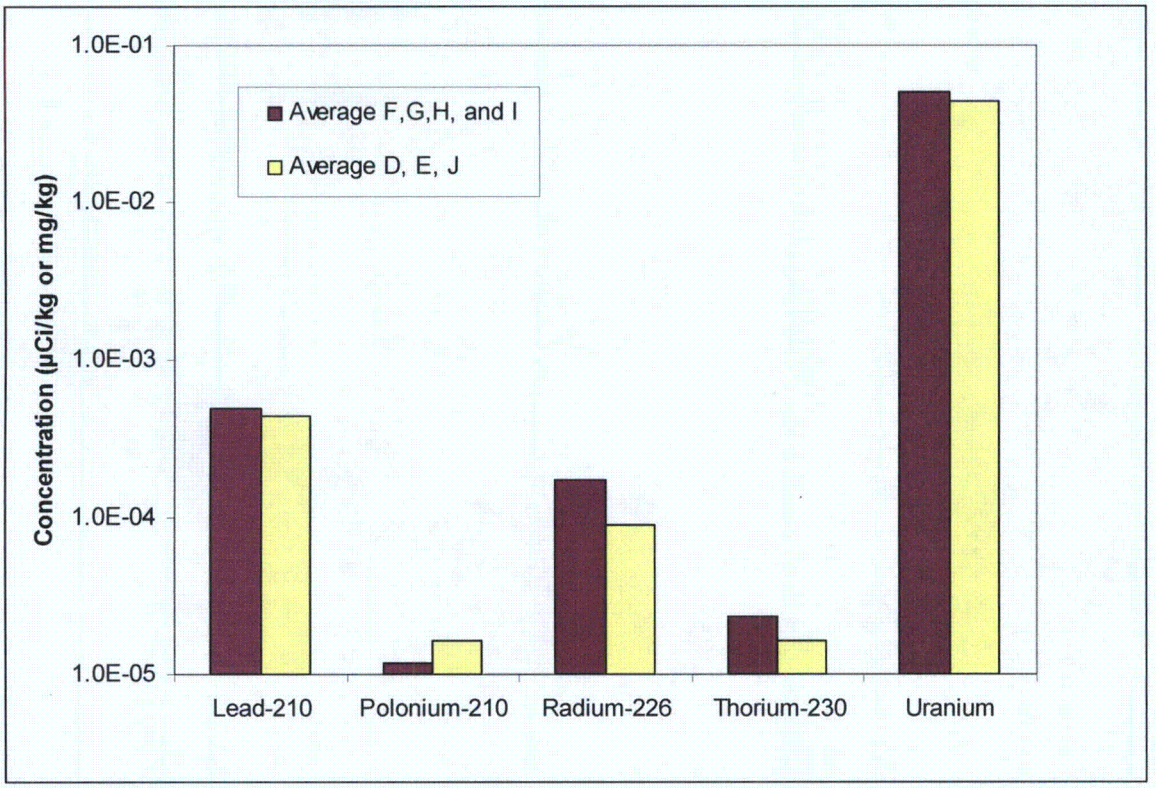
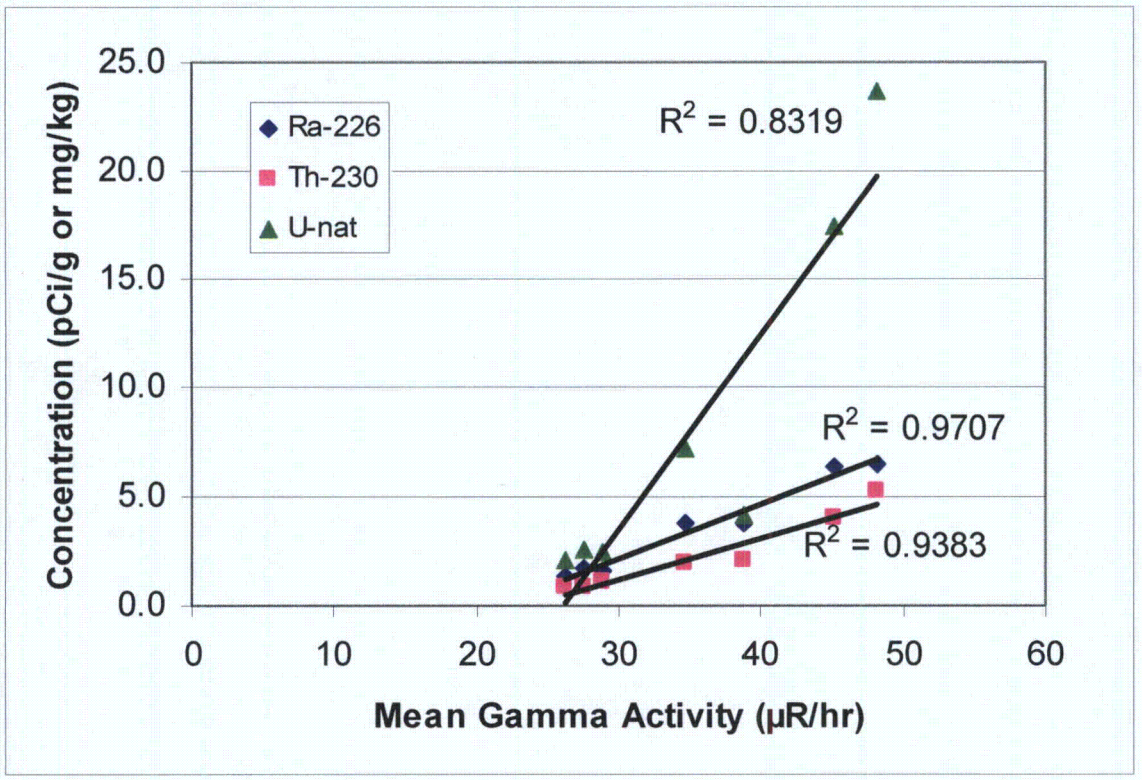


Figure VSS-5 Relationship between background gamma activity and radiological concentrations in surface soils.



LCDS-N

LCDS-W

LCDS-C

LCDS-CE

LCDS-E

LCDS-S

6950 ft

6950 ft

Contour = 10ft

Lost Creek Permit Area

N

Lost Creek ISR, LLC
Littleton, Colorado USA

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Fort Collins, Colorado, USA

Legend

- Soil Profile Samples
- Lost Creek Permit Area
- Soil Survey Boundary

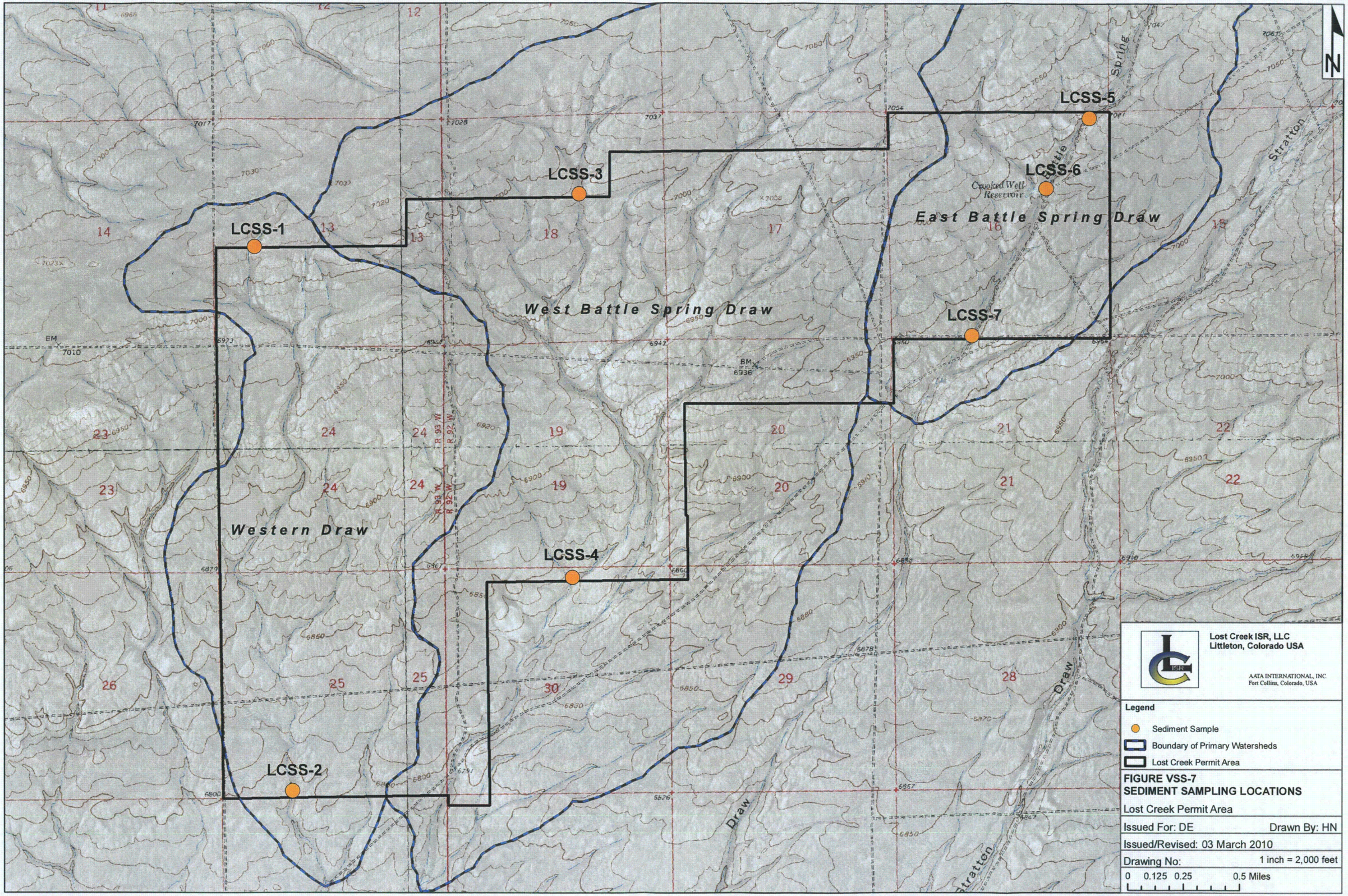
Soil Mapping Units

- Pepal Sandy Loam
- Poposhia Loam
- Teagulf Sandy Loam

FIGURE VSS-6
Soil Profile Sampling Locations
Lost Creek Project

Issued/Revised: 03 March 2010 Drawn By: HN

0 250 500 1,000 Feet



Lost Creek ISR, LLC
Littleton, Colorado USA

AATA INTERNATIONAL, INC.
Fort Collins, Colorado, USA

Legend

- Sediment Sample
- Boundary of Primary Watersheds
- Lost Creek Permit Area

FIGURE VSS-7
SEDIMENT SAMPLING LOCATIONS
Lost Creek Permit Area

Issued For: DE — Drawn By: HN

Issued/Revised: 03 March 2010

Drawing No: — 1 inch = 2,000 feet

0 0.125 0.25 0.5 Miles

Figure VSS-8 Sandy, non-cohesive soils collected at site LCSS-5 on December 15, 2008 (View to north)

Table VSS-1 Baseline Vegetation Radiological Sampling Results—Lost Creek Project June and July 2009

Location[1]	Date	Lead-210 (µCi/kg)	Polonium-210 (µCi/kg)	Radium-226 (µCi/kg)	Thorium-230 (µCi/kg)	Uranium (mg/kg)
LCVEGRAD-D	6/24/2009	3.1E-04	1.4E-05	5.4E-05	1.5E-05	0.029
	7/10/2009	3.7E-04	7.0E-06	8.8E-05	7.0E-06	0.029
	7/29/2009	5.2E-04	2.3E-05	1.4E-04	2.7E-05	0.053
LCVEGRAD-E	6/24/2009	2.8E-04	1.4E-05	5.4E-05	6.4E-06	0.019
	7/10/2009	3.3E-04	1.5E-05	7.1E-05	8.8E-06	0.023
	7/29/2009	2.8E-04	1.6E-05	9.9E-05	1.7E-05	0.033
LCVEGRAD-F	6/25/2009	2.0E-04	1.1E-05	9.3E-05	2.1E-05	0.051
	7/9/2009	2.2E-04	6.0E-06	8.9E-05	1.1E-05	0.029
	7/28/2009	3.1E-04	7.3E-06	2.4E-04	2.3E-05	0.078
LCVEGRAD-G	6/25/2009	6.3E-04	5.3E-06	1.1E-04	1.7E-05	0.028
	7/9/2009	7.8E-04	1.2E-05	2.1E-04	2.6E-05	0.066
	7/28/2009	1.5E-03	2.7E-05	5.5E-04	7.1E-05	0.150
LCVEGRAD-H	6/25/2009	1.2E-04	2.8E-06	7.1E-05	9.2E-06	0.025
	7/9/2009	2.9E-04	5.2E-06	1.6E-04	1.6E-05	0.059
	7/28/2009	2.4E-04	1.1E-05	1.1E-04	2.0E-05	0.040
LCVEGRAD-I	6/25/2009	3.6E-04	1.1E-05	9.0E-05	2.5E-05	0.029
	7/9/2009	4.8E-04	1.1E-05	1.6E-04	2.2E-05	0.027
	7/28/2009	7.2E-04	3.3E-05	1.5E-04	2.0E-05	0.029
LCVEGRAD-J	6/24/2009	3.7E-04	2.9E-05	6.9E-05	1.6E-05	0.038
	7/10/2009	7.6E-04	9.1E-06	1.6E-04	3.5E-05	0.140
	7/29/2009	6.5E-04	2.0E-05	6.7E-05	1.6E-05	0.033

[1]See Figure VSS-2 for sampling locations.

Table VSS-2 Baseline Surface Soil Radiological Sampling Results
Lost Creek Project
June, 2009

Location[1]	Lead-210 (pCi/g)	Radium-226 (pCi/g)	Thorium-230 (pCi/g)	Uranium (mg/kg)	Mean Gamma
LCSSURF-D	<2.1	3.8	2.0	7.2	34.6
LCSSURF-E	<2.0	1.6	1.1	2.5	28.9
LCSSURF-F	<2.0	6.3	4.0	17.5	45.2
LCSSURF-G	<2.0	6.5	5.2	23.6	48.2
LCSSURF-H	<2.0	1.7	0.9	2.6	27.6
LCSSURF-I	2.9	3.8	2.1	4.1	38.9
LCSSURF-J	<2.0	1.3	0.8	2.1	26.3

[1]See Figure 2 for sampling locations.

Table VSS-3 Baseline Soil Profile Sampling Results - Lost Creek Project
September and December 2008

Location[1]	Depth (in)	Lead-210 (pCi/g)	Radium-226 (pCi/g)	Thorium-230 (pCi/g)	Uranium (mg/kg)	Soil Type	Sample ID
LCDS-C	0-12	<3.0	1.7	0.5	1.08	Pepal Sandy Loam	MU1PR33
	12-33	<3.0	2.3	1.3	2.14		
	33-60	4.2	2.8	2.7	0.52		
LCDS-CE	0-8	<3.0	2.1	1.3	3.37	Poposhia Loam	MU1PR35
	8-18	<3.0	2.1	1.3	2.17		
	18-34	<3.0	1.7	1.6	1.49		
	34-48	<3.0	1.2	1.9	3.72		
LCDS-N	0-24	<3.0	1.5	1.0	2.19	Pepal Sandy Loam	LCDS-N
	24-33	<3.1	1.0	0.8	1.77		
	33-40	<3.0	1.1	1.4	4.84		
LCDS-E	0-8	<3.5	1.2	0.1	2.9	Pepal Sandy Loam	LCDS-E
	8-40	<3.0	0.8	0.9	2.71		
LCDS-S	0-10	<4.0	1.9	0.8	0.57	Teagulf Sandy Loam	MU1PR23
	10-60	<3.0	1.2	0.6	1.55		
LCDS-W	0-21	<3.0	1.5	1.1	2.53	Pepal Sandy Loam	LCDS-W
	21-31	<3.0	1.2	1.1	1.79		
	31-40	<3.0	1.4	0.6	3.01		

[1] See Figure VSS-6 for sampling locations.

Table VSS-4 Baseline Sediment Sampling Results - Lost Creek Project
December 2008

Location [1]	Lead-210 (pCi/g)	Radium-226 (pCi/g)	Thorium-230 (pCi/g)	Uranium (mg/kg)
LCSS-1	<3.4	1.3	1.2	2.7
LCSS-2	<3.5	0.3	<0.1	1.1
LCSS-3	<3.5	1.0	<0.1	2.0
LCSS-4	<3.5	1.2	1.5	2.2
LCSS-5	<3.5	0.6	0.2	1.2
LCSS-6	<3.5	1.2	2.5	5.0
LCSS-7	<3.4	<0.2	1.3	1.0

[1] See Figure VSS-7 for sampling locations.

Analysis of Risks (Instrument Failure):

Chemical	
All	It is likely that instrumentation will fail at some point. However, there will be redundant instrumentation on the chemical systems at the tank (i.e. level and flow) as well as at the destination point (i.e. level and pH). It is highly unlikely that all of the instrumentation would fail at once. Therefore, the likelihood of occurrence can be moved from the "B" level down to the "F" level in the risk chart. No further countermeasures are required.

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Attachment 2.9-8 2008 and 2009 Tissue Sampling Results

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Toll Free 888.235.0515 • 307.235.0515 • Fax 307.234.1639 • casper@energylab.com • www.energylab.com

ANALYTICAL SUMMARY REPORT

February 18, 2009

UR Energy USA Inc
10758 W Centennial Rd Ste 200
Ken Caryl Ranch, CO 80127

Workorder No.: C09010211

Project Name: Lost Creek Bioassay

Energy Laboratories, Inc. received the following 3 samples for UR Energy USA Inc on 1/8/2009 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C09010211-001	Bone		01/08/09	Solid	Metals by ICP/ICPMS, Total Digestion For RadioChemistry Lead 210 Polonium 210 Radium 226 Thorium, Isotopic
C09010211-002	Kidney		01/08/09	Solid	Same As Above
C09010211-003	Meat		01/08/09	Solid	Metals by ICP/ICPMS, Total Composite of two or more samples Digestion For RadioChemistry Lead 210 Polonium 210 Radium 226 Thorium, Isotopic

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these tests results, please call.

Report Approved By: Stephanie Waldrop

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LABORATORY ANALYTICAL REPORT

Client: UR Energy USA Inc
Project: Lost Creek Bioassay
Lab ID: C09010211-001
Client Sample ID: Bone

Report Date: 02/18/09
Collection Date: Not Provided
DateReceived: 01/08/09
Matrix: Solid

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS - TOTAL							
Uranium	ND	mg/kg		0.5		SW6020	02/18/09 03:10 / sml
RADIONUCLIDES - TOTAL							
Lead 210	0.2	pCi/g				E909.0M	01/21/09 09:43 / dm
Lead 210 precision (±)	0.06	pCi/g				E909.0M	01/21/09 09:43 / dm
Lead 210 MDC	0.09	pCi/g				E909.0M	01/21/09 09:43 / dm
Polonium 210	0.6	pCi/g		0.1		RMO-3008	01/23/09 09:19 / plj
Polonium 210 precision (±)	0.2	pCi/g				RMO-3008	01/23/09 09:19 / plj
Radium 226	0.3	pCi/g				E903.0	01/27/09 11:36 / trs
Radium 226 precision (±)	0.01	pCi/g				E903.0	01/27/09 11:36 / trs
Radium 226 MDC	0.003	pCi/g				E903.0	01/27/09 11:36 / trs
Thorium 230	0.0	pCi/g	U	0.1		E907.0	02/04/09 16:27 / dmf
Thorium 230 precision (±)	0.2	pCi/g				E907.0	02/04/09 16:27 / dmf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: UR Energy USA Inc
Project: Lost Creek Bioassay
Lab ID: C09010211-002
Client Sample ID: Kidney

Report Date: 02/18/09
Collection Date: Not Provided
DateReceived: 01/08/09
Matrix: Solid

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS - TOTAL							
Uranium	ND	mg/kg		0.5		SW6020	02/18/09 03:24 / sml
RADIONUCLIDES - TOTAL							
Lead 210	0.2	pCi/g				E909.0M	01/21/09 09:43 / dm
Lead 210 precision (±)	0.06	pCi/g				E909.0M	01/21/09 09:43 / dm
Lead 210 MDC	0.09	pCi/g				E909.0M	01/21/09 09:43 / dm
Polonium 210	1.0	pCi/g		0.1		RMO-3008	01/23/09 09:19 / plj
Polonium 210 precision (±)	0.2	pCi/g				RMO-3008	01/23/09 09:19 / plj
Radium 226	0.02	pCi/g				E903.0	01/27/09 11:36 / trs
Radium 226 precision (±)	0.004	pCi/g				E903.0	01/27/09 11:36 / trs
Radium 226 MDC	0.003	pCi/g				E903.0	01/27/09 11:36 / trs
Thorium 230	0.0	pCi/g	U	0.1		E907.0	01/25/09 13:33 / dmf
Thorium 230 precision (±)	0.01	pCi/g				E907.0	01/25/09 13:33 / dmf

Report Definitions:
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LABORATORY ANALYTICAL REPORT

Client: UR Energy USA Inc
Project: Lost Creek Bioassay
Lab ID: C09010211-003
Client Sample ID: Meat

Report Date: 02/18/09
Collection Date: Not Provided
DateReceived: 01/08/09
Matrix: Solid

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS - TOTAL							
Uranium	ND	mg/kg		0.5		SW6020	02/18/09 03:30 / sml
RADIONUCLIDES - TOTAL							
Lead 210	0.003	pCi/g	U			E909.0M	01/21/09 09:43 / dm
Lead 210 precision (±)	0.04	pCi/g				E909.0M	01/21/09 09:43 / dm
Lead 210 MDC	0.07	pCi/g				E909.0M	01/21/09 09:43 / dm
Polonium 210	0.0	pCi/g	U	0.1		RMO-3008	01/23/09 09:19 / plj
Polonium 210 precision (±)	0.009	pCi/g				RMO-3008	01/23/09 09:19 / plj
Radium 226	0.01	pCi/g				E903.0	01/27/09 11:36 / trs
Radium 226 precision (±)	0.002	pCi/g				E903.0	01/27/09 11:36 / trs
Radium 226 MDC	0.002	pCi/g				E903.0	01/27/09 11:36 / trs
Thorium 230	0.0	pCi/g	U	0.1		E907.0	01/25/09 13:33 / dmf
Thorium 230 precision (±)	0.004	pCi/g				E907.0	01/25/09 13:33 / dmf

Report Definitions:
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QCL - Quality control limit.
MDC - Minimum detectable concentration
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ND - Not detected at the reporting limit.
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QA/QC Summary Report

Client: UR Energy USA Inc
Project: Lost Creek Bioassay

Report Date: 02/18/09
Work Order: C09010211

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: R113930
Sample ID: LCS-21105	Laboratory Control Sample				Run: BERTHOLD 770-2_090119B				01/27/09 11:36
Radium 226	1.4	pCi/g-dry		97	70	130			
Sample ID: MB-21105	Method Blank				Run: BERTHOLD 770-2_090119B				01/27/09 11:36
Radium 226	-0.03	pCi/g-dry							U
Sample ID: C09010304-004AMS	Sample Matrix Spike				Run: BERTHOLD 770-2_090119B				01/27/09 13:20
Radium 226	7.5	pCi/g-dry		95	70	130			
Sample ID: C09010304-004AMSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770-2_090119B				01/27/09 13:20
Radium 226	7.5	pCi/g-dry		98	70	130	0	23.3	
Method: E907.0									Batch: 21105
Sample ID: C09010211-002AMS	Sample Matrix Spike				Run: EGG-ORTEC_090120A				01/23/09 14:19
Thorium 230	0.304	pCi/g	0.10	100	70	130			
Sample ID: C09010211-002AMSD	Sample Matrix Spike Duplicate				Run: EGG-ORTEC_090120A				01/23/09 14:19
Thorium 230	0.306	pCi/g	0.10	100	70	130	0.7	55.5	
Sample ID: LCS-21105	Laboratory Control Sample				Run: EGG-ORTEC_090120A				01/25/09 13:33
Thorium 230	0.491	pCi/g-dry	0.10	103	70	130			
Sample ID: MB-21105	Method Blank				Run: EGG-ORTEC_090120A				01/25/09 13:33
Thorium 230	-0.002	pCi/g-dry							U
Method: E909.0M									Batch: R113959
Sample ID: C09010302-002AMS	Sample Matrix Spike				Run: PACKARD 3100TR_090121A				01/21/09 09:43
Lead 210	1100	pCi/Filter		95	70	130			
Sample ID: C09010302-002AMSD	Sample Matrix Spike Duplicate				Run: PACKARD 3100TR_090121A				01/21/09 09:43
Lead 210	1140	pCi/Filter		99	70	130	3.6	30	
Sample ID: MB-R113959	Method Blank				Run: PACKARD 3100TR_090121A				01/21/09 09:43
Lead 210	-0.9	pCi/Filter							U
Sample ID: LCS-R113959	Laboratory Control Sample				Run: PACKARD 3100TR_090121A				01/21/09 09:43
Lead 210	101	pCi/Filter		93	70	130			

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QA/QC Summary Report

Client: UR Energy USA Inc
Project: Lost Creek Bioassay

Report Date: 02/18/09
Work Order: C09010211

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RMO-3008									Batch: 21105
Sample ID: C09010211-003AMS	Sample Matrix Spike				Run: EGG-ORTEC_090122A				01/23/09 09:19
Polonium 210	0.175	pCi/g	0.10	88	70	130			
Sample ID: C09010211-003AMSD	Sample Matrix Spike Duplicate				Run: EGG-ORTEC_090122A				01/23/09 09:19
Polonium 210	0.177	pCi/g	0.10	86	70	130	1.1	54.7	
Sample ID: LCS-21105	Laboratory Control Sample				Run: EGG-ORTEC_090122A				01/23/09 09:19
Polonium 210	8.90	pCi/g-dry	0.10	111	70	130			
Sample ID: MB-21105	Method Blank				Run: EGG-ORTEC_090122A				01/23/09 09:19
Polonium 210	-0.04	pCi/g-dry							U
Method: SW6020									Batch: 21105
Sample ID: MB-21105	Method Blank				Run: ICPMS4-C_090217B				02/18/09 02:56
Uranium	0.01	mg/kg	0.004						
Sample ID: LCS1-21105	Laboratory Control Sample				Run: ICPMS4-C_090217B				02/18/09 03:03
Uranium	5.1	mg/kg	0.50	106	70	130			
Sample ID: C09010211-003AMS4	Sample Matrix Spike				Run: ICPMS4-C_090217B				02/18/09 03:37
Uranium	1.2	mg/kg	0.50	84	75	125			
Sample ID: C09010211-003AMSD4	Sample Matrix Spike Duplicate				Run: ICPMS4-C_090217B				02/18/09 04:11
Uranium	1.2	mg/kg	0.50	84	75	125	0.8	20	

Qualifiers:

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CLIENT: UR Energy USA Inc
Project: Lost Creek Bioassay
Sample Delivery Group: C09010211

Date: *18-Feb-09*

CASE NARRATIVE

ORIGINAL SAMPLE SUBMITTAL(S)
All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)
Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS
Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS
The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES
All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS USING EPA 505
Data for Atrazine and Simazine are reported from EPA 525.2, not from EPA 505. Data reported by ELI using EPA method 505 reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

SUBCONTRACTING ANALYSIS
Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS
eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:
USEPA: WY00002; FL-DOH NELAC: E87641; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:
The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER,WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

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ANALYTICAL SUMMARY REPORT

December 16, 2009

UR Energy USA Inc
10758 W Centennial Rd Ste 200
Ken Caryl Ranch, CO 80127

Workorder No.: C09100685

Project Name: Lost Creek Project

Energy Laboratories, Inc. received the following 4 samples for UR Energy USA Inc on 10/16/2009 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C09100685-001	Meat	10/16/09 00:00	10/16/09	Animal	Uranium, Total Digestion For RadioChemistry Lead 210 Polonium 210 Radium 226 Thorium, Isotopic
C09100685-002	Kidney	10/16/09 00:00	10/16/09	Animal	Same As Above
C09100685-003	Liver	10/16/09 00:00	10/16/09	Animal	Same As Above
C09100685-004	Bone	10/16/09 00:00	10/16/09	Animal	Same As Above

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these tests results, please call.

Report Approved By: Stephanie D. Waldrop

Stephanie D. Waldrop
Reporting Supervisor

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LABORATORY ANALYTICAL REPORT

Client: UR Energy USA Inc
Project: Lost Creek Project
Lab ID: C09100685-001
Client Sample ID: Meat

Report Date: 12/16/09
Collection Date: 10/16/09
DateReceived: 10/16/09
Matrix: Animal

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS - TOTAL							
Uranium, Activity	ND	uCi/kg		2.0E-07		SW6020	10/27/09 18:06 / ts
RADIONUCLIDES - TOTAL							
Lead 210	-1.0E-05	uCi/kg	U			E909.0M	11/23/09 04:46 / dm
Lead 210 precision (±)	3.0E-05	uCi/kg				E909.0M	11/23/09 04:46 / dm
Lead 210 MDC	6.0E-05	uCi/kg				E909.0M	11/23/09 04:46 / dm
Polonium 210	2.0E-05	uCi/kg				E912.0	10/31/09 14:59 / plj
Polonium 210 precision (±)	9.0E-06	uCi/kg				E912.0	10/31/09 14:59 / plj
Polonium 210 MDC	6.0E-06	uCi/kg				E912.0	10/31/09 14:59 / plj
Radium 226	-3.0E-06	uCi/kg	U			E903.0	11/20/09 13:40 / jah
Radium 226 precision (±)	5.0E-07	uCi/kg				E903.0	11/20/09 13:40 / jah
Radium 226 MDC	1.0E-06	uCi/kg				E903.0	11/20/09 13:40 / jah
Thorium 230	-5.0E-07	uCi/kg	U			E907.0	11/20/09 11:59 / dmf
Thorium 230 precision (±)	1.0E-06	uCi/kg				E907.0	11/20/09 11:59 / dmf
Thorium 230 MDC	2.0E-06	uCi/kg				E907.0	11/20/09 11:59 / dmf

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LABORATORY ANALYTICAL REPORT

Client: UR Energy USA Inc
Project: Lost Creek Project
Lab ID: C09100685-002
Client Sample ID: Kidney

Report Date: 12/16/09
Collection Date: 10/16/09
DateReceived: 10/16/09
Matrix: Animal

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS - TOTAL							
Uranium, Activity	ND	uCi/kg		2.0E-07		SW6020	10/27/09 18:31 / ts
RADIONUCLIDES - TOTAL							
Lead 210	2.0E-04	uCi/kg				E909.0M	11/23/09 04:46 / dm
Lead 210 precision (±)	5.0E-05	uCi/kg				E909.0M	11/23/09 04:46 / dm
Lead 210 MDC	9.0E-05	uCi/kg				E909.0M	11/23/09 04:46 / dm
Polonium 210	1.0E-03	uCi/kg				E912.0	10/31/09 14:59 / plj
Polonium 210 precision (±)	2.0E-04	uCi/kg				E912.0	10/31/09 14:59 / plj
Polonium 210 MDC	1.0E-05	uCi/kg				E912.0	10/31/09 14:59 / plj
Radium 226	9.0E-06	uCi/kg				E903.0	11/03/09 15:12 / trs
Radium 226 precision (±)	3.0E-06	uCi/kg				E903.0	11/03/09 15:12 / trs
Radium 226 MDC	3.0E-06	uCi/kg				E903.0	11/03/09 15:12 / trs
Thorium 230	-2.0E-06	uCi/kg	U			E907.0	11/22/09 12:05 / dmf
Thorium 230 precision (±)	3.0E-06	uCi/kg				E907.0	11/22/09 12:05 / dmf
Thorium 230 MDC	5.0E-06	uCi/kg				E907.0	11/22/09 12:05 / dmf

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LABORATORY ANALYTICAL REPORT

Client: UR Energy USA Inc
Project: Lost Creek Project
Lab ID: C09100685-003
Client Sample ID: Liver

Report Date: 12/16/09
Collection Date: 10/16/09
DateReceived: 10/16/09
Matrix: Animal

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS - TOTAL							
Uranium, Activity	9.7E-06	uCi/kg		2.0E-07		SW6020	11/02/09 19:14 / ts
RADIONUCLIDES - TOTAL							
Lead 210	1.0E-04	uCi/kg				E909.0M	11/23/09 04:46 / dm
Lead 210 precision (±)	4.0E-05	uCi/kg				E909.0M	11/23/09 04:46 / dm
Lead 210 MDC	7.0E-05	uCi/kg				E909.0M	11/23/09 04:46 / dm
Polonium 210	8.0E-04	uCi/kg				E912.0	10/31/09 14:59 / plj
Polonium 210 precision (±)	2.0E-04	uCi/kg				E912.0	10/31/09 14:59 / plj
Polonium 210 MDC	1.0E-05	uCi/kg				E912.0	10/31/09 14:59 / plj
Radium 226	-1.0E-06	uCi/kg	U			E903.0	11/20/09 13:36 / trs
Radium 226 precision (±)	2.0E-07	uCi/kg				E903.0	11/20/09 13:36 / trs
Radium 226 MDC	5.0E-07	uCi/kg				E903.0	11/20/09 13:36 / trs
Thorium 230	1.0E-06	uCi/kg	U			E907.0	11/22/09 12:05 / dmf
Thorium 230 precision (±)	6.0E-06	uCi/kg				E907.0	11/22/09 12:05 / dmf
Thorium 230 MDC	1.0E-05	uCi/kg				E907.0	11/22/09 12:05 / dmf

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LABORATORY ANALYTICAL REPORT

Client: UR Energy USA Inc
Project: Lost Creek Project
Lab ID: C09100685-004
Client Sample ID: Bone

Report Date: 12/16/09
Collection Date: 10/16/09
DateReceived: 10/16/09
Matrix: Animal

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS - TOTAL							
Uranium, Activity	4.2E-06	uCi/kg		2.0E-07		SW6020	10/27/09 18:39 / ts
RADIONUCLIDES - TOTAL							
Lead 210	5.0E-04	uCi/kg				E909.0M	11/23/09 04:46 / dm
Lead 210 precision (±)	6.0E-05	uCi/kg				E909.0M	11/23/09 04:46 / dm
Lead 210 MDC	1.0E-04	uCi/kg				E909.0M	11/23/09 04:46 / dm
Polonium 210	4.0E-04	uCi/kg				E912.0	11/02/09 09:02 / plj
Polonium 210 precision (±)	8.0E-05	uCi/kg				E912.0	11/02/09 09:02 / plj
Polonium 210 MDC	3.0E-06	uCi/kg				E912.0	11/02/09 09:02 / plj
Radium 226	4.0E-05	uCi/kg				E903.0	11/03/09 15:12 / trs
Radium 226 precision (±)	3.0E-06	uCi/kg				E903.0	11/03/09 15:12 / trs
Radium 226 MDC	1.0E-06	uCi/kg				E903.0	11/03/09 15:12 / trs
Thorium 230	5.0E-06	uCi/kg	U			E907.0	11/30/09 18:07 / dmf
Thorium 230 precision (±)	1.0E-05	uCi/kg				E907.0	11/30/09 18:07 / dmf
Thorium 230 MDC	2.0E-05	uCi/kg				E907.0	11/30/09 18:07 / dmf

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QA/QC Summary Report

Client: UR Energy USA Inc
Project: Lost Creek Project

Report Date: 12/16/09
Work Order: C09100685

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: R125968
Sample ID: C09100521-001AMS	Sample Matrix Spike				Run: BERTHOLD 770-1_091026B				11/03/09 13:31
Radium 226	0.00070	uCi/kg		119	70	130			
Sample ID: C09100521-001AMSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770-1_091026B				11/03/09 13:31
Radium 226	0.00068	uCi/kg		115	70	130	2.7	20.8	
Sample ID: LCS-24140	Laboratory Control Sample				Run: BERTHOLD 770-1_091026B				11/03/09 13:31
Radium 226	1.7E-05	uCi/kg		108	70	130			
Sample ID: MB-24140	Method Blank				Run: BERTHOLD 770-1_091026B				11/03/09 15:12
Radium 226	2E-07	uCi/kg							U
Radium 226 precision (±)	1E-07	uCi/kg							
Radium 226 MDC	3E-07	uCi/kg							
Method: E903.0									Batch: R126576
Sample ID: LCS-24156	Laboratory Control Sample				Run: BERTHOLD 770-2_091109A				11/16/09 18:04
Radium 226	0.016	pCi/g-dry		98	70	130			
Sample ID: MB-24156	Method Blank				Run: BERTHOLD 770-2_091109A				11/16/09 18:04
Radium 226	0.0002	pCi/g-dry							U
Radium 226 precision (±)	0.0003	pCi/g-dry							
Radium 226 MDC	0.0004	pCi/g-dry							
Sample ID: C09100973-017AMS	Sample Matrix Spike				Run: BERTHOLD 770-2_091109A				11/17/09 00:39
Radium 226	7.5	pCi/g-dry		96	70	130			
Sample ID: C09100973-017AMSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770-2_091109A				11/17/09 00:39
Radium 226	7.6	pCi/g-dry		97	70	130	0.7	24	
Method: E907.0									Batch: 24156
Sample ID: C09100685-001AMS	Sample Matrix Spike				Run: EGG-ORTEC_091118A				11/20/09 11:59
Thorium 230	0.0602	pCi/g-dry		117	70	130			
Sample ID: C09100685-001AMSD	Sample Matrix Spike Duplicate				Run: EGG-ORTEC_091118A				11/20/09 11:59
Thorium 230	0.0563	pCi/g-dry		108	70	130	6.6	44.4	
Sample ID: LCS-24156	Laboratory Control Sample				Run: EGG-ORTEC_091118A				11/22/09 12:05
Thorium 230	0.00186	pCi/g-dry		91	70	130			
Sample ID: MB-24156	Method Blank				Run: EGG-ORTEC_091118A				11/22/09 12:05
Thorium 230	5E-06	pCi/g-dry							U
Thorium 230 precision (±)	0.0001	pCi/g-dry							
Thorium 230 MDC	0.0002	pCi/g-dry							

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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Toll Free 888.235.0515 • 307.235.0515 • Fax 307.234.1639 • casper@energylab.com • www.energylab.com

QA/QC Summary Report

Client: UR Energy USA Inc
Project: Lost Creek Project

Report Date: 12/16/09
Work Order: C09100685

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: R127172
Sample ID: C09100685-004AMS	Sample Matrix Spike				Run: EGG-ORTEC_091129A				11/30/09 18:07
Thorium 230	0.325	pCi/g-dry		111	70	130			
Sample ID: C09100685-004AMSD	Sample Matrix Spike Duplicate				Run: EGG-ORTEC_091129A				11/30/09 18:07
Thorium 230	0.324	pCi/g-dry		110	70	130	0.4	41.6	
Sample ID: LCS-24156	Laboratory Control Sample				Run: EGG-ORTEC_091129A				11/30/09 18:07
Thorium 230	0.532	pCi/g-dry		112	70	130			
Sample ID: MB-24156	Method Blank				Run: EGG-ORTEC_091129A				11/30/09 18:07
Thorium 230	-0.01	pCi/g-dry							U
Thorium 230 precision (±)	0.02	pCi/g-dry							
Thorium 230 MDC	0.03	pCi/g-dry							
Method: E909.0M									Batch: R127621
Sample ID: C09100685-003AMS	Sample Matrix Spike				Run: BECKMAN 6100TA_091123A				11/23/09 04:46
Lead 210	3.35	pCi/g-dry		90	70	130			
Sample ID: C09100685-003AMSD	Sample Matrix Spike Duplicate				Run: BECKMAN 6100TA_091123A				11/23/09 04:46
Lead 210	2.06	pCi/g-dry		54	70	130	48	30	SR
* Spike response is outside of the acceptance range for this analysis. Since the MB, LCS, and MS are acceptable the batch is approved.									
Sample ID: MB-R127621	Method Blank				Run: BECKMAN 6100TA_091123A				11/23/09 04:46
Lead 210	-3	pCi/L							U
Lead 210 precision (±)	3	pCi/L							
Lead 210 MDC	4	pCi/L							
Sample ID: LCS-R127621	Laboratory Control Sample				Run: BECKMAN 6100TA_091123A				11/23/09 04:46
Lead 210	540	pCi/L		96	70	130			
Method: E912.0									Batch: 24156
Sample ID: C09100685-002AMS	Sample Matrix Spike				Run: EGG-ORTEC_091028D				10/31/09 14:59
Polonium 210	1.37	pCi/g-dry		103	70	130			
Sample ID: C09100685-002AMSD	Sample Matrix Spike Duplicate				Run: EGG-ORTEC_091028D				10/31/09 14:59
Polonium 210	1.03	pCi/g-dry		-3	70	130	29	45.6	S
- Sample response is much larger than spike amount, therefore small variances in the sample adversely affected the recovery The LCS and the RPD of the MS/MSD pair meets acceptance criteria; this batch is approved.									
Sample ID: LCS-24156	Laboratory Control Sample				Run: EGG-ORTEC_091028D				11/02/09 09:02
Polonium 210	0.0790	pCi/g-dry		95	70	130			
Sample ID: MB-24156	Method Blank				Run: EGG-ORTEC_091028D				11/02/09 09:02
Polonium 210	0.0010	pCi/g-dry							U
Polonium 210 precision (±)	0.002	pCi/g-dry							
Polonium 210 MDC	0.003	pCi/g-dry							

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
S - Spike recovery outside of advisory limits.
ND - Not detected at the reporting limit.
R - RPD exceeds advisory limit.
U - Not detected at minimum detectable concentration

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QA/QC Summary Report

Client: UR Energy USA Inc
Project: Lost Creek Project

Report Date: 12/16/09
Work Order: C09100685

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Batch: 24156
Sample ID: MB-24156	Method Blank				Run: ICPMS2-C_091027A				10/27/09 17:58
Uranium	ND	mg/kg-dry	3E-05						
Sample ID: LCS2-24156	Laboratory Control Sample				Run: ICPMS2-C_091027A				10/27/09 18:02
Uranium	0.0543	mg/kg-dry	0.015	109	85	115			
Sample ID: C09100685-004AMS	Sample Matrix Spike				Run: ICPMS2-C_091027A				10/27/09 18:43
Uranium	0.625	mg/kg-dry	0.015	83	75	125			
Sample ID: C09100685-004AMSD	Sample Matrix Spike Duplicate				Run: ICPMS2-C_091027A				10/27/09 18:47
Uranium	0.621	mg/kg-dry	0.015	82	75	125	0.7	20	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT- Provide as much information as possible.

Company Name:	Project Name, PWS, Permit, Etc.	Sample Origin	EPA/State Compliance:
Ur-Energy USA Inc.	Lost Creek Project	State:	Yes ☐ No ☒
Report Mail Address: 5880 Enterprise Drive, Suite 200, Casper, WY 82609	**Contact Name:** John Cash 307-265-2373	**Phone/Fax:**	**Email:** john.cash@ur-energyusa.com
			Sampler: (Please Print) Butcher
Invoice Address: Same	**Invoice Contact & Phone:** John Cash 265-2373	**Purchase Order:**	**Quote/Bottle Order:**

Special Report/Formats – ELI must be notified prior to sample submittal for the following:

☐ DW ☐ A2LA
☐ GSA ☐ EDD/EDT (Electronic Data)
☐ POTW/WWTP Format: _____
☐ State: _____ ☐ LEVEL IV
☐ Other: _____ ☐ NELAC

Number of Containers
Sample Type: A Air, W Water, S Soils/Solids, V Vegetation, B Bioassay, O Other

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	Natural uranium	Ra-226	Th-230	Pb-210	Po-210					SEE ATTACHED	Normal Turnaround (TAT)
1 Meat	10/16/09		O	X	X	X	X	X						
2 Kidney	10/16/09		O	X	X	X	X	X						
3 Liver	10/16/09		O	X	X	X	X	X						
4 Bone	10/16/09		O	X	X	X	X	X						
5														
6														
7														
8														
9														
10														

RUSH

Contact ELI prior to RUSH sample submittal for charges and scheduling – See Instruction Page

Comments:

Shipped by: Hand
Cooler ID(s): Client
Receipt Temp -3 °C Frozen
On Ice: Yes No
Custody Seal Intact Y N
Signature Match Y N

LABORATORY USE ONLY
C09100685

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Tom Litman	10/16/09				
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Sample Disposal: Return to Client: _____		Lab Disposal: ✓	Received by Laboratory:	Date/Time: 10/16/09 14:31	Signature:

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.
This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.
Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

Energy Laboratories Inc
Workorder Receipt Checklist

UR Energy USA Inc

C09100685

Login completed by: Edith McPike

Date and Time Received: 10/16/2009 2:31 PM

Reviewed by:

Received by: em

Reviewed Date:

Carrier name: Hand Del

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature:	-3°C		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Contact and Corrective Action Comments:

None

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CLIENT: UR Energy USA Inc
Project: Lost Creek Project
Sample Delivery Group: C09100685

Date: *16-Dec-09*

CASE NARRATIVE

ORIGINAL SAMPLE SUBMITTAL(S)
All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)
Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS
Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS
The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES
All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS
Data for PCBs, Atrazine and Simazine are reported from EPA 525.2. PCB data reported by ELI reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

SUBCONTRACTING ANALYSIS
Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS
eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:
USEPA: WY00002, Radiochemical WY00937; FL-DOH NELAC: E87641, Radiochemical E871017; California: 02118CA; Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:
The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER,WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

Attachment 2.9-9 Technical Memorandum: Radiological Air Particulate Sampling

TECHNICAL MEMORANDUM

TO: **Ur-Energy Inc.**

FROM: **AATA International, Inc.**

DATE: **January 16, 2009**

SUBJECT: **Radiological Air Particulate Sampling**

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Analytical Results APS-2

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List of Appendices

Appendix APS-1 - Laboratory Data Sheets
Appendix APS-2 - Energy Laboratories Explanation for Q2 Qualified Uranium Results

Introduction

Radiological air particulate sampling for the Lost Creek Project was initiated on November 30, 2007. Four quarters of continuous sampling was completed on December 2, 2008. Because the samplers were installed at the end of November 2007, Sampling Quarters 1, 2, 3, and 4 (Q1, Q2, Q3, and Q4) essentially correspond to winter, spring, summer, and fall.

Figure APS-1 shows the five sampling locations that were selected using criteria from NRC Regulatory Guide 4.14. Sampler HV-1 represented the closest residence, and was located about 15 miles northwest of the Lost Creek Project in Bairoil, Wyoming. The remaining sampling locations were within the Lost Creek Permit Area. Sampler HV-2 is located near the northern license area boundary, on the downwind eastern edge of the plant site enclosure. Sampler HV-3 is at the southwest corner of the License Area, upwind of all project activities, and represents background conditions. Samplers HV-4 and HV-5 represent the northern and eastern site boundaries, respectively.

Sample Collection

The air particulate samplers are digitally controlled low wattage F&J DF-40L-8 instruments, powered by solar panels with a gel battery backup, and housed in custom enclosures. **Figure APS-2** shows Sampler HV-4 with the enclosure door open, before the sampler was fenced to exclude cattle. Filter holders were set to a height of approximately five feet, and equipped with 47-mm fiberglass filters. The instruments were set for an actual (i.e. uncorrected for temperature and pressure) flow rate of 30 liters per minute (lpm).

Under optimal conditions, filters were changed on a weekly basis. However, during the winter quarter (Q1), the maximum period between filter changes ranged from 50 to 73 days, depending on the sampler location and whether blowing and drifting snow prevented safe access. During this long period, dust loading in the filters did not seriously impede sampling. The average flow rate for the five samplers during the long period was 28.6 lpm, which represents a reduction of about 2% relative to the mean flow rate for the shorter periods in Q1. At the end of the long period, a tracked vehicle was purchased that could provide safe and reliable on-site transportation despite the adverse conditions. After Q1, the time between filter changes was generally one week, and averaged less than ten days.

The flow rate on each sampler was calibrated and certified by the manufacturer prior to installation, and per manufacturer recommendation, the flow rates were checked in June 2008, after approximately seven months of operation. All the samplers were found to be operating within 4% of the reference instrument across the full scale, so the calibration certifications were updated.

Analytical Results

All filters from each instrument were composited on a quarterly basis and analyzed by Energy Laboratories, Inc. in Casper, Wyoming for the parameters listed in NRC Regulatory Guide 4.14. **Table APS-1** summarizes the analytical results from the air particulate sampling, and the original laboratory reports are included as **Appendix APS-1**. Field duplicate analysis was not possible due to the nature of air particulate sampling, however a set of field blank filters (labeled HV-B in the laboratory reports) were analyzed by Energy Laboratories along with both the Q3 and the Q4 filters.

As outlined below by parameter, all of the concentrations are low or non-detect. No consistent trends were noted by location.

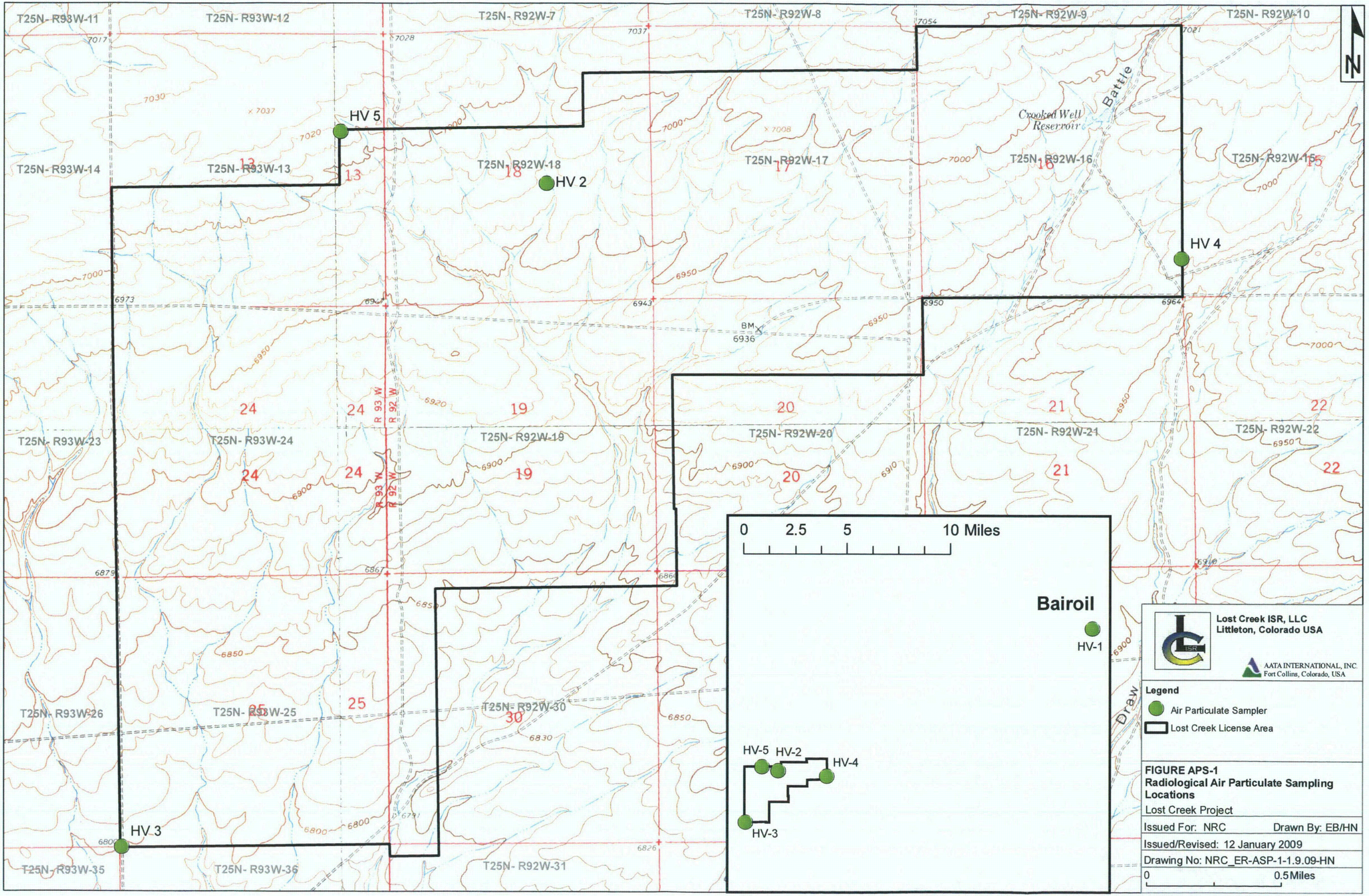
Uranium. Concentrations of natural uranium were less than the 1.00E-16 microCuries per milliLiter (μCi/mL) detection limit for all samples in Q1, Q2 and Q4. Natural uranium was present in low but detectable concentrations in four of the five samples from Q3, as well as in the field blank and the laboratory method blank. Energy Laboratories, Inc. believes that either the method blank or the entire batch was exposed to uranium

contamination during the digestion process, but the analysis could not be re-run because all filter material was consumed during the original digestion process. A memorandum from Energy Laboratories, Inc. explaining the issue is included in **Appendix APS-2**. Despite the apparent contamination, the highest recorded level was 5.61E-16 µCi/mL, which is less than 1% of the 9.00E-14 µCi/mL effluent concentration limit from Appendix B of 10 CFR 20.

Thorium. Thorium-230 (Th-230) concentrations were also less than the 1.00E-16 µCi/mL detection limit for sixteen of the twenty samples. All samples in both Q2 and Q4 were below the detection limit. Two samples in Q1 and two samples Q3 had Th-230 concentrations above the detection limit. The maximum concentration was 2.59E-16, which is less than 1% of the 3.00E-14 µCi/mL effluent concentration limit from Appendix B of 10 CFR 20.

Radium. Concentrations of Radium-226 (Ra-226) were less than the 1.00E-16 uCi/mL detection limit for all samples in Q2, Q3, and Q4. Ra-226 was present in all the samples from Q1, in concentrations ranging from 2.34E-16 to 2.23E-15 µCi/mL. The highest observed concentration is less than 1% of the 9.00E-13 uCi/mL effluent concentration limit from Appendix B of 10 CFR 20. Although detectable concentrations were present only during Q1, the laboratory QA/QC process did not flag any of Q1 Ra-226 results with qualifiers.

Lead. Lead-210 (Pb-210) was present in measurable concentrations in all samples, ranging from 3.02E-15 to 2.38E-14 µCi/mL. The Pb-210 concentrations were lower in Q2 than any other period. The maximum concentration occurred in Q1, and represented less than 4% of the 6.00E-13 µCi/mL effluent concentration limit from Appendix B of 10 CFR 20. Pb-210 concentrations were not consistently high or low at any of the individual sampling locations.


T25N- R93W-11
T25N- R93W-12
T25N- R92W-7
T25N- R92W-8
T25N- R92W-9
T25N- R92W-10
T25N- R93W-14
T25N- R93W-13
T25N- R92W-18
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T25N- R92W-16
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T25N- R93W-24
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T25N- R92W-22
T25N- R93W-26
T25N- R93W-25
T25N- R92W-30
T25N- R93W-35
T25N- R93W-36
T25N- R92W-31
HV 5
HV 2
HV 4
HV 3
Crooked Well Reservoir
Battle Draw
R 93 W
R 92 W
BM 6936
N
0 2.5 5 10 Miles
Bairoil
HV-1
HV-5 HV-2 HV-4 HV-3
Lost Creek ISR, LLC
Littleton, Colorado USA
AATA INTERNATIONAL, INC
Fort Collins, Colorado, USA
Legend
Air Particulate Sampler
Lost Creek License Area
FIGURE APS-1
Radiological Air Particulate Sampling Locations
Lost Creek Project
Issued For: NRC
Drawn By: EB/HN
Issued/Revised: 12 January 2009
Drawing No: NRC_ER-ASP-1-1.9.09-HN
0 0.5 Miles

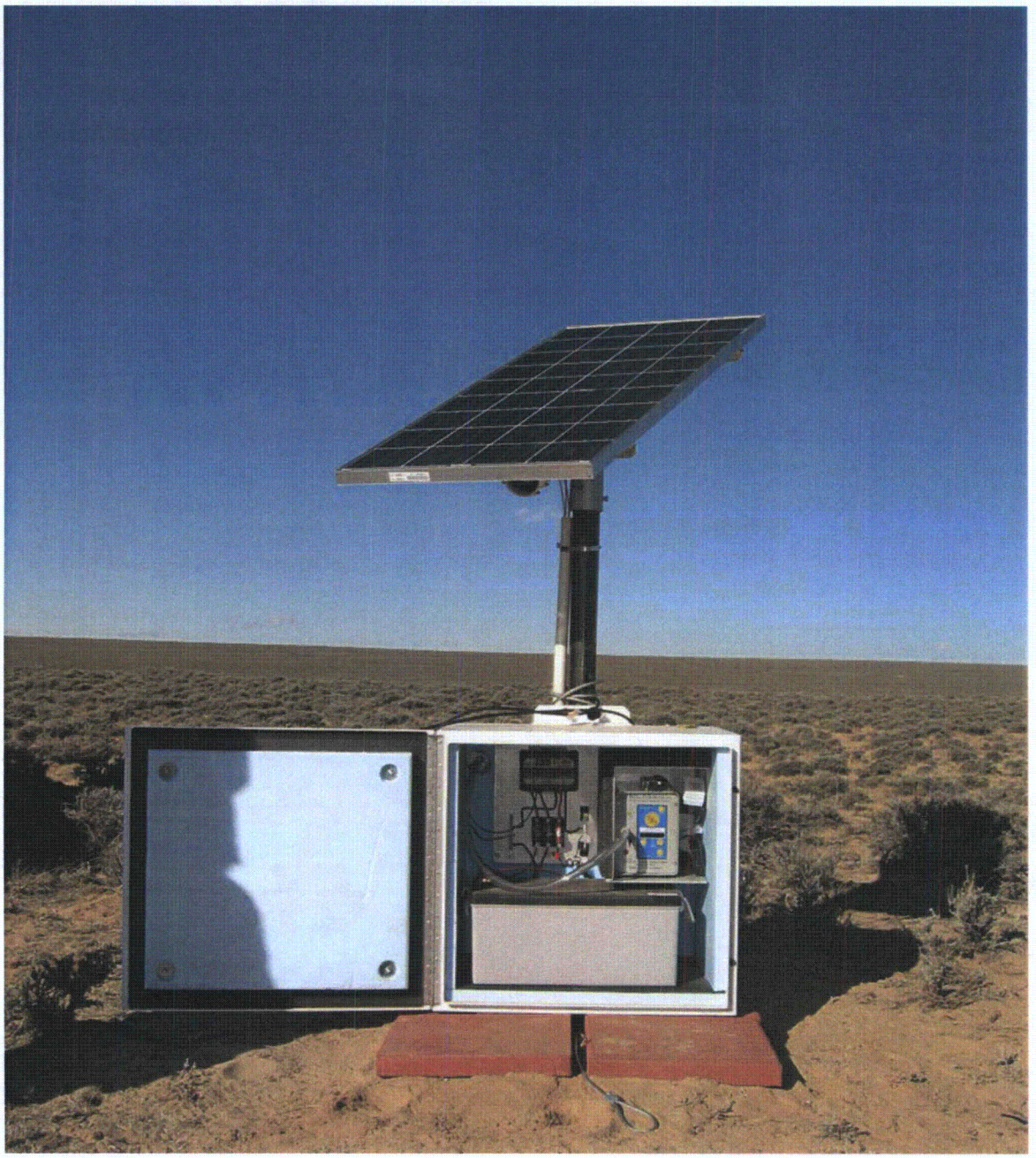

Figure APS-2
High Volume Air Particulate Sampler #HV-4
Lost Creek Project - Great Divide Basin, Wyoming
November 29, 2007

Table APS-1 Summary of Analytical Results - Radiological Air Particulate Sampling

Quarter	Location	Start Date	End Date	Volume (mL)	U-nat (µCi/mL)	Th-230 (µCi/mL)	Ra-226 (µCi/mL)	Pb-210 (µCi/mL)
Q1	HV1	11/30/2007	3/1/2008	3.85E+09	<1.00E-16	<1.00E-16	2.86E-16	1.78E-14
	HV2	11/30/2007	3/1/2008	3.84E+09	<1.00E-16	<1.00E-16	2.34E-16	1.53E-14
	HV3	11/30/2007	3/8/2008	4.08E+09	<1.00E-16	<1.00E-16	2.23E-15	1.31E-14
	HV4	11/30/2007	3/1/2008	3.70E+09	<1.00E-16	1.62E-16	3.51E-16	2.38E-14
	HV5	11/30/2007	3/1/2008	3.78E+09	<1.00E-16	2.38E-16	2.91E-16	1.81E-14
Q2	HV1	3/1/2008	6/5/2008	4.08E+09	<1.00E-16	<1.00E-16	<1.00E-16	6.81E-15
	HV2	3/1/2008	6/5/2008	3.70E+09	<1.00E-16	<1.00E-16	<1.00E-16	3.02E-15
	HV3	3/8/2008	6/5/2008	4.11E+09	<1.00E-16	<1.00E-16	<1.00E-16	5.01E-15
	HV4	3/1/2008	6/5/2008	4.11E+09	<1.00E-16	<1.00E-16	<1.00E-16	9.24E-15
	HV5	3/1/2008	6/5/2008	4.11E+09	<1.00E-16	<1.00E-16	<1.00E-16	5.28E-15
Q3	HV1	6/5/2008	8/29/2008	3.39E+09	5.61E-15*	1.95E-16	<1.00E-16	2.22E-14
	HV2	6/5/2008	8/29/2008	3.39E+09	1.48E-15*	<1.00E-16	<1.00E-16	1.62E-14
	HV3	6/5/2008	8/29/2008	3.39E+09	1.18E-15*	2.59E-16	<1.00E-16	1.41E-14
	HV4	6/5/2008	8/29/2008	3.39E+09	<1.00E-16*	<1.00E-16	<1.00E-16	1.95E-14
	HV5	6/5/2008	8/29/2008	3.17E+09	2.21E-15*	<1.00E-16	<1.00E-16	1.51E-14
Q4	HV1	8/29/2008	12/2/2008	4.07E+09	<1.00E-16	<1.00E-16	<1.00E-16	1.69E-14
	HV2	8/29/2008	12/2/2008	4.08E+09	<1.00E-16	<1.00E-16	<1.00E-16	1.62E-14
	HV3	8/29/2008	12/2/2008	4.04E+09	<1.00E-16	<1.00E-16	<1.00E-16	1.91E-14
	HV4	8/29/2008	12/2/2008	4.08E+09	<1.00E-16	<1.00E-16	<1.00E-16	1.72E-14
	HV5	8/29/2008	12/2/2008	3.85E+09	<1.00E-16	<1.00E-16	<1.00E-16	2.31E-14

* Method blank or entire sample batch apparently exposed to uranium contamination during the digestion process.

Appendix APS-1

Laboratory Data Sheets
Baseline Radiological Air Particulate Sampling
Lost Creek In Situ Uranium Project

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ANALYTICAL SUMMARY REPORT

June 09, 2008

AATA International Inc
300 E Boardwalk Dr STE 4A
Fort Collins, CO 80525

Workorder No.: C08040520 Quote ID: C2783 - UR Energy Lost Creek

Project Name: Lost Creek

Energy Laboratories, Inc. received the following 5 samples from AATA International Inc on 4/10/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C08040520-001	HV3Q1	03/08/08 00:00	04/10/08	Filter	Composite of two or more samples Metals, Total Digestion, Total Metals Lead 210 Radium 226 Thorium, Isotopic
C08040520-002	HV4Q1	03/01/08 00:00	04/10/08	Filter	Same As Above
C08040520-003	HV5Q1	03/01/08 00:00	04/10/08	Filter	Same As Above
C08040520-004	HV2Q1	03/01/08 00:00	04/10/08	Filter	Same As Above
C08040520-005	HV1Q1	03/01/08 00:00	04/10/08	Filter	Same As Above

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these tests results, please call.

Report Approved By: STEVE CARLSTON

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LABORATORY ANALYTICAL REPORT

Client: AATA International Inc
Project: Lost Creek
Lab ID: C08040520-001
Client Sample ID: HV3Q1

Report Date: 06/09/08
Collection Date: 03/08/08
DateReceived: 04/10/08
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
TRACE METALS							
Uranium	ND	mg/filter		0.0003		SW6020	04/28/08 03:56 / ts
Uranium, Activity	ND	pCi/Filter		0.2		SW6020	04/28/08 03:56 / ts
RADIONUCLIDES - TOTAL							
Lead 210	53.5	pCi/Filter		1.0		E909.0M	04/17/08 10:30 / dm
Lead 210 precision (±)	6.7	pCi/Filter				E909.0M	04/17/08 10:30 / dm
Thorium 230	0.1	pCi/Filter	U	0.2		E907.0	04/17/08 15:35 / dmf
Thorium 230 precision (±)	0.4	pCi/Filter				E907.0	04/17/08 15:35 / dmf
Radium 226	9.1	pCi/Filter				E903.0	04/25/08 07:03 / trs
Radium 226 precision (±)	2.5	pCi/Filter				E903.0	04/25/08 07:03 / trs
Radium 226 MDC	2.5	pCi/Filter				E903.0	04/25/08 07:03 / trs

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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HIGH VOLUME AIR SAMPLING REPORT

CLIENT: AATA International Inc.

REPORT DATE: June 9, 2008

SAMPLE ID: HV3Q1

Quarter/Date Sampled Air Volume	Radionuclide	Concentration µCi/mL	Error Estimate µCi/mL	L.L.D. µCi/mL	Effluent Conc.* µCi/mL	% Effluent Concentration
C08040520-001	^{nat}U	< 1.00E-16	N/A	1.00E-16	9.00E-14	< 1.11E-01
11/30/07-03/08/08	^{230}Th	< 1.00E-16	N/A	1.00E-16	3.00E-14	< 3.33E-01
Air Volume in mLs	^{226}Ra	2.23E-15	6.13E-16	1.00E-16	9.00E-13	2.48E-01
4.08E+09	^{210}Pb	1.31E-14	1.64E-15	2.00E-15	6.00E-13	2.19E+00

LLD's are from Reg. Guide 4.14

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LABORATORY ANALYTICAL REPORT

Client: AATA International Inc
Project: Lost Creek
Lab ID: C08040520-002
Client Sample ID: HV4Q1

Report Date: 06/09/08
Collection Date: 03/01/08
DateReceived: 04/10/08
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
TRACE METALS							
Uranium	ND	mg/filter		0.0003		SW6020	04/29/08 11:24 / sml
Uranium, Activity	ND	pCi/Filter		0.2		SW6020	04/29/08 11:24 / sml
RADIONUCLIDES - TOTAL							
Lead 210	88.0	pCi/Filter		1.0		E909.0M	04/18/08 07:05 / dm
Lead 210 precision (±)	7.7	pCi/Filter				E909.0M	04/18/08 07:05 / dm
Thorium 230	0.6	pCi/Filter		0.2		E907.0	04/17/08 14:30 / dmf
Thorium 230 precision (±)	1.0	pCi/Filter				E907.0	04/17/08 14:30 / dmf
Radium 226	1.3	pCi/Filter				E903.0	05/12/08 15:13 / trs
Radium 226 precision (±)	0.6	pCi/Filter				E903.0	05/12/08 15:13 / trs
Radium 226 MDC	0.5	pCi/Filter				E903.0	05/12/08 15:13 / trs

Report definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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HIGH VOLUME AIR SAMPLING REPORT

CLIENT: AATA International Inc.

REPORT DATE: June 9, 2008

SAMPLE ID: HV4Q1

Quarter/Date Sampled Air Volume	Radionuclide	Concentration µCi/mL	Error Estimate µCi/mL	L.L.D. µCi/mL	Effluent Conc.* µCi/mL	% Effluent Concentration
C08040520-002	^{nat}U	< 1.00E-16	N/A	1.00E-16	9.00E-14	< 1.11E-01
11/30/07-03/01/08	^{230}Th	1.62E-16	2.70E-16	1.00E-16	3.00E-14	5.40E-01
Air Volume in mLs	^{226}Ra	3.51E-16	1.62E-16	1.00E-16	9.00E-13	3.90E-02
3.70E+09	^{210}Pb	2.38E-14	2.08E-15	2.00E-15	6.00E-13	3.96E+00

LLD's are from Reg. Guide 4.14

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LABORATORY ANALYTICAL REPORT

Client: AATA International Inc
Project: Lost Creek
Lab ID: C08040520-003
Client Sample ID: HV5Q1

Report Date: 06/09/08
Collection Date: 03/01/08
DateReceived: 04/10/08
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
TRACE METALS							
Uranium	ND	mg/filter		0.0003		SW6020	04/29/08 11:32 / sml
Uranium, Activity	ND	pCi/Filter		0.2		SW6020	04/29/08 11:32 / sml
RADIONUCLIDES - TOTAL							
Lead 210	68.4	pCi/Filter		1.0		E909.0M	04/18/08 07:05 / dm
Lead 210 precision (±)	6.8	pCi/Filter				E909.0M	04/18/08 07:05 / dm
Thorium 230	0.9	pCi/Filter		0.2		E907.0	04/17/08 14:30 / dmf
Thorium 230 precision (±)	0.6	pCi/Filter				E907.0	04/17/08 14:30 / dmf
Radium 226	1.1	pCi/Filter				E903.0	05/12/08 15:13 / trs
Radium 226 precision (±)	0.6	pCi/Filter				E903.0	05/12/08 15:13 / trs
Radium 226 MDC	0.5	pCi/Filter				E903.0	05/12/08 15:13 / trs

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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HIGH VOLUME AIR SAMPLING REPORT

CLIENT: AATA International Inc.

REPORT DATE: June 9, 2008

SAMPLE ID: HV5Q1

Quarter/Date Sampled Air Volume	Radionuclide	Concentration µCi/mL	Error Estimate µCi/mL	L.L.D. µCi/mL	Effluent Conc.* µCi/mL	% Effluent Concentration
C08040520-003	^{nat}U	< 1.00E-16	N/A	1.00E-16	9.00E-14	< 1.11E-01
11/30/07-03/01/08	^{230}Th	2.38E-16	1.59E-16	1.00E-16	3.00E-14	7.95E-01
Air Volume in mLs	^{226}Ra	2.91E-16	1.59E-16	1.00E-16	9.00E-13	3.24E-02
3.78E+09	^{210}Pb	1.81E-14	1.80E-15	2.00E-15	6.00E-13	3.02E+00

LLD's are from Reg. Guide 4.14

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LABORATORY ANALYTICAL REPORT

Client: AATA International Inc
Project: Lost Creek
Lab ID: C08040520-004
Client Sample ID: HV2Q1

Report Date: 06/09/08
Collection Date: 03/01/08
DateReceived: 04/10/08
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
TRACE METALS							
Uranium	ND	mg/filter		0.0003		SW6020	04/29/08 11:37 / sml
Uranium, Activity	ND	pCi/Filter		0.2		SW6020	04/29/08 11:37 / sml
RADIONUCLIDES - TOTAL							
Lead 210	58.6	pCi/Filter		1.0		E909.0M	04/18/08 07:05 / dm
Lead 210 precision (±)	6.4	pCi/Filter				E909.0M	04/18/08 07:05 / dm
Thorium 230	0.0	pCi/Filter	U	0.2		E907.0	04/17/08 14:30 / dmf
Thorium 230 precision (±)	0.4	pCi/Filter				E907.0	04/17/08 14:30 / dmf
Radium 226	0.9	pCi/Filter				E903.0	05/12/08 15:13 / trs
Radium 226 precision (±)	0.5	pCi/Filter				E903.0	05/12/08 15:13 / trs
Radium 226 MDC	0.4	pCi/Filter				E903.0	05/12/08 15:13 / trs

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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HIGH VOLUME AIR SAMPLING REPORT

CLIENT: AATA International Inc.

REPORT DATE: June 9, 2008

SAMPLE ID: HV2Q1

Quarter/Date Sampled Air Volume	Radionuclide	Concentration µCi/mL	Error Estimate µCi/mL	L.L.D. µCi/mL	Effluent Conc.* µCi/mL	% Effluent Concentration
C08040520-004	^{nat}U	< 1.00E-16	N/A	1.00E-16	9.00E-14	< 1.11E-01
11/29/07-03/01/08	^{230}Th	< 1.00E-16	N/A	1.00E-16	3.00E-14	< 3.33E-01
Air Volume in mLs	^{226}Ra	2.34E-16	1.30E-16	1.00E-16	9.00E-13	2.61E-02
3.84E+09	^{210}Pb	1.53E-14	1.67E-15	2.00E-15	6.00E-13	2.54E+00

LLD's are from Reg. Guide 4.14

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LABORATORY ANALYTICAL REPORT

Client: AATA International Inc
Project: Lost Creek
Lab ID: C08040520-005
Client Sample ID: HV1Q1

Report Date: 06/09/08
Collection Date: 03/01/08
DateReceived: 04/10/08
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
TRACE METALS							
Uranium	ND	mg/filter		0.0003		SW6020	04/29/08 11:53 / sml
Uranium, Activity	ND	pCi/Filter		0.2		SW6020	04/29/08 11:53 / sml
RADIONUCLIDES - TOTAL							
Lead 210	68.4	pCi/Filter		1.0		E909.0M	04/18/08 07:05 / dm
Lead 210 precision (±)	6.8	pCi/Filter				E909.0M	04/18/08 07:05 / dm
Thorium 230	0.2	pCi/Filter	U	0.2		E907.0	04/17/08 14:30 / dmf
Thorium 230 precision (±)	0.5	pCi/Filter				E907.0	04/17/08 14:30 / dmf
Radium 226	1.1	pCi/Filter				E903.0	05/12/08 15:13 / trs
Radium 226 precision (±)	0.6	pCi/Filter				E903.0	05/12/08 15:13 / trs
Radium 226 MDC	0.4	pCi/Filter				E903.0	05/12/08 15:13 / trs

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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HIGH VOLUME AIR SAMPLING REPORT

CLIENT: AATA International Inc.

REPORT DATE: June 9, 2008

SAMPLE ID: HV1Q1

Quarter/Date Sampled Air Volume	Radionuclide	Concentration µCi/mL	Error Estimate µCi/mL	L.L.D. µCi/mL	Effluent Conc.* µCi/mL	% Effluent Concentration
C08040520-005	^{nat}U	< 1.00E-16	N/A	1.00E-16	9.00E-14	< 1.11E-01
11/30/07-03/01/08	^{230}Th	< 1.00E-16	N/A	1.00E-16	3.00E-14	< 3.33E-01
Air Volume in mLs	^{226}Ra	2.86E-16	1.56E-16	1.00E-16	9.00E-13	3.18E-02
3.85E+09	^{210}Pb	1.78E-14	1.77E-15	2.00E-15	6.00E-13	2.96E+00

LLD's are from Reg. Guide 4.14

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QA/QC Summary Report

Client: AATA International Inc
Project: Lost Creek

Report Date: 06/09/08
Work Order: C08040520

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: 18283
Sample ID: C08040356-001AMS	Sample Matrix Spike				Run: BERTHOLD 770_080417A				04/24/08 15:29
Radium 226	70.7	pCi/Filter		111	70	130			
Sample ID: C08040356-001AMSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770_080417A				04/24/08 17:25
Radium 226	60.7	pCi/Filter		95	70	130	15	26.7	
Sample ID: MB-18283	Method Blank				Run: BERTHOLD 770_080417A				04/25/08 07:03
Radium 226	-3	pCi/L							U
Sample ID: LCS-18283	Laboratory Control Sample				Run: BERTHOLD 770_080417A				04/25/08 07:03
Radium 226	11	pCi/L		98	70	130			
Method: E903.0									Batch: R101053
Sample ID: C08040520-002AMS	Sample Matrix Spike				Run: BERTHOLD 770_080425A				05/12/08 15:13
Radium 226	56.6	pCi/Filter		88	70	130			
Sample ID: C08040520-002AMSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770_080425A				05/12/08 15:13
Radium 226	69.4	pCi/Filter		108	70	130	20	23.9	
Sample ID: MB-18279	Method Blank				Run: BERTHOLD 770_080425A				05/12/08 15:13
Radium 226	0.002	pCi/g-dry							
Sample ID: LCS-18279	Laboratory Control Sample				Run: BERTHOLD 770_080425A				05/12/08 16:53
Radium 226	0.013	pCi/g-dry		82	70	130			
Method: E907.0									Batch: 18283
Sample ID: C08040302-005AMS	Sample Matrix Spike				Run: EGG-ORTEC_080417C				04/17/08 15:35
Thorium 230	75.7	pCi/Filter	0.20	68	70	130			S
- Spike response is outside of the acceptance range for this analysis. Since the LCS and the RPD for the MS MSD pair are acceptable, the low response is considered to be matrix related. The batch is approved.									
Sample ID: C08040302-005AMSD	Sample Matrix Spike Duplicate				Run: EGG-ORTEC_080417C				04/17/08 15:35
Thorium 230	79.7	pCi/Filter	0.20	69	70	130	5.1	30	S
- Spike response is outside of the acceptance range for this analysis. Since the LCS and the RPD for the MS MSD pair are acceptable, the low response is considered to be matrix related. The batch is approved.									
Sample ID: LCS-R100216	Laboratory Control Sample				Run: EGG-ORTEC_080417C				04/17/08 15:35
Thorium 230	49.0	pCi/Filter	0.20	102	70	130			
Sample ID: MB-R100216	Method Blank				Run: EGG-ORTEC_080417C				04/17/08 15:35
Thorium 230	0.1	pCi/Filter							

Qualifiers:

RL - Analyte reporting limit.
S - Spike recovery outside of advisory limits.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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QA/QC Summary Report

Client: AATA International Inc
Project: Lost Creek

Report Date: 06/09/08
Work Order: C08040520

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: R100072
Sample ID: C08040520-004AMS	Sample Matrix Spike				Run: EGG-ORTEC_080417A				04/17/08 14:30
Thorium 230	42.7	pCi/Filter	0.20	92	70	130			
Sample ID: C08040520-004AMSD	Sample Matrix Spike Duplicate				Run: EGG-ORTEC_080417A				04/17/08 14:30
Thorium 230	41.8	pCi/Filter	0.20	90	70	130	2.0	30	
Sample ID: LCS-R100072	Laboratory Control Sample				Run: EGG-ORTEC_080417A				04/17/08 14:30
Thorium 230	42.4	pCi/Filter	0.20	90	70	130			
Sample ID: MB-R100072	Method Blank				Run: EGG-ORTEC_080417A				04/17/08 14:30
Thorium 230	0.3	pCi/Filter							
Method: E909.0M									Batch: 18283
Sample ID: C08040302-001AMS	Sample Matrix Spike				Run: PACKARD 3100TR_080417A				04/17/08 10:30
Lead 210	1550	pCi/Filter	1.0	57	70	130			S
- Spike response is outside of the acceptance range for this analysis. Since the LCS and the MSD are acceptable the batch is approved.									
Sample ID: C08040302-001AMSD	Sample Matrix Spike Duplicate				Run: PACKARD 3100TR_080417A				04/17/08 10:30
Lead 210	2300	pCi/Filter	1.0	120	70	130	39	30	R
Sample ID: MB-R100552	Method Blank				Run: PACKARD 3100TR_080417A				04/17/08 10:30
Lead 210	ND	pCi/L							
Sample ID: LCS-R100552	Laboratory Control Sample				Run: PACKARD 3100TR_080417A				04/17/08 10:30
Lead 210	130	pCi/L	1.0	106	70	130			
Method: E909.0M									Batch: 18284
Sample ID: C08040520-005AMS	Sample Matrix Spike				Run: PACKARD 3100TR_080418B				04/18/08 07:05
Lead 210	1210	pCi/Filter	1.0	97	70	130			
Sample ID: C08040520-005AMSD	Sample Matrix Spike Duplicate				Run: PACKARD 3100TR_080418B				04/18/08 07:05
Lead 210	1070	pCi/Filter	1.0	85	70	130	12	30	
Sample ID: MB-R100646	Method Blank				Run: PACKARD 3100TR_080418B				04/18/08 07:05
Lead 210	ND	pCi/Filter							
Sample ID: LCS-R100646	Laboratory Control Sample				Run: PACKARD 3100TR_080418B				04/18/08 07:05
Lead 210	117	pCi/Filter	1.0	99	70	130			

Qualifiers:

RL - Analyte reporting limit.
R - RPD exceeds advisory limit.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: AATA International Inc
Project: Lost Creek

Report Date: 06/09/08
Work Order: C08040520

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Batch: 18283
Sample ID: MB-18283	Method Blank				Run: ICPMS2-C_080427A				04/28/08 02:00
Uranium	ND	mg/filter	6E-05						
Sample ID: LCS1-18283	Laboratory Control Sample				Run: ICPMS2-C_080427A				04/28/08 02:04
Uranium	0.0509	mg/filter	0.00030	97	75	125			
Sample ID: C08040520-001AMS	Sample Matrix Spike				Run: ICPMS2-C_080427A				04/28/08 04:00
Uranium	0.0497	mg/filter	0.00030	99	75	125			
Sample ID: C08040520-001AMSD	Sample Matrix Spike Duplicate				Run: ICPMS2-C_080427A				04/28/08 04:04
Uranium	0.0500	mg/filter	0.00030	100	75	125	0.6	20	
Method: SW6020									Batch: 18284
Sample ID: MB-18284	Method Blank				Run: ICPMS2-C_080428B				04/29/08 11:16
Uranium	ND	mg/filter	6E-05						
Sample ID: LCS-18284	Laboratory Control Sample				Run: ICPMS2-C_080428B				04/29/08 11:20
Uranium	0.514	mg/filter	0.00060	98	75	125			
Sample ID: C08040520-005AMS	Sample Matrix Spike				Run: ICPMS2-C_080428B				04/29/08 11:57
Uranium	0.0472	mg/filter	0.00030	94	75	125			
Sample ID: C08040520-005AMSD	Sample Matrix Spike Duplicate				Run: ICPMS2-C_080428B				04/29/08 12:01
Uranium	0.0476	mg/filter	0.00030	95	75	125	1.0	20	

Qualifiers:
R - Analyte reporting limit.

ND - Not detected at the reporting limit.

Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT, provide as much information as possible. Refer to corresponding notes on reverse side.

Company Name: AATA INTERNATIONAL	Project Name, PWS #, Permit #, Etc.: LOST CREEK #301-807
Report Mail Address: 300 E BOARDWALK STE. 4A FT COLLINS, CO 80525	Contact Name, Phone, Fax, E-mail: DUNCAN ECCLESTON 970-223-1333 duncan.eccleston@aata.com Sampler Name if other than Contact: MARSHAL CLARK
Invoice Address: 2240 BLAKE ST STE. 210 DENVER, CO 80205	Invoice Contact & Phone #: CARA CALKINS 720-974-2550 Purchase Order #: 301-807 ELI Quote #: C2783R1

Report Required For: POTW/WWTP ☐ DW ☐ Other _____

Special Report Formats - ELI must be notified prior to sample submittal for the following:
NELAC ☐ A2LA ☐ Level IV ☐
Other _____
EDD/EDT ☐ Format _____

Number of Containers
Sample Type: A Air W Water S Soils/Solids V Vegetation B Bioassay O Other

ANALYSIS REQUESTED

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	E903.0	E907.0	E909.0M	SW3050	SW6020	SEE ATTACHED	Normal Turnaround (TAT)	RUSH Turnaround (TAT)	Comments: TOTAL FLOW (LITERS)	LABORATORY USE ONLY Lab ID
1	HV4Q1	11/30/07-3/1/08	5 FILTERS	1:A							✓		4,258,366 L	
2	HV2Q1	11/29/07-3/4/08	3 FILTERS	1:A							✓		4,687,742 L	
3	HV3Q1	11/30/07-3/3/08	3 FILTERS	1:A							✓		4,079,171 L	
4	HV4Q1	11/30/07-3/1/08	2 FILTERS	1:A							✓		3,701,235 L	
5	HV5Q1	11/30/07-3/1/08	2 FILTERS	1:A	✓	✓	✓	✓	✓		✓		3,775,189 L	
6	HV1Q1	11/30/07-3/1/08	5 FILTERS	1:A							✓		3,846,803 L	
7	HV2Q1	11/29/07-3/1/08	3 FILTERS	1:A	✓	✓	✓	✓	✓		✓		3,338,248 L	
8	HV1Q1	11/30/07-3/1/08	5 FILTERS	1:A	✓	✓	✓	✓	✓		✓		3,846,803 L	
9													C080405	
10														

Notify ELI prior to RUSH sample submittal for additional charges and scheduling

Shipped by: FedExGround
Cooler ID(s): N/A
Receipt Temp: N/A °C
Custody Seal Intact (Y) N
Signature Match (Y) N

Custody Record MUST be Signed

	Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
1	DUNCAN ECCLESTON	4/8/08 12:50 pm		Ashley Haynes	4-10-08 10:35	
2						

Sample Disposal: Return to client: _____ Lab Disposal: ✓

LABORATORY USE ONLY
Sample Type: _____ # of fractions _____

Certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All sub-contract data will be clearly notated on your analytical report.

Visit our web site at *www.energylab.com* for additional information, downloadable fee schedule, forms, & links

Energy Laboratories Inc
Workorder Receipt Checklist

AATA International Inc

C08040520

Login completed by: Kimberly Humiston

Date and Time Received: 4/10/2008 10:35 AM

Reviewed by:

Received by: ah

Reviewed Date:

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	N/A°C
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	Not Applicable ☑

Contact and Corrective Action Comments:

None

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Date: 09-Jun-08

CLIENT: AATA International Inc
Project: Lost Creek
Sample Delivery Group: C08040520

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

ORIGINAL SAMPLE SUBMITTAL(S)
All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)
Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS
Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS
The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES
All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS USING EPA 505
Data for Atrazine and Simazine are reported from EPA 525.2, not from EPA 505. Data reported by ELI using EPA method 505 reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

SUBCONTRACTING ANALYSIS
Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS
eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTFICATIONS:
USEPA: WY00002; FL-DOH NELAC: E87641; Arizona: AZ0699; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:
The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER,WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

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ANALYTICAL SUMMARY REPORT

August 08, 2008

AATA International Inc
300 E Boardwalk Dr STE 4A
Fort Collins, CO 80525

Workorder No.: C08070118 Quote ID: C2783 • UR Energy Lost Creek

Project Name: URE-Project 301-809

Energy Laboratories, Inc. received the following 5 samples from AATA International Inc on 7/2/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C08070118-001	HV-1	06/05/08 00:00	07/02/08	Filter	Composite of two or more samples Metals, Total Digestion, Total Metals Lead 210 Radium 226 Thorium, Isotopic
C08070118-002	HV-2	06/05/08 00:00	07/02/08	Filter	Same As Above
C08070118-003	HV-3	06/05/08 00:00	07/02/08	Filter	Same As Above
C08070118-004	HV-4	06/05/08 00:00	07/02/08	Filter	Same As Above
C08070118-005	HV-5	06/05/08 00:00	07/02/08	Filter	Same As Above

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these tests results, please call.

Report Approved By: Stephanie Waldrop

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LABORATORY ANALYTICAL REPORT

Client: AATA International Inc
Project: URE-Project 301-809
Lab ID: C08070118-001
Client Sample ID: HV-1

Report Date: 08/08/08
Collection Date: 06/05/08
DateReceived: 07/02/08
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
TRACE METALS							
Uranium	ND	mg/filter	D	0.0006		SW6020	07/25/08 00:47 / ts
Uranium, Activity	ND	pCi/Filter	D	0.4		SW6020	07/25/08 00:47 / ts
RADIONUCLIDES - TOTAL							
Lead 210	27.8	pCi/Filter	U			E909.0M	07/17/08 09:30 / dm
Lead 210 precision (±)	24.0	pCi/Filter				E909.0M	07/17/08 09:30 / dm
Lead 210 MDC	39.4	pCi/Filter				E909.0M	07/17/08 09:30 / dm
Radium 226	0.1	pCi/Filter	U			E903.0	07/23/08 17:55 / trs
Radium 226 precision (±)	0.9	pCi/Filter				E903.0	07/23/08 17:55 / trs
Radium 226 MDC	1.6	pCi/Filter				E903.0	07/23/08 17:55 / trs
Thorium 230	0.0	pCi/Filter	U	0.2		E907.0	07/18/08 12:39 / dmf
Thorium 230 precision (±)	1.1	pCi/Filter				E907.0	07/18/08 12:39 / dmf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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HIGH VOLUME AIR SAMPLING REPORT

CLIENT: AATA International Inc.

REPORT DATE: August 8, 2008

SAMPLE ID: HV-1

Quarter/Date Sampled Air Volume	Radionuclide	Concentration µCi/mL	Error Estimate µCi/mL	L.L.D. µCi/mL	Effluent Conc.* µCi/mL	% Effluent Concentration
C08070118-001	^{nat}U	< 1.00E-16	N/A	1.00E-16	9.00E-14	< 1.11E-01
3/1/08 - 6/5/08	^{230}Th	< 1.00E-16	N/A	1.00E-16	3.00E-14	< 3.33E-01
Air Volume in mLs	^{226}Ra	< 1.00E-16	N/A	1.00E-16	9.00E-13	< 1.11E-02
4.08E+09	^{210}Pb	6.81E-15	5.88E-15	2.00E-15	6.00E-13	1.14E+00

LLD's are from Reg. Guide 4.14

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LABORATORY ANALYTICAL REPORT

Client: AATA International Inc
Project: URE-Project 301-809
Lab ID: C08070118-002
Client Sample ID: HV-2

Report Date: 08/08/08
Collection Date: 06/05/08
DateReceived: 07/02/08
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
TRACE METALS							
Uranium	ND	mg/filter	D	0.0006		SW6020	07/25/08 00:51 / ts
Uranium, Activity	ND	pCi/Filter	D	0.4		SW6020	07/25/08 00:51 / ts
RADIONUCLIDES - TOTAL							
Lead 210	12.4	pCi/Filter	U			E909.0M	07/17/08 09:30 / dm
Lead 210 precision (±)	24.7	pCi/Filter				E909.0M	07/17/08 09:30 / dm
Lead 210 MDC	41.0	pCi/Filter				E909.0M	07/17/08 09:30 / dm
Radium 226	-0.7	pCi/Filter	U			E903.0	07/23/08 21:14 / trs
Radium 226 precision (±)	0.8	pCi/Filter				E903.0	07/23/08 21:14 / trs
Radium 226 MDC	1.8	pCi/Filter				E903.0	07/23/08 21:14 / trs
Thorium 230	-0.1	pCi/Filter	U	0.2		E907.0	07/21/08 15:31 / dmf
Thorium 230 precision (±)	1.0	pCi/Filter				E907.0	07/21/08 15:31 / dmf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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HIGH VOLUME AIR SAMPLING REPORT

CLIENT: AATA International Inc.

REPORT DATE: August 8, 2008

SAMPLE ID: HV-2

Quarter/Date Sampled Air Volume	Radionuclide	Concentration µCi/mL	Error Estimate µCi/mL	L.L.D. µCi/mL	Effluent Conc.* µCi/mL	% Effluent Concentration
C08070118-002	^{nat}U	< 1.00E-16	N/A	1.00E-16	9.00E-14	< 1.11E-01
3/1/08 - 6/5/08	^{230}Th	< 1.00E-16	N/A	1.00E-16	3.00E-14	< 3.33E-01
Air Volume in mLs	^{226}Ra	< 1.00E-16	N/A	1.00E-16	9.00E-13	< 1.11E-02
4.11E+09	^{210}Pb	3.02E-15	6.01E-15	2.00E-15	6.00E-13	5.03E-01

LLD's are from Reg. Guide 4.14

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LABORATORY ANALYTICAL REPORT

Client: AATA International Inc
Project: URE-Project 301-809
Lab ID: C08070118-003
Client Sample ID: HV-3

Report Date: 08/08/08
Collection Date: 06/05/08
DateReceived: 07/02/08
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
TRACE METALS							
Uranium	ND	mg/filter	D	0.0006		SW6020	07/25/08 00:55 / ts
Uranium, Activity	ND	pCi/Filter	D	0.4		SW6020	07/25/08 00:55 / ts
RADIONUCLIDES - TOTAL							
Lead 210	44.2	pCi/Filter				E909.0M	07/17/08 09:30 / dm
Lead 210 precision (±)	26.3	pCi/Filter				E909.0M	07/17/08 09:30 / dm
Lead 210 MDC	42.6	pCi/Filter				E909.0M	07/17/08 09:30 / dm
Radium 226	-1.2	pCi/Filter	U			E903.0	07/23/08 21:14 / trs
Radium 226 precision (±)	0.7	pCi/Filter				E903.0	07/23/08 21:14 / trs
Radium 226 MDC	1 7	pCi/Filter				E903.0	07/23/08 21:14 / trs
Thorium 230	-0.6	pCi/Filter	U	0.2		E907.0	07/18/08 12:39 / dmf
Thorium 230 precision (±)	0.8	pCi/Filter				E907.0	07/18/08 12:39 / dmf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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HIGH VOLUME AIR SAMPLING REPORT

CLIENT: AATA International Inc.

REPORT DATE: August 8, 2008

SAMPLE ID: HV-3

Quarter/Date Sampled Air Volume	Radionuclide	Concentration µCi/mL	Error Estimate µCi/mL	L.L.D. µCi/mL	Effluent Conc.* µCi/mL	% Effluent Concentration
C08070118-003	^{nat}U	< 1.00E-16	N/A	1.00E-16	9.00E-14	< 1.11E-01
3/8/08 - 6/5/08	^{230}Th	< 1.00E-16	N/A	1.00E-16	3.00E-14	< 3.33E-01
Air Volume in mLs	^{226}Ra	< 1.00E-16	N/A	1.00E-16	9.00E-13	< 1.11E-02
8.81E+09	^{210}Pb	5.01E-15	2.98E-15	2.00E-15	6.00E-13	8.36E-01

LLD's are from Reg. Guide 4.14

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LABORATORY ANALYTICAL REPORT

Client: AATA International Inc
Project: URE-Project 301-809
Lab ID: C08070118-004
Client Sample ID: HV-4

Report Date: 08/08/08
Collection Date: 06/05/08
DateReceived: 07/02/08
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
TRACE METALS							
Uranium	ND	mg/filter	D	0.0006		SW6020	07/25/08 00:59 / ts
Uranium, Activity	ND	pCi/Filter	D	0.4		SW6020	07/25/08 00:59 / ts
RADIONUCLIDES - TOTAL							
Lead 210	38.0	pCi/Filter	U			E909.0M	07/17/08 09:30 / dm
Lead 210 precision (±)	24.7	pCi/Filter				E909.0M	07/17/08 09:30 / dm
Lead 210 MDC	40.1	pCi/Filter				E909.0M	07/17/08 09:30 / dm
Radium 226	-0.9	pCi/Filter	U			E903.0	07/23/08 21:14 / trs
Radium 226 precision (±)	0.7	pCi/Filter				E903.0	07/23/08 21:14 / trs
Radium 226 MDC	1.6	pCi/Filter				E903.0	07/23/08 21:14 / trs
Thorium 230	-0.1	pCi/Filter	U	0.2		E907.0	07/18/08 12:39 / dmf
Thorium 230 precision (±)	0.8	pCi/Filter				E907.0	07/18/08 12:39 / dmf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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HIGH VOLUME AIR SAMPLING REPORT

CLIENT: AATA International Inc.

REPORT DATE: August 8, 2008

SAMPLE ID: HV-4

Quarter/Date Sampled Air Volume	Radionuclide	Concentration µCi/mL	Error Estimate µCi/mL	L.L.D. µCi/mL	Effluent Conc.* µCi/mL	% Effluent Concentration
C08070118-004	^{nat}U	< 1.00E-16	N/A	1.00E-16	9.00E-14	< 1.11E-01
3/1/08 - 6/5/08	^{230}Th	< 1.00E-16	N/A	1.00E-16	3.00E-14	< 3.33E-01
Air Volume in mLs	^{226}Ra	< 1.00E-16	N/A	1.00E-16	9.00E-13	< 1.11E-02
4.11E+09	^{210}Pb	9.24E-15	6.01E-15	2.00E-15	6.00E-13	1.54E+00

LLD's are from Reg. Guide 4.14

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LABORATORY ANALYTICAL REPORT

Client: AATA International Inc
Project: URE-Project 301-809
Lab ID: C08070118-005
Client Sample ID: HV-5

Report Date: 08/08/08
Collection Date: 06/05/08
DateReceived: 07/02/08
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
TRACE METALS							
Uranium	ND	mg/filter	D	0.0006		SW6020	07/25/08 01:03 / ts
Uranium, Activity	ND	pCi/Filter	D	0.4		SW6020	07/25/08 01:03 / ts
RADIONUCLIDES - TOTAL							
Lead 210	21.7	pCi/Filter	U			E909.0M	07/17/08 09:30 / dm
Lead 210 precision (±)	26.2	pCi/Filter				E909.0M	07/17/08 09:30 / dm
Lead 210 MDC	43.1	pCi/Filter				E909.0M	07/17/08 09:30 / dm
Radium 226	-1.1	pCi/Filter	U			E903.0	07/23/08 21:14 / trs
Radium 226 precision (±)	0.7	pCi/Filter				E903.0	07/23/08 21:14 / trs
Radium 226 MDC	1.6	pCi/Filter				E903.0	07/23/08 21:14 / trs
Thorium 230	-0.1	pCi/Filter	U	0.2		E907.0	07/18/08 12:39 / dmf
Thorium 230 precision (±)	0.9	pCi/Filter				E907.0	07/18/08 12:39 / dmf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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HIGH VOLUME AIR SAMPLING REPORT

CLIENT: AATA International Inc.

REPORT DATE: August 8, 2008

SAMPLE ID: HV-5

Quarter/Date Sampled Air Volume	Radionuclide	Concentration µCi/mL	Error Estimate µCi/mL	L.L.D. µCi/mL	Effluent Conc.* µCi/mL	% Effluent Concentration
C08070118-005	^{nat}U	< 1.00E-16	N/A	1.00E-16	9.00E-14	< 1.11E-01
3/1/08 - 6/5/08	^{230}Th	< 1.00E-16	N/A	1.00E-16	3.00E-14	< 3.33E-01
Air Volume in mLs	^{226}Ra	< 1.00E-16	N/A	1.00E-16	9.00E-13	< 1.11E-02
4.11E+09	^{210}Pb	5.28E-15	6.37E-15	2.00E-15	6.00E-13	8.79E-01

LLD's are from Reg. Guide 4.14

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QA/QC Summary Report

Client: AATA International Inc
Project: URE-Project 301-809

Report Date: 08/08/08
Work Order: C08070118

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: 19031
Sample ID: C08070134-001EMS	Sample Matrix Spike				Run: BERTHOLD 770_080717C				07/23/08 21:14
Radium 226	81	pCi/L		104	70	130			
Sample ID: C08070134-001EMSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770_080717C				07/23/08 21:14
Radium 226	79	pCi/L		102	70	130	2.3	24.5	
Sample ID: MB-19031	Method Blank				Run: BERTHOLD 770_080717C				07/23/08 22:55
Radium 226	-0.6	pCi/L							U
Sample ID: LCS-19031	Laboratory Control Sample				Run: BERTHOLD 770_080717C				07/23/08 22:55
Radium 226	15	pCi/L		97	70	130			
Method: E907.0									Batch: 19031
Sample ID: C08070118-001AMS	Sample Matrix Spike				Run: EGG-ORTEC_080714B				07/21/08 15:28
Thorium 230	103	pCi/Filter	0.20	112	70	130			
Sample ID: C08070118-001AMSD	Sample Matrix Spike Duplicate				Run: EGG-ORTEC_080714B				07/21/08 15:30
Thorium 230	90.4	pCi/Filter	0.20	99	70	130	13	30	
Sample ID: LCS-19031	Laboratory Control Sample				Run: EGG-ORTEC_080714B				07/21/08 15:33
Thorium 230	52	pCi/L	0.20	104	70	130			
Sample ID: MB-19031	Method Blank				Run: EGG-ORTEC_080714B				07/18/08 12:39
Thorium 230	0.3	pCi/L							U
Method: E909.0M									Batch: R105519
Sample ID: MB-R105519	Method Blank				Run: PACKARD 3100TR_080717A				07/17/08 09:30
Lead 210	-4	pCi/L							U
Sample ID: LCS-R105519	Laboratory Control Sample				Run: PACKARD 3100TR_080717A				07/17/08 09:30
Lead 210	98	pCi/L		86	70	130			
Sample ID: C08070206-002AMS	Sample Matrix Spike				Run: PACKARD 3100TR_080717A				07/17/08 09:30
Lead 210	1020	pCi/Filter		81	70	130			
Sample ID: C08070206-002AMSD	Sample Matrix Spike Duplicate				Run: PACKARD 3100TR_080717A				07/17/08 09:30
Lead 210	1350	pCi/Filter		110	70	130	28	30	

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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QA/QC Summary Report

Client: AATA International Inc
Project: URE-Project 301-809

Report Date: 08/08/08
Work Order: C08070118

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Batch: 19031
Sample ID: MB-19031	Method Blank				Run: ICPMS2-C_080721A				07/21/08 12:37
Uranium	4E-05	mg/filter	2E-05						
Sample ID: LCS1-19031	Laboratory Control Sample				Run: ICPMS2-C_080721A				07/21/08 12:43
Uranium	0.0528	mg/filter	0.00030	100	80	120			
Sample ID: C08070118-005AMS	Sample Matrix Spike				Run: ICPMS2-C_080724A				07/25/08 01:08
Uranium	0.468	mg/filter	0.00057	94	75	125			
Sample ID: C08070118-005AMSD	Sample Matrix Spike Duplicate				Run: ICPMS2-C_080724A				07/25/08 01:12
Uranium	0.493	mg/filter	0.00057	99	75	125	5.3	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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Date: 08-Aug-08

CLIENT: AATA International Inc
Project: URE-Project 301-809
Sample Delivery Group: C08070118

CASE NARRATIVE

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

ORIGINAL SAMPLE SUBMITTAL(S)
All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)
Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS
Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS
The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES
All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS USING EPA 505
Data for Atrazine and Simazine are reported from EPA 525.2, not from EPA 505. Data reported by ELI using EPA method 505 reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

SUBCONTRACTING ANALYSIS
Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS
eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTFICATIONS:
USEPA: WY00002; FL-DOH NELAC: E87641; Arizona: AZ0699; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:
The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER,WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

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ANALYTICAL SUMMARY REPORT

December 05, 2008

AATA International Inc
300 E Boardwalk Dr STE 4A
Fort Collins, CO 80525

Workorder No.: C08110642 Quote ID: C2783 - UR Energy Lost Creek

Project Name: UR Energy 301-809

Energy Laboratories, Inc. received the following 6 samples for AATA International Inc on 11/18/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C08110642-001	HV-1	08/29/08 00:00	11/18/08	Filter	Composite of two or more samples Metals, Total Digestion, Total Metals Lead 210 Radium 226 Thorium, Isotopic
C08110642-002	HV-2	08/29/08 00:00	11/18/08	Filter	Same As Above
C08110642-003	HV-3	08/29/08 00:00	11/18/08	Filter	Same As Above
C08110642-004	HV-4	08/29/08 00:00	11/18/08	Filter	Same As Above
C08110642-005	HV-5	08/29/08 00:00	11/18/08	Filter	Same As Above
C08110642-006	HV-B	08/29/08 00:00	11/18/08	Filter	Same As Above

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these tests results, please call.

Report Approved By:

STEVE CARLSTON

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LABORATORY ANALYTICAL REPORT

Client: AATA International Inc
Project: UR Energy 301-809
Lab ID: C08110642-001
Client Sample ID: HV-1

Report Date: 12/05/08
Collection Date: 08/29/08
DateReceived: 11/18/08
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
TRACE METALS							
Uranium	0.0028	mg/filter	B	0.0003		SW6020	11/21/08 15:55 / ts
Uranium, Activity	1.9	pCi/Filter		0.2		SW6020	11/21/08 15:55 / ts
RADIONUCLIDES - TOTAL							
Lead 210	75	pCi/Filter				E909.0M	11/24/08 10:30 / dm
Lead 210 precision (±)	25	pCi/Filter				E909.0M	11/24/08 10:30 / dm
Lead 210 MDC	39	pCi/Filter				E909.0M	11/24/08 10:30 / dm
Radium 226	-0.1	pCi/Filter	U			E903.0	11/26/08 15:33 / trs
Radium 226 precision (±)	0.9	pCi/Filter				E903.0	11/26/08 15:33 / trs
Radium 226 MDC	1.6	pCi/Filter				E903.0	11/26/08 15:33 / trs
Thorium 230	0.66	pCi/Filter		0.20		E907.0	11/25/08 14:33 / dmf
Thorium 230 precision (±)	1	pCi/Filter				E907.0	11/25/08 14:33 / dmf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
B - The analyte was detected in the method blank.

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HIGH VOLUME AIR SAMPLING REPORT

CLIENT: AATA International Inc.

REPORT DATE: December 5, 2008

SAMPLE ID: HV-1

Quarter/Date Sampled Air Volume	Radionuclide	Concentration µCi/mL	Error Estimate µCi/mL	L.L.D. µCi/mL	Effluent Conc.* µCi/mL	% Effluent Concentration
C08110642-001	^{nat}U	5.61E-16	N/A	1.00E-16	9.00E-14	6.24E-01
6/5/08 - 8/29/08	^{230}Th	1.95E-16	2.95E-16	1.00E-16	3.00E-14	6.50E-01
Air Volume in mLs	^{226}Ra	< 1.00E-16	N/A	1.00E-16	9.00E-13	< 1.11E-02
3.39E+09	^{210}Pb	2.22E-14	7.38E-15	2.00E-15	6.00E-13	3.69E+00

LLD's are from Reg. Guide 4.14

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LABORATORY ANALYTICAL REPORT

Client: AATA International Inc
Project: UR Energy 301-809
Lab ID: C08110642-002
Client Sample ID: HV-2

Report Date: 12/05/08
Collection Date: 08/29/08
DateReceived: 11/18/08
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
TRACE METALS							
Uranium	0.0008	mg/filter	B	0.0003		SW6020	11/21/08 16:01 / ts
Uranium, Activity	0.5	pCi/Filter		0.2		SW6020	11/21/08 16:01 / ts
RADIONUCLIDES - TOTAL							
Lead 210	55	pCi/Filter				E909.0M	11/20/08 11:05 / dm
Lead 210 precision (±)	25	pCi/Filter				E909.0M	11/20/08 11:05 / dm
Lead 210 MDC	41	pCi/Filter				E909.0M	11/20/08 11:05 / dm
Radium 226	-1	pCi/Filter	U			E903.0	11/26/08 15:33 / trs
Radium 226 precision (±)	0.6	pCi/Filter				E903.0	11/26/08 15:33 / trs
Radium 226 MDC	1.6	pCi/Filter				E903.0	11/26/08 15:33 / trs
Thorium 230	-1.0	pCi/Filter	U	0.20		E907.0	11/25/08 14:33 / dmf
Thorium 230 precision (±)	0.7	pCi/Filter				E907.0	11/25/08 14:33 / dmf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
B - The analyte was detected in the method blank.

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HIGH VOLUME AIR SAMPLING REPORT

CLIENT: AATA International Inc.

REPORT DATE: December 5, 2008

SAMPLE ID: HV-2

Quarter/Date Sampled Air Volume	Radionuclide	Concentration µCi/mL	Error Estimate µCi/mL	L.L.D. µCi/mL	Effluent Conc.* µCi/mL	% Effluent Concentration
C08110642-002	^{nat}U	1.48E-16	N/A	1.00E-16	9.00E-14	1.64E-01
6/5/08 - 8/29/08	^{230}Th	< 1.00E-16	N/A	1.00E-16	3.00E-14	< 3.33E-01
Air Volume in mLs	^{226}Ra	< 1.00E-16	N/A	1.00E-16	9.00E-13	< 1.11E-02
3.39E+09	^{210}Pb	1.62E-14	7.38E-15	2.00E-15	6.00E-13	2.70E+00

LLD's are from Reg. Guide 4.14

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LABORATORY ANALYTICAL REPORT

Client: AATA International Inc
Project: UR Energy 301-809
Lab ID: C08110642-003
Client Sample ID: HV-3

Report Date: 12/05/08
Collection Date: 08/29/08
DateReceived: 11/18/08
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
TRACE METALS							
Uranium	0.0006	mg/filter	B	0.0003		SW6020	11/21/08 16:08 / ts
Uranium, Activity	0.4	pCi/Filter		0.2		SW6020	11/21/08 16:08 / ts
RADIONUCLIDES - TOTAL							
Lead 210	48	pCi/Filter				E909.0M	11/20/08 11:05 / dm
Lead 210 precision (±)	25	pCi/Filter				E909.0M	11/20/08 11:05 / dm
Lead 210 MDC	41	pCi/Filter				E909.0M	11/20/08 11:05 / dm
Radium 226	-1	pCi/Filter	U			E903.0	11/26/08 15:33 / trs
Radium 226 precision (±)	0.7	pCi/Filter				E903.0	11/26/08 15:33 / trs
Radium 226 MDC	1.8	pCi/Filter				E903.0	11/26/08 15:33 / trs
Thorium 230	0.88	pCi/Filter		0.20		E907.0	11/25/08 14:33 / dmf
Thorium 230 precision (±)	1	pCi/Filter				E907.0	11/25/08 14:33 / dmf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
B - The analyte was detected in the method blank.

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HIGH VOLUME AIR SAMPLING REPORT

CLIENT: AATA International Inc.

REPORT DATE: December 5, 2008

SAMPLE ID: HV-3

Quarter/Date Sampled Air Volume	Radionuclide	Concentration µCi/mL	Error Estimate µCi/mL	L.L.D. µCi/mL	Effluent Conc.* µCi/mL	% Effluent Concentration
C08110642-003	^{nat}U	1.18E-16	N/A	1.00E-16	9.00E-14	1.31E-01
6/5/08 - 8/29/08	^{230}Th	2.59E-16	2.95E-16	1.00E-16	3.00E-14	8.64E-01
Air Volume in mLs	^{226}Ra	< 1.00E-16	N/A	1.00E-16	9.00E-13	< 1.11E-02
3.39E+09	^{210}Pb	1.41E-14	7.37E-15	2.00E-15	6.00E-13	2.36E+00

LLD's are from Reg. Guide 4.14

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LABORATORY ANALYTICAL REPORT

Client: AATA International Inc
Project: UR Energy 301-809
Lab ID: C08110642-004
Client Sample ID: HV-4

Report Date: 12/05/08
Collection Date: 08/29/08
DateReceived: 11/18/08
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
TRACE METALS							
Uranium	0.0005	mg/filter	B	0.0003		SW6020	11/21/08 16:14 / ts
Uranium, Activity	0.3	pCi/Filter		0.2		SW6020	11/21/08 16:14 / ts
RADIONUCLIDES - TOTAL							
Lead 210	66	pCi/Filter				E909.0M	11/20/08 11:05 / dm
Lead 210 precision (±)	25	pCi/Filter				E909.0M	11/20/08 11:05 / dm
Lead 210 MDC	41	pCi/Filter				E909.0M	11/20/08 11:05 / dm
Radium 226	-0.4	pCi/Filter	U			E903.0	11/26/08 15:33 / trs
Radium 226 precision (±)	0.9	pCi/Filter				E903.0	11/26/08 15:33 / trs
Radium 226 MDC	1.6	pCi/Filter				E903.0	11/26/08 15:33 / trs
Thorium 230	0.27	pCi/Filter		0.20		E907.0	11/25/08 14:33 / dmf
Thorium 230 precision (±)	0.6	pCi/Filter				E907.0	11/25/08 14:33 / dmf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
B - The analyte was detected in the method blank.

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HIGH VOLUME AIR SAMPLING REPORT

CLIENT: AATA International Inc.

REPORT DATE: December 5, 2008

SAMPLE ID: HV-4

Quarter/Date Sampled Air Volume	Radionuclide	Concentration µCi/mL	Error Estimate µCi/mL	L.L.D. µCi/mL	Effluent Conc.* µCi/mL	% Effluent Concentration
C08110642-004	^{nat}U	< 1.00E-16	N/A	1.00E-16	9.00E-14	< 1.11E-01
6/5/08 - 8/29/08	^{230}Th	< 1.00E-16	N/A	1.00E-16	3.00E-14	< 3.33E-01
Air Volume in mLs	^{226}Ra	< 1.00E-16	N/A	1.00E-16	9.00E-13	< 1.11E-02
3.39E+09	^{210}Pb	1.95E-14	7.38E-15	2.00E-15	6.00E-13	3.25E+00

LLD's are from Reg. Guide 4.14

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LABORATORY ANALYTICAL REPORT

Client: AATA International Inc
Project: UR Energy 301-809
Lab ID: C08110642-005
Client Sample ID: HV-5

Report Date: 12/05/08
Collection Date: 08/29/08
DateReceived: 11/18/08
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
TRACE METALS							
Uranium	0.0011	mg/filter	B	0.0003		SW6020	11/21/08 16:21 / ts
Uranium, Activity	0.7	pCi/Filter		0.2		SW6020	11/21/08 16:21 / ts
RADIONUCLIDES - TOTAL							
Lead 210	48	pCi/Filter				E909.0M	11/20/08 11:05 / dm
Lead 210 precision (±)	25	pCi/Filter				E909.0M	11/20/08 11:05 / dm
Lead 210 MDC	41	pCi/Filter				E909.0M	11/20/08 11:05 / dm
Radium 226	-0.2	pCi/Filter	U			E903.0	11/26/08 15:33 / trs
Radium 226 precision (±)	0.9	pCi/Filter				E903.0	11/26/08 15:33 / trs
Radium 226 MDC	1.6	pCi/Filter				E903.0	11/26/08 15:33 / trs
Thorium 230	0.28	pCi/Filter		0.20		E907.0	11/25/08 14:33 / dmf
Thorium 230 precision (±)	0.9	pCi/Filter				E907.0	11/25/08 14:33 / dmf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
B - The analyte was detected in the method blank.

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HIGH VOLUME AIR SAMPLING REPORT

CLIENT: AATA International Inc.

REPORT DATE: December 5, 2008

SAMPLE ID: HV-5

Quarter/Date Sampled Air Volume	Radionuclide	Concentration µCi/mL	Error Estimate µCi/mL	L.L.D. µCi/mL	Effluent Conc.* µCi/mL	% Effluent Concentration
C08110642-005	^{nat}U	2.21E-16	N/A	1.00E-16	9.00E-14	2.45E-01
6/5/08 - 8/29/08	^{230}Th	< 1.00E-16	N/A	1.00E-16	3.00E-14	< 3.33E-01
Air Volume in mLs	^{226}Ra	< 1.00E-16	N/A	1.00E-16	9.00E-13	< 1.11E-02
3.17E+09	^{210}Pb	1.51E-14	7.88E-15	2.00E-15	6.00E-13	2.52E+00

LLD's are from Reg. Guide 4.14

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LABORATORY ANALYTICAL REPORT

Client: AATA International Inc
Project: UR Energy 301-809
Lab ID: C08110642-006
Client Sample ID: HV-B

Report Date: 12/05/08
Collection Date: 08/29/08
DateReceived: 11/18/08
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
TRACE METALS							
Uranium	0.0013	mg/filter	B	0.0003		SW6020	11/21/08 18:03 / ts
Uranium, Activity	0.9	pCi/Filter		0.2		SW6020	11/21/08 18:03 / ts
RADIONUCLIDES - TOTAL							
Lead 210	7.9	pCi/Filter	U			E909.0M	11/20/08 11:05 / dm
Lead 210 precision (±)	24	pCi/Filter				E909.0M	11/20/08 11:05 / dm
Lead 210 MDC	41	pCi/Filter				E909.0M	11/20/08 11:05 / dm
Radium 226	-0.3	pCi/Filter	U			E903.0	11/26/08 15:33 / trs
Radium 226 precision (±)	0.9	pCi/Filter				E903.0	11/26/08 15:33 / trs
Radium 226 MDC	1.6	pCi/Filter				E903.0	11/26/08 15:33 / trs
Thorium 230	-0.6	pCi/Filter	U	0.20		E907.0	11/25/08 14:33 / dmf
Thorium 230 precision (±)	0.9	pCi/Filter				E907.0	11/25/08 14:33 / dmf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
B - The analyte was detected in the method blank.

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HIGH VOLUME AIR SAMPLING REPORT

CLIENT: AATA International Inc.

REPORT DATE: December 5, 2008

SAMPLE ID: HV-B

Quarter/Date Sampled Air Volume	Radionuclide	Concentration µCi/mL	Error Estimate µCi/mL	L.L.D. µCi/mL	Effluent Conc.* µCi/mL	% Effluent Concentration
C08110642-006	^{nat}U	2.73E-16	N/A	1.00E-16	9.00E-14	3.03E-01
6/5/08 - 8/29/08	^{230}Th	< 1.00E-16	N/A	1.00E-16	3.00E-14	< 3.33E-01
Air Volume in mLs	^{226}Ra	< 1.00E-16	N/A	1.00E-16	9.00E-13	< 1.11E-02
3.30E+09	^{210}Pb	2.39E-15	7.27E-15	2.00E-15	6.00E-13	3.99E-01

LLD's are from Reg. Guide 4.14

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QA/QC Summary Report

Client: AATA International Inc
Project: UR Energy 301-809

Report Date: 12/05/08
Work Order: C08110642

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: R111656
Sample ID: C08110642-003AMS	Sample Matrix Spike				Run: BERTHOLD 770-1_081120A				11/26/08 15:33
Radium 226	136	pCi/Filter		89	70	130			
Sample ID: C08110642-003AMSD	Sample Matrix Spike Duplicate				Run: BERTHOLD 770-1_081120A				11/26/08 15:33
Radium 226	155	pCi/Filter		99	70	130	13	23.9	
Sample ID: MB-20606	Method Blank				Run: BERTHOLD 770-1_081120A				11/26/08 15:33
Radium 226	-1.0	pCi/Filter							U
Sample ID: LCS-20606	Laboratory Control Sample				Run: BERTHOLD 770-1_081120A				11/26/08 17:09
Radium 226	14.5	pCi/Filter		98	70	130			
Method: E907.0									Batch: 20606
Sample ID: C08110642-001AMS	Sample Matrix Spike				Run: EGG-ORTEC_081120A				11/25/08 14:33
Thorium 230	52	pCi/Filter	0.20	108	70	130			
Sample ID: C08110642-001AMSD	Sample Matrix Spike Duplicate				Run: EGG-ORTEC_081120A				11/25/08 14:33
Thorium 230	47	pCi/Filter	0.20	93	70	130	11	53.5	
Sample ID: LCS-20606	Laboratory Control Sample				Run: EGG-ORTEC_081120A				11/25/08 14:33
Thorium 230	27	pCi/Filter	0.20	109	70	130			
Sample ID: MB-20606	Method Blank				Run: EGG-ORTEC_081120A				11/25/08 14:33
Thorium 230	0.2	pCi/Filter							U
Method: E909.0M									Batch: R111690
Sample ID: C08110642-006AMS	Sample Matrix Spike				Run: PACKARD 3100TR_081120B				11/20/08 11:05
Lead 210	677	pCi/Filter		115	70	130			
Sample ID: C08110642-006AMSD	Sample Matrix Spike Duplicate				Run: PACKARD 3100TR_081120B				11/20/08 11:05
Lead 210	612	pCi/Filter		104	70	130	10	30	
Sample ID: MB-R111690	Method Blank				Run: PACKARD 3100TR_081120B				11/20/08 11:05
Lead 210	20	pCi/Filter							U
Sample ID: LCS-R111690	Laboratory Control Sample				Run: PACKARD 3100TR_081120B				11/20/08 11:05
Lead 210	534	pCi/Filter		89	70	130			

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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QA/QC Summary Report

Client: AATA International Inc
Project: UR Energy 301-809

Report Date: 12/05/08
Work Order: C08110642

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0M									Batch: R111857
Sample ID: C08110331-002AMS	Sample Matrix Spike				Run: PACKARD 3100TR_081124A				11/24/08 10:30
Lead 210	151	pCi/g-dry		146	70	130			S
- Spike response is outside of the acceptance range for this analysis. Since the LCS and the RPD for the MS MSD pair are acceptable, the response is considered to be matrix related. The batch is approved.									
Sample ID: C08110331-002AMSD	Sample Matrix Spike Duplicate				Run: PACKARD 3100TR_081124A				11/24/08 10:30
Lead 210	130	pCi/g-dry		126	70	130	15	30	
Sample ID: MB-R111857	Method Blank				Run: PACKARD 3100TR_081124A				11/24/08 10:30
Lead 210	-0.3	pCi/L							U
Sample ID: LCS-R111857	Laboratory Control Sample				Run: PACKARD 3100TR_081124A				11/24/08 10:30
Lead 210	68	pCi/L		118	70	130			
Method: SW6020									Batch: 20606
Sample ID: MB-20606	Method Blank				Run: ICPMS2-C_081121A				11/21/08 15:14
Uranium	0.002	mg/filter	6E-05						
Sample ID: LCS1-20606	Laboratory Control Sample				Run: ICPMS2-C_081121A				11/21/08 15:21
Uranium	0.0981	mg/filter	0.00030	96	75	125			
Sample ID: C08110642-006AMS	Sample Matrix Spike				Run: ICPMS2-C_081121A				11/21/08 18:10
Uranium	0.0498	mg/filter	0.00030	97	75	125			
Sample ID: C08110642-006AMSD	Sample Matrix Spike Duplicate				Run: ICPMS2-C_081121A				11/21/08 18:17
Uranium	0.0497	mg/filter	0.00030	97	75	125	0.3	20	
Sample ID: C08110642-006AMS	Sample Matrix Spike				Run: ICPMS4-C_081122A				11/22/08 07:05
Uranium	0.0524	mg/filter	0.00030	102	75	125			
Sample ID: C08110642-006AMSD	Sample Matrix Spike Duplicate				Run: ICPMS4-C_081122A				11/22/08 07:09
Uranium	0.0525	mg/filter	0.00030	103	75	125	0.3	20	

Qualifiers:

RL - Analyte reporting limit.
S - Spike recovery outside of advisory limits.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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CLIENT: AATA International Inc
Project: UR Energy 301-809
Sample Delivery Group: C08110642

Date: 05-Dec-08

CASE NARRATIVE

ORIGINAL SAMPLE SUBMITTAL(S)
All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)
Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS
Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS
The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES
All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS USING EPA 505
Data for Atrazine and Simazine are reported from EPA 525.2, not from EPA 505. Data reported by ELI using EPA method 505 reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

SUBCONTRACTING ANALYSIS
Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS
eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTFICATIONS:
USEPA: WY00002; FL-DOH NELAC: E87641; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:
The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER,WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

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ANALYTICAL SUMMARY REPORT

December 30, 2008

AATA International Inc
300 E Boardwalk Dr STE 4A
Fort Collins, CO 80525

Workorder No.: C08120278 Quote ID: C2783 - UR Energy Lost Creek

Project Name: URE LC 301

Energy Laboratories, Inc. received the following 6 samples for AATA International Inc on 12/8/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C08120278-001	HV-1	12/02/08 00:00	12/08/08	Filter	Composite of two or more samples Metals, Total Digestion, Total Metals Lead 210 Radium 226 Thorium, Isotopic
C08120278-002	HV-2	12/02/08 00:00	12/08/08	Filter	Same As Above
C08120278-003	HV-3	12/02/08 00:00	12/08/08	Filter	Same As Above
C08120278-004	HV-4	12/02/08 00:00	12/08/08	Filter	Same As Above
C08120278-005	HV-5	12/02/08 00:00	12/08/08	Filter	Same As Above
C08120278-006	HV-B	12/02/08 00:00	12/08/08	Filter	Same As Above

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

If you have any questions regarding these tests results, please call.

Report Approved By: STEVE CARLSTON

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LABORATORY ANALYTICAL REPORT

Client: AATA International Inc
Project: URE LC 301
Lab ID: C08120278-001
Client Sample ID: HV-1

Report Date: 12/30/08
Collection Date: 12/02/08
DateReceived: 12/08/08
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
TRACE METALS							
Uranium	ND	mg/filter		0.0003		SW6020	12/16/08 01:14 / sml
Uranium, Activity	ND	pCi/Filter		0.2		SW6020	12/16/08 01:14 / sml
RADIONUCLIDES - TOTAL							
Lead 210	69	pCi/Filter				E909.0M	12/18/08 09:00 / dm
Lead 210 precision (±)	23	pCi/Filter				E909.0M	12/18/08 09:00 / dm
Lead 210 MDC	37	pCi/Filter				E909.0M	12/18/08 09:00 / dm
Radium 226	-0.3	pCi/Filter	U			E903.0	12/23/08 21:38 / trs
Radium 226 precision (±)	0.8	pCi/Filter				E903.0	12/23/08 21:38 / trs
Radium 226 MDC	1.4	pCi/Filter				E903.0	12/23/08 21:38 / trs
Thorium 230	-0.4	pCi/Filter	U	0.20		E907.0	12/12/08 15:00 / dmf
Thorium 230 precision (±)	0.19	pCi/Filter				E907.0	12/12/08 15:00 / dmf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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HIGH VOLUME AIR SAMPLING REPORT

CLIENT: AATA International Inc.

REPORT DATE: December 30, 2008

SAMPLE ID: HV-1

Quarter/Date Sampled Air Volume	Radionuclide	Concentration µCi/mL	Error Estimate µCi/mL	L.L.D. µCi/mL	Effluent Conc.* µCi/mL	% Effluent Concentration
C08120278-001	^{nat}U	< 1.00E-16	N/A	1.00E-16	9.00E-14	< 1.11E-01
8/29/08 - 12/2/08	^{230}Th	< 1.00E-16	N/A	1.00E-16	3.00E-14	< 3.33E-01
Air Volume in mLs	^{226}Ra	< 1.00E-16	N/A	1.00E-16	9.00E-13	< 1.11E-02
4.07E+09	^{210}Pb	1.69E-14	5.64E-15	2.00E-15	6.00E-13	2.82E+00

LLD's are from Reg. Guide 4.14

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LABORATORY ANALYTICAL REPORT

Client: AATA International Inc
Project: URE LC 301
Lab ID: C08120278-002
Client Sample ID: HV-2

Report Date: 12/30/08
Collection Date: 12/02/08
DateReceived: 12/08/08
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
TRACE METALS							
Uranium	ND	mg/filter		0.0003		SW6020	12/16/08 01:18 / sml
Uranium, Activity	ND	pCi/Filter		0.2		SW6020	12/16/08 01:18 / sml
RADIONUCLIDES - TOTAL							
Lead 210	66	pCi/Filter				E909.0M	12/18/08 09:00 / dm
Lead 210 precision (±)	23	pCi/Filter				E909.0M	12/18/08 09:00 / dm
Lead 210 MDC	37	pCi/Filter				E909.0M	12/18/08 09:00 / dm
Radium 226	-0.8	pCi/Filter	U			E903.0	12/23/08 21:38 / trs
Radium 226 precision (±)	0.7	pCi/Filter				E903.0	12/23/08 21:38 / trs
Radium 226 MDC	1.4	pCi/Filter				E903.0	12/23/08 21:38 / trs
Thorium 230	-0.5	pCi/Filter	U	0.20		E907.0	12/12/08 15:00 / dmf
Thorium 230 precision (±)	0.19	pCi/Filter				E907.0	12/12/08 15:00 / dmf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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HIGH VOLUME AIR SAMPLING REPORT

CLIENT: AATA International Inc.

REPORT DATE: December 30, 2008

SAMPLE ID: HV-2

Quarter/Date Sampled Air Volume	Radionuclide	Concentration µCi/mL	Error Estimate µCi/mL	L.L.D. µCi/mL	Effluent Conc.* µCi/mL	% Effluent Concentration
C08120278-002	^{nat}U	< 1.00E-16	N/A	1.00E-16	9.00E-14	< 1.11E-01
8/29/08 - 12/2/08	^{230}Th	< 1.00E-16	N/A	1.00E-16	3.00E-14	< 3.33E-01
Air Volume in mLs	^{226}Ra	< 1.00E-16	N/A	1.00E-16	9.00E-13	< 1.11E-02
4.08E+09	^{210}Pb	1.62E-14	5.64E-15	2.00E-15	6.00E-13	2.70E+00

LLD's are from Reg. Guide 4.14

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LABORATORY ANALYTICAL REPORT

Client: AATA International Inc
Project: URE LC 301
Lab ID: C08120278-003
Client Sample ID: HV-3

Report Date: 12/30/08
Collection Date: 12/02/08
DateReceived: 12/08/08
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
TRACE METALS							
Uranium	ND	mg/filter		0.0003		SW6020	12/16/08 01:22 / sml
Uranium, Activity	ND	pCi/Filter		0.2		SW6020	12/16/08 01:22 / sml
RADIONUCLIDES - TOTAL							
Lead 210	77	pCi/Filter				E909.0M	12/18/08 09:00 / dm
Lead 210 precision (±)	23	pCi/Filter				E909.0M	12/18/08 09:00 / dm
Lead 210 MDC	37	pCi/Filter				E909.0M	12/18/08 09:00 / dm
Radium 226	-0.8	pCi/Filter	U			E903.0	12/23/08 21:38 / trs
Radium 226 precision (±)	0.6	pCi/Filter				E903.0	12/23/08 21:38 / trs
Radium 226 MDC	1.4	pCi/Filter				E903.0	12/23/08 21:38 / trs
Thorium 230	-1.4	pCi/Filter	U	0.20		E907.0	12/12/08 15:00 / dmf
Thorium 230 precision (±)	0.19	pCi/Filter				E907 0	12/12/08 15:00 / dmf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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HIGH VOLUME AIR SAMPLING REPORT

CLIENT: AATA International Inc.

REPORT DATE: December 30, 2008

SAMPLE ID: HV-3

Quarter/Date Sampled Air Volume	Radionuclide	Concentration µCi/mL	Error Estimate µCi/mL	L.L.D. µCi/mL	Effluent Conc.* µCi/mL	% Effluent Concentration
C08120278-003	^{nat}U	< 1.00E-16	N/A	1.00E-16	9.00E-14	< 1.11E-01
8/29/08 - 12/2/08	^{230}Th	< 1.00E-16	N/A	1.00E-16	3.00E-14	< 3.33E-01
Air Volume in mLs	^{226}Ra	< 1.00E-16	N/A	1.00E-16	9.00E-13	< 1.11E-02
4.04E+09	^{210}Pb	1.91E-14	5.69E-15	2.00E-15	6.00E-13	3.18E+00

LLD's are from Reg. Guide 4.14

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LABORATORY ANALYTICAL REPORT

Client: AATA International Inc
Project: URE LC 301
Lab ID: C08120278-004
Client Sample ID: HV-4

Report Date: 12/30/08
Collection Date: 12/02/08
DateReceived: 12/08/08
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
TRACE METALS							
Uranium	0.0003	mg/filter		0.0003		SW6020	12/16/08 01:26 / sml
Uranium, Activity	0.2	pCi/Filter		0.2		SW6020	12/16/08 01:26 / sml
RADIONUCLIDES - TOTAL							
Lead 210	70	pCi/Filter				E909.0M	12/18/08 09:00 / dm
Lead 210 precision (±)	23	pCi/Filter				E909.0M	12/18/08 09:00 / dm
Lead 210 MDC	37	pCi/Filter				E909.0M	12/18/08 09:00 / dm
Radium 226	-0.8	pCi/Filter	U			E903.0	12/23/08 21:38 / trs
Radium 226 precision (±)	0.7	pCi/Filter				E903.0	12/23/08 21:38 / trs
Radium 226 MDC	1.4	pCi/Filter				E903.0	12/23/08 21:38 / trs
Thorium 230	-0.8	pCi/Filter	U	0.20		E907.0	12/12/08 15:00 / dmf
Thorium 230 precision (±)	0.1	pCi/Filter				E907.0	12/12/08 15:00 / dmf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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HIGH VOLUME AIR SAMPLING REPORT

CLIENT: AATA International Inc.

REPORT DATE: December 30, 2008

SAMPLE ID: HV-4

Quarter/Date Sampled Air Volume	Radionuclide	Concentration µCi/mL	Error Estimate µCi/mL	L.L.D. µCi/mL	Effluent Conc.* µCi/mL	% Effluent Concentration
C08120278-004	^{nat}U	< 1.00E-16	N/A	1.00E-16	9.00E-14	< 1.11E-01
8/29/08 - 12/2/08	^{230}Th	< 1.00E-16	N/A	1.00E-16	3.00E-14	< 3.33E-01
Air Volume in mLs	^{226}Ra	< 1.00E-16	N/A	1.00E-16	9.00E-13	< 1.11E-02
4.08E+09	^{210}Pb	1.72E-14	5.64E-15	2.00E-15	6.00E-13	2.86E+00

LLD's are from Reg. Guide 4.14

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LABORATORY ANALYTICAL REPORT

Client: AATA International Inc
Project: URE LC 301
Lab ID: C08120278-005
Client Sample ID: HV-5

Report Date: 12/30/08
Collection Date: 12/02/08
DateReceived: 12/08/08
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
TRACE METALS							
Uranium	0.0003	mg/filter		0.0003		SW6020	12/16/08 01:46 / sml
Uranium, Activity	0.2	pCi/Filter		0.2		SW6020	12/16/08 01:46 / sml
RADIONUCLIDES - TOTAL							
Lead 210	89	pCi/Filter				E909.0M	12/18/08 09:00 / dm
Lead 210 precision (±)	23	pCi/Filter				E909.0M	12/18/08 09:00 / dm
Lead 210 MDC	37	pCi/Filter				E909.0M	12/18/08 09:00 / dm
Radium 226	-0.7	pCi/Filter	U			E903.0	12/23/08 21:38 / trs
Radium 226 precision (±)	0.7	pCi/Filter				E903.0	12/23/08 21:38 / trs
Radium 226 MDC	1.4	pCi/Filter				E903.0	12/23/08 21:38 / trs
Thorium 230	-0.7	pCi/Filter	U	0.20		E907.0	12/12/08 15:00 / dmf
Thorium 230 precision (±)	0.19	pCi/Filter				E907.0	12/12/08 15:00 / dmf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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HIGH VOLUME AIR SAMPLING REPORT

CLIENT: AATA International Inc.

REPORT DATE: December 30, 2008

SAMPLE ID: HV-5

Quarter/Date Sampled Air Volume	Radionuclide	Concentration µCi/mL	Error Estimate µCi/mL	L.L.D. µCi/mL	Effluent Conc.* µCi/mL	% Effluent Concentration
C08120278-005	^{nat}U	< 1.00E-16	N/A	1.00E-16	9.00E-14	< 1.11E-01
8/29/08 - 12/2/08	^{230}Th	< 1.00E-16	N/A	1.00E-16	3.00E-14	< 3.33E-01
Air Volume in mLs	^{226}Ra	< 1.00E-16	N/A	1.00E-16	9.00E-13	< 1.11E-02
3.85E+09	^{210}Pb	2.31E-14	5,98E-15	2.00E-15	6.00E-13	3.86E+00

LLD's are from Reg. Guide 4.14

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LABORATORY ANALYTICAL REPORT

Client: AATA International Inc
Project: URE LC 301
Lab ID: C08120278-006
Client Sample ID: HV-B

Report Date: 12/30/08
Collection Date: 12/02/08
DateReceived: 12/08/08
Matrix: Filter

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
TRACE METALS							
Uranium	ND	mg/filter		0.0003		SW6020	12/16/08 01:50 / sml
Uranium, Activity	ND	pCi/Filter		0.2		SW6020	12/16/08 01:50 / sml
RADIONUCLIDES - TOTAL							
Lead 210	-1	pCi/Filter	U			E909.0M	12/18/08 09:00 / dm
Lead 210 precision (±)	22	pCi/Filter				E909.0M	12/18/08 09:00 / dm
Lead 210 MDC	37	pCi/Filter				E909.0M	12/18/08 09:00 / dm
Radium 226	0.5	pCi/Filter	U			E903.0	12/23/08 21:38 / trs
Radium 226 precision (±)	0.9	pCi/Filter				E903.0	12/23/08 21:38 / trs
Radium 226 MDC	1.4	pCi/Filter				E903.0	12/23/08 21:38 / trs
Thorium 230	-0.9	pCi/Filter	U	0.20		E907.0	12/12/08 15:00 / dmf
Thorium 230 precision (±)	0.1	pCi/Filter				E907.0	12/12/08 15:00 / dmf

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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HIGH VOLUME AIR SAMPLING REPORT

CLIENT: AATA International Inc.

REPORT DATE: December 30, 2008

SAMPLE ID: HV-B

Quarter/Date Sampled Air Volume	Radionuclide	Concentration µCi/mL	Error Estimate µCi/mL	L.L.D. µCi/mL	Effluent Conc.* µCi/mL	% Effluent Concentration
C08120278-006	^{nat}U	< 1.00E-16	N/A	1.00E-16	9.00E-14	< 1.11E-01
8/29/08 - 12/2/08	^{230}Th	< 1.00E-16	N/A	1.00E-16	3.00E-14	< 3.33E-01
Air Volume in mLs	^{226}Ra	1.23E-16	2.22E-16	1.00E-16	9.00E-13	1.37E-02
4.05E+09	^{210}Pb	< 2.00E-15	N/A	2.00E-15	6.00E-13	< 3.33E-01

LLD's are from Reg. Guide 4.14

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QA/QC Summary Report

Client: AATA International Inc
Project: URE LC 301

Report Date: 12/30/08
Work Order: C08120278

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: R112780
Sample ID: C08120259-002FDUP	Sample Duplicate				Run: BERTHOLD 770-2_081216A				12/23/08 21:38
Radium 226	-0.013	pCi/L			70	130	280	845	U
Sample ID: C08120278-006AMS	Sample Matrix Spike				Run: BERTHOLD 770-2_081216A				12/23/08 23:22
Radium 226	104	pCi/Filter		73	70	130			
Sample ID: LCS-20824	Laboratory Control Sample				Run: BERTHOLD 770-2_081216A				12/23/08 23:22
Radium 226	12	pCi/L		90	70	130			
Sample ID: MB-20824	Method Blank				Run: BERTHOLD 770-2_081216A				12/23/08 23:22
Radium 226	-0.9	pCi/L							U
Method: E907.0									Batch: RA-TH-ISO-0711
Sample ID: C08120222-001AMS	Sample Matrix Spike				Run: EGG-ORTEC_081212A				12/12/08 15:00
Thorium 230	61.9	pCi/Filter	0.20	124	70	130			
Sample ID: C08120222-001AMSD	Sample Matrix Spike Duplicate				Run: EGG-ORTEC_081212A				12/12/08 15:00
Thorium 230	56.6	pCi/Filter	0.20	110	70	130	9	30	
Sample ID: LCS-20767	Laboratory Control Sample				Run: EGG-ORTEC_081212A				12/12/08 15:00
Thorium 230	23.6	pCi/Filter	0.20	107	70	130			
Sample ID: MB-20767	Method Blank				Run: EGG-ORTEC_081212A				12/12/08 15:00
Thorium 230	0.10	pCi/Filter							U
Method: E909.0M									Batch: R112811
Sample ID: C08120278-001AMS	Sample Matrix Spike				Run: PACKARD 3100TR_081218B				12/18/08 09:00
Lead 210	1290	pCi/Filter		111	70	130			
Sample ID: C08120278-001AMSD	Sample Matrix Spike Duplicate				Run: PACKARD 3100TR_081218B				12/18/08 09:00
Lead 210	1050	pCi/Filter		89	70	130	21	30	
Sample ID: MB-R112811	Method Blank				Run: PACKARD 3100TR_081218B				12/18/08 09:00
Lead 210	-1	pCi/L							U
Sample ID: LCS-R112811	Laboratory Control Sample				Run: PACKARD 3100TR_081218B				12/18/08 09:00
Lead 210	110	pCi/L		98	70	130			

Qualifiers:

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QA/QC Summary Report

Client: AATA International Inc
Project: URE LC 301

Report Date: 12/30/08
Work Order: C08120278

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: **SW6020**									Batch: 20797
Sample ID: **MB-20797**	Method Blank				Run: ICPMS4-C_081215A				12/16/08 00:54
Uranium	7E-05	mg/L							
Sample ID: **LCS1-20797**	Laboratory Control Sample				Run: ICPMS4-C_081215A				12/16/08 00:58
Uranium	0.0996	mg/L	0.00030	99	75	125			
Sample ID: **C08120278-006AMS**	Sample Matrix Spike				Run: ICPMS4-C_081215A				12/16/08 01:54
Uranium	0.0539	mg/filter	0.00030	108	75	125			
Sample ID: **C08120278-006AMSD**	Sample Matrix Spike Duplicate				Run: ICPMS4-C_081215A				12/16/08 01:58
Uranium	0.0543	mg/filter	0.00030	108	75	125	0.6	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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CLIENT: AATA International Inc
Project: URE LC 301
Sample Delivery Group: C08120278

Date: 30-Dec-08

CASE NARRATIVE

ORIGINAL SAMPLE SUBMITTAL(S)
All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C (±2°C)
Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS
Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS
The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES
All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS USING EPA 505
Data for Atrazine and Simazine are reported from EPA 525.2, not from EPA 505. Data reported by ELI using EPA method 505 reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

SUBCONTRACTING ANALYSIS
Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS
eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTFICATIONS:
USEPA: WY00002; FL-DOH NELAC: E87641; California: 02118CA
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:
The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER,WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

Appendix APS-2

Energy Laboratories Explanation for Q2 Qualified Uranium Results
Baseline Radiological Air Particulate Sampling
Lost Creek In Situ Uranium Project

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December 10, 2008

Duncan Eccleston
AATA International Inc
300 E Boardwalk Dr Ste 4A
Fort Collins, CO 80525

Subject: Explanation of contaminated Uranium Method Blank (MB) on High Volume air filter samples. Work Order - C08110642.

Dear Mr. Eccleston:

The following is an explanation of Energy Laboratories, Inc. (ELI) "best guess" of what might have occurred with the analysis of uranium on the air filters.

On November 18, 2008, six air filters were received at ELI requesting the analysis of NRC Reg. Guide, 4.14 radionuclides: U-nat, Th230, Ra226, and Pb210. On 11/20/08, the filters were digested to a final volume of 0.95 liters using EPA Method 3050. After filtration, a subsample of the filtrate was split into 50 ml conical tubes and given to the Metals Department for the analysis of uranium by EPA SW846 Method 6020.

All six samples including the batch QC (MB and LCS) were analyzed for uranium on 11/21/08. Since uranium was detected in the MB at 0.002 mg/L, the entire sample batch was re-analyzed on 11/22/08. A detect of 0.002 mg/L was again detected in the MB and all six samples were identified with a "B" qualifier indicating the MB contained contamination. In situations where additional sample is available the batch would have been re-digested and reanalyzed, but unfortunetly, in the case of air filters, it is not possible to re-digest as the filter is consumed in the original digest.

Therefore, since the filters cannot be re-digested, ELI is of the opinion that either the uranium MB itself got contaminated or the entire batch could have been exposed to uranium contamination during the digestion process. The former conjecture is based on the fact that all of the batch QC samples were within acceptable limits and replication of the duplicate analysis was also within specifications and the latter is explained by an apparent higher than historical field blank value in sample 006 (HV-B).

I hope this is of some value to you and ELI apologizes for the inconvenience this has caused.

Please feel free to contact me if you have any questions.

Sincerely,

Steve Dobos
Client Services Manager