

APPENDICES

APPENDIX A
SURFACE WATER SAMPLING EVENT SUMMARY

February 12, 2008 Sampling Event

Site personnel arrived at the Site on February 12 to complete installation of the surface water samplers. The Quazite vaults had been previously installed and they planned to install the liners and PVC pre-filtration apparatus. Upon arrival they found that surface water was present due to snowmelt at samplers S-1, S-2 and S-3. There was no flow at sampler S-4, but snow cover was present at that location. The field personnel proceeded to collect surface water samples directly from the Quazite vaults at sample sites S-1, S-2 and S-3. Because the field crew was not planning to sample, they did not have a sampling pump to field filter samples or a water quality meter to measure field parameters. As a result, only raw samples were collected and were filtered in the laboratory, where necessary, and no field parameters were recorded. In addition, only a single polyethylene bailer was available to collect the samples. The bailer was decontaminated between sample locations and an equipment rinsate sample was collected during a decontamination rinse. During the sampling event, it was noted by the sampling personnel that the samples were likely too heavily sediment-laden to be field filtered. The sample liners and pre-filtration apparatus were decontaminated and installed into the Quazite boxes following the conclusion of the snowmelt event on February 25, 2008.

Appendix A-1 contains the Daily Field Report that was prepared for this event. Due to the unexpected nature of this sampling event no Surface Water Sampling Field Data Sheets (SWSFDS) were completed.

September 29, 2008 Sampling Event

Surface water samples were collected on September 29, 2008, as soon as practical following the storm event that occurred on September 27 and 28, 2008. The samplers collected surface water at locations S-1 and S-3. The storm event measured 0.6 inches and 0.5 inches at sample locations S-1 and S-3, respectively. Although rainfall of 0.5 inches and 0.3 inches was recorded at samplers S-2 and S-4 respectively, the samplers did not contain any surface water and the associated drainages did not show signs of recent run-off. Each sampler was sampled using a peristaltic pump with dedicated tubing. In addition to the required surface water samples, duplicate samples were collected at each site. The samples contained high amounts of sediment and were determined to be unfilterable using available field equipment. Therefore, filtering of the dissolved constituent samples was performed in the laboratory. Field parameters were measured from a grab sample during the sampling event.

Following sample collection, pre-cleaned liners and pre-filtration apparatus were installed in samplers S-1 and S-3. The used apparatus from the samplers was decontaminated in the following days, placed in clean plastic bags, and stored for use following the next sampling event.

Appendix A-2 contains the SWSFDS for this sampling event.

Surface Water Sampling Event Summary

October 7, 2008 Sampling Event

Surface water samples were collected on October 7, 2008, as soon as practical following the storm event that occurred on October 5 and 6, 2008. The samplers collected surface water at sites S-1 and S-3. The storm event measured 0.7 inches and 0.8 inches at sample locations S-1 and S-3. Although rainfall of 0.8 inches was recorded at samplers S-2 and S-4, the samplers did not contain any surface water and the associated drainages did not show signs of recent run-off. Each sampler was sampled using a dedicated disposable poly bailer. Both of the samples contained high amounts of sediment and were determined to be unfilterable using available field equipment. Therefore, filtering of the dissolved constituent samples was performed in the laboratory. Field parameters were measured from a grab sample during the sampling event.

Following sample collection, pre-cleaned liners and pre-filtration apparatus were installed in samplers S-1 and S-3. The used apparatus from the samplers were decontaminated in the following days, placed in clean plastic bags, and stored for use following the next sampling event.

Appendix A-3 contains the SWSFDS for this sampling event.

January 27, 2009 Sampling Event

Surface water samples were collected on January 27, 2009, as soon as practical following the snow melt that occurred on January 24 and 25, 2009. The samplers collected surface water at locations S-1, S-2 and S-3. Although snow melt was observed at sampler S-4, the sampler did not contain any surface water and the associated drainages did not show signs of recent run-off. A disposable polyethylene bailer was used to transfer collected surface water from each sampler to the sample bottles. The samples contained high amounts of sediment and minimal organics and were determined to be unfilterable using available field equipment. Therefore, filtering of the dissolved constituent samples was performed in the laboratory. Field parameters were measured from a grab sample during the sampling event.

Following sample collection, pre-cleaned liners and pre-filtration apparatus were installed in samplers S-1, S-2 and S-3. The used apparatus from the samplers were decontaminated, placed in clean plastic bags, and stored for use following the next sampling event.

Appendix A-4 contains the SWSFDS for this sampling event.

May 3, 2009 Sampling Event

Surface water samples were collected on May 3, 2009, as soon as practical following the storm event that occurred on May 2, 2009. The samplers collected surface water at site S-1. The storm event measured 0.4 inches at sample location S-1. Although rainfall/snow melt of 0.4 inches was also recorded at samplers S-2, S-3 and S-4, the samplers did not contain any surface water and the associated drainages

Surface Water Sampling Event Summary

did not show signs of recent run-off. A disposable polyethylene bailer was used to transfer the collected surface water from the sampler to the sample bottles. The samples contained high amounts of sediment and minimal organics and were determined to be unfilterable using available field equipment. Therefore, filtering of the dissolved constituent samples was performed in the laboratory. Field parameters were measured from a grab sample during the sampling event, excluding dissolved oxygen (DO). DO was not measured due to a meter malfunction. The DO probe was sent in for service.

Following sample collection, pre-cleaned liners and pre-filtration apparatus were installed in sampler S-1. The used apparatus from the sampler was decontaminated, placed in clean plastic bags, and stored for use following the next sampling event.

Appendix A-5 contains the SWSFDS for this sampling event.

May 27, 2009 Sampling Event

Surface water samples were collected on May 27, 2009, as soon as practical following the storm event that occurred on May 24 and 25, 2008. The samplers collected surface water at locations S-1 and S-3. The storm event measured 1.4 inches and 1.2 inches at sample locations S-1 and S-3, respectively. Although rainfall of 1.2 inches and 1.3 inches was recorded at samplers S-2 and S-4, respectively, the samplers did not contain any surface water and the associated drainages did not show signs of recent run-off. Each sample was collected using a dedicated disposable polyethylene bailer. In addition to the two surface water samples, a duplicate sample was collected at S-3. The samples contained high amounts of sediment and were determined to be unfilterable using available field equipment. Therefore, filtering of the dissolved constituent samples was performed in the laboratory. Field parameters, except for DO and pH, were measured from a grab sample during the sampling event. The DO probe was out for repairs and the pH probe could not be calibrated properly.

Following sample collection, pre-cleaned liners and pre-filtration apparatus were installed in samplers S-1 and S-3. The used apparatus from the samplers were decontaminated, placed in clean plastic bags, and stored for use following the next sampling event.

Appendix A-6 contains the SWSFDS for this sampling event.

June 22, 2009 Sampling Event

Surface water samples were collected on June 22, 2009, as soon as practical following the storm event that occurred on June 21, 2009. The samplers collected surface water at locations S-1 and S-3. The storm event measured 0.3 inches and 0.4 inches at sample locations S-1 and S-3, respectively. Although rainfall of 0.3 inches and 0.4 inches was recorded at samplers S-2 and S-4, respectively, the samplers did not contain any surface water and the associated drainages did not show signs of recent run-off. Each sample was collected using a dedicated disposable polyethylene bailer. In addition to the two surface water samples, a duplicate sample was collected at S-1. Both of the samples contained high amounts of

Surface Water Sampling Event Summary

sediment and were determined to be unfilterable using available field equipment. Therefore, filtering of the dissolved constituent samples was performed in the laboratory. Field parameters, except for DO and Oxidation-Reduction Potential (ORP), were measured from a grab sample during the sampling event. DO and ORP were not collected as both probes were out for repairs.

Following sample collection, pre-cleaned liners and pre-filtration apparatus were installed in samplers S-1 and S-3. The used apparatus from the samplers were decontaminated, placed in clean plastic bags, and stored for use following the next sampling event.

Appendix A-7 contains the SWSFDS for this sampling event.

June 30, 2009 Sampling Event

Surface water samples were collected on June 30, 2009, as soon as practical following the storm event that occurred on June 27 and 28, 2009. The samplers collected surface water at locations S-1 and S-3. The storm event measured 1.0 inch at both sample locations S-1 and S-3. Although rainfall of 0.8 inches was recorded at both samplers S-2 and S-4, the samplers did not contain any surface water and the associated drainages did not show signs of recent run-off. Each sample was collected using a dedicated disposable polyethylene bailer. Both of the samples contained high amounts of sediment and were determined to be unfilterable using available field equipment. Therefore, filtering of the dissolved constituent samples was performed in the laboratory. Field parameters, except for DO and ORP, were measured from a grab sample during the sampling event. DO and ORP were not collected as both probes were out for repairs.

Following sample collection, pre-cleaned liners and pre-filtration apparatus were installed in samplers S-1 and S-3. The used apparatus from the samplers were decontaminated, placed in clean plastic bags, and stored for use following the next sampling event.

Appendix A-8 contains the SWSFDS for this sampling event.

July 13, 2009 Sampling Event

Surface water samples were collected on July 13, 2009, as soon as practical following the storm event that occurred the prior day. The samplers collected surface water at locations S-1 and S-3. The storm event measured 0.4 inches at both sample locations S-1 and S-3. Although rainfall of 0.4 inches and 0.5 inches was recorded at samplers S-2 and S-4, respectively, the samplers did not contain any surface water and the associated drainages did not show signs of recent run-off. Each sample was collected using a dedicated disposable polyethylene bailer. In addition to the two surface water samples, a duplicate sample was collected at S-3. The samples contained high amounts of sediment and were determined to be unfilterable using available field equipment. Therefore, filtering of the dissolved constituent samples was performed in the laboratory. Field parameters were measured from a grab sample during the sampling event.

Surface Water Sampling Event Summary

Following sample collection, pre-cleaned liners and pre-filtration apparatus were installed in samplers S-1 and S-3. The used apparatus from the samplers were decontaminated, placed in clean plastic bags, and stored for use following the next sampling event.

Appendix A-9 contains the SWSFDS for this sampling event.

July 28, 2009 Sampling Event

Surface water samples were collected on July 28, 2009, as soon as practical following the storm event that occurred on the prior day. The samplers collected surface water at locations S-1, S-3 and S-4. The storm event measured 0.2 inches, 0.25 inches and 0.7 inches at sample locations S-1, S-3 and S-4, respectively. Although rainfall of 0.2 inches was recorded at sampler S-2, the sampler did not contain surface water and the associated drainage did not show signs of recent run-off. Each sample was collected using a dedicated disposable polyethylene bailer. In addition to the three surface water samples, a duplicate sample was collected at S-4. The samples contained high amounts of sediment and were determined to be unfilterable using available field equipment. Therefore, filtering of the dissolved constituent samples was performed in the laboratory. Field parameters were measured from a grab sample during the sampling event.

Following sample collection, pre-cleaned liners and pre-filtration apparatus were installed in samplers S-1, S-3 and S-4. The used apparatus from the samplers were decontaminated, placed in clean plastic bags, and stored for use following the next sampling event.

Appendix A-10 contains the SWSFDS for this sampling event.

APPENDIX A-1
FEBRUARY 12, 2008
SURFACE WATER SAMPLING FIELD DATA SHEETS (SWFDS)

Daily Field Report (DFR)

Project Name Uranium Mill Lic. Support Project No. 83088 Date 2/12/08
 Project Location Naturita, CO Time Arrived 0800
 Contractor _____ Technician _____ Time Departed 1700
 Weather Sunny around 45° F high Travel Time 6 hrs
 Earthwork Equipment Observed Trackhoe trenching Total Time (Hours) 15 hrs
 DFR Given to (or left at) _____ Mileage _____
 Reviewed by _____ Date Reviewed _____ DFR No. _____

Observations/Remarks:

At 8am Site S-2 was inundated and froze over in morning. About 6" of water, with ice veneer, had pooled over the sampling box. Trackhoe excavated trench toward culvert under Hwy 90 to drain area. Trench was successful. In draining area. By 10AM, snowmelt was running at considerable rate over sampling box. Sample was taken at site S-2 w/ out sampling liner. EFR personnel were also present at this time including: Dick White, Brent Kramer. Liner was washed with TSP and rinsed w/ distilled water, then installed and Quazite lid fastened.

At 3pm, site S-3 was inspected and water (snowmelt) discovered flowing over sampling location. Sampling container was full and sample was taken by EFR personnel listed above. Liner washed and rinsed and reinstalled. Sediment had to be removed from bottom of sampling box to fit liner.

At 4pm, site S-4 was inspected, no flowing water in area, sampling box was empty. Sampling location is shaded by scarp to the South. Liner was washed and rinsed, but not installed b/c PVC bracket was too large to fit in box and needs to be re-fabricated. EFR personnel were directed on installation procedure.

NOTE: Observations, pass/fail evaluations, and/or recommendations (if applicable) provided herein have not been reviewed by an engineer and, therefore, should be considered preliminary and subject to change.

 Kleinfelder Representative Signature

 Kleinfelder Representative Print Name

Daily Field Report (DFR)

Project Name Uranium Mill Lic. Support Project No. 03088 Date 2/12/08
 Project Location Natwita, CO Time Arrived 0800
 Contractor _____ Technician _____ Time Departed 1700
 Weather Sunny around 45°F high Travel Time 6 hrs
 Earthwork Equipment Observed Trackhoe excavator Total Time (Hours) 15 hrs
 DFR Given to (or left at) _____ Mileage _____
 Reviewed by _____ Date Reviewed _____ DFR No. _____

Observations/Remarks:

At 4:30 pm, temp around 30°F, snowmelt was not observed to be flowing at site S-1. Site S-1 deep in arroyo was frozen over with about 2" of ice, but sampling box was full of liquid water. Another set of samples taken here by EFR personnel with Kleinfelder oversight. Liner was washed and reused and installed. Finished around 5pm. Sampling location is definitely in flow path; evidence of 2"-4" depth of flow that day. Sediment removal also necessary for insertion of sampling liner. Sampling location not in direct sunlight and may be partially frozen in future.

NOTE: Observations, pass/fail evaluations, and/or recommendations (if applicable) provided herein have not been reviewed by an engineer and, therefore, should be considered preliminary and subject to change.

 Kleinfelder Representative Signature

 Kleinfelder Representative Print Name

APPENDIX A-2
SEPTEMBER 29, 2008
SWSFDS



SURFACE WATER SAMPLING FIELD DATA SHEET

Sampler No.	Sampling Equipment	Analytical Equipment	Sampler's Initials	Time	Date	
S-1	<input checked="" type="checkbox"/> Disposable Bailer <input checked="" type="checkbox"/> Peristaltic Pump Other: (Describe Below)	<input checked="" type="checkbox"/> pH and Temp <input checked="" type="checkbox"/> WTW 3400i Other: (Describe Below)	JWF	18:00	9/29/08	
Rainfall at site: (read on rain gauge on post)			Meter Calibration			
0.6"			Time: 18:00	Automatic Calibrations? Yes <input checked="" type="checkbox"/> No		
			pH <input checked="" type="checkbox"/>	Cond. <input checked="" type="checkbox"/>	D.O. <input checked="" type="checkbox"/> ORP <input checked="" type="checkbox"/>	
Water Level in Sample Box (in.)	24	<input checked="" type="checkbox"/> Specific Conductivity <input checked="" type="checkbox"/> WTW 3400i Other: (Describe Below)	pH pH std. # 1 = 4.01 at 23.2 °C Calibration Evaluation pH std. # 2 = 7.00 at 24.2 °C 3 Bars Slope = -55.8 mV/pH Assymetry = -3 mV			
Amount of Water Removed For Sampling from sample Box (in.)	7		Specific Conductance Cell Constant = 0.486 /cm Calibration Evaluation 3 Bars			
Amount of Water Discarded in Drainage from sample Box (in.)	17	<input checked="" type="checkbox"/> Dissolved Oxygen <input checked="" type="checkbox"/> WTW 3400i Other: (Describe Below)	Dissolved Oxygen Relative Slope = 0.71 at 39.3 °C Calibration Evaluation 3 Bars			
Water Level In The Containment Box (in.)	3	<input checked="" type="checkbox"/> Oxygen-Reduction Potential <input checked="" type="checkbox"/> WTW 3400i Other: (Describe Below)	Oxygen-Reduction Potential Conductance Standard: 230 mV Reads: 210 mV			
Amount of Water Discarded in the Drainage from containment Box (in.)	2					
Amount of Water Remaining in Containment Box (in.)	1					
Date & Time (MST)	Temperature (°C)	pH (s.u.)	Specific Conductivity (µS/cm)	DO (mg/L)	ORP (mV)	Visual Description
9/29/2008 18:40	16.1	7.83	188.00	6.24	148	Like chocolate milk
Condition of Sampler: Berm washed out and was repaired. Replaced Sampler with spare. Decontaminated used sampler and stored in bag. Very little water leaked into containment box due to caulking.			Full Suite: <u>Yes</u> / No			
			# SW-1	Duplicate <u>Yes</u> \ No	# DUP-2	
			Partial Suite: <u>Yes</u> / No		#	
			#	Trip Blank <u>Yes</u> \ No	#	
Additional Comments: Rain event occurred over weekend. Collected samples at earliest available time.			PPE Utilized Gloves <input checked="" type="checkbox"/> Safety Glasses <input checked="" type="checkbox"/>			
			Signature: <i>Jose W. Tallent</i>			



SURFACE WATER SAMPLING FIELD DATA SHEET

Sampler No.	Sampling Equipment	Analytical Equipment	Sampler's Initials	Time	Date	
S-3	<input checked="" type="checkbox"/> Disposable Bailor <input checked="" type="checkbox"/> Peristaltic Pump Other: (Describe Below)	pH and Temp <input checked="" type="checkbox"/> WTW 3400i Other: (Describe Below)	JWF	18:00	9/29/08	
Rainfall at site: (read on rain gauge on post)			Meter Calibration			
0.5"			Time: 18:00	Automatic Calibrations?	Yes <input checked="" type="checkbox"/> No	
			pH <input checked="" type="checkbox"/>	Cond. <input checked="" type="checkbox"/>	D.O. <input checked="" type="checkbox"/>	ORP <input checked="" type="checkbox"/>
Water Level In Sample Box (in.)	24	Specific Conductivity <input checked="" type="checkbox"/> WTW 3400i Other: (Describe Below)	pH pH std. # 1 = 4.01 at 23.2 °C Calibration Evaluation pH std. # 2 = 7.00 at 24.2 °C 3 Bars Slope = -55.8 mV/pH Assymetry = -3 mV			
Amount of Water Removed For Sampling from sample Box (in.)	6		Specific Conductance Cell Constant = 0.486 /cm Calibration Evaluation 3 Bars			
Amount of Water Discarded in Drainage from sample Box (in.)	18	Dissolved Oxygen <input checked="" type="checkbox"/> WTW 3400i Other: (Describe Below)	Dissolved Oxygen Relative Slope = 0.71 at 39.3 °C Calibration Evaluation 3 Bars			
Water Level In The Containment Box (in.)	26		Oxygen-Reduction Potential <input checked="" type="checkbox"/> WTW 3400i Other: (Describe Below)			
Amount of Water Discarded in the Drainage from containment Box (in.)	25		Conductance Standard: 230 mV Reads: 210 mV			
Amount of Water Remaining in Containment Box (in.)	1					
Date & Time (MST)	Temperature (°C)	pH (s.u.)	Specific Conductivity (µS/cm)	DO (mg/L)	ORP (mV)	Visual Description
9/29/2008 18:10	15.2	7.72	193	6.09	188	Like chocolate milk
Condition of Sampler: Containment box filled with water. Replaced Sampler with spare. Decontaminated used sampler and stored in bag.			Full Suite: Yes / No # SW-3 Duplicate Yes \ No # DUP-1			
			Partial Suite: Yes / No # Rinsate Yes \ No #			
			# Trip Blank Yes \ No #			
Additional Comments: Rain event occurred over weekend. Collected samples at earliest available time.			PPE Utilized Gloves <input checked="" type="checkbox"/> Safety Glasses			
			Signature: <i>[Handwritten Signature]</i>			

APPENDIX A-3
OCTOBER 7, 2008
SWSFDS



SURFACE WATER SAMPLING FIELD DATA SHEET

Sampler No.	Sampling Equipment	Analytical Equipment	Sampler's Initials	Time	Date	
S-3	<input checked="" type="checkbox"/> Disposable Bailor Peristaltic Pump	pH and Temp <input checked="" type="checkbox"/> WTW 3400i	JWF	20:00	10/6/08	
Rainfall at site: (read on rain gauge on post)	Other: (Describe Below)	Other: (Describe Below)	Meter Calibration			
0.8"			Time: 5:10	Automatic Calibrations? Yes <input checked="" type="checkbox"/> No		
			pH <input checked="" type="checkbox"/>	Cond. <input checked="" type="checkbox"/>	D.O. <input checked="" type="checkbox"/> ORP <input checked="" type="checkbox"/>	
Water Level in Sample Box (In.)	24	Specific Conductivity <input checked="" type="checkbox"/> WTW 3400i	pH pH std. # 1 = 4.01 at 8.7 °C Calibration Evaluation			
Amount of Water Removed For Sampling from sample Box (In.)	8	Other: (Describe Below)	pH std. # 2 = 7.00 at 8.7 °C 3 Bars			
Amount of Water Discarded in Drainage from sample Box (In.)	16	Dissolved Oxygen <input checked="" type="checkbox"/> WTW 3400i	Slope = -56.1 mV/pH Assymetry = -8 mV			
Water Level in The Containment Box (In.)	26	Other: (Describe Below)	Specific Conductance Cell Constant = 0.459 /cm Calibration Evaluation			
Amount of Water Discarded In the Drainage from containmant Box (In.)	24	Oxygen-Reduction Potential <input checked="" type="checkbox"/> WTW 3400i	Relative Slope = 0.71 at 8.5 °C Calibration Evaluation			
Amount of Water Remaining in Containment Box (In.)	2	Other: (Describe Below)	Oxygen-Reduction Potential Conductance Standard: 230 mV Reads: 242 mV			
Date & Time (MST)	Temperature (°C)	pH (s.u.)	Specific Conductivity (µS/cm)	DO (mg/L)	ORP (mV)	Visual Description
10/7/08 05:30	2.3	8.48	135	4.41	165	Like chocolate milk
Condition of Sampler: Sampler working well. Berm washed out slightly and was repaired with addition of rocks. Replaced Sampler with spare. Decontaminated used sampler and stored in bag. Water leaked into outer box. Added caulking to bolt holes.			Full Suite: <u>Yes</u> / No			
Additional Comments: Rain event occurred over weekend. Collected samples at Monday evening, stored in refrigerator, and took readings Tuesday morning.			# SW-3	Duplicate	Yes \ No #	
			Partial Suite: <u>Yes</u> / No		Rinsate	Yes \ No #
			#	Trip Blank	Yes \ No #	
PPE Utilized			Gloves		<input checked="" type="checkbox"/>	
			Safety Glasses		<input checked="" type="checkbox"/>	
Signature: <i>[Handwritten Signature]</i>						

APPENDIX A-4
JANUARY 27, 2009
SWSFDS



SURFACE WATER SAMPLING FIELD DATA SHEET

Sampler No.	Sampling Equipment	Analytical Equipment	Sampler's Initials	Time	Date	
SW-3	<input checked="" type="checkbox"/> Disposable Bailor <input type="checkbox"/> Peristaltic Pump Other: (Describe Below)	pH and Temp <input checked="" type="checkbox"/> WTW 3400i Other: (Describe Below)	JWF	15:38	1/27/09	
Rainfall at site: (read on rain gauge on post)			Meter Calibration			
snow melt event			Time: 16:10 pH <input checked="" type="checkbox"/> Cond. <input checked="" type="checkbox"/> D.O. <input checked="" type="checkbox"/> ORP <input checked="" type="checkbox"/>	Automatic Calibrations? Yes <input checked="" type="checkbox"/> No		
Water Level In Sample Box (in.)	23	Specific Conductivity <input checked="" type="checkbox"/> WTW 3400i Other: (Describe Below)	pH pH std. # 1 = 4.01 at 11.7 °C Calibration Evaluation pH std. # 2 = 7.00 at 11.7 °C 3 Bars Slope = -58.1 mV/pH Assymetry = -3 mV			
Amount of Water Removed For Sampling from sample Box (in.)	11	Dissolved Oxygen <input checked="" type="checkbox"/> WTW 3400i Other: (Describe Below)	Specific Conductance Cell Constant = 0.499 /cm Calibration Evaluation 3 Bars			
Amount of Water Discarded In Drainage from sample Box (in.)	1		Dissolved Oxygen RelativeSlope = 0.75 at 15 °C Calibration Evaluation 2 Bars			
Water Level In The Containment Box (in.)	8	Oxygen-Reduction Potential <input checked="" type="checkbox"/> WTW 3400i Other: (Describe Below)	Oxygen-Reduction Potential Conductance Standard: 220 mV Reads: 233 mV			
Amount of Water Discarded in the Drainage from containment Box (in.)	7					
Amount of Water Remaining In Containment Box (in.)	1					
Time (MST)	Temperature (°C)	pH (s.u.)	Specific Conductivity (µS/cm)	DO (mg/L)	ORP (mV)	Visual Description
15:38	1.1	8.37	173	11.76	168	Very muddy, organic materials apparent, slight icing in sampler.
Condition of Sampler: Sampler performed well, but flow in drainage was unusually muddy. 23" water level in sampler but only 12" was water, 10" of mud in bottom of sampler, minimal water in containment. Water much too murky to filter on site. Installed new sampler.			Full Suite: Yes / No			
Additional Comments: Snow melt event, heavy silt in sampler including what appeared to be significant amounts of organic material. Took full suite plus two additional 4L samples for nitrate/nitrite as per ZR.			# SW-3-4	Duplicate Yes \ No	#	
			Partial Suite: Yes / No		Rinsate Yes \ No	#
			#	Trip Blank Yes \ No	#	
			PPE Utilized			
			Gloves		<input checked="" type="checkbox"/>	
			Safety Glasses		<input checked="" type="checkbox"/>	
			Signature: <i>James W. Sullivan</i>			

CUSTOMER RECEIPT
 Operator ID/Retailer: AEN
 PEC-ASAP Account #: 8317A
 COOP COUNTRY
 970-864-7323
 995 MAIN STREET
 NUCLA CO 81424
 Weight: 31 LBS

Sender:
 ENERGY FUELS RESOURCES
 970-864-7775

Freight: \$16.44
 Packing Chgs.: \$0.00
 Additional Features: \$0.00
 Other Chgs.: \$0.00
 Coupon \$0.00

SZ: 18X11X13

Ship To:
 ACZ LABORATORIES INC
 (970) 879-6590
 2773 DOWNHILL DR
 STEAMBOAT SPRINGS CO 80487

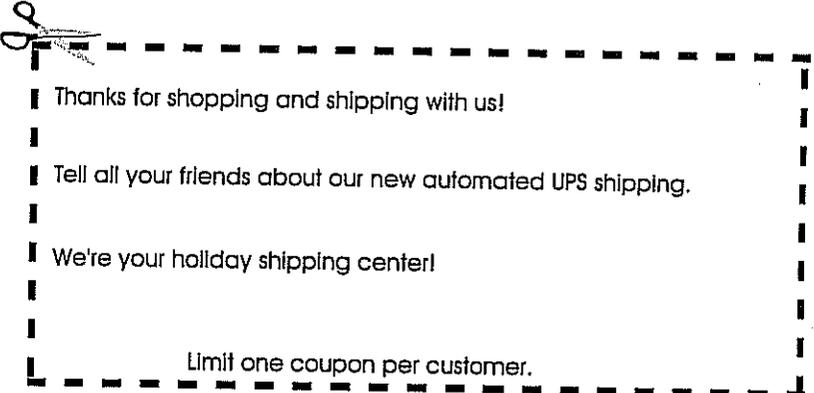
Total Due: \$16.44

Multiple Shipment MULTI

Savings	UPS	Post Office
1. Insurance	Free for 1st \$100	\$2.15 for 1st \$100
2. Tracking	Free	Additional Cost
3. You saved \$4.71 shipping this package UPS than Priority Mail.		

Ship Date: 01/28/2009 Via: GROUND COMMERCIAL
 Track#: 1Z 4R8 697 03 0002 4556 Zone: 2
 Package ID: 2455
 Contents: water samples
 Declared value: 100

Paid By: Cash



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CLAIMS: Do not dispose of any packing material or merchandise until the claim is paid or investigated by PEC. In no event will **consequential damages** or **expenses** be covered. In the event of **partial loss** or **partial damages**, coverage will be **pro-rated** based on total contents and total declared value of contents and only partial reimbursement will be made. Claims on **antiques** must have a **prior appraisal** or other proof of value within the last 9 months of shipping. PEC retains the **salvage rights** and **will keep** the items on claims that are paid. **Claim payments will be made for the lowest of: repair cost, original cost, replacement cost, or declared value.**

THIS RETAILER WILL NOT SHIP: Guns, ammunition, hazardous materials, alcoholic beverages, perishables, packages valued over \$25,000, or any item **prohibited** by the carrier according to their stated tariffs. **NO CLAIM** on these items will be honored.

By shipping any package that does not comply with these Terms & Conditions, the Shipper hereby releases Package Express Centers from any liability and understands that the package will be solely covered by UPS.

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Operator ID/Retailer: AEN
PEC-ASAP Account #: 8317A
COOP COUNTRY
970-864-7323
995 MAIN STREET
NUCLA CO 81424
Weight: 34 LBS
SZ: 18X11X13

Sender:
ENERGY FUELS RESOURCES
970-864-7775

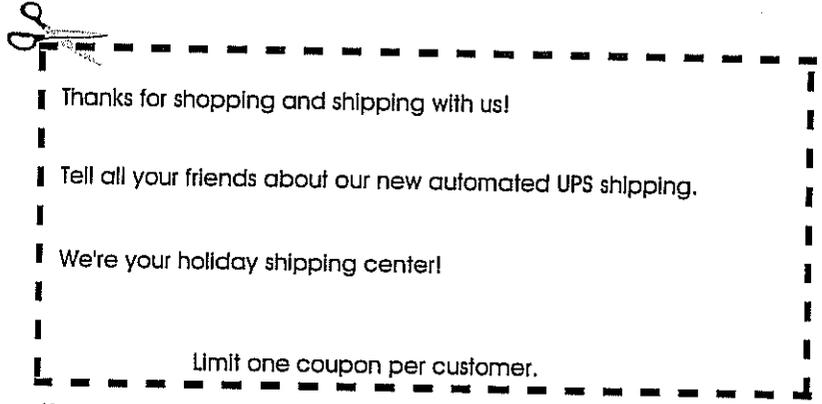
Ship To:
ACZ LABORATORIES INC
(970) 879-6590
2773 DOWNHILL DR
STEAMBOAT SPRINGS CO 80487

Freight: \$17.09
Packing Chgs.: \$0.00
Additional Features: \$0.00
Other Chgs.: \$0.00
Coupon \$0.00
Total Due: \$17.09
Multiple Shipment MULTI

Savings	UPS	Post Office
1. Insurance	Free for 1st \$100	\$2.15 for 1st \$100
2. Tracking	Free	Additional Cost
3. You saved \$5.01 shipping this package UPS than Priority Mail.		

Ship Date: 01/28/2009 Via: GROUND COMMERCIAL
Track#: 1Z 4R8 697 03 0002 4547 Zone: 2
Package ID: 2454
Contents: water samples
Declared value: 100

Paid By: Cash



Thanks for shopping and shipping with us!
Tell all your friends about our new automated UPS shipping.
We're your holiday shipping center!

Limit one coupon per customer.

You are a member of our Frequent Shipper program..every 11th UPS Pkg FREE*

Packages to go = 8 for your Frequent Shipper Discount
*FREE = 5lbs and under Ground Service

TS2000 Version # 11.0.19

TERMS & CONDITIONS

CLAIMS: Do not dispose of any packing material or merchandise until the claim is paid or investigated by PEC. In no event will *consequential damages* or *expenses* be covered. In the event of *partial loss* or *partial damages*, coverage will be *pro-rated* based on total contents and total declared value of contents and only partial reimbursement will be made. Claims on *antiques* must have a *prior appraisal* or other proof of value within the last 9 months of shipping. PEC retains the *salvage rights* and *will keep* the items on claims that are paid. *Claim payments will be made for the lowest of: repair cost, original cost, replacement cost, or declared value.*
THIS RETAILER WILL NOT SHIP: Guns, ammunition, hazardous materials, alcoholic beverages, perishables, packages valued over \$25,000, or any item *prohibited* by the carrier according to their stated tariffs. **NO CLAIM** on these items will be honored.
By shipping any package that does not comply with these Terms & Conditions, the Shipper hereby releases Package Express Centers from any liability and understands that the package will be solely covered by UPS.

CUSTOMER RECEIPT

Operator ID/Retailer: AEN
 PEC-ASAP Account #: 8317A
 COOP COUNTRY
 970-864-7323
 995 MAIN STREET
 NUCLA CO 81424
 Weight: 53 LBS

Sender:
 ENERGY FUELS RESOURCES
 970-864-7775

SZ: 24X13X15

Freight: \$21.31
 Packing Chgs.: \$0.00
 Additional
 Features: \$0.00
 Other Chgs.: \$0.00
 Coupon \$0.00

Ship To:
 ACZ LABORATORIES INC
 (970) 879-6590
 2773 DOWNHILL DR
 STEAMBOAT SPRINGS CO 80487

Total Due: \$21.31
 Multiple Shipment MULTI

Savings	UPS	Post Office
1. Insurance	Free for 1st \$100	\$2.15 for 1st \$100
2. Tracking	Free	Additional Cost
3. You saved \$7.79 shipping this package UPS than Priority Mail.		

Ship Date: 01/28/2009 Via: GROUND COMMERCIAL
 Track#: 1Z 4R8 697 03 0002 4538 Zone: 2
 Package ID: 2453
 Contents: water samples
 Declared value: 100

Paid By: Cash

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Packages to go = 9 for your Frequent Shipper Discount
 *FREE = 5lbs and under Ground Service

TS2000 Version # 11.0.19

TERMS & CONDITIONS

CLAIMS: Do not dispose of any packing material or merchandise until the claim is paid or investigated by PEC. In no event will **consequential damages** or **expenses** be covered. In the event of **partial loss** or **partial damages**, coverage will be **pro-rated** based on total contents and total declared value of contents and only partial reimbursement will be made. Claims on **antiques** must have a **prior appraisal** or other proof of value within the last 9 months of shipping. PEC retains the **salvage rights** and **will keep** the items on claims that are paid. **Claim payments will be made for the lowest of: repair cost, original cost, replacement cost, or declared value.**

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CUSTOMER RECEIPT
 Operator ID/Retailer: AEN
 PEC-ASAP Account #: 8317A
 COOP COUNTRY
 970-864-7323
 995 MAIN STREET
 NUCLA CO 81424
 Weight: 53 LBS

Sender:
 ENERGY FUELS RESOURCES
 970-864-7775

SZ: 24X13X15

Ship To:
 ACZ LABORATORIES INC
 (970) 879-6590
 2773 DOWNHILL DR
 STEAMBOAT SPRINGS CO 80487

Freight: \$21.31
 Packing Chgs.: \$0.00
 Additional Features: \$0.00
 Other Chgs.: \$0.00
 Coupon \$0.00

Total Due: \$21.31

Multiple Shipment MULTI

Savings	UPS	Post Office
1. Insurance	Free for 1st \$100	\$2.15 for 1st \$100
2. Tracking	Free	Additional Cost
3. You saved \$7.79 shipping this package UPS than Priority Mail.		

Ship Date: 01/28/2009 Via: GROUND COMMERCIAL
 Track#: 1Z 4R8 697 03 0002 4529 Zone: 2
 Package ID: 2452
 Contents: water samples
 Declared value: 100

Paid By: Cash

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We're your holiday shipping center!

Limit one coupon per customer.

You are a member of our Frequent Shipper program...every 11th UPS Pkg FREE*

Packages to go = 10 for your Frequent Shipper Discount
 *FREE = 5lbs and under Ground Service

TS2000 Version # 11.0.19

TERMS & CONDITIONS

CLAIMS: Do not dispose of any packing material or merchandise until the claim is paid or investigated by PEC. In no event will **consequential damages** or **expenses** be covered. In the event of **partial loss** or **partial damages**, coverage will be **pro-rated** based on total contents and total declared value of contents and only partial reimbursement will be made. Claims on **antiques** must have a **prior appraisal** or other proof of value within the last 9 months of shipping. PEC retains the **salvage rights** and **will keep** the items on claims that are paid. **Claim payments will be made for the lowest of: repair cost, original cost, replacement cost, or declared value.**

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By shipping any package that does not comply with these Terms & Conditions, the Shipper hereby releases Package Express Centers from any liability and understands that the package will be solely covered by UPS.

151-50007 a
SW Samples - Shipping

THANK YOU FOR SHOPPING AT
NUCLA CO-OP
(970) 864-7323

1/28/09 12:59PM AILEEN 576 SALE

3136	1	EA	16.44	EA	N
UPS SHIPPING CHARGES					16.44
3136	1	EA	17.09	EA	N
UPS SHIPPING CHARGES					17.09
3136	1	EA	21.31	EA	N
UPS SHIPPING CHARGES					21.31
3136	1	EA	21.31	EA	N
UPS SHIPPING CHARGES					21.31

SUB-TOTAL: 76.15 TAX: .00
TOTAL: 76.15
CHARGE AMT: 76.15



==>> JRNL#E41585 INV#159401 <<==
CUST # 4405

Jess W Fulbright

Name: X
JESS FULBRIGHT
Acct: ENERGY FUELS RESOURCES
PO#: SURFACE WATER

Fulbright, Jess

From: Rogers, Zach
Sent: Wednesday, January 28, 2009 9:40 AM
To: Tony Antelak (tonya@acz.com)
Cc: Fulbright, Jess
Subject: Surface Water Samples

Tony,

Jess collected 3 surface water samples at the Pinon Ridge site yesterday and sent them your way today. You guys should see them tomorrow morning or afternoon. There are a couple of special requests on the COC I wanted to make you aware of.

- 1) Dissolved Metals, Radionuclides, other parameters could not be field filtered due to high sediment content. They need to be filtered in the lab. These samples were not preserved in the field.
- 2) Additional samples for total radionuclides were included. Please analyze for the same parameters as the dissolved radionuclides.
- 3) Please remove nitrate and nitrite analyses from the parameter list and replace with nitrate/nitrite. Due to inability to meet hold times on the samples, we will only be analyzing for nitrate/nitrite. Please update the quotes SW-TBL-4 and SW-TBL-4-INITIAL with this change as it will be permanent.

Please feel free to write or call me with questions. I'm in training this week so call my cell phone number below between now and a week from today. If you call, I may not answer right away but will be able to call back within an hour or so. Email is probably better though.

Zach Rogers, EIT | Environmental Engineer
Main: 303.974.2040 | Fax: 303.974.2141 | Cell: 303.916.8541
zrogers@energyfuels.com

APPENDIX A-5
MAY 3, 2009
SWSDFS

APPENDIX A-6
MAY 27, 2009
SWSFDS

APPENDIX A-7
JUNE 22, 2009
SWSFDS

APPENDIX A-8
JUNE 30, 2009
SWSDFS



SURFACE WATER SAMPLING FIELD DATA SHEET

Sampler No.	Sampling Equipment	Analytical Equipment	Sampler's Initials	Time	Date
SW-1	<input checked="" type="checkbox"/> Disposable Bailer <input type="checkbox"/> Peristaltic Pump Other: (Describe Below)	pH and Temp <input checked="" type="checkbox"/> WTW 3400i Other: (Describe Below)	JWF	0600 MST	6/30/2009
Rainfall at site: (read on rain gauge on post)			Meter Calibration		
1.0"			Time: 0810mst Date: 6/30/2009 Automatic Calibrations? Yes	pH X Cond. X D.O. NA ORP NA	
Water Level in Sample Box (In.)	24	Specific Conductivity <input checked="" type="checkbox"/> WTW 3400i Other: (Describe Below)	<p style="text-align: center;">pH</p> pH std. # 1 = 4.01 at 22.6 °C Calibration Evaluation pH std. # 2 = 7.00 at 22.6 °C 2 Bars Slope = -58 mV/pH Asymmetry = -14 mV		
Amount of Water Removed For Sampling from sample Box (In.)	14	Dissolved Oxygen NA WTW 3400i Other: (Describe Below)	Specific Conductance		
Amount of Water Discarded in Drainage from sample Box (In.)	10		Cell Constant = 0.459 /cm Calibration Evaluation 3 Bars		
Water Level in The Containment Box (In.)	12	Probe not available please see note # 1 below	Dissolved Oxygen		
Amount of Water Discarded in the Drainage from containment Box (In.)	11	Oxygen-Reduction Potential NA WTW 3400i Other: (Describe Below)	Relative Slope = NA at NA °C Calibration Evaluation NA Bars		
Amount of Water Remaining in Containment Box (In.)	1		Oxygen-Reduction Potential		
			Conductance Standard: 230 mV Reads: NA mV		

Time (MST)	Temperature (°C)	pH (s.u.)	Specific Conductivity (µS/cm)	DO (mg/L)	ORP (mV)	Visual Description
0642 MST	19.6	7.24	167	NA - See note	NA - See note	Fairly Muddy

Note: Dissolved oxygen probe and Oxygen Reduction Potential probes are out for repairs.

Condition of Sampler: Good	Full Suite: / No		
	#	Duplicate \ No	#
	Partial Suite: Yes /	Rinsate \ No	#
	# SW-1	Trip Blank \ No	#
Additional Comments: Post sampling calibration conducted at 0915 MST 6-30-09, all good, PH passed with 2 Bars and conductivity with 3 Bars.	PPE Utilized	Gloves	X
		Safety Glasses	X
	Signature: <i>Jessie W. Tullig</i>		

APPENDIX A-9
JULY 13, 2009
SWSDFS

APPENDIX A-10
JULY 28, 2009
SWSFDS



SURFACE WATER SAMPLING FIELD DATA SHEET

Sampler No.	Sampling Equipment	Analytical Equipment	Sampler's Initials	Time	Date						
SW-1	<input checked="" type="checkbox"/> Disposable Bailor <input type="checkbox"/> Peristaltic Pump Other: (Describe Below)	pH and Temp <input checked="" type="checkbox"/> WTW 3400i Other: (Describe Below)	JWF/AM	1200MST	7/28/09						
Rainfall at site: (read on rain gauge on post)			#NAME?								
0.20"			Time: 0600mst Date: 7/28/2009 Automatic Calibrations? Yes	pH <input checked="" type="checkbox"/> Cond. <input checked="" type="checkbox"/> D.O. <input checked="" type="checkbox"/> ORP							
Water Level in Sample Box (In.)	24"	Specific Conductivity <input checked="" type="checkbox"/> WTW 3400i Other: (Describe Below)	pH pH std. # 1 = 4.01 at 24.7 °C Calibration Evaluation pH std. # 2 = 7.00 at 24.7 °C 2 Bars Slope = -57.6 mV/pH Assymetry = -21 mV								
Amount of Water Removed For Sampling from sample Box (In.)	14"	Dissolved Oxygen <input checked="" type="checkbox"/> WTW 3400i Other: (Describe Below)	Specific Conductance Cell Constant = 0.455 1/cm Calibration Evaluation 3 Bars								
Amount of Water Discarded In Drainage from sample Box (In.)	10"		Dissolved Oxygen Relative Slope = 0.89 at 24.7 °C Calibration Evaluation 3 Bars								
Water Level in The Containment Box (In.)	12"	Oxygen-Reduction Potential <input checked="" type="checkbox"/> WTW 3400i Other: (Describe Below)	Oxygen-Reduction Potential Conductance Standard: 230 mV Reads: 201 mV								
Amount of Water Discarded in the Drainage from containment Box (In.)	11"										
Amount of Water Remaining in Containment Box (In.)	1"										
Time (MST)	Temperature (°C)	pH (s.u.)	Specific Conductivity (µS/cm)	DO (mg/L)	ORP (mV)	Visual Description					
1200MST	15.8	8.18	253.00	0.14	79	Fairly Muddy					
Condition of Sampler: Very Good, all working well.		Full Suite: / No		Duplicate \ No #		Partial Suite: Yes /		Rinsate \ No #		Trip Blank \ No #	
Additional Comments: Encountered a black widow spider that exhibited the ability to jump. Archie and I measured the distance the spider jumped at 26.5". Post sampling calibration performed @ 1920 MST on 7-28-09		PPE Utilized		Gloves		Safety Glasses		X		X	
		Signature:									



SURFACE WATER SAMPLING FIELD DATA SHEET

Sampler No.	Sampling Equipment	Analytical Equipment	Sampler's Initials	Time	Date	
SW-3	<input checked="" type="checkbox"/> Disposable Bailer Peristaltic Pump Other: (Describe Below)	pH and Temp <input checked="" type="checkbox"/> WTW 3400i Other: (Describe Below)	AM/JWF	1448 MST	7/28/09	
Rainfall at site: (read on rain gauge on post)			Meter Calibration			
0.25"			Time: 0500mst	Date: 7/28/2009	Automatic Calibrations? Yes	
Water Level in Sample Box (in.)	24"	Specific Conductivity <input checked="" type="checkbox"/> WTW 3400i Other: (Describe Below)	pH <input checked="" type="checkbox"/>	Cond. <input checked="" type="checkbox"/>	D.O. <input checked="" type="checkbox"/> ORP	
Amount of Water Removed For Sampling from sample Box (in.)	14"		pH pH std. # 1 = 4.01 at 24.7 °C Calibration Evaluation pH std. # 2 = 7.00 at 24.7 °C 2 Bars Slope = -57.6 mV/pH Assymetry = -21 mV			
Amount of Water Discarded In Drainage from sample Box (in.)	10"	Dissolved Oxygen <input checked="" type="checkbox"/> WTW 3400i Other: (Describe Below)	Specific Conductance Cell Constant = 0.455 1/cm Calibration Evaluation 3 Bars			
Water Level In The Containment Box (in.)	11"	Oxygen-Reduction Potential <input checked="" type="checkbox"/> WTW 3400i Other: (Describe Below)	Dissolved Oxygen Relative Slope = 0.89 at 24.7 °C Calibration Evaluation 3 Bars			
Amount of Water Discarded in the Drainage from containment Box (in.)	10"		Oxygen-Reduction Potential Conductance Standard: 230 mV Reads: 201 mV			
Amount of Water Remaining In Containment Box (in.)	1"					
Time (MST)	Temperature (°C)	pH (s.u.)	Specific Conductivity (µS/cm)	DO (mg/L)	ORP (mV)	Visual Description
1448 MST	20.2	8.19	158.00	2.81	94	Fairly Muddy
Condition of Sampler: Good.			Full Suite: / No			
			#	Duplicate \ No	#	
			Partial Suite: Yes /	Rinse \ No	#	
			SW-3	Trip Blank \ No	#	
Additional Comments: Aρχile found a dead frog in sampler, post sampling calibration performed @ 1920 MST.			PPE Utilized	Gloves	<input checked="" type="checkbox"/>	
				Safety Glasses	<input checked="" type="checkbox"/>	
			Signature: <i>Jon W. Fallright</i>			

