

# The Reno Creek Project - Monitor Well Sampling Report

# AUC LLC

Location ID	SM6	Sample Date:	2/7/11	Sampling Company:	TREC	Sampled By 1:	TN
Sample Event	Q1-2011					Sampled By 2:	JS2
						Sampled By 3:	None

### Well Information:

Well Total Depth (TD)	80	ft	Well Measuring Point (MP) Location:	North Side-Marked
Sampled From:	Monitoring Well	Well Inside Diameter:	4.5	inches
Screened Interval:	60	Feet to	80	Feet
		Pump Type Used:	Bailer	
		Pump Intake Depth:	75	ft
		Tubing Type:	Non-dedicated Plastic	

### Well Fluid Measurements:

Time (military):	1035	Weather:	Air Temp	15	(°F)	Conditions:	Windy, very cold
Water level gauged using:	Electronic tape						
Depth to Water (DTW) below MP:	73.03	ft					
Water Column Height (TD-DTW):	6.97	ft					
Water volume = $\pi r^2 h$ (cf)	5.76	gallons					
3 Well Volumes:	17.27	gallons					

### Purging:

Purge Date	2/2/11	Purge Time Begin	10:00	Low Flow Pump Controller Settings:	Charge Time	Exhaust Time	
Purge Pump Type:	Bailer	Pumping Rate:		Meter Type(1):	YSI Multi	Meter Calibration Date:	1/26/11
Volume Purged Prior to Sampling:	6.21	gallons		Meter Type(2):	Hach Turbidity	Meter Calibration Date:	2/2/11
				Meter Type(3):		Meter Calibration Date:	

### Field Stabilization Measurements:

Sample ID	Purge Date	Time (min.)	Purge Rate (ml/min)	Purge Rate (gal/min)	Temp (°C)	Conductivity (µmhos/cm)	DO (mg/L)	pH (su)	ORP (mV)	Turbidity (NTU)	Water Level (ft)	Comments
SM6-001-110207	02/02/11	1045			9.05	1294	3.61	8.42	183.7	304.0	73.03	
		1055			8.70	1304	2.46	8.51	158.5	362.0	74.51	
		1115			7.43	1249	2.07	8.44	151.7	840.0	75.06	
Repeat Last Stabilization Meas.												

### Sampling:

Sample Date	2/7/2011	Sample Collection Time (MT):	1045
Sample Pump Type:	Bailer	Meter Type(1):	YSI Multi
		Meter Type(2):	Hach Turbidity
		Meter Type(3):	
		Meter 1 Calibration Date:	1/26/11
		Meter 2 Calibration Date:	2/2/11
		Meter 3 Calibration Date:	

### Analysis:

QA/QC Sample	No	QA/QC Type	None	COC#1:	RC08005	Lab 1	IML
Duplicate Name		Duplicate Sample Time		COC#2:		Lab 2	
				COC#3:		Lab 3	

Analysis: Table 1- 4.14, Guide 8, & Radon 222

Comments:

Hand bailed and sampled due to slow recharge rate

Stabilization Parameters
Temp = +/- 3% in celsius
pH = +/- 0.1 unit
SC = +/- 3% in µmhos/cm
ORP/Eh = +/- 10 millivolts
DO = +/- 10% in mg/L
Turbidity = +/- 10% for values > 5

Range values for data entry				
Conductivity Range (µmhos/cm)	Turbidity (NTU)	Dissolve Oxygen (DO) (mg/L)	Temperature Range (°C)	Ox/Reduc Potential (mV)
Min 0	Min 0	Min 0.01	Min -20	Min -400
Max 2000	Max 1000	Max 2000	Max 80	Max 700