EPA REGION 8'S RESPONSE TO PETITION FOR REVIEW

ATTACHMENT O - Part 1

UIC Class III Permit Application
Appendix N, Groundwater Quality
Summary Tables;
Appendix O, Groundwater Quality Analytical Data

Administrative Record Document Nos. 260 and 261

POWERTECH (USA) INC.

APPENDIX N

Groundwater Quality Summary Tables

POWERTECH (USA) INC.

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Data Qualifiers

b -	analyte detected in method blank
d -	RL increased due to sample matrix interference
h -	analysis performed past recommended hold time
j -	not detected above minimum detectable concentration
l -	lowest available reporting limit for method used

POWERTECH (USA) INC.

Dewey-Burdock Project				Alluvial Water Quality					Summary Statistics on Hydro ID Means					
Hydro ID				675	676	677	678	679						
Analyte	Units	Federal MCL	Secondary Standard	Mean*	Mean*	Mean*	Mean*	Mean*	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters														
Field Conductivity	umhos/cm			6157	2961.25	11255.5	5936.75	2665.75	5	0	2665.75	11255.5	5795.25	3456.54
Field Dissolved Oxygen	mg/L			0.82	7.915	0.775	1.535	9.44	5	0	0.775	9.44	4.097	4.23
Field pH	s.u.		6.5-8.5	7.115	6.98	6.7525	7.0075	7.435	5	0	6.7525	7.435	7.058	0.25
Field Temperature	Deg C			12.03	10.74	10.1025	10.7925	11.085	5	0	10.10	12.03	10.95	0.70
Field Turbidity	NTUs			20.85	510.6	3.75	7.75	798.5	5	0	3.75	798.5	268.29	367.06
Water Level Elevation	ft AMSL			3482.56	3643.9975	3561.71	3582.1725	3685.4625	5	0	3482.56	3685.46	3591.1805	78.15
Physical Properties														
Conductivity @ 25 C	umhos/cm			6205	2962.5	11375	5952.5	2460	5	0	2460	11375	5791	3552.27
Oxidation-Reduction Potential	mV			213.33	253.33	193.33	223.33	223.33	5	0	193.33	253.33	221.33	21.68
pH, Laboratory	s.u.		6.5-8.5	7.3475	7.24	7.16	7.385	7.59	5	0	7.16	7.59	7.3445	0.16
Sodium Adsorption Ratio (SAR)	unitless			6.43	0.94	16.33	5.03	0.86	5	0	0.86	16.33	5.92	6.32
Solids, Total Dissolved TDS @ 180 C	mg/L		500	5950	2750	9325	5875	2525	5	0	2525	9325	5285	2790.87
Major Ions														
Alkalinity, Total as CaCO3	mg/L			385	224	497	479	144.5	5	0	144.5	497	345.9	156.12
Bicarbonate as HCO3	mg/L			469.25	273.25	606	583.75	176.5	5	0	176.5	606	421.75	190.16
Calcium, Dissolved	mg/L			424.75	514.5	467	426	454	5	0	424.75	514.5	457.25	36.80
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	5	5	<5	<5	<5	<5
Chloride	mg/L		250	65.75	14.5	1625	68.75	12	5	0	12	1625	357.2	709.24
Fluoride	mg/L	4	2	0.4	0.275	0.225	0.6375	0.325	5	0	0.225	0.6375	0.3725	0.16
Magnesium, Dissolved	mg/L			371.25	115	405.75	441.5	97.625	5	0	97.625	441.5	286.225	166.22
Nitrogen, Ammonia as N	mg/L			0.325	<0.1	0.0875	<0.1	<0.1	5	3	<0.1	0.325	0.1125	0.12
Nitrogen, Nitrate as N	mg/L	10		0.055	0.865	0.1025	0.1475	1.225	5	0	0.055	1.225	0.479	0.53
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			24.85	11.875	11.325	19.15	11.7	5	0	11.325	24.85	15.78	6.03
Silica	mg/L			13.15	12.2	8.45	13.625	10.425	5	0	8.45	13.625	11.57	2.13
Sodium, Dissolved	mg/L			730.25	88.75	1965	612.5	76.875	5	0	76.875	1965	694.675	769.83
Sulfate, Total	mg/L		250	3522.5	1735	4425	3485	1485	5	0	1485	4425	2930.5	1265.91
Metals, Dissolved														
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.001	<0.001	0.001	0.001	<0.001	5	2	<0.001	0.001	0.001	0.0003
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			0.350	0.450	0.800	1.425	0.400	5	0	0.350	1.425	0.685	0.450
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	5	5	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	5	5	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	5	5	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	0.5525	<0.03	<0.03	<0.03	<0.03	5	4	<0.03	0.553	0.123	0.240
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	5	5	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	3.11	0.013	2.413	2.803	0.063	5	0	0.013	3.110	1.680	1.520
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	5	5	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	5	5	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		0.001	0.013	0.001	0.002	0.013	5	0	0.001	0.013	0.006	0.006
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	5	5	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	5	5	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.039	0.055	0.038	0.036	0.014	5	0	0.014	0.055	0.036	0.015
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	0.088	<0.1	5	4	<0.1	0.088	0.058	0.017
Zinc, Dissolved	mg/L		5	0.013	0.011	0.013	0.008	<0.01	5	1	<0.01	0.013	0.010	0.003
Metals, Dissolved, Speciated														
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	5	5	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			0.001	0.012	<0.001	0.001	0.011	5	1	<0.001	0.012	0.005	0.006
Metals, Suspended														
Uranium, Suspended	mg/L	0.03		0.001	0.020	0.008	0.001	0.003	5	0	0.001	0.020	0.007	0.008
Metals, Total														
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	<0.003	5	5	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.002	0.011	0.001	0.002	0.009	5	0	0.001	0.011	0.005	0.005
Barium, Total	mg/L	2		<0.1	0.275	<0.1	<0.1	0.250	5	3	<0.1	0.275	0.135	0.117
Beryllium, Total	mg/L	0.004		<0.001	0.002	<0.001	<0.001	0.001	5	3	<0.001	0.002	0.001	0.001
Boron, Total	mg/L			0.175	0.450	0.700	1.500	0.225	5	0	0.175	1.500	0.610	0.539
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.001	5	5	<0.001	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	0.038	<0.05	<0.05	<0.05	5	4	<0.05	0.038	0.028	0.006
Copper, Total	mg/L		1	<0.01	0.063	<0.01	<0.01	0.025	5	3	<0.01	0.063	0.021	0.025
Iron, Total	mg/L		0.3	4.255	33.285	0.080	0.028	20.650	5	0	0.028	33.29	11.660	14.771
Lead, Total	mg/L			<0.001	0.030	<0.001	<0.001	0.019	5	3	<0.001	0.030	0.010	0.014
Manganese, Total	mg/L		0.05	3.210	1.275	2.180	2.665	0.460	5	0	0.460	3.210	1.958	1.099
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	0.0002	5	4	<0.0001	0.0002	0.00043	0.00015
Mercury, Total A3112B	mg/L	0.002		<0.0001	<0.0001	<0.0001	0.0001	NM	5	4	<0.0001	0.0001	0.00006	0.00003
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	0.030	0.015	5	3	<0.1	0.030	0.039	0.016
Nickel, Total	mg/L			<0.05	0.063	<0.05	<0.05	<0.05	5	4	<0.05	0.063	0.033	0.017
Selenium, Total	mg/L	0.05		0.003	0.013	0.003	0.004	0.014	5	0	0.003	0.014	0.007	0.005
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	5	5	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			8.550	8.900	10.800	10.600	7.550	5	0	7.550	10.800	9.280	1.390
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	5	5	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		0.0445	0.064	0.044	0.038	0.016	5	0	0.016	0.064	0.041	0.017
Zinc, Total	mg/L		5	<0.01	0.155	0.008	<0.01	0.075	5	2	<0.01	0.155	0.050	0.066

POWERTECH (USA) INC.

Dewey-Burdock Project				Alluvial Water Quality					Summary Statistics on Hydro ID Means					
Hydro ID				675	676	677	678	679						
Analyte	Units	Federal MCL	Secondary Standard	Mean*	Mean*	Mean*	Mean*	Mean*	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Radionuclides, Dissolved														
Gross Alpha, Dissolved	pCi/L	15		30.4	54.025	62.95	34.575	18.5	5	0	18.5	62.95	40.09	18.08
Gross Beta, Dissolved	pCi/L			13.2	16	-7.5	18.05	11.25	5	0	-7.5	18.05	10.2	10.23
Gross Gamma, Dissolved	pCi/L			280	527.5	527.5	552.5	696.5	5	0	280	696.5	516.8	149.89
Lead 210, Dissolved	pCi/L			1.75	1.05	0.925	1.65	3.65	5	0	0.925	3.65	1.805	1.09
Polonium 210, Dissolved	pCi/L			0.925	1.425	0.9	1.175	0.95	5	0	0.9	1.425	1.075	0.22
Radium 226, Dissolved	pCi/L	5		0.225	0.125	0.3	0.125	1.2	5	0	0.125	1.2	0.395	0.46
Thorium 230, Dissolved	pCi/L			0.075	0.075	0.075	0.175	0.075	5	0	0.075	0.175	0.095	0.04
Radionuclides, Suspended														
Lead 210, Suspended	pCi/L			-1.05	-0.475	-0.2	0	-2.075	5	0	-2.075	0	-0.76	0.83
Polonium 210, Suspended	pCi/L			0.825	0.825	0.825	0.575	0.3	5	0	0.3	0.825	0.67	0.23
Radium 226, Suspended	pCi/L	5		1.2	3.87	0.8	0.4	3.05	5	0	0.4	3.87	1.86	1.51
Thorium 230, Suspended	pCi/L			0.375	1.1	0.675	0.1	1	5	0	0.1	1.1	0.65	0.42
Radionuclides, Total														
Lead 210, Total	pCi/L			14	<1	<1	<1	<1	5	4	<1	14	3.2	6.04
Polonium 210, Total	pCi/L			<1	<1	<1	<1	<1	5	5	<1	<1	<1	<1
Radium 226, Total	pCi/L	5		2.3	<0.2	<0.2	<0.2	2.5	5	3	<0.2	2.5	1.02	1.26
Radon 222, Total	pCi/L			818.33	631.33	983.33	521.67	1413.00	5	0	521.67	1413.00	873.53	349.50
Thorium 230, Total	pCi/L			<0.2	<0.2	<0.2	<0.2	1.9	5	4	<0.2	1.9	0.46	0.80
Data Quality Parameters														
A/C Balance (± 5)	%			0.8725	-1.008975	-0.285	0.40225	1.255	5	0	-1.01	1.255	0.25	0.91
Anions	meq/l			82.875	40	143.5	84.175	33.425	5	0	33.425	143.5	76.795	44.09
Cations	meq/l			84.425	136.025	143	84.925	34.35	5	0	34.35	143	96.545	44.35
Solids, Total Dissolved Calculated	mg/L			5372.5	2570	8990	5350	2197.5	5	0	2197.5	8990	4896	2733.41
TDS Balance (0.80 - 1.20)	dec. %			1.1075	1.0725	1.0375	1.105	1.1525	5	0	1.0375	1.1525	1.095	0.04

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Project				Fall River Water Quality								
Hydro ID				5	7	8	18	628	631	681	688	694
Analyte	Units	Federal MCL	Secondary Standard	Mean*	Mean*	Mean*	Mean*	Mean*	Mean*	Mean*	Mean*	Mean*
Field Parameters												
Field Conductivity	umhos/cm			2622.5	1405.50	1266.50	1356.00	1480.50	2076.50	1338.67	1223.31	1432.00
Field Dissolved Oxygen	mg/L			1.995	4.22	5.42	1.31	0.07	2.23	0.24	2.12	0.24
Field pH	s.u.		6.5-8.5	7.8325	7.96	7.89	8.15	8.25	7.38	7.70	8.44	8.15
Field Temperature	Deg C			11.24	11.10	11.95	11.97	14.89	11.55	14.54	11.96	11.82
Field Turbidity	NTUs			1	0.43	0.10	0.73	1.80	0.23	1.67	5.23	2.18
Water Level Elevation	ft AMSL			NM	NM	3574.61	NM	3695.63	3715.24	3645.08	3663.2618	3639.08
Physical Properties												
Conductivity @ 25 C	umhos/cm			2870	1542.00	1457.50	1428.00	1860.00	2325.00	1323.33	1200.77	1388.33
Non-polar Materials (SGT-HEM)	mg/L			NM	<5	NM	<5	NM	NM	NM	NM	NM
Oxidation-Reduction Potential	mV			193.13	200.00	193.33	136.67	128.67	136.67	198.67	219.23	183.25
pH, Laboratory	s.u.		6.5-8.5	7.8675	8.11	7.95	8.09	8.24	7.53	7.94	8.45	8.25
Sodium Adsorption Ratio (SAR)	unitless			9.63	9.90	6.17	10.33	8.93	1.13	5.73	6.01	11.42
Solids, Total Dissolved TDS @ 180 C	mg/L		500	2250	990.00	975.00	960.00	1250.00	1975.00	908.00	773.85	910.00
Major Ions												
Alkalinity, Total as CaCO3	mg/L			120	171.20	169.00	180.00	154.00	162.50	173.07	144.77	180.17
Bicarbonate as HCO3	mg/L			146.25	209.20	206.00	219.40	184.25	198.25	211.00	162.77	218.75
Calcium, Dissolved	mg/L			124.5	35.60	54.10	34.16	39.33	318.50	62.90	46.42	30.10
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	<5	<5	7.85	<5
Chloride	mg/L		250	23.25	11.80	12.00	13.20	47.00	9.50	15.20	11.31	12.67
Fluoride	mg/L	4	2	0.35	0.35	0.43	0.42	0.45	0.33	0.47	0.52	0.38
Magnesium, Dissolved	mg/L			49.925	15.00	23.68	12.10	16.60	91.20	24.14	19.88	10.51
Nitrogen, Ammonia as N	mg/L			0.375	0.34	0.19	0.18	0.30	<0.1	<0.1	0.25	0.39
Nitrogen, Nitrate as N	mg/L	10		<0.1	0.06	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			7.9	10.78	14.58	7.08	8.70	15.90	10.01	13.03	9.57
Silica	mg/L			8.125	6.73	6.10	6.70	5.18	6.35	6.37	11.18	6.25
Silicon as SiO2	mg/L			NM	7	NM	7	NM	NM	NM	NM	NM
Sodium, Dissolved	mg/L			502.5	274.40	221.25	275.80	320.25	92.35	210.93	191.85	283.42
Sulfate, Total	mg/L		250	1442.5	559.20	525.75	511.40	707.75	1240.00	483.40	425.38	484.92
Metals, Dissolved												
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.001	<0.01	0.001	0.002	0.001	0.001	0.002	0.001	0.001
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			0.425	<0.1	0.06	<0.1	0.21	0.14	0.05	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.01	<0.01	<0.005	<0.01	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	0.04	0.45	<0.03	0.03	0.04
Lead, Dissolved	mg/L			0.001125	<0.01	<0.05	<0.05	<0.001	<0.05	0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.0625	0.03	0.09	0.06	0.10	0.30	0.09	0.04	0.06
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	0.03	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		0.000625	<0.005	0.000875	<0.005	0.000875	0.001375	<0.005	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.01	<0.01	<0.005	<0.01	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.00195	<0.001	0.0002	0.01	0.003	0.003	0.01	<0.0003	<0.0003
Vanadium, Dissolved	mg/L			<0.1	<0.1	0.06	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	0.00875	<0.01	0.0125	<0.01	0.01	<0.01	0.01	<0.01	<0.01
Metals, Dissolved, Speciated												
Selenium-IV, Dissolved	mg/L			0.0007	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	0.0007	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Metals, Suspended												
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0003	<0.0003	0.0005	<0.0003	<0.0003	0.0002	0.001	<0.0009
Metals, Total												
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.00075	0.00175	0.00175	0.00250	0.00250	0.00125	0.00379	0.00362	0.00121
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.003
Boron, Total	mg/L			0.45	<0.1	<0.1	<0.1	0.08	0.15	<0.2	<0.2	<0.2
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	1.095	0.41	0.22	1.08	0.68	1.02	0.05	0.21	0.16
Lead, Total	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002	0.001	<0.001
Manganese, Total	mg/L		0.05	0.055	0.03	0.09	0.06	0.09	0.30	0.08	0.05	0.06
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Mercury, Total A3112B	mg/L	0.002		<0.0001	NM	NM	NM	NM	NM	<0.0001	<0.0001	NM
Molybdenum, Total	mg/L			0.03	<0.1	<0.1	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		0.00075	<0.001	<0.001	<0.001	<0.001	0.001	0.001	0.001	<0.002
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			4.4	1.05	1.60	0.65	0.90	6.20	1.19	1.25	0.78
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		0.002	<0.0003	<0.0003	0.01	0.003	0.003	0.01	0.0002	<0.0003

POWERTECH (USA) INC.

Dewey-Burdock Project				Fall River Water Quality								
Hydro ID				5	7	8	18	628	631	681	688	694
Analyte	Units	Federal MCL	Secondary Standard	Mean*	Mean*	Mean*	Mean*	Mean*	Mean*	Mean*	Mean*	Mean*
Zinc, Total	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.01	0.01	0.01
Radionuclides, Dissolved												
Actinium 228, Dissolved	pCi/L			NM	<20	NM	<20	NM	NM	NM	NM	NM
Americium 241, Dissolved	pCi/L			NM	<20	NM	<20	NM	NM	NM	NM	NM
Barium 133, Dissolved	pCi/L			NM	<20	NM	<20	NM	NM	NM	NM	NM
Bismuth 212, Dissolved	pCi/L			NM	<20	NM	<20	NM	NM	NM	NM	NM
Bismuth 214, Dissolved	pCi/L			NM	300	NM	<20	NM	NM	NM	NM	NM
Cesium 134, Dissolved	pCi/L			NM	<20	NM	<20	NM	NM	NM	NM	NM
Cesium 137, Dissolved	pCi/L			NM	<20	NM	<20	NM	NM	NM	NM	NM
Cobalt 60, Dissolved	pCi/L			NM	<20	NM	<20	NM	NM	NM	NM	NM
Gross Alpha, Dissolved	pCi/L	15		8.725	9.48	5.58	26.16	54.33	80.05	1502.40	13.48	9.48
Gross Beta, Dissolved	pCi/L			3.15	11.12	19.53	10.12	22.88	32.15	437.33	14.28	6.84
Gross Gamma, Dissolved	pCi/L			512.75	283.40	407.50	216.00	452.50	765.00	4994.00	407.69	406.67
Iodine 125, Dissolved	pCi/L			NM	<20	NM	<20	NM	NM	NM	NM	NM
Iodine 131, Dissolved	pCi/L			NM	<20	NM	<20	NM	NM	NM	NM	NM
Lead 210, Dissolved	pCi/L			0.675	6.38	2.08	1.15	3.78	1.90	29.67	-0.22	-1.87
Lead 212, Dissolved	pCi/L			NM	<20	NM	<20	NM	NM	NM	NM	NM
Lead 214, Dissolved	pCi/L			NM	350.00	NM	<20	NM	NM	NM	NM	NM
Manganese 54, Dissolved	pCi/L			NM	<20	NM	<20	NM	NM	NM	NM	NM
Polonium 210, Dissolved	pCi/L			1	0.78	0.60	0.80	1.00	1.18	2.36	0.36	0.11
Potassium 40, Dissolved	pCi/L			NM	<20	NM	<20	NM	NM	NM	NM	NM
Radium 223, Dissolved	pCi/L			NM	<20	NM	<20	NM	NM	NM	NM	NM
Radium 224, Dissolved	pCi/L			NM	<20	NM	<20	NM	NM	NM	NM	NM
Radium 226, Dissolved	pCi/L	5		1.25	1.18	1.38	2.98	10.80	15.98	379.80	2.38	1.21
Radium 226, Dissolved E901.1	pCi/L	5		NM	300.00	NM	<20	NM	NM	NM	NM	NM
Radium 228, Dissolved	pCi/L			NM	<1	NM	2.30	NM	NM	NM	NM	NM
Radium 228, Dissolved E901.1	pCi/L			NM	<20	NM	<20	NM	NM	NM	NM	NM
Thallium 208, Dissolved	pCi/L			NM	<20	NM	<20	NM	NM	NM	NM	NM
Thorium 228, Dissolved	pCi/L			NM	<20	NM	<20	NM	NM	NM	NM	NM
Thorium 230, Dissolved	pCi/L			0.125	0.08	0.10	0.10	0.08	0.10	0.07	0.01	0.05
Thorium 234, Dissolved	pCi/L			NM	<20	NM	<20	NM	NM	NM	NM	NM
Uranium 238, Dissolved	pCi/L			NM	<20	NM	<20	NM	NM	NM	NM	NM
Zinc 65, Dissolved	pCi/L			NM	<20	NM	<20	NM	NM	NM	NM	NM
Radionuclides, Suspended												
Lead 210, Suspended	pCi/L			-0.875	-1.48	1.95	7.78	0.68	1.78	11.76	-1.15	-0.11
Polonium 210, Suspended	pCi/L			0.375	0.35	0.35	2.18	1.88	0.40	2.04	0.15	0.13
Radium 226, Suspended	pCi/L	5		0.45	0.09	1.50	1.58	0.45	0.64	1.77	-0.02	-0.18
Thorium 230, Suspended	pCi/L			0.1	0.15	0.08	0.10	0.15	0.20	0.09	1.29	-0.02
Radionuclides, Total												
Lead 210, Total	pCi/L			<1	<1	<1	<1	<1	<1	NM	NM	NM
Polonium 210, Total	pCi/L			<1	<1	<1	6.00	6.40	<1	NM	NM	NM
Radium 226, Total	pCi/L	5		2.4	<0.2	3.50	4.00	6.80	15.20	NM	NM	NM
Radon 222, Total	pCi/L			926	299.67	322.00	1034.25	4046.67	4190.00	278029.73	404.47	276.83
Thorium 230, Total	pCi/L			<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	NM	NM	NM
Data Quality Parameters												
A/C Balance (± 5)	%			0.32475	0.75	1.17	0.91	-0.10	-1.78	2.57	2.33	3.07
Anions	meq/l			32.125	15.00	14.30	14.78	17.68	28.75	13.84	12.08	14.07
Cations	meq/l			32.4	15.25	14.65	15.08	17.50	27.88	14.57	12.66	14.98
Solids, Total Dissolved Calculated	mg/L			2177.5	999.00	938.25	983.00	1168.25	1845.00	919.73	826.00	956.58
TDS Balance (0.80 - 1.20)	dec. %			1.045	1.01	1.06	0.98	1.08	1.07	0.99	0.94	0.95

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Project				Fall River Water Quality			Summary Statistics on Hydro ID Means					
Hydro ID				695	698	706						
Analyte	Units	Federal MCL	Secondary Standard	Mean*	Mean*	Mean*	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters												
Field Conductivity	umhos/cm			1392.73	2430.50	1589.17	12	0	1223.31	2622.50	1634.49	472.17
Field Dissolved Oxygen	mg/L			0.18	0.24	NM	11	0	0.07	5.42	1.66	1.79
Field pH	s.u.		6.5-8.5	7.80	6.73	7.44	12	0	6.73	8.44	7.81	0.46
Field Temperature	Deg C			12.16	11.71	13.40	12	0	11.10	14.89	12.36	1.24
Field Turbidity	NTUs			2.12	13.14	NM	11	0	0.10	13.14	2.60	3.78
Water Level Elevation	ft AMSL			3631.82	3679.84	3725.07	9	0	3574.61	3725.07	3663.29	46.92
Physical Properties												
Conductivity @ 25 C	umhos/cm			1382.5	2427.50	1512.50	12	0	1200.77	2870.00	1726.45	529.83
Non-polar Materials (SGT-HEM)	mg/L			NM	NM	NM	2	2	<5	<5	<5	<5
Oxidation-Reduction Potential	mV			208.33333	139.23	257.50	12	0	128.67	257.50	182.89	39.78
pH, Laboratory	s.u.		6.5-8.5	8.0108333	7.10	7.49	12	0	7.10	8.45	7.92	0.38
Sodium Adsorption Ratio (SAR)	unitless			7.55	0.98	2.27	12	0	0.98	11.42	6.67	3.63
Solids, Total Dissolved TDS @ 180 C	mg/L		500	925	2183.33	1200.00	12	0	773.85	2250.00	1275.01	538.01
Major Ions												
Alkalinity, Total as CaCO3	mg/L			174.33333	117.17	196.67	12	0	117.17	196.67	161.91	24.12
Bicarbonate as HCO3	mg/L			212.58333	142.92	239.67	12	0	142.92	239.67	195.92	30.58
Calcium, Dissolved	mg/L			50.383333	368.00	167.17	12	0	30.10	368.00	110.93	116.43
Carbonate as CO3	mg/L			<5	<5	<5	12	11	<5	7.85	2.95	1.54
Chloride	mg/L		250	12.083333	9.75	9.66	12	0	9.50	47.00	15.62	10.55
Fluoride	mg/L	4	2	0.45	0.33	0.51	12	0	0.33	0.52	0.41	0.07
Magnesium, Dissolved	mg/L			18.283333	133.75	47.63	12	0	10.51	133.75	38.56	37.85
Nitrogen, Ammonia as N	mg/L			0.1833333	0.16	0.05	12	2	<0.1	0.39	0.21	0.12
Nitrogen, Nitrate as N	mg/L	10		0.0508333	0.05	0.06	12	8	<0.1	0.06	0.05	0.004
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			9.025	15.98	11.85	12	0	7.08	15.98	11.20	3.06
Silica	mg/L			5.6875	8.12	8.33	12	0	5.18	11.18	7.09	1.63
Silicon as SiO2	mg/L			NM	NM	NM	2	0	7.00	7.00	7.00	0.00
Sodium, Dissolved	mg/L			246	86.60	129.42	12	0	86.60	502.50	236.23	113.07
Sulfate, Total	mg/L		250	491.83333	1370.00	676.83	12	0	425.38	1442.50	743.25	377.51
Metals, Dissolved												
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.000625	<0.001	0.001	12	3	<0.001	0.002	0.001	0.001
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	0.07	0.05	12	5	<0.1	0.425	0.10	0.11
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	12	12	<0.005	<0.01	<0.01	<0.01
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	0.0195833	2.58	<0.03	12	6	<0.03	2.58	0.27	0.74
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	12	10	<0.001	0.001125	0.01	0.01
Manganese, Dissolved	mg/L		0.05	0.0791667	2.41	0.54	12	0	0.03	2.41	0.32	0.67
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	12	11	<0.05	0.03	0.03	0.0003
Selenium, Dissolved	mg/L	0.05		<0.001	0.000542	0.000625	12	6	<0.001	0.001375	0.0012	0.0008
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	12	12	<0.005	<0.01	<0.01	<0.01
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0028333	0.11	0.01	12	3	<0.0003	0.11	0.012	0.03
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	12	11	<0.1	0.06	0.05	0.004
Zinc, Dissolved	mg/L		5	0.00625	0.01	0.01	12	5	<0.01	0.0125	0.01	0.002
Metals, Dissolved, Speciated												
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	12	11	<0.001	0.0007	0.0005	0.00006
Selenium-VI, Dissolved	mg/L			<0.001	0.001	0.001	12	9	<0.001	0.0007	0.0005	0.0001
Metals, Suspended												
Uranium, Suspended	mg/L	0.03		<0.0009	0.0031	0.0002	12	7	<0.0003	0.0031	0.0006	0.0009
Metals, Total												
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	12	12	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.00125	0.00254	0.00175	12	0	0.00075	0.00379	0.00205	0.00096
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.005	<0.003	<0.001	12	12	<0.001	<0.005	<0.005	<0.005
Boron, Total	mg/L			0.0583333	0.06	0.05	12	6	<0.1	0.45	0.11	0.11
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.1536364	4.76	0.04	12	0	0.04167	4.76417	0.82336	1.30501
Lead, Total	mg/L			<0.001	0.00	<0.001	12	9	<0.001	0.002	0.001	0.0004
Manganese, Total	mg/L		0.05	0.0808333	2.49	0.56	12	0	0.03000	2.48500	0.32747	0.69603
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Mercury, Total A3112B	mg/L	0.002		NM	NM	NM	3	3	<0.0001	<0.0001	<0.0001	<0.0001
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	12	11	<0.01	0.03	0.04	0.01
Nickel, Total	mg/L			<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		0.0008333	0.001	0.001	12	5	<0.001	0.001	0.001	0.0003
Silver, Total	mg/L		0.1	<0.005	<0.02	<0.005	12	12	<0.005	<0.02	<0.02	<0.02
Strontium, Total	mg/L			0.9416667	4.83	2.32	12	0	0.65	6.20	2.18	1.89
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		0.002875	0.11	0.01	12	3	<0.0003	0.11	0.01	0.03

POWERTECH (USA) INC.

Dewey-Burdock Project				Fall River Water Quality			Summary Statistics on Hydro ID Means					
Hydro ID				695	698	706						
Analyte	Units	Federal MCL	Secondary Standard	Mean*	Mean*	Mean*	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	0.0058333	0.01	<0.01	12	6	<0.01	0.01	0.01	0.002
Radionuclides, Dissolved												
Actinium 228, Dissolved	pCi/L			NM	NM	NM	2	2	<20	<20	<20	<20
Americium 241, Dissolved	pCi/L			NM	NM	NM	2	2	<20	<20	<20	<20
Barium 133, Dissolved	pCi/L			NM	NM	NM	2	2	<20	<20	<20	<20
Bismuth 212, Dissolved	pCi/L			NM	NM	NM	2	2	<20	<20	<20	<20
Bismuth 214, Dissolved	pCi/L			NM	NM	NM	2	1	<20	300	155	205
Cesium 134, Dissolved	pCi/L			NM	NM	NM	2	2	<20	<20	<20	<20
Cesium 137, Dissolved	pCi/L			NM	NM	NM	2	2	<20	<20	<20	<20
Cobalt 60, Dissolved	pCi/L			NM	NM	NM	2	2	<20	<20	<20	<20
Gross Alpha, Dissolved	pCi/L	15		28.408333	1504.69	29.60	12	0	5.58	1504.69	272.70	575.34
Gross Beta, Dissolved	pCi/L			9.85	483.65	23.88	12	0	3.15	483.65	89.56	173.73
Gross Gamma, Dissolved	pCi/L			403.33333	1218.33	600.93	12	0	216.00	4994.00	889.01	1319.15
Iodine 125, Dissolved	pCi/L			NM	NM	NM	2	2	<20	<20	<20	<20
Iodine 131, Dissolved	pCi/L			NM	NM	NM	2	2	<20	<20	<20	<20
Lead 210, Dissolved	pCi/L			-0.516667	0.48	0.14	12	0	-1.87	29.67	3.64	8.48
Lead 212, Dissolved	pCi/L			NM	NM	NM	2	2	<20	<20	<20	<20
Lead 214, Dissolved	pCi/L			NM	NM	NM	2	1	<20	350.00	180.00	240.42
Manganese 54, Dissolved	pCi/L			NM	NM	NM	2	2	<20	<20	<20	<20
Polonium 210, Dissolved	pCi/L			0.2009167	0.62	0.02	12	0	0.02	2.36	0.75	0.63
Potassium 40, Dissolved	pCi/L			NM	NM	NM	2	2	<20	<20	<20	<20
Radium 223, Dissolved	pCi/L			NM	NM	NM	2	2	<20	<20	<20	<20
Radium 224, Dissolved	pCi/L			NM	NM	NM	2	2	<20	<20	<20	<20
Radium 226, Dissolved	pCi/L	5		4.7916667	388.17	2.58	12	0	1.18	388.17	67.71	147.81
Radium 226, Dissolved E901.1	pCi/L	5		NM	NM	NM	2	1	<20	300.00	155.00	205.06
Radium 228, Dissolved	pCi/L			NM	NM	NM	2	1	<1	2.30	1.40	1.27
Radium 228, Dissolved E901.1	pCi/L			NM	NM	NM	2	2	<20	<20	<20	<20
Thallium 208, Dissolved	pCi/L			NM	NM	NM	2	2	<20	<20	<20	<20
Thorium 228, Dissolved	pCi/L			NM	NM	NM	2	2	<20	<20	<20	<20
Thorium 230, Dissolved	pCi/L			0.0316667	0.04	0.07	12	0	0.01	0.13	0.07	0.03
Thorium 234, Dissolved	pCi/L			NM	NM	NM	2	2	<20	<20	<20	<20
Uranium 238, Dissolved	pCi/L			NM	NM	NM	2	2	<20	<20	<20	<20
Zinc 65, Dissolved	pCi/L			NM	NM	NM	2	2	<20	<20	<20	<20
Radionuclides, Suspended												
Lead 210, Suspended	pCi/L			0.35	2.38	0.42	12	0	-1.48	11.76	1.96	3.94
Polonium 210, Suspended	pCi/L			0.1448333	1.00	0.03	12	0	0.03	2.18	0.75	0.81
Radium 226, Suspended	pCi/L	5		-0.13875	7.91	0.04	12	0	-0.18	7.91	1.17	2.23
Thorium 230, Suspended	pCi/L			0.06	0.58	-0.07	12	0	-0.07	1.29	0.23	0.37
Radionuclides, Total												
Lead 210, Total	pCi/L			NM	NM	NM	6	6	<1	<1	<1	<1
Polonium 210, Total	pCi/L			NM	NM	NM	6	4	<1	6.40	2.40	2.95
Radium 226, Total	pCi/L	5		NM	NM	NM	6	1	<0.2	15.20	5.33	5.30
Radon 222, Total	pCi/L			1789.1667	33633.33	336.58	12	0	276.83	278029.73	27107.39	79574.79
Thorium 230, Total	pCi/L			NM	NM	NM	6	6	<0.2	<0.2	<0.2	<0.2
Data Quality Parameters												
A/C Balance (± 5)	%			3.0391667	4.21	-0.26	12	0	-1.78	4.21	1.35	1.72
Anions	meq/l			14.091667	31.13	18.33	12	0	12.08	32.13	18.85	7.36
Cations	meq/l			14.958333	33.83	18.23	12	0	12.66	33.83	19.33	7.51
Solids, Total Dissolved Calculated	mg/L			947.83333	2075.83	1216.67	12	0	826.00	2177.50	1254.47	486.32
TDS Balance (0.80 - 1.20)	dec. %			0.9758333	1.05	1.01	12	0	0.94	1.08	1.01	0.05

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Project				Chilson Water Quality									
Hydro ID				2	13	16	42	615	619	622	650	680	689
Analyte	Units	Federal MCL	Secondary Standard	Mean*	Mean*	Mean*	Mean*	Mean*	Mean *	Mean*	Mean*	Mean*	Mean*
Field Parameters													
Field Conductivity	umhos/cm			1436.25	1128	958	1331.75	1069	1905.5	1326	1656.25	2580.21	1098.54
Field Dissolved Oxygen	mg/L			1.87	1.515	0.25	3.285	0.27	1.14	0.136	1.885	0.265	0.142
Field pH	s.u.		6.5-8.5	7.96	7.9525	7.41	8	7.10	7.1475	7.64	7.5375	6.91857143	7.7023077
Field Temperature	Deg C			12.586667	9.85	11.95	9.3825	14.81	11.3966667	14.11	12.0075	12.7421429	15.386154
Field Turbidity	NTUs			0.6666667	2.6	0.5	0.4	2.34	11.0666667	19.83	29.3	1.9125	22.916667
Water Level Elevation	ft AMSL			NM	NM	NM	NM	3690.07	3679.16	3709.02	3682.155	3661.27364	3685.339
Physical Properties													
Conductivity @ 25 C	umhos/cm			1580	1292	1063	1408	1054.92	2175	1297.5	1817.5	2621.42857	1072.4615
Non-polar Materials (SGT-HEM)	mg/L			NM	<5	<5	<5	NM	NM	NM	NM	NM	NM
Oxidation-Reduction Potential	mV			173	230	223.3333	203.333333	229.17	31.6	219.167	170	195.714286	218.46154
pH, Laboratory	s.u.		6.5-8.5	7.9025	7.904	7.46	8.022	7.48	7.2825	7.769	7.24	7.34285714	7.93
Sodium Adsorption Ratio (SAR)	unitless			8.6	4.8	0.943333	10.2333333	3.49	1.1	4.708	2.1	1.56428571	5.4461538
Solids, Total Dissolved TDS @ 180 C	mg/L		500	1100	878	814	950	708.33	2025	900	1575	2292.85714	720.76923
Major Ions													
Alkalinity, Total as CaCO3	mg/L			210.5	159.2	152.8	178	138	117.5	175.5	71	249.285714	150
Bicarbonate as HCO3	mg/L			256.75	192.6	187.2	217	168	143	213.92	86.75	303.857143	182.76923
Calcium, Dissolved	mg/L			53	62.02	117.8	34.74	73.29	321.25	81.825	166.5	385.5	46.915385
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
Chloride	mg/L		250	10.25	10.6	5.04	12.4	5	10	10.25	17	12.9285714	5.2307692
Fluoride	mg/L	4	2	0.25	0.446	0.414	0.398	0.53	0.25	0.43	0.075	0.34285714	0.5384615
Magnesium, Dissolved	mg/L			17.25	24	45.78	11.8	21.86	114.1	29.12	79.525	124.142857	15.961538
Nitrogen, Ammonia as N	mg/L			0.2875	0.2	0.12	0.12	<0.1	0.225	0.05	0.5	0.06071429	<0.1
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	0.08	0.08	0.05	<0.1	0.0525	<0.1	0.05178571	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			11.35	11.06	16.08	7.18	9.11	16.8	10.96	16.45	19.3714286	8.1153846
Silica	mg/L			7.275	6	6.175	6.45	6.8	6.375	5.725	1.2375	7	7.0769231
Silicon as SiO2	mg/L			NM	7	7	7	NM	NM	NM	NM	NM	NM
Sodium, Dissolved	mg/L			283	175.8	47.42	265.6	133	86.6	177.92	122.25	137.5	176.15385
Sulfate, Total	mg/L		250	594.5	481.8	449.6	493.6	396	1290	491.75	986.5	1351.42857	388.76923
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1875	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.000625	<0.01	0.0016	0.0015	0.0155	0.000625	0.0006	0.000875	0.0045	0.0016154
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			0.0625	<0.1	0.064	0.06	<0.1	<0.1	<0.1	0.075	0.13214286	0.0538462
Cadmium, Dissolved	mg/L	0.005		<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	0.025	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	0.38	3.1475	0.02375	3.51	0.16571429	<0.03
Lead, Dissolved	mg/L			<0.05	<0.01	<0.01	<0.01	<0.001	0.00275	0.0006	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.0825	0.154	0.125	0.078	0.07	1.505	0.18	1.3	0.44928571	0.0392308
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	0.024	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.005	<0.005	0.001	<0.001	<0.005	<0.001	0.001375	0.0009	<0.001
Silver, Dissolved	mg/L		0.1	<0.01	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		<0.0003	<0.001	0.00113	0.0242	0.0025	0.00165	0.00425	0.0006	0.03441429	0.0035
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	0.013	0.034	0.017	<0.01	0.06	0.01	0.00875	0.00714286	<0.01
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	0.00066667	<0.001	<0.001	<0.001	<0.001	0.00060714	<0.001
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		0.0001875	<0.0003	<0.0003	0.0008375	0.0004	<0.0003	0.0003	0.00125	0.00025714	0.0002962
Metals, Total													
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	0.002	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.0025	0.00075	0.0025	0.003	0.023	0.002	0.005	0.0015	0.00407692	0.0026154
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.067	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001	<0.003	<0.003
Boron, Total	mg/L			<0.1	<0.1	<0.1	<0.1	0.075	<0.1	0.058	0.1	0.09615385	0.0538462
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	0.0075	<0.01	0.0425	<0.01	<0.01
Iron, Total	mg/L		0.3	1.51	3.835	0.255	0.155	1.3625	12.45	3.823	8.29	0.30538462	0.9784615
Lead, Total	mg/L			<0.001	<0.001	<0.003	<0.001	0.002	0.0035	0.008375	0.026	<0.001	0.0021923
Manganese, Total	mg/L		0.05	0.09	0.18	0.135	0.08	0.069	1.735	0.1925	0.61	0.45923077	0.0630769
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Mercury, Total A3112B	mg/L	0.002		NM	NM	NM	NM	NM	NM	NM	NM	<0.0001	<0.0001
Molybdenum, Total	mg/L			<0.1	<0.01	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.001	0.00125	<0.001	0.00075	<0.001	0.000875	<0.001	<0.005	0.0008462
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.02	<0.02
Strontium, Total	mg/L			1.75	1.6	2.7	0.7	1.375	5.3	1.421	2.35	7.44615385	0.9384615
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0006154
Uranium, Total	mg/L	0.03		0.0002333	<0.0003	0.000425	0.01735	0.0024	0.0018	0.005	0.000275	0.02434615	0.0048462

POWERTECH (USA) INC.

Dewey-Burdock Project				Chilson Water Quality									
Hydro ID				2	13	16	42	615	619	622	650	680	689
Analyte	Units	Federal MCL	Secondary Standard	Mean*	Mean*	Mean*	Mean*	Mean*	Mean *	Mean*	Mean*	Mean*	Mean*
Zinc, Total	mg/L		5	<0.01	0.055	0.0175	0.025	0.0067	0.13	0.063	0.045	0.00961538	0.0130769
Radionuclides, Dissolved													
Actinium 228, Dissolved	pCi/L			NM	<20	<20	<20	NM	NM	NM	NM	NM	NM
Americium 241, Dissolved	pCi/L			NM	<20	<20	<20	NM	NM	NM	NM	NM	NM
Barium 133, Dissolved	pCi/L			NM	<20	<20	<20	NM	NM	NM	NM	NM	NM
Bismuth 212, Dissolved	pCi/L			NM	<20	<20	<20	NM	NM	NM	NM	NM	NM
Bismuth 214, Dissolved	pCi/L			NM	<20	770	1600	NM	NM	NM	NM	NM	NM
Cesium 134, Dissolved	pCi/L			NM	<20	<20	<20	NM	NM	NM	NM	NM	NM
Cesium 137, Dissolved	pCi/L			NM	<20	<20	<20	NM	NM	NM	NM	NM	NM
Cobalt 60, Dissolved	pCi/L			NM	<20	<20	<20	NM	NM	NM	NM	NM	NM
Gross Alpha, Dissolved	pCi/L	15		6.25	10.42	59.78	478	19.45	386	148.742	5.925	4990.71429	39.007692
Gross Beta, Dissolved	pCi/L			13.525	12	34.72	131.5	9.7	151.5	70.258	16.075	1629.28571	14.546154
Gross Gamma, Dissolved	pCi/L			70	866	1054	15530	351.833	1153.75	112.5	827.5	3543.57143	398.92308
Iodine 125, Dissolved	pCi/L			NM	<20	<20	<20	NM	NM	NM	NM	NM	NM
Iodine 131, Dissolved	pCi/L			NM	<20	<20	<20	NM	NM	NM	NM	NM	NM
Lead 210, Dissolved	pCi/L			1.15	2.45	-5.575	13.575	0.692	4.725	-0.167	6.85	19.2928571	-2.038462
Lead 212, Dissolved	pCi/L			NM	<20	<20	<20	NM	NM	NM	NM	NM	NM
Lead 214, Dissolved	pCi/L			NM	<20	810	1800	NM	NM	NM	NM	NM	NM
Manganese 54, Dissolved	pCi/L			NM	<20	<20	<20	NM	NM	NM	NM	NM	NM
Polonium 210, Dissolved	pCi/L			1.175	0.9	0.3	2.025	0.259	0.7	0.227	0.3	0.79992857	0.2391538
Potassium 40, Dissolved	pCi/L			NM	<20	<20	<20	NM	NM	NM	NM	NM	NM
Radium 223, Dissolved	pCi/L			NM	<20	<20	<20	NM	NM	NM	NM	NM	NM
Radium 224, Dissolved	pCi/L			NM	<20	<20	<20	NM	NM	NM	NM	NM	NM
Radium 226, Dissolved	pCi/L	5		1.15	1.64	17.92	97.22	2.4	107.425	3.358	1.925	1289.28571	6.1307692
Radium 226, Dissolved E901.1	pCi/L	5		NM	<20	770	1600	NM	NM	NM	NM	NM	NM
Radium 228, Dissolved	pCi/L			NM	<1	<1	<1	NM	NM	NM	NM	NM	NM
Radium 228, Dissolved E901.1	pCi/L			NM	<20	<20	<20	NM	NM	NM	NM	NM	NM
Thallium 208, Dissolved	pCi/L			NM	<20	<20	<20	NM	NM	NM	NM	NM	NM
Thorium 228, Dissolved	pCi/L			NM	<20	<20	<20	NM	NM	NM	NM	NM	NM
Thorium 230, Dissolved	pCi/L			0.075	0.15	0.15	0.2	0.075	0.15	0.041	0.15	0.08507143	0.0460769
Thorium 234, Dissolved	pCi/L			NM	<20	<20	<20	NM	NM	NM	NM	NM	NM
Uranium 238, Dissolved	pCi/L			NM	<20	<20	<20	NM	NM	NM	NM	NM	NM
Zinc 65, Dissolved	pCi/L			NM	<20	<20	<20	NM	NM	NM	NM	NM	NM
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			0.725	0.325	0.325	22.125	2.133	3.5	0.675	4.8	4.15	-1.653846
Polonium 210, Suspended	pCi/L			0.375	1.55	0.45	4.1	0.104	0.375	0.942	0.6	1.69714286	0.1843077
Radium 226, Suspended	pCi/L	5		0.65	0.4525	0.325	1.25	-0.122	5.95	0.233	0.345	6.31428571	0.1638462
Thorium 230, Suspended	pCi/L			0.1	0.2	0.075	0.1	0.156	0.125	0.009	0.3	0.08071429	0.1307692
Radionuclides, Total													
Lead 210, Total	pCi/L			<1	<1	<1	57	NM	<1	NM	<1	NM	NM
Polonium 210, Total	pCi/L			<1	5.2	<1	13	NM	<1	NM	<1	NM	NM
Radium 226, Total	pCi/L	5		2.2	1.1	17.4	79.7	NM	120	NM	3.2	NM	NM
Radon 222, Total	pCi/L			731	327.5	17860	180750	1582.5	4780	1063.43	196.666667	105835.714	1900.7692
Thorium 230, Total	pCi/L			<0.2	<0.2	<0.2	<0.2	NM	<0.2	NM	<0.2	NM	NM
Data Quality Parameters													
A/C Balance (± 5)	%			-0.59175	-0.695	-0.4425	2.017	1.33	2.1475	1.24	-1.54	3.53571429	1.0869231
Anions	meq/l			16.9	13.2	11.7	14.025	11.17	28.425	14.06	21.35	33.5	11.284615
Cations	meq/l			16.7	13.05	11.6	14.625	11.47	29.85	14.53	20.875	35.9642857	11.530769
Solids, Total Dissolved Calculated	mg/L			1107.5	856	732.5	932.5	739	1867.5	923.33	1380	2198.57143	751.38462
TDS Balance (0.80 - 1.20)	dec. %			0.9675	1.0275	1.07	1.025	0.96	1.075	0.98	1.115	1.04285714	0.9592308

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Project				Chilson Water Quality					Summary Statistics on Hydro ID Means					
Hydro ID				696	697	705	3026	7002						
Analyte	Units	Federal MCL	Secondary Standard	Mean*	Mean*	Mean*	Mean*	Mean*	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters														
Field Conductivity	umhos/cm			1414.167	1262.92	1345.83	2749.917	2115.25	15	0	958.00	2749.92	1558.47	546.07
Field Dissolved Oxygen	mg/L			0.99	0.218	NM	1.215	1.16	14	0	0.14	3.29	1.02	0.91
Field pH	s.u.		6.5-8.5	7.565455	7.76	8.30667	7.228333	7.3925	15	0	6.92	8.31	7.58	0.39
Field Temperature	Deg C			12.9775	13.9167	14.1833	12.04667	11.6025	15	0	9.38	15.39	12.60	1.71
Field Turbidity	NTUs			5.633333	2.63333	NM	10.56667	1.6	14	0	0.40	29.30	8.00	9.50
Water Level Elevation	ft AMSL			3647.934	3682.12	3709.73	3681.97	NM	10	0	3647.93	3709.73	3682.88	18.75
Physical Properties														
Conductivity @ 25 C	umhos/cm			1370	1228.42	1333.33	2688.333	2327.5	15	0	1054.92	2688.33	1621.96	565.51
Non-polar Materials (SGT-HEM)	mg/L			NM	NM	NM	NM	NM	3	3	<5	<5	<5	<5
Oxidation-Reduction Potential	mV			234.1667	211.667	235.833	164.3	196.667	15	0	31.60	235.83	195.78	51.14
pH, Laboratory	s.u.		6.5-8.5	7.734167	7.98667	8.04917	7.095	7.3575	15	0	7.10	8.05	7.64	0.33
Sodium Adsorption Ratio (SAR)	unitless			3.858333	6.5	3.9	2.225	2.56667	15	0	0.94	10.23	4.13	2.70
Solids, Total Dissolved TDS @ 180 C	mg/L		500	982.5	830	940.833	2358.333	1875	15	0	708.33	2358.33	1263.38	591.04
Major Ions														
Alkalinity, Total as CaCO3	mg/L			201.3333	167	135.5	174.1667	261	15	0	71.00	261.00	169.39	48.47
Bicarbonate as HCO3	mg/L			245.4167	203.5	164.25	210.5833	318.25	15	0	86.75	318.25	206.27	59.13
Calcium, Dissolved	mg/L			97.675	51.9833	84.9417	380.1667	230	15	0	34.74	385.50	145.84	123.46
Carbonate as CO3	mg/L			<5	<5	<5	3.125	<5	15	14	<5	3.125	2.54	0.17
Chloride	mg/L		250	9.166667	8.25	7.51667	17.5	9.75	15	0	5.00	17.50	10.06	3.80
Fluoride	mg/L	4	2	0.325	0.55	0.36667	0.45	0.3	15	0	0.08	0.55	0.38	0.13
Magnesium, Dissolved	mg/L			36.4	17.3333	31.1333	113.5583	88.2	15	0	11.80	124.14	51.34	40.68
Nitrogen, Ammonia as N	mg/L			0.216667	0.16667	0.1875	0.616667	0.25	15	2	<0.1	0.62	0.24	0.17
Nitrogen, Nitrate as N	mg/L	10		<0.1	0.05208	<2	0.0575	<0.1	15	8	<0.1	0.08	0.12	0.24
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	0.15	<0.1	<0.1	15	14	<0.1	0.15	0.06	0.03
Potassium, Dissolved	mg/L			13.4	8.8	11.9667	21.65	21.2	15	0	7.18	21.65	13.57	4.75
Silica	mg/L			6.3875	6.60833	8.64167	5.0875	6.675	15	0	1.24	8.64	6.23	1.59
Silicon as SiO2	mg/L			NM	NM	NM	NM	NM	3	0	7.00	7.00	7.00	0.00
Sodium, Dissolved	mg/L			176.0833	211.833	163.667	188	175.75	15	0	47.42	283.00	168.00	60.29
Sulfate, Total	mg/L		250	513.25	451.333	530.667	1509.167	1075	15	0	388.77	1509.17	733.54	392.36
Metals, Dissolved														
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	15	14	<0.1	0.1875	0.06	0.04
Arsenic, Dissolved	mg/L	0.01		0.001417	0.00113	0.00063	0.005	0.00088	15	1	<0.01	0.0155	0.003	0.004
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	15	15	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	0.06667	0.154167	<0.1	15	7	<0.1	0.15	0.07	0.03
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	15	15	<0.005	<0.01	<0.01	<0.01
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	15	15	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	15	14	<0.01	0.025	0.01	0.01
Iron, Dissolved	mg/L		0.3	0.017917	0.03292	0.01625	6.2175	0.15125	15	5	<0.03	6.2175	0.92	1.86
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	15	13	<0.001	0.00275	0.003	0.004
Manganese, Dissolved	mg/L		0.05	0.1475	0.05417	0.03708	1.0275	0.3875	15	0	0.04	1.51	0.38	0.49
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	15	15	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	0.066667	<0.1	15	14	<0.001	0.0667	0.05	0.01
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	15	14	<0.05	0.024	0.03	0.0065
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	0.001	0.000958	0.001	15	9	<0.001	0.001375	0.001	0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	15	15	<0.005	<0.01	<0.01	<0.01
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	15	15	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.000558	<0.0003	0.0002	0.010475	0.0006	15	3	<0.0003	0.034	0.006	0.01
Vanadium, Dissolved	mg/L			0.054167	<0.1	<0.1	0.05417	<0.1	15	13	<0.1	0.05	0.05	0.013
Zinc, Dissolved	mg/L		5	<0.01	0.00542	0.00542	0.008333	<0.01	15	5	<0.01	0.06	0.01	0.02
Metals, Dissolved, Speciated														
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	0.000542	<0.001	15	14	<0.001	0.0005	0.0005	0.00001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	0.00063	0.000958	<0.001	15	11	<0.001	0.0010	0.0006	0.0001
Metals, Suspended														
Uranium, Suspended	mg/L	0.03		<0.0009	0.00026	0.00026	0.0014	<0.0003	15	5	<0.0003	0.0014	0.0004	0.0004
Metals, Total														
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	<0.003	15	14	<0.003	0.002	0.0015	0.00003
Arsenic, Total	mg/L	0.01		0.002583	0.00167	0.00171	0.018417	0.0025	15	0	0.001	0.02	0.005	0.01
Barium, Total	mg/L	2		<0.1	0.0625	<0.1	<0.1	<0.1	15	13	<0.1	0.067	0.05	0.01
Beryllium, Total	mg/L	0.004		<0.003	<0.003	<0.001	0.000542	<0.001	15	14	<0.001	0.0005	0.0041	0.0127
Boron, Total	mg/L			0.058333	<0.2	0.0625	0.166667	<0.1	15	7	<0.001	0.1667	0.07	0.03
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	15	15	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	15	15	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	0.005417	<0.01	15	12	<0.01	0.0425	0.008	0.01
Iron, Total	mg/L		0.3	0.160833	0.08	0.21042	15.3025	1.285	15	0	0.08	15.30	3.33	4.84
Lead, Total	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	15	10	<0.001	0.026	0.0032	0.0066
Manganese, Total	mg/L		0.05	0.160833	0.055	0.03958	1.079167	0.385	15	0	0.04	1.74	0.36	0.47
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	15	15	<0.001	<0.001	<0.001	<0.001
Mercury, Total A3112B	mg/L	0.002		NM	NM	NM	<0.0001	NM	3	3	<0.0001	<0.0001	<0.0001	<0.0001
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	0.075	<0.1	15	14	<0.01	0.075	0.05	0.01
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	15	15	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		0.000917	0.00113	0.00054	0.001917	<0.001	15	7	<0.001	0.0019	0.001	0.00
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	15	15	<0.005	<0.02	<0.02	<0.02
Strontium, Total	mg/L			2.766667	1.15	2.64167	6.35	7.15	15	0	0.70	7.45	3.04	2.33
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	15	14	<0.001	0.000615	0.00051	0.00003
Uranium, Total	mg/L	0.03		0.000558	0.00016	0.00016	0.011583	0.00055	15	1	<0.0003	0.02	0.0046	0.01

POWERTECH (USA) INC.

Dewey-Burdock Project				Chilson Water Quality					Summary Statistics on Hydro ID Means					
Hydro ID				696	697	705	3026	7002						
Analyte	Units	Federal MCL	Secondary Standard	Mean*	Mean*	Mean*	Mean*	Mean*	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	0.006667	0.00875	<0.01	0.009583	<0.01	15	3	<0.01	0.13	0.03	0.03
Radionuclides, Dissolved														
Actinium 228, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	3	<20	<20	<20	<20
Americium 241, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	3	<20	<20	<20	<20
Barium 133, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	3	<20	<20	<20	<20
Bismuth 212, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	3	<20	<20	<20	<20
Bismuth 214, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	1	<20	1600.00	793.33	795.26
Cesium 134, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	3	<20	<20	<20	<20
Cesium 137, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	3	<20	<20	<20	<20
Cobalt 60, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	3	<20	<20	<20	<20
Gross Alpha, Dissolved	pCi/L	15		13.25833	9.71667	3.55833	54	51.575	15	0	3.56	4990.71	418.43	1273.13
Gross Beta, Dissolved	pCi/L			11.41667	7.76667	11.575	22.675	33.4	15	0	7.77	1629.29	144.66	413.17
Gross Gamma, Dissolved	pCi/L			387.5	464.167	595.833	386.6667	792.5	15	0	70.00	15530.00	1768.98	3895.73
Iodine 125, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	3	<20	<20	<20	<20
Iodine 131, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	3	<20	<20	<20	<20
Lead 210, Dissolved	pCi/L			-0.96667	-2.7583	0.29417	-0.116667	3.35	15	0	-5.58	19.29	2.72	6.43
Lead 212, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	3	<20	<20	<20	<20
Lead 214, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	1	<20	1800.00	873.33	896.68
Manganese 54, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	3	<20	<20	<20	<20
Polonium 210, Dissolved	pCi/L			0.376167	0.06725	0.02367	0.149417	1.5	15	0	0.02	2.03	0.60	0.58
Potassium 40, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	3	<20	<20	<20	<20
Radium 223, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	3	<20	<20	<20	<20
Radium 224, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	3	<20	<20	<20	<20
Radium 226, Dissolved	pCi/L	5		2.016667	1.51667	1.7	5.6	8.35	15	0	1.15	1289.29	103.18	329.94
Radium 226, Dissolved E901.1	pCi/L	5		NM	NM	NM	NM	NM	3	1	<0	1600.00	1185.00	586.90
Radium 228, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	3	<1	<1	<1	<1
Radium 228, Dissolved E901.1	pCi/L			NM	NM	NM	NM	NM	3	3	<20	<20	<20	<20
Thallium 208, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	3	<20	<20	<20	<20
Thorium 228, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	3	<20	<20	<20	<20
Thorium 230, Dissolved	pCi/L			0.045833	0.0475	0.131	0.0475	0.1	15	0	0.04	0.20	0.10	0.05
Thorium 234, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	3	<20	<20	<20	<20
Uranium 238, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	3	<20	<20	<20	<20
Zinc 65, Dissolved	pCi/L			NM	NM	NM	NM	NM	3	3	<20	<20	<20	<20
Radionuclides, Suspended														
Lead 210, Suspended	pCi/L			-0.59167	-0.5167	0.4925	-1.325	1.95	15	0	-1.65	22.13	2.47	5.76
Polonium 210, Suspended	pCi/L			0.158	0.21618	0.02091	0.197917	0.425	15	0	0.02	4.10	0.76	1.05
Radium 226, Suspended	pCi/L	5		-0.15333	0.23167	-0.02	0.483333	0.1625	15	0	-0.15	6.31	1.08	2.08
Thorium 230, Suspended	pCi/L			0.025833	0.02083	-0.1375	0.144167	0.075	15	0	-0.14	0.30	0.09	0.10
Radionuclides, Total														
Lead 210, Total	pCi/L			NM	NM	NM	NM	<1	7	6	<1	57.00	9.92	23.07
Polonium 210, Total	pCi/L			NM	NM	NM	NM	<1	7	5	<1	13.00	2.96	4.76
Radium 226, Total	pCi/L	5		NM	NM	NM	NM	6.3	7	0	1.10	120.00	32.84	47.54
Radon 222, Total	pCi/L			339	335.917	223.833	462.75	986.667	15	0	196.67	180750.00	21158.38	51760.32
Thorium 230, Total	pCi/L			NM	NM	NM	NM	<0.2	7	7	<0.2	<0.2	<0.2	<0.2
Data Quality Parameters														
A/C Balance (± 5)	%			2.93	1.85667	0.9625	2.659167	-0.06	15	0	-1.54	3.54	1.10	1.49
Anions	meq/l			14.99167	12.9917	13.9917	35.41667	26.925	15	0	11.17	35.42	18.66	8.34
Cations	meq/l			15.89167	13.4667	14.225	37.375	27	15	0	11.47	37.38	19.21	8.95
Solids, Total Dissolved Calculated	mg/L			984.3333	868.583	961.583	2347.5	1725	15	0	732.50	2347.50	1225.02	546.33
TDS Balance (0.80 - 1.20)	dec. %			0.995	0.95667	1.00167	1	1.095	15	0	0.96	1.12	1.02	0.05

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Project				Unkpapa Water Quality				Summary Statistics on Hydro ID Means					
Hydro ID				690	693	703	704						
Analyte	Units	Federal MCL	Secondary Standard	Mean*	Mean*	Mean*	Mean*	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			2112	2083	2500	2100	4	0	2083.00	2500.00	2198.75	201.19
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	9.36	9.2	11.13	9.37	4	0	9.20	11.13	9.77	0.91
Field Temperature	Deg C			14.12	14.5	11.9	20.1	4	0	11.90	20.10	15.16	3.49
Field Turbidity	NTUs			13.2	9.2	NM	NM	2	0	9.20	13.20	11.20	2.83
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Physical Properties													
Conductivity @ 25 C	umhos/cm			2000	1650	2420	1570	4	0	1570.00	2420.00	1910.00	387.90
Non-polar Materials (SGT-HEM)	mg/L			220	210	88	160	4	0	88.00	220.00	169.50	60.34
pH, Laboratory	s.u.		6.5-8.5	9.27	9	11.4	9.46	4	0	9.00	11.40	9.78	1.09
Sodium Adsorption Ratio (SAR)	unitless			10	9.1	12	17	4	0	9.10	17.00	12.03	3.53
Solids, Total Dissolved TDS @ 180 C	mg/L		500	1400	1400	1400	1300	4	0	1300.00	1400.00	1375.00	50.00
Major Ions													
Alkalinity, Total as CaCO3	mg/L			38	68	148	74	4	0	38.00	148.00	82.00	46.73
Bicarbonate as HCO3	mg/L			32	68	180	66	4	0	32.00	180.00	86.50	64.49
Calcium, Dissolved	mg/L			42.1	73.7	72.6	23	4	0	23.00	73.70	52.85	24.71
Carbonate as CO3	mg/L			7	7	<5	12	4	1	<5	12.00	7.13	3.88
Chloride	mg/L		250	30	38	16	70	4	0	16.00	70.00	38.50	22.88
Fluoride	mg/L	4	2	0.5	0.6	0.3	0.8	4	0	0.30	0.80	0.55	0.21
Magnesium, Dissolved	mg/L			25.4	35.2	<0.5	14.8	4	1	<0.5	35.20	18.91	14.97
Nitrogen, Ammonia as N	mg/L			0.3	0.3	1.6	0.5	4	0	0.30	1.60	0.68	0.62
Nitrogen, Nitrate as N	mg/L	10		0.2	<0.1	<0.1	<0.1	4	3	<0.1	0.20	0.09	0.08
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			14	8.6	9.3	6.8	4	0	6.80	14.00	9.68	3.07
Silica	mg/L			<0.5	5	4.2	<0.2	4	2	<0.2	5.00	2.39	2.58
Sodium, Dissolved	mg/L			342	380	370	437	4	0	342.00	437.00	382.25	39.89
Sulfate, Total	mg/L		250	807	886	828	872	4	0	807.00	886.00	848.25	36.97
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			0.7	1	0.3	0.9	4	0	0.30	1.00	0.73	0.31
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	4	4	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	0.06	0.05	<0.03	4	2	<0.03	0.06	0.04	0.02
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	<0.01	<0.01	<0.01	<0.01	4	4	<0.01	<0.01	<0.01	<0.01
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		<0.0003	<0.0003	0.0003	<0.0003	4	3	<0.0003	0.0003	0.0002	0.0001
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	0.03	<0.01	4	3	<0.01	0.03	0.01	0.01
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	4	4	<0.0003	<0.0003	<0.0003	<0.0003
Metals, Total													
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	4	4	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			0.7	1.1	0.4	0.9	4	0	0.40	1.10	0.78	0.30
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	4	4	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	1.48	1.4	0.68	0.87	4	0	0.68	1.48	1.11	0.39
Lead, Total	mg/L			0.019	<0.003	0.007	<0.001	4	2	<0.001	0.02	0.0070	0.0085
Manganese, Total	mg/L		0.05	0.02	0.01	<0.01	0.04	4	1	<0.01	0.04	0.02	0.02
Mercury, Total	mg/L	0.002		<0.0002	<0.0002	<0.001	<0.001	4	4	<0.0002	<0.001	<0.001	<0.001
Mercury, Total A3112B	mg/L	0.002		<0.0001	<0.0001	NM	NM	2	2	<0.0001	<0.0001	<0.0001	<0.0001
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	0.005	<0.001	<0.001	4	3	<0.001	0.0050	0.002	0.002
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			2.6	2.1	2.2	2.5	4	0	2.10	2.60	2.35	0.24
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	4	4	<0.0003	<0.0003	<0.0003	<0.0003
Zinc, Total	mg/L		5	0.2	<0.01	<0.01	<0.01	4	3	<0.01	0.20	0.05	0.10

POWERTECH (USA) INC.

Dewey-Burdock Project				Unkpapa Water Quality				Summary Statistics on Hydro ID Means					
Hydro ID				690	693	703	704						
Analyte	Units	Federal MCL	Secondary Standard	Mean*	Mean*	Mean*	Mean*	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		4.8	2.8	42.6	-3	4	0	-3.00	42.60	11.80	20.80
Gross Beta, Dissolved	pCi/L			6.1	2.7	14.2	-5	4	0	-5.00	14.20	4.50	7.96
Gross Gamma, Dissolved	pCi/L			1100	0	1100	830	4	0	0.00	1100.00	757.50	520.79
Lead 210, Dissolved	pCi/L			1.8	1.3	1	1.1	4	0	1.00	1.80	1.30	0.36
Polonium 210, Dissolved	pCi/L			0.7	0.3	-0.015	0.3	4	0	-0.02	0.70	0.32	0.29
Radium 226, Dissolved	pCi/L	5		0.2	0.6	0.4	0.04	4	0	0.04	0.60	0.31	0.24
Thorium 230, Dissolved	pCi/L			0	0	0.1	0	4	0	0.00	0.10	0.03	0.05
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			-5.7	-1.3	1.1	-3	4	0	-5.70	1.10	-2.23	2.86
Polonium 210, Suspended	pCi/L			0.1	0	0.047	-0.015	4	0	-0.02	0.10	0.03	0.05
Radium 226, Suspended	pCi/L	5		-0.3	0.2	-0.4	-0.2	4	0	-0.40	0.20	-0.18	0.26
Thorium 230, Suspended	pCi/L			0	0	-0.2	0.3	4	0	-0.20	0.30	0.03	0.21
Radionuclides, Total													
Radon 222, Total	pCi/L			194	424	153	188	4	0	153.00	424.00	239.75	124.16
Data Quality Parameters													
A/C Balance (± 5)	%			2.66	5.4	-1.35	-0.14	4	0	-1.35	5.40	1.64	3.02
Anions	meq/l			18.4	20.9	20.7	21.6	4	0	18.40	21.60	20.40	1.39
Cations	meq/l			19.4	23.3	20.1	21.6	4	0	19.40	23.30	21.10	1.73
Solids, Total Dissolved Calculated	mg/L			1280	1480	1400	1470	4	0	1280.00	1480.00	1407.50	92.15
TDS Balance (0.80 - 1.20)	dec. %			1.09	0.9	1.01	0.9	4	0	0.90	1.09	0.98	0.09

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				2	2	2	2	Summary Statistics for Hydro ID 2					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/26/2007 12:46:00 PM	11/12/2007 9:25:00 AM	2/12/2008 10:21:00 AM	5/30/2008 3:21:00 PM						
Lab ID				R07090384 -002	R07110146 -003	R08020130 -001	R08050427 -003						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			1070	1541	1579	1555	4	0	1070	1579	1436.25	244.67036
Field Dissolved Oxygen	mg/L			NM	1.87	NM	NM	1	0	1.87	1.87	1.87	---
Field pH	s.u.		6.5-8.5	7.86	8.2	7.83	7.95	4	0	7.83	8.2	7.96	0.1679286
Field Temperature	Deg C			NM	12.38	11.92	13.46	3	0	11.92	13.46	12.586667	0.7905273
Field Turbidity	NTUs			NM	1.6	0	0.4	3	0	0	1.6	0.6666667	0.8326664
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Physical Properties													
Conductivity @ 25 C	umhos/cm			1570	1500	1580	1670	4	0	1500	1670	1580	69.761498
Oxidation-Reduction Potential	mV			NM	140	190	190	3	0	140	190	173	28.867513
pH, Laboratory	s.u.		6.5-8.5	7.91	7.85	7.93	7.92	4	0	7.85	7.93	7.9025	0.0359398
Sodium Adsorption Ratio (SAR)	unitless			NM	8.8	8.3	8.7	3	0	8.3	8.8	8.6	0.2645751
Solids, Total Dissolved TDS @ 180 C	mg/L		500	1100 h	1100	1100	1100	4	0	1100	1100	1100	0
Major Ions													
Alkalinity, Total as CaCO3	mg/L			214	208	208	212	4	0	208	214	210.5	3
Bicarbonate as HCO3	mg/L			261	254	254	258	4	0	254	261	256.75	3.4034296
Calcium, Dissolved	mg/L			48.5	51.7	54	57.8	4	0	48.5	57.8	53	3.9149287
Carbonate as CO3	mg/L			<5	<5	<5	<5	4	4	<5	<5	<5	<5
Chloride	mg/L		250	10	11	11	9	4	0	9	11	10.25	0.9574271
Fluoride	mg/L	4	2	0.2	0.2	0.3	0.3	4	0	0.2	0.3	0.25	0.057735
Magnesium, Dissolved	mg/L			15.8	16.6	17.6	19	4	0	15.8	19	17.25	1.3796135
Nitrogen, Ammonia as N	mg/L			<0.1	0.4	0.4	0.3	4	1	<0.1	0.4	0.2875	0.1652019
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			11.5	11.4	11.5	11	4	0	11	11.5	11.35	0.2380476
Silica	mg/L			8	8.1	8.7	4.3	4	0	4.3	8.7	7.275	2.0072784
Sodium, Dissolved	mg/L			273 d	286 d	276 d	297 d	4	0	273	297	283	10.86278
Sulfate, Total	mg/L		250	583 d	577 d	639	579 d	4	0	577	639	594.5	29.771351
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.001	<0.001	<0.001	<0.001	4	3	<0.001	0.001	0.000625	0.00025
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	0.1	4	3	<0.1	0.1	0.0625	0.025
Cadmium, Dissolved	mg/L	0.005		<0.01	<0.005	<0.005	<0.005	4	4	<0.005	<0.01	<0.01	<0.01
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	4	4	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	4	4	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.05	<0.001	<0.001	<0.001	4	4	<0.001	<0.05	<0.05	<0.05
Manganese, Dissolved	mg/L		0.05	0.08	0.08	0.09	0.08	4	0	0.08	0.09	0.0825	0.005
Mercury, Dissolved	mg/L	0.002		<0.0002	<0.001	<0.001	<0.001	4	4	<0.0002	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.01	<0.005	<0.005	<0.005	4	4	<0.005	<0.01	<0.01	<0.01
Thorium 232, Dissolved	mg/L			<0.001	<0.005	<0.005	<0.005	4	4	<0.001	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	4	4	<0.0003	<0.0003	<0.0003	<0.0003
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	4	4	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		0.0003	<0.0003	<0.0003	<0.0003	4	3	<0.0003	0.0003	0.0001875	0.000075
Metals, Total													
Antimony, Total	mg/L	0.006		NM	NM	<0.003	<0.003	2	2	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		NM	NM	0.001	0.004 d	2	0	0.001	0.004	0.0025	0.0021213
Barium, Total	mg/L	2		NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	NM	NM	1.48	1.54	2	0	1.48	1.54	1.51	0.0424264
Lead, Total	mg/L			NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	NM	NM	0.09	0.09	2	0	0.09	0.09	0.09	0
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.0001	4	4	<0.0001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			NM	NM	<0.01	<0.1	2	2	<0.01	<0.1	<0.1	<0.1
Nickel, Total	mg/L			NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			NM	NM	1.7	1.8	2	0	1.7	1.8	1.75	0.0707107
Thallium, Total	mg/L	0.002		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		0.0004	NM	<0.0003	<0.0003	3	2	<0.0003	0.0004	0.0002333	0.0001443

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Dewey-Burdock Hydro ID				2	2	2	2	Summary Statistics for Hydro ID 2					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/26/2007 12:46:00 PM	11/12/2007 9:25:00 AM	2/12/2008 10:21:00 AM	5/30/2008 3:21:00 PM						
Lab ID				R07090384 -002	R07110146 -003	R08020130 -001	R08050427 -003						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		1.4	8.7	6.7	8.2	4	0	1.4	8.7	6.25	3.3431522
Gross Beta, Dissolved	pCi/L			9.3	12.4	22.1	10.3	4	0	9.3	22.1	13.525	5.8608162
Gross Gamma, Dissolved	pCi/L			<20	260	<20	0 j	4	2	<20	260	70	126.75436
Lead 210, Dissolved	pCi/L			<1	<1	<1	3.1 j	4	3	<1	3.1	1.15	1.3
Polonium 210, Dissolved	pCi/L			<1	2	2.1	0.1 j	4	1	<1	2.1	1.175	1.0242884
Radium 226, Dissolved	pCi/L	5		<0.2	1.3	1.1	2.1	4	1	<0.2	2.1	1.15	0.8225975
Thorium 230, Dissolved	pCi/L			<0.2	<0.2	<0.2	0 j	4	3	<0.2	0	0.075	0.05
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			<1	<1	<1	1.4 j	4	3	<1	1.4	0.725	0.45
Polonium 210, Suspended	pCi/L			<1	<1	<1	0 j	4	3	<1	0	0.375	0.25
Radium 226, Suspended	pCi/L	5		2.2	<0.2	<0.2	0.2 j	4	2	<0.2	2.2	0.65	1.034408
Thorium 230, Suspended	pCi/L			<0.2	<0.2	<0.2	0.1 j	4	3	<0.2	0.1	0.1	0
Radionuclides, Total													
Lead 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Polonium 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Radium 226, Total	pCi/L	5		2.2	NM	NM	NM	1	0	2.2	2.2	2.2	---
Radon 222, Total	pCi/L			NM	674	792 h	727	3	0	674	792	731	59.101607
Thorium 230, Total	pCi/L			<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Data Quality Parameters													
A/C Balance (± 5)	%			-2.46	0.663	-3.82	3.25	4	0	-3.82	3.25	-0.59175	3.1751849
Anions	meq/l			16.7	16.5	17.8	16.6	4	0	16.5	17.8	16.9	0.6055301
Cations	meq/l			15.9	16.7	16.5	17.7	4	0	15.9	17.7	16.7	0.7483315
Solids, Total Dissolved Calculated	mg/L			1070	1090	1160	1110	4	0	1070	1160	1107.5	38.622101
TDS Balance (0.80 - 1.20)	dec. %			1	0.97	0.94	0.96	4	0	0.94	1	0.9675	0.025

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				4	Summary Statistics for Hydro ID 4					
Month Sampled				Feb-08						
Date and Time Collected				2/12/2008 9:52:00 AM						
Lab ID				R08020130 -002						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters										
Field Conductivity	umhos/cm			4413	1	0	4413	4413	4413	---
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	7.9	1	0	7.9	7.9	7.9	---
Field Temperature	Deg C			13.66	1	0	13.66	13.66	13.66	---
Field Turbidity	NTUs			0.8	1	0	0.8	0.8	0.8	---
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM
Physical Properties										
Conductivity @ 25 C	umhos/cm			4400	1	0	4400	4400	4400	---
Oxidation-Reduction Potential	mV			120	1	0	120	120	120	---
pH, Laboratory	s.u.		6.5-8.5	7.94	1	0	7.94	7.94	7.94	---
Sodium Adsorption Ratio (SAR)	unitless			10	1	0	10	10	10	---
Solids, Total Dissolved TDS @ 180 C	mg/L		500	3700	1	0	3700	3700	3700	---
Major Ions										
Alkalinity, Total as CaCO3	mg/L			88	1	0	88	88	88	---
Bicarbonate as HCO3	mg/L			107	1	0	107	107	107	---
Calcium, Dissolved	mg/L			241	1	0	241	241	241	---
Carbonate as CO3	mg/L			<5	1	1	<5	<5	<5	---
Chloride	mg/L		250	26	1	0	26	26	26	---
Fluoride	mg/L	4	2	0.4	1	0	0.4	0.4	0.4	---
Magnesium, Dissolved	mg/L			87	1	0	87	87	87	---
Nitrogen, Ammonia as N	mg/L			0.8	1	0	0.8	0.8	0.8	---
Nitrogen, Nitrate as N	mg/L	10		<0.1	1	1	<0.1	<0.1	<0.1	---
Nitrogen, Nitrite as N	mg/L	1		<0.1	1	1	<0.1	<0.1	<0.1	---
Potassium, Dissolved	mg/L			7.8	1	0	7.8	7.8	7.8	---
Silica	mg/L			10.2	1	0	10.2	10.2	10.2	---
Sodium, Dissolved	mg/L			716 d	1	0	716	716	716	---
Sulfate, Total	mg/L		250	2440 d	1	0	2440	2440	2440	---
Metals, Dissolved										
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	1	1	<0.1	<0.1	<0.1	---
Arsenic, Dissolved	mg/L	0.01		<0.001	1	1	<0.001	<0.001	<0.001	---
Barium, Dissolved	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Boron, Dissolved	mg/L			0.7	1	0	0.7	0.7	0.7	---
Cadmium, Dissolved	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Dissolved	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Dissolved	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Dissolved	mg/L		0.3	<0.03	1	1	<0.03	<0.03	<0.03	---
Lead, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Manganese, Dissolved	mg/L		0.05	0.07	1	0	0.07	0.07	0.07	---
Mercury, Dissolved	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Molybdenum, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Dissolved	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Dissolved	mg/L	0.05		<0.001	1	1	<0.001	<0.001	<0.001	---
Silver, Dissolved	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Thorium 232, Dissolved	mg/L			<0.005	1	1	<0.005	<0.005	<0.005	---
Uranium, Dissolved	mg/L	0.03		0.0004	1	0	0.0004	0.0004	0.0004	---
Vanadium, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Zinc, Dissolved	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Metals, Dissolved, Speciated										
Selenium-IV, Dissolved	mg/L			0.001	1	0	0.001	0.001	0.001	---
Selenium-VI, Dissolved	mg/L			0.001	1	0	0.001	0.001	0.001	---
Metals, Suspended										
Uranium, Suspended	mg/L	0.03		<0.0003	1	1	<0.0003	<0.0003	<0.0003	---
Metals, Total										
Antimony, Total	mg/L	0.006		<0.003	1	1	<0.003	<0.003	<0.003	---
Arsenic, Total	mg/L	0.01		<0.001	1	1	<0.001	<0.001	<0.001	---
Barium, Total	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Beryllium, Total	mg/L	0.004		<0.001	1	1	<0.001	<0.001	<0.001	---
Boron, Total	mg/L			0.6	1	0	0.6	0.6	0.6	---
Cadmium, Total	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Total	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Total	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Total	mg/L		0.3	1.32	1	0	1.32	1.32	1.32	---
Lead, Total	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Manganese, Total	mg/L		0.05	0.06	1	0	0.06	0.06	0.06	---
Mercury, Total	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Molybdenum, Total	mg/L			0.02	1	0	0.02	0.02	0.02	---
Nickel, Total	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Total	mg/L	0.05		0.002	1	0	0.002	0.002	0.002	---
Silver, Total	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Strontium, Total	mg/L			5.7	1	0	5.7	5.7	5.7	---
Thallium, Total	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Uranium, Total	mg/L	0.03		<0.0005	1	1	<0.0005	<0.0005	<0.0005	---

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				4	Summary Statistics for Hydro ID 4					
Month Sampled				Feb-08						
Date and Time Collected				2/12/2008 9:52:00 AM						
Lab ID				R08020130 -002						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Radionuclides, Dissolved										
Gross Alpha, Dissolved	pCi/L	15		3.5	1	0	3.5	3.5	3.5	---
Gross Beta, Dissolved	pCi/L			14.4	1	0	14.4	14.4	14.4	---
Gross Gamma, Dissolved	pCi/L			<20	1	1	<20	<20	<20	---
Lead 210, Dissolved	pCi/L			<1	1	1	<1	<1	<1	---
Polonium 210, Dissolved	pCi/L			2.7	1	0	2.7	2.7	2.7	---
Radium 226, Dissolved	pCi/L	5		1.1	1	0	1.1	1.1	1.1	---
Thorium 230, Dissolved	pCi/L			<0.2	1	1	<0.2	<0.2	<0.2	---
Radionuclides, Suspended										
Lead 210, Suspended	pCi/L			<1	1	1	<1	<1	<1	---
Polonium 210, Suspended	pCi/L			<1	1	1	<1	<1	<1	---
Radium 226, Suspended	pCi/L	5		0.7	1	0	0.7	0.7	0.7	---
Thorium 230, Suspended	pCi/L			<0.2	1	1	<0.2	<0.2	<0.2	---
Radionuclides, Total										
Radon 222, Total	pCi/L			908 h	1	0	908	908	908	---
Data Quality Parameters										
A/C Balance (± 5)	%			-2.6	1	0	-2.6	-2.6	-2.6	---
Anions	meq/l			53.3	1	0	53.3	53.3	53.3	---
Cations	meq/l			50.6	1	0	50.6	50.6	50.6	---
Solids, Total Dissolved Calculated	mg/L			3600	1	0	3600	3600	3600	---
TDS Balance (0.80 - 1.20)	dec. %			1.02	1	0	1.02	1.02	1.02	---

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				5	5	5	5	Summary Statistics for Hydro ID 5					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/26/2007 6:08:00 PM	11/27/2007 8:25:00 AM	2/10/2008 2:55:00 PM	4/29/2008 7:00:00 PM						
Lab ID				R07090384 -005	R07110303 -001	R08020082 -001	R08040364 -007						
Analyte	Units	Federal MCL	Secondary Standard	Results	Results	Results	Results	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			1904	2687	2928	2971	4	0	1904	2971	2622.5	495.03704
Field Dissolved Oxygen	mg/L			0.32	0.76	4.59	2.31	4	0	0.32	4.59	1.995	1.9290844
Field pH	s.u.		6.5-8.5	7.63	7.92	7.95	7.83	4	0	7.63	7.95	7.8325	0.1443087
Field Temperature	Deg C			NM	10.37	9.41	13.94	3	0	9.41	13.94	11.24	2.3870274
Field Turbidity	NTUs			NM	1.7	0.3	1	3	0	0.3	1.7	1	0.7
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Physical Properties													
Conductivity @ 25 C	umhos/cm			2890	2830	2950	2810	4	0	2810	2950	2870	63.245553
Oxidation-Reduction Potential	mV			NM	270	129.4	180	3	0	129.4	270	193.13333	71.214137
pH, Laboratory	s.u.		6.5-8.5	7.72	7.64	7.91	8.2	4	0	7.64	8.2	7.8675	0.2489143
Sodium Adsorption Ratio (SAR)	unitless			NM	9.3	9.6	10	3	0	9.3	10	9.6333333	0.3511885
Solids, Total Dissolved TDS @ 180 C	mg/L		500	2200	2300	2300	2200	4	0	2200	2300	2250	57.735027
Major Ions													
Alkalinity, Total as CaCO3	mg/L			124	118	120	118	4	0	118	124	120	2.8284271
Bicarbonate as HCO3	mg/L			151	144	146	144	4	0	144	151	146.25	3.3040379
Calcium, Dissolved	mg/L			110	120	132	136	4	0	110	136	124.5	11.818065
Carbonate as CO3	mg/L			<5	<5	<5	<5	4	4	<5	<5	<5	<5
Chloride	mg/L		250	24	23	26	20	4	0	20	26	23.25	2.5
Fluoride	mg/L	4	2	0.3	0.3	0.4	0.4	4	0	0.3	0.4	0.35	0.057735
Magnesium, Dissolved	mg/L			44.3	49	52.3	54.1	4	0	44.3	54.1	49.925	4.3037774
Nitrogen, Ammonia as N	mg/L			0.1	0.4	0.5	0.5	4	0	0.1	0.5	0.375	0.1892969
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.05	4	4	<0.05	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.05	4	4	<0.05	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			7.8	8.3	8.2	7.3	4	0	7.3	8.3	7.9	0.4546061
Silica	mg/L			8.6	9	10	4.9	4	0	4.9	10	8.125	2.2291628
Sodium, Dissolved	mg/L			470 d	480 d	515 d	545 d	4	0	470	545	502.5	34.278273
Sulfate, Total	mg/L		250	1500 d	1370 d	1470 d	1430	4	0	1370	1500	1442.5	56.199051
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			0.4	0.4	0.5	0.4	4	0	0.4	0.5	0.425	0.05
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	4	4	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	4	4	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.001	0.003	<0.001	<0.001	4	3	<0.001	0.003	0.001125	0.00125
Manganese, Dissolved	mg/L		0.05	0.06	0.07	0.06	0.06	4	0	0.06	0.07	0.0625	0.005
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		0.001	<0.001	<0.001	<0.001	4	3	<0.001	0.001	0.000625	0.00025
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.002	0.002	0.0021	0.0017	4	0	0.0017	0.0021	0.00195	0.0001732
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	0.02	<0.01	<0.01	4	3	<0.01	0.02	0.00875	0.0075
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			NM	0.001	<0.001	<0.001	3	2	<0.001	0.001	0.0006667	0.0002887
Selenium-VI, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	4	4	<0.0003	<0.0003	<0.0003	<0.0003
Metals, Total													
Antimony, Total	mg/L	0.006		NM	NM	<0.003	<0.003	2	2	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		NM	NM	<0.001	0.001	2	1	<0.001	0.001	0.00075	0.0003536
Barium, Total	mg/L	2		NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			NM	NM	0.5	0.4	2	0	0.4	0.5	0.45	0.0707107
Cadmium, Total	mg/L	0.005		NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	NM	NM	1.11	1.08	2	0	1.08	1.11	1.095	0.0212132
Lead, Total	mg/L			NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	NM	NM	0.06	0.05	2	0	0.05	0.06	0.055	0.0070711
Mercury, Total	mg/L	0.002		<0.0002	<0.001	<0.001	<0.001	4	4	<0.0002	<0.001	<0.001	<0.001
Mercury, Total A3112B	mg/L	0.002		NM	NM	NM	<0.0001	1	1	<0.0001	<0.0001	<0.0001	---
Molybdenum, Total	mg/L			NM	NM	0.01	<0.1	2	1	<0.1	0.01	0.03	0.0282843
Nickel, Total	mg/L			NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		NM	NM	<0.001	0.001	2	1	<0.001	0.001	0.00075	0.0003536
Silver, Total	mg/L		0.1	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			NM	NM	4.2	4.6	2	0	4.2	4.6	4.4	0.2828427
Thallium, Total	mg/L	0.002		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				5	5	5	5	Summary Statistics for Hydro ID 5					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/26/2007 6:08:00 PM	11/27/2007 8:25:00 AM	2/10/2008 2:55:00 PM	4/29/2008 7:00:00 PM						
Lab ID				R07090384 -005	R07110303 -001	R08020082 -001	R08040364 -007						
Analyte	Units	Federal MCL	Secondary Standard	Results	Results	Results	Results	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Uranium, Total	mg/L	0.03		0.002	NM	0.0021	0.0017	3	0	0.0017	0.0021	0.0019333	0.0002082
Zinc, Total	mg/L		5	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		2.5	4.4	14.8	13.2	4	0	2.5	14.8	8.725	6.1748819
Gross Beta, Dissolved	pCi/L			4.3	6.3	10	-8 j	4	0	-8	10	3.15	7.7993589
Gross Gamma, Dissolved	pCi/L			960	1000	91	0 j	4	0	0	1000	512.75	541.05784
Lead 210, Dissolved	pCi/L			<1	1.7	<1	0 j	4	2	<1	1.7	0.675	0.7228416
Polonium 210, Dissolved	pCi/L			<1	1.9	<1	1.1	4	2	<1	1.9	1	0.663325
Radium 226, Dissolved	pCi/L	5		1.6	0.8	1.3	1.3	4	0	0.8	1.6	1.25	0.3316625
Thorium 230, Dissolved	pCi/L			<0.2	<0.2	<0.2	0.2	4	3	<0.2	0.2	0.125	0.05
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			<1	5.1	<1	-9.6 j	4	2	<1	5.1	-0.875	6.2077237
Polonium 210, Suspended	pCi/L			<1	<1	<1	0 j	4	3	<1	0	0.375	0.25
Radium 226, Suspended	pCi/L	5		0.8	<0.2	0.6	0.3	4	1	<0.2	0.8	0.45	0.3109126
Thorium 230, Suspended	pCi/L			<0.2	<0.2	<0.2	0.1 j	4	3	<0.2	0.1	0.1	0
Radionuclides, Total													
Lead 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Polonium 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Radium 226, Total	pCi/L	5		2.4	NM	NM	NM	1	0	2.4	2.4	2.4	---
Radon 222, Total	pCi/L			NM	902	806	1070	3	0	806	1070	926	133.62634
Thorium 230, Total	pCi/L			<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Data Quality Parameters													
A/C Balance (± 5)	%			-1.14	-0.831	-0.25	3.52	4	0	-1.14	3.52	0.32475	2.1618827
Anions	meq/l			30.4	31.6	33.7	32.8	4	0	30.4	33.7	32.125	1.4361407
Cations	meq/l			29.8	31.1	33.5	35.2	4	0	29.8	35.2	32.4	2.4152295
Solids, Total Dissolved Calculated	mg/L			2040	2120	2270	2280	4	0	2040	2280	2177.5	117.29592
TDS Balance (0.80 - 1.20)	dec. %			1.09	1.08	1.03	0.98	4	0	0.98	1.09	1.045	0.0506623

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				7	7	7	7	7	Summary Statistics for Hydro ID 7					
Quarter Sampled				Initial	3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				10/3/2006 11:12:00 AM	9/28/2007 5:28:00 PM	11/12/2007 8:20:00 AM	2/20/2008 8:45:00 AM	5/29/2008 11:10:00 AM						
Lab ID				R06100076 -004	R07100002 -009	R07110146 -002	R08020220 -002	R08050419 -002						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters														
Field Conductivity	umhos/cm			NM	1185	1490	1451	1496	4	0	1185	1496	1405.5	148.3476
Field Dissolved Oxygen	mg/L			NM	NM	3.41	5.02	NM	2	0	3.41	5.02	4.215	1.138442
Field pH	s.u.		6.5-8.5	NM	7.39	8.32	8.05	8.07	4	0	7.39	8.32	7.9575	0.397775
Field Temperature	Deg C			9	13.11	13.31	6.78	13.3	5	0	6.78	13.31	11.1	3.034658
Field Turbidity	NTUs			NM	NM	0.7	0.5	0.1	3	0	0.1	0.7	0.43	0.305505
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Physical Properties														
Conductivity @ 25 C	umhos/cm			1530	1490	1440	1600	1650	5	0	1440	1650	1542	84.08329
Non-polar Materials (SGT-HEM)	mg/L			<5	NM	NM	NM	NM	1	1	<5	<5	<5	---
Oxidation-Reduction Potential	mV			NM	NM	210	180	210	3	0	180	210	200	17.32051
pH, Laboratory	s.u.		6.5-8.5	8.08	8.13	8.05	8.14	8.17	5	0	8.05	8.17	8.114	0.04827
Sodium Adsorption Ratio (SAR)	unitless			NM	NM	10	10	9.7	3	0	9.7	10	9.9	0.173205
Solids, Total Dissolved TDS @ 180 C	mg/L		500	1000	1000	1000	990	960	5	0	960	1000	990	17.32051
Major Ions														
Alkalinity, Total as CaCO3	mg/L			170	176	170	170	170	5	0	170	176	171.2	2.683282
Bicarbonate as HCO3	mg/L			210	215	207	207	207	5	0	207	215	209.2	3.49285
Calcium, Dissolved	mg/L			37	30 d	36	32.9	42.1	5	0	30	42.1	35.6	4.555766
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	5	5	<5	<5	<5	<5
Chloride	mg/L		250	13	12	12	11	11	5	0	11	13	11.8	0.83666
Fluoride	mg/L	4	2	0.37	0.3	0.4	0.3	0.4	5	0	0.3	0.4	0.354	0.050794
Magnesium, Dissolved	mg/L			16	11.5	15.3	14	18.2	5	0	11.5	18.2	15	2.478911
Nitrogen, Ammonia as N	mg/L			0.4	0.3	0.4	0.3	0.3	5	0	0.3	0.4	0.34	0.054772
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	0.1	<0.1	<0.1	5	4	<0.1	0.1	0.06	0.022361
Nitrogen, Nitrite as N	mg/L	1		NM	<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			10	11	11.1	10.8	11	5	0	10	11.1	10.78	0.449444
Silica	mg/L			NM	7.5	7.8	7.5	4.1	4	0	4.1	7.8	6.725	1.755705
Silicon as SiO2	mg/L			7	NM	NM	NM	NM	1	0	7	7	7	---
Sodium, Dissolved	mg/L			270	237 d	289 d	276 d	300 d	5	0	237	300	274.4	23.92279
Sulfate, Total	mg/L		250	546 d	586 d	567 d	583 d	514 d	5	0	514	586	559.2	29.8446
Metals, Dissolved														
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.01	<0.001	<0.001	<0.001	<0.001	5	5	<0.001	<0.01	<0.01	<0.01
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.001	<0.005	<0.005	<0.005	<0.005	5	5	<0.001	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.01	<0.05	<0.05	<0.05	<0.05	5	5	<0.01	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	5	5	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	<0.03	5	5	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.01	<0.001	<0.001	<0.001	<0.001	5	5	<0.001	<0.01	<0.01	<0.01
Manganese, Dissolved	mg/L		0.05	0.03	0.03	0.03	0.03	0.03	5	0	0.03	0.03	0.03	0
Mercury, Dissolved	mg/L	0.002		NM	<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.005	<0.1	<0.1	<0.1	<0.1	5	5	<0.005	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.01	<0.05	<0.05	<0.05	<0.05	5	5	<0.01	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.005	<0.001	<0.001	<0.001	<0.001	5	5	<0.001	<0.005	<0.005	<0.005
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	5	5	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			NM	<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		<0.001	<0.0003	<0.0003	<0.0003	<0.0003	5	5	<0.0003	<0.001	<0.001	<0.001
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	5	5	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated														
Selenium-IV, Dissolved	mg/L			NM	NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			NM	NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Metals, Suspended														
Uranium, Suspended	mg/L	0.03		NM	<0.0003	<0.0003	<0.0003	<0.0003	4	4	<0.0003	<0.0003	<0.0003	<0.0003
Metals, Total														
Antimony, Total	mg/L	0.006		NM	NM	NM	<0.003	<0.003	2	2	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		NM	NM	NM	<0.001	0.003 d	2	1	<0.001	0.003	0.00175	0.001768
Barium, Total	mg/L	2		NM	NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		NM	NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			NM	NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		NM	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		NM	NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	NM	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	NM	NM	NM	0.41	0.41	2	0	0.41	0.41	0.41	0
Lead, Total	mg/L			NM	NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	NM	NM	NM	0.03	0.03	2	0	0.03	0.03	0.03	0
Mercury, Total	mg/L	0.002		<0.001	<0.0002	<0.001	<0.001	<0.0001	5	5	<0.0001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			NM	NM	NM	<0.01	<0.1	2	2	<0.01	<0.1	<0.1	<0.1
Nickel, Total	mg/L			NM	NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		NM	NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	NM	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			NM	NM	NM	1	1.1	2	0	1	1.1	1.05	0.070711
Thallium, Total	mg/L	0.002		NM	NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		NM	NM	NM	<0.0003	<0.0003	2	2	<0.0003	<0.0003	<0.0003	<0.0003
Zinc, Total	mg/L		5	NM	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Radionuclides, Dissolved														
Actinium 228, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Americium 241, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Barium 133, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Bismuth 212, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Bismuth 214, Dissolved	pCi/L			300	NM	NM	NM	NM	1	0	300	300	300	---
Cesium 134, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Cesium 137, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Cobalt 60, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Gross Alpha, Dissolved	pCi/L	15		17	4.4	7.2	15.5	3.3 j	5	0	3.3	17	9.48	6.363725
Gross Beta, Dissolved	pCi/L			16	5	14.9	10.1	9.6	5	0	5	16	11.12	4.441509
Gross Gamma, Dissolved	pCi/L			<20	1200	130	77	0 j	5	1	<20	1200	283.4	515.1095
Iodine 125, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Iodine 131, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Lead 210, Dissolved	pCi/L			NM	<1	<1	24	0.5 j	4	2	<1	24	6.375	11.75
Lead 212, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Lead 214, Dissolved	pCi/L			350	NM	NM	NM	NM	1	0	350	350	350	---
Manganese 54, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Polonium 210, Dissolved	pCi/L			NM	<1	2.1	<1	0 j	4	2	<1	2.1	0.775	0.914239
Potassium 40, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Radium 223, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Radium 224, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				7	7	7	7	7	Summary Statistics for Hydro ID 7					
Quarter Sampled				Initial	3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				10/3/2006 11:12:00 AM	9/28/2007 5:28:00 PM	11/12/2007 8:20:00 AM	2/20/2008 8:45:00 AM	5/29/2008 11:10:00 AM						
Lab ID				R06100076 -004	R07100002 -009	R07110146 -002	R08020220 -002	R08050419 -002						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Radium 226, Dissolved	pCi/L	5		2.6	0.6	1.1	0.7	0.9	5	0	0.6	2.6	1.18	0.816701
Radium 226, Dissolved E901.1	pCi/L	5		300	NM	NM	NM	NM	1	0	300	300	300	---
Radium 228, Dissolved	pCi/L			<1	NM	NM	NM	NM	1	1	<1	<1	<1	---
Radium 228, Dissolved E901.1	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Thallium 208, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Thorium 228, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Thorium 230, Dissolved	pCi/L			NM	<0.2	<0.2	<0.2	0 j	4	3	<0.2	0	0.075	0.05
Thorium 234, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Uranium 238, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Zinc 65, Dissolved	pCi/L			<20	NN	NN	NN	NN	1	1	<20	<20	<20	---
Radionuclides, Suspended														
Lead 210, Suspended	pCi/L			NM	<1	<1	<1	-7.4 j	4	3	<1	-7.4 j	-1.475	3.95
Polonium 210, Suspended	pCi/L			NM	<1	<1	<1	-0.1 j	4	3	<1	-0.1 j	0.35	0.3
Radium 226, Suspended	pCi/L	5		NM	<0.2	<0.2	<0.9	-0.3 j	4	3	<0.2	-0.3 j	0.0875	0.306526
Thorium 230, Suspended	pCi/L			NM	<0.2	<0.2	0.2	0.2 j	4	2	<0.2	0.2	0.15	0.057735
Radionuclides, Total														
Lead 210, Total	pCi/L			NM	<1	NM	NM	NM	1	1	<1	<1	<1	---
Polonium 210, Total	pCi/L			NM	<1	NM	NM	NM	1	1	<1	<1	<1	---
Radium 226, Total	pCi/L	5		NM	<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Radon 222, Total	pCi/L			NM	NM	206	242	451	3	0	206	451	300	132.2888
Thorium 230, Total	pCi/L			NM	<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Data Quality Parameters														
A/C Balance (± 5)	%			NM	-3.73	1.13	-2.5	8.11	4	0	-3.73	8.11	0.7525	5.321243
Anions	meq/l			NM	14.1	15.6	15.9	14.4	4	0	14.1	15.9	15	0.883176
Cations	meq/l			NM	13	15.9	15.1	17	4	0	13	17	15.25	1.690168
Solids, Total Dissolved Calculated	mg/L			NM	896	1040	1050	1010	4	0	896	1050	999	70.73896
TDS Balance (0.80 - 1.20)	dec. %			NM	1.16	0.98	0.94	0.95	4	0	0.94	1.16	1.0075	0.103078

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				8	8	8	8	Summary Statistics for Hydro ID 8					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/26/2007 2:33:00 PM	11/27/2007 4:30:00 PM	2/5/2008 10:20:00 AM	5/29/2008 11:41:00 AM						
Lab ID				R07090384 -003	R07110303 -005	R08020052 -001	R08050419 -003						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detects)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			908	1402	1367	1389	4	0	908	1402	1266.5	239.43614
Field Dissolved Oxygen	mg/L			NM	NM	5.42	NM	1	0	5.42	5.42	5.42	---
Field pH	s.u.		6.5-8.5	7.8	7.88	7.89	7.98	4	0	7.8	7.98	7.8875	0.0736546
Field Temperature	Deg C			NM	9.99	10.87	14.98	3	0	9.99	14.98	11.946667	2.6635377
Field Turbidity	NTUs			NM	NM	0.6	-0.4	2	0	-0.4	0.6	0.1	0.7071068
Water Level Elevation	ft AMSL			3574.61	NM	NM	NM	1	0	3574.61	3574.61	3574.61	---
Physical Properties													
Conductivity @ 25 C	umhos/cm			1420	1420	1430	1560	4	0	1420	1560	1457.5	68.495742
Oxidation-Reduction Potential	mV			NM	150	220	210	3	0	150	220	193.33333	37.859389
pH, Laboratory	s.u.		6.5-8.5	7.93	7.95	7.94	7.97	4	0	7.93	7.97	7.9475	0.0170783
Sodium Adsorption Ratio (SAR)	unitless			NM	5.6	6.4	6.5	3	0	5.6	6.5	6.1666667	0.4932883
Solids, Total Dissolved TDS @ 180 C	mg/L		500	960	1000	1000	940	4	0	940	1000	975	30
Major Ions													
Alkalinity, Total as CaCO3	mg/L			168	178	166	164	4	0	164	178	169	6.2182527
Bicarbonate as HCO3	mg/L			205	217	202	200	4	0	200	217	206	7.6157731
Calcium, Dissolved	mg/L			48.5	56.4	52.6	58.9	4	0	48.5	58.9	54.1	4.5438603
Carbonate as CO3	mg/L			<5	<5	<5	<5	4	4	<5	<5	<5	<5
Chloride	mg/L		250	13	12	12	11	4	0	11	13	12	0.8164966
Fluoride	mg/L	4	2	0.4	0.4	0.5	0.4	4	0	0.4	0.5	0.425	0.05
Magnesium, Dissolved	mg/L			21.2	24.6	22.6	26.3	4	0	21.2	26.3	23.675	2.2381168
Nitrogen, Ammonia as N	mg/L			<0.1	0.2	0.3	0.2	4	1	<0.1	0.3	0.1875	0.1030776
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			14.2	15.7	14.7	13.7	4	0	13.7	15.7	14.575	0.8539126
Silica	mg/L			6.9	6.7	7.3	3.5	4	0	3.5	7.3	6.1	1.7511901
Sodium, Dissolved	mg/L			224 d	199 d	222 d	240 d	4	0	199	240	221.25	16.879475
Sulfate, Total	mg/L		250	540 d	594 d	455 d	514 d	4	0	455	594	525.75	57.748737
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.001	<0.001	<0.001	0.001	4	2	<0.001	0.001	0.00075	0.0002887
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	0.1	<0.1	4	3	<0.1	0.1	0.0625	0.025
Cadmium, Dissolved	mg/L	0.005		<0.01	<0.005	<0.005	<0.005	4	4	<0.005	<0.01	<0.01	<0.01
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	4	4	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	4	4	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.05	<0.001	<0.001	<0.001	4	4	<0.001	<0.05	<0.05	<0.05
Manganese, Dissolved	mg/L		0.05	0.08	0.11	0.08	0.09	4	0	0.08	0.11	0.09	0.0141421
Mercury, Dissolved	mg/L	0.002		<0.0002	<0.001	<0.001	<0.001	4	4	<0.0002	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	0.002	<0.001	4	3	<0.001	0.002	0.000875	0.00075
Silver, Dissolved	mg/L		0.1	<0.01	<0.005	<0.005	<0.005	4	4	<0.005	<0.01	<0.01	<0.01
Thorium 232, Dissolved	mg/L			<0.001	<0.005	<0.005	<0.005	4	4	<0.001	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		<0.0003	0.0003	<0.0003	<0.0003	4	3	<0.0003	0.0003	0.0001875	0.000075
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	0.1	4	3	<0.1	0.1	0.0625	0.025
Zinc, Dissolved	mg/L		5	<0.01	0.02	0.02	<0.01	4	2	<0.01	0.02	0.0125	0.0086603
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			NM	<0.001	0.001	<0.001	3	2	<0.001	0.001	0.0006667	0.0002887
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	4	4	<0.0003	<0.0003	<0.0003	<0.0003
Metals, Total													
Antimony, Total	mg/L	0.006		NM	NM	<0.003	<0.003	2	2	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		NM	NM	<0.001	0.003 d	2	1	<0.001	0.003	0.00175	0.0017678
Barium, Total	mg/L	2		NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	NM	NM	0.21	0.23	2	0	0.21	0.23	0.22	0.0141421
Lead, Total	mg/L			NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	NM	NM	0.08	0.09	2	0	0.08	0.09	0.085	0.0070711
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.0001	4	4	<0.0001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			NM	NM	<0.01	<0.1	2	2	<0.01	<0.1	<0.1	<0.1
Nickel, Total	mg/L			NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			NM	NM	1.6	1.6	2	0	1.6	1.6	1.6	0
Thallium, Total	mg/L	0.002		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		<0.0003	NM	<0.0003	<0.0003	3	3	<0.0003	<0.0003	<0.0003	<0.0003

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				8	8	8	8	Summary Statistics for Hydro ID 8					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/26/2007 2:33:00 PM	11/27/2007 4:30:00 PM	2/5/2008 10:20:00 AM	5/29/2008 11:41:00 AM						
Lab ID				R07090384 -003	R07110303 -005	R08020052 -001	R08050419 -003						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detects)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		5	8.7	5.4	3.2 j	4	0	3.2	8.7	5.575	2.2925604
Gross Beta, Dissolved	pCi/L			15.9	25	21	16.2	4	0	15.9	25	19.525	4.3338782
Gross Gamma, Dissolved	pCi/L			650	970	<20	0 j	4	1	<20	970	407.5	482.79568
Lead 210, Dissolved	pCi/L			<1	4	3	0.8 j	4	1	<1	4	2.075	1.6997549
Polonium 210, Dissolved	pCi/L			<1	<1	1.6	-0.2 j	4	2	<1	1.6	0.6	0.7438638
Radium 226, Dissolved	pCi/L	5		<0.2	2.7	1.5	1.2	4	1	<0.2	2.7	1.375	1.0688779
Thorium 230, Dissolved	pCi/L			<0.2	<0.2	<0.2	0.1 j	4	3	<0.2	0.1	0.1	0
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			<1	<1	1.9	4.9 j	4	2	<1	4.9	1.95	2.0744477
Polonium 210, Suspended	pCi/L			<1	<1	<1	-0.1 j	4	3	<1	-0.1	0.35	0.3
Radium 226, Suspended	pCi/L	5		3.5	<0.2	2.8	-0.4 j	4	1	<0.2	3.5	1.5	1.9373521
Thorium 230, Suspended	pCi/L			<0.2	<0.2	<0.2	0 j	4	3	<0.2	0	0.075	0.05
Radionuclides, Total													
Lead 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Polonium 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Radium 226, Total	pCi/L	5		3.5	NM	NM	NM	1	0	3.5	3.5	3.5	---
Radon 222, Total	pCi/L			NM	123	329 h	514	3	0	123	514	322	195.59397
Thorium 230, Total	pCi/L			<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Data Quality Parameters													
A/C Balance (± 5)	%			-2.44	-3.23	5.03	5.33	4	0	-3.23	5.33	1.1725	4.6403044
Anions	meq/l			15	14.8	13.1	14.3	4	0	13.1	15	14.3	0.8524475
Cations	meq/l			14.3	13.9	14.5	15.9	4	0	13.9	15.9	14.65	0.8698659
Solids, Total Dissolved Calculated	mg/L			962	939	879	973	4	0	879	973	938.25	41.963278
TDS Balance (0.80 - 1.20)	dec. %			1	1.12	1.15	0.97	4	0	0.97	1.15	1.06	0.0883176

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

Dewey-Burdock Hydro ID				13	13	13	13	13	Summary Statistics for Hydro ID 13					
Quarter Sampled				Initial	3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				10/3/2006 11:36:00 AM	9/27/2007 3:45:00 PM	11/12/2007 12:15:00 PM	2/20/2008 2:41:00 PM	5/19/2008 12:20:00 PM						
Lab ID				R06100076 -005	R07090385 -005	R07110146 -007	R08020220 -004	R08050251 -002						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters														
Field Conductivity	umhos/cm			NM	740	1257	1233	1282	4	0	740	1282	1128	259.4391
Field Dissolved Oxygen	mg/L			NM	0.35	1.42	3.01	1.28	4	0	0.35	3.01	1.515	1.104008
Field pH	s.u.		6.5-8.5	NM	7.86	7.96	8.14	7.85	4	0	7.85	8.14	7.9525	0.134505
Field Temperature	Deg C			10	NM	12.74	6.1	10.56	4	0	6.1	12.74	9.85	2.765333
Field Turbidity	NTUs			NM	NM	2.9	1.9	3	3	0	1.9	3	2.6	0.608276
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Physical Properties														
Conductivity @ 25 C	umhos/cm			1290	1280	1140	1330	1420	5	0	1140	1420	1292	101.341
Non-polar Materials (SGT-HEM)	mg/L			<5	NM	NM	NM	NM	1	1	<5	<5	<5	---
Oxidation-Reduction Potential	mV			NM	NM	230	200	260	3	0	200	260	230	30
pH, Laboratory	s.u.		6.5-8.5	7.93	7.83	7.75	8.05	7.96	5	0	7.75	8.05	7.904	0.116533
Sodium Adsorption Ratio (SAR)	unitless			NM	NM	4.7	4.9	4.7	3	0	4.7	4.9	4.8	0.11547
Solids, Total Dissolved TDS @ 180 C	mg/L		500	880	890	890	850	880	5	0	850	890	878	16.43168
Major Ions														
Alkalinity, Total as CaCO3	mg/L			170	168	142	160	156	5	0	142	170	159.2	11.18928
Bicarbonate as HCO3	mg/L			200	205	173	195	190	5	0	173	205	192.6	12.30041
Calcium, Dissolved	mg/L			61	57.4	61.3	58 d	72.4	5	0	57.4	72.4	62.02	6.058218
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	5	5	<5	<5	<5	<5
Chloride	mg/L		250	11	11	11	10	10	5	0	10	11	10.6	0.547723
Fluoride	mg/L	4	2	0.43	0.4	0.4	0.5	0.5	5	0	0.4	0.5	0.446	0.050794
Magnesium, Dissolved	mg/L			22	21	25.1	22.4	29.5	5	0	21	29.5	24	3.428557
Nitrogen, Ammonia as N	mg/L			0.2	0.6	0.1	<0.1	<0.1	5	2	<0.1	0.6	0.2	0.23184
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		NM	<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			9	11.3	11.7	11.8	11.5	5	0	9	11.8	11.06	1.167476
Silica	mg/L			NM	7.7	6.2	6.5	3.6	4	0	3.6	7.7	6	1.726268
Silicon as SiO2	mg/L			7	NM	NM	NM	NM	1	0	7	7	7	---
Sodium, Dissolved	mg/L			180	163 d	175 d	173 d	188 d	5	0	163	188	175.8	9.20326
Sulfate, Total	mg/L		250	460 d	488 d	520 d	499 d	442 d	5	0	442	520	481.8	31.03546
Metals, Dissolved														
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.01	<0.001	<0.001	<0.001	<0.001	5	5	<0.001	<0.01	<0.01	<0.01
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.001	<0.005	<0.005	<0.005	<0.005	5	5	<0.001	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.01	<0.05	<0.05	<0.05	<0.05	5	5	<0.01	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	5	5	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	<0.03	5	5	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.01	<0.001	<0.001	<0.001	<0.001	5	5	<0.001	<0.01	<0.01	<0.01
Manganese, Dissolved	mg/L		0.05	0.11	0.1	0.2	0.16	0.2	5	0	0.1	0.2	0.154	0.047749
Mercury, Dissolved	mg/L	0.002		NM	<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.005	<0.1	<0.1	<0.1	<0.1	5	5	<0.005	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.01	<0.05	<0.05	<0.05	<0.05	5	5	<0.01	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.005	<0.001	<0.001	<0.001	<0.005	5	5	<0.001	<0.005	<0.005	<0.005
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	5	5	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			NM	<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		<0.001	<0.0003	<0.0003	<0.0003	<0.0003	5	5	<0.0003	<0.001	<0.001	<0.001
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	0.04	<0.01	0.01	5	3	<0.01	0.04	0.013	0.015248
Metals, Dissolved, Speciated														
Selenium-IV, Dissolved	mg/L			NM	NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			NM	NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Metals, Suspended														
Uranium, Suspended	mg/L	0.03		NM	<0.0003	<0.0003	<0.0003	<0.0003	4	4	<0.0003	<0.0003	<0.0003	<0.0003
Metals, Total														
Antimony, Total	mg/L	0.006		NM	NM	NM	<0.003	<0.003	2	2	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		NM	NM	NM	<0.001	0.001	2	1	<0.001	0.001	0.00075	0.000354
Barium, Total	mg/L	2		NM	NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		NM	NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			NM	NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		NM	NM	NM	<0.005	<0.001	2	2	<0.001	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		NM	NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	NM	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	NM	NM	NM	3.11	4.56	2	0	3.11	4.56	3.835	1.025305
Lead, Total	mg/L			NM	NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	NM	NM	NM	0.16	0.2	2	0	0.16	0.2	0.18	0.028284
Mercury, Total	mg/L	0.002		<0.001	<0.0002	<0.001	<0.001	<0.0001	5	5	<0.0001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			NM	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Nickel, Total	mg/L			NM	NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		NM	NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	NM	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			NM	NM	NM	1.5	1.7	2	0	1.5	1.7	1.6	0.141421
Thallium, Total	mg/L	0.002		NM	NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		NM	NM	NM	<0.0003	<0.0003	2	2	<0.0003	<0.0003	<0.0003	<0.0003
Zinc, Total	mg/L		5	NM	NM	NM	0.07	0.04	2	0	0.04	0.07	0.055	0.021213
Radionuclides, Dissolved														
Actinium 228, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Americium 241, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Barium 133, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Bismuth 212, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Bismuth 214, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Cesium 134, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Cesium 137, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Cobalt 60, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Gross Alpha, Dissolved	pCi/L	15		12	8.9	7.5	19.5	4.2	5	0	4.2	19.5	10.42	5.798017
Gross Beta, Dissolved	pCi/L			17	9.6	11.7	11.4	10.3	5	0	9.6	17	12	2.91976
Gross Gamma, Dissolved	pCi/L			<20	<20	4300	<20	0 j	5	3	<20	4300	866	1919.669
Iodine 125, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Iodine 131, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Lead 210, Dissolved	pCi/L			NM	<1	<1	4.7	4.1 j	4	2	<1	4.7	2.45	2.26495
Lead 212, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Lead 214, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Manganese 54, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Polonium 210, Dissolved	pCi/L			NM	<1	2.6	1.1	-0.6 j	4	1	<1	2.6	0.9	1.334166
Potassium 40, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Radium 223, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Radium 224, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				13	13	13	13	13	Summary Statistics for Hydro ID 13					
Quarter Sampled				Initial	3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				10/3/2006 11:36:00 AM	9/27/2007 3:45:00 PM	11/12/2007 12:15:00 PM	2/20/2008 2:41:00 PM	5/19/2008 12:20:00 PM						
Lab ID				R06100076 -005	R07090385 -005	R07110146 -007	R08020220 -004	R08050251 -002						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Radium 226, Dissolved	pCi/L	5		2.1	1.8	1.6	1.1	1.6	5	0	1.1	2.1	1.64	0.364692
Radium 226, Dissolved E901.1	pCi/L	5		<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Radium 228, Dissolved	pCi/L			<1	NM	NM	NM	NM	1	1	<1	<1	<1	---
Radium 228, Dissolved E901.1	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Thallium 208, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Thorium 228, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Thorium 230, Dissolved	pCi/L			NM	0.4	<0.2	<0.2	0 j	4	2	<0.2	0.4	0.15	0.173205
Thorium 234, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Uranium 238, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Zinc 65, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Radionuclides, Suspended														
Lead 210, Suspended	pCi/L			NM	<1	<1	<1	-0.2 j	4	3	<1	-0.2 j	0.325	0.35
Polonium 210, Suspended	pCi/L			NM	5.2	<1	<1	0 j	4	2	<1	5.2	1.55	2.444722
Radium 226, Suspended	pCi/L	5		NM	<0.2	<0.2	1.6	0.01 j	4	2	<0.2	1.6	0.4525	0.766176
Thorium 230, Suspended	pCi/L			NM	<0.2	<0.2	0.4	0.2 j	4	2	<0.2	0.4	0.2	0.141421
Radionuclides, Total														
Lead 210, Total	pCi/L			NM	<1	NM	NM	NM	1	1	<1	<1	<1	---
Polonium 210, Total	pCi/L			NM	5.2	NM	NM	NM	1	0	5.2	5.2	5.2	---
Radium 226, Total	pCi/L	5		NM	1.1	NM	NM	NM	1	0	1.1	1.1	1.1	---
Radon 222, Total	pCi/L			335	NM	305	258	412	4	0	258	412	327.5	64.63487
Thorium 230, Total	pCi/L			NM	<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Data Quality Parameters														
A/C Balance (± 5)	%			NM	-1.26	-3.53	-4.96	6.97	4	0	-4.96	6.97	-0.695	5.332257
Anions	meq/l			NM	12.3	14	13.9	12.6	4	0	12.3	14	13.2	0.875595
Cations	meq/l			NM	12	13.1	12.6	14.5	4	0	12	14.5	13.05	1.066146
Solids, Total Dissolved Calculated	mg/L			NM	781	898	888	857	4	0	781	898	856	52.9591
TDS Balance (0.80 - 1.20)	dec. %			NM	1.14	0.99	0.96	1.02	4	0	0.96	1.14	1.0275	0.078899

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				16	16	16	16	16	Summary Statistics for Hydro ID 16					
Quarter Sampled				Initial	3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				10/3/2006 12:00:00 PM	9/27/2007 7:18:00 PM	11/12/2007 4:05:00 PM	3/30/2008 3:19:00 PM	6/30/2008 1:45:00 PM						
Lab ID				R06100076 -006	R07090385 -002	R07110146 -010	R08030315 -004	R08070005 -001						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters														
Field Conductivity	umhos/cm			NM	740	1016	917	1159	4	0	740	1159	958	176.0398
Field Dissolved Oxygen	mg/L			NM	0.27	NM	0.23	NM	2	0	0.23	0.27	0.25	0.028284
Field pH	s.u.		6.5-8.5	NM	7.13	NM	7.43	7.67	3	0	7.13	7.67	7.41	0.270555
Field Temperature	Deg C			11	NM	12.95	8.84	15.01	4	0	8.84	15.01	11.95	2.641855
Field Turbidity	NTUs			NM	NM	NM	0	1	2	0	0	1	0.5	0.707107
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Physical Properties														
Conductivity @ 25 C	umhos/cm			1260	1080	925	1050	1000	5	0	925	1260	1063	124.7798
Non-polar Materials (SGT-HEM)	mg/L			<5	NM	NM	NM	NM	1	1	<5	<5	<5	---
Oxidation-Reduction Potential	mV			NM	NM	240	200	230	3	0	200	240	223.3333	20.81666
pH, Laboratory	s.u.		6.5-8.5	7.44	7.43	7.48	7.57	7.38	5	0	7.38	7.57	7.46	0.071063
Sodium Adsorption Ratio (SAR)	unitless			NM	NM	0.94	0.96	0.93	3	0	0.93	0.96	0.943333	0.015275
Solids, Total Dissolved TDS @ 180 C	mg/L		500	940	810	760	780	780	5	0	760	940	814	72.66361
Major Ions														
Alkalinity, Total as CaCO3	mg/L			160	158	148	148	150	5	0	148	160	152.8	5.761944
Bicarbonate as HCO3	mg/L			200	193	180	180	183	5	0	180	200	187.2	8.927486
Calcium, Dissolved	mg/L			140	108 d	103	113	125	5	0	103	140	117.8	14.85598
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	5	5	<5	<5	<5	<5
Chloride	mg/L		250	6.2	5	5	5	4	5	0	4	6.2	5.04	0.779744
Fluoride	mg/L	4	2	0.37	0.4	0.4	0.4	0.5	5	0	0.37	0.5	0.414	0.0498
Magnesium, Dissolved	mg/L			55	40.7	39.4	46.8	47	5	0	39.4	55	45.78	6.205804
Nitrogen, Ammonia as N	mg/L			<0.1	0.4	<0.1	<0.1	<0.1	5	4	<0.1	0.4	0.12	0.156525
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	0.2	<0.1	<0.1	5	4	<0.1	0.2	0.08	0.067082
Nitrogen, Nitrite as N	mg/L	1		NM	<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			16	16.6	16	15.1	16.7	5	0	15.1	16.7	16.08	0.637966
Silica	mg/L			NM	7.3	6.5	7	3.9	4	0	3.9	7.3	6.175	1.552149
Silicon as SiO2	mg/L			7	NM	NM	NM	NM	1	0	7	7	7	---
Sodium, Dissolved	mg/L			53	44 d	44.1 d	48	48 d	5	0	44	53	47.42	3.692154
Sulfate, Total	mg/L		250	522 d	448 d	428 d	449 d	401 d	5	0	401	522	449.6	44.92549
Metals, Dissolved														
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.01	0.001	<0.001	<0.001	0.001	5	3	<0.001	0.001	0.0016	0.001917
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			0.12	<0.1	<0.1	<0.1	<0.1	5	4	<0.1	0.12	0.064	0.031305
Cadmium, Dissolved	mg/L	0.005		<0.001	<0.005	<0.005	<0.005	<0.005	5	5	<0.001	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.01	<0.05	<0.05	<0.05	<0.05	5	5	<0.01	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	5	5	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	<0.03	5	5	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.01	<0.001	<0.001	<0.001	<0.001	5	5	<0.001	<0.01	<0.01	<0.01
Manganese, Dissolved	mg/L		0.05	0.19	0.16	<0.01	0.13	0.14	5	1	<0.01	0.19	0.125	0.070887
Mercury, Dissolved	mg/L	0.002		NM	<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.005	<0.1	<0.1	<0.1	<0.1	5	5	<0.005	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.01	<0.05	<0.05	<0.05	<0.05	5	5	<0.01	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.005	<0.001	<0.001	<0.001	<0.001	5	5	<0.001	<0.005	<0.005	<0.005
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	5	5	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			NM	<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.002	0.0021	0.0007	0.0007	<0.0003	5	1	<0.0003	0.0021	0.00113	0.00087
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	0.04	0.04	0.06	0.01	0.02	5	0	0.01	0.06	0.034	0.019494
Metals, Dissolved, Speciated														
Selenium-IV, Dissolved	mg/L			NM	NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			NM	NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Metals, Suspended														
Uranium, Suspended	mg/L	0.03		NM	<0.0003	<0.0003	<0.0003	<0.0003	4	4	<0.0003	<0.0003	<0.0003	<0.0003
Metals, Total														
Antimony, Total	mg/L	0.006		NM	NM	NM	<0.003	<0.003	2	2	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		NM	NM	NM	0.004 d	<0.002	2	1	<0.002	0.004	0.0025	0.002121
Barium, Total	mg/L	2		NM	NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		NM	NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			NM	NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		NM	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		NM	NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	NM	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	NM	NM	NM	0.25	0.26	2	0	0.25	0.26	0.255	0.007071
Lead, Total	mg/L			NM	NM	NM	<0.001	<0.003	2	2	<0.001	<0.003	<0.003	<0.003
Manganese, Total	mg/L		0.05	NM	NM	NM	0.14	0.13	2	0	0.13	0.14	0.135	0.007071
Mercury, Total	mg/L	0.002		<0.001	<0.0002	<0.001	<0.001	<0.0002	5	5	<0.0002	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			NM	NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			NM	NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		NM	NM	NM	<0.001	0.002 d	2	1	<0.001	0.002	0.00125	0.001061
Silver, Total	mg/L		0.1	NM	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			NM	NM	NM	2.7	2.7	2	0	2.7	2.7	2.7	0
Thallium, Total	mg/L	0.002		NM	NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		NM	NM	NM	0.0007	<0.0003	2	1	<0.0003	0.0007	0.000425	0.000389
Zinc, Total	mg/L		5	NM	NM	NM	0.02	<0.03	2	1	<0.03	0.02	0.0175	0.003536
Radionuclides, Dissolved														
Actinium 228, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Americium 241, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Barium 133, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Bismuth 212, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Bismuth 214, Dissolved	pCi/L			770	NM	NM	NM	NM	1	0	770	770	770	---
Cesium 134, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Cesium 137, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Cobalt 60, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Gross Alpha, Dissolved	pCi/L	15		110	62.7	12.2	85.7	28.3	5	0	12.2	110	59.78	40.17856
Gross Beta, Dissolved	pCi/L			50	33.1	24	47.2	19.3	5	0	19.3	50	34.72	13.6432
Gross Gamma, Dissolved	pCi/L			1600	<20	2300	600	760	5	1	<20	2300	1054	899.0439
Iodine 125, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Iodine 131, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Lead 210, Dissolved	pCi/L			NM	<1	2.2	-27 j	2 j	4	1	<1	2.2	-5.575	14.30347
Lead 212, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Lead 214, Dissolved	pCi/L			810	NM	NM	NM	NM	1	0	810	810	810	---
Manganese 54, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Polonium 210, Dissolved	pCi/L			NM	<1	<1	0.2 j	0 j	4	2	<1	0.2	0.3	0.244949
Potassium 40, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Radium 223, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Radium 224, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				16	16	16	16	16	Summary Statistics for Hydro ID 16					
Quarter Sampled				Initial	3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				10/3/2006 12:00:00 PM	9/27/2007 7:18:00 PM	11/12/2007 4:05:00 PM	3/30/2008 3:19:00 PM	6/30/2008 1:45:00 PM						
Lab ID				R06100076 -006	R07090385 -002	R07110146 -010	R08030315 -004	R08070005 -001						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Radium 226, Dissolved	pCi/L	5		33.6	26.2	8.1	15.3	6.4	5	0	6.4	33.6	17.92	11.7306
Radium 226, Dissolved E901.1	pCi/L	5		770	NM	NM	NM	NM	1	0	770	770	770	---
Radium 228, Dissolved	pCi/L			<1	NM	NM	NM	NM	1	1	<1	<1	<1	---
Radium 228, Dissolved E901.1	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Thallium 208, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Thorium 228, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Thorium 230, Dissolved	pCi/L			NM	0.3	<0.2	0.2 j	0 j	4	1	<0.2	0.3	0.15	0.129099
Thorium 234, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Uranium 238, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Zinc 65, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Radionuclides, Suspended														
Lead 210, Suspended	pCi/L			NM	<1	1.2	0 j	-0.4 j	4	1	<1	1.2	0.325	0.689807
Polonium 210, Suspended	pCi/L			NM	<1	<1	0.8 j	0 j	4	2	<1	0.8	0.45	0.331662
Radium 226, Suspended	pCi/L	5		NM	<0.2	<0.2	1.4	-0.3 j	4	2	<0.2	1.4	0.325	0.741058
Thorium 230, Suspended	pCi/L			NM	<0.2	<0.2	0.1 j	0 j	4	2	<0.2	0.1	0.075	0.05
Radionuclides, Total														
Lead 210, Total	pCi/L			NM	<1	NM	NM	NM	1	1	<1	<1	<1	---
Polonium 210, Total	pCi/L			NM	<1	NM	NM	NM	1	1	<1	<1	<1	---
Radium 226, Total	pCi/L	5		NM	17.4	NM	NM	NM	1	0	17.4	17.4	17.4	---
Radon 222, Total	pCi/L			39000	NM	1090	28200	3150	4	0	1090	39000	17860	18721.04
Thorium 230, Total	pCi/L			NM	<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Data Quality Parameters														
A/C Balance (± 5)	%			NM	-2.85	-1.55	-2	4.63	4	0	-2.85	4.63	-0.4425	3.424358
Anions	meq/l			NM	11.8	11	12.5	11.5	4	0	11	12.5	11.7	0.627163
Cations	meq/l			NM	11.1	10.7	12	12.6	4	0	10.7	12.6	11.6	0.860233
Solids, Total Dissolved Calculated	mg/L			NM	715	686	786	743	4	0	686	786	732.5	42.58717
TDS Balance (0.80 - 1.20)	dec. %			NM	1.14	1.11	0.99	1.04	4	0	0.99	1.14	1.07	0.067823

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				18	18	18	18	18	Summary Statistics for Hydro ID 18					
Quarter Sampled				Initial	3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				10/3/2006 10:07:00 AM	9/26/2007 10:39:00 AM	11/12/2007 10:15:00 AM	2/12/2008 11:08:00 AM	5/30/2008 11:12:00 AM						
Lab ID				R06100076 -001	R07090384 -001	R07110146 -004	R08020130 -003	R08050427 -001						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters														
Field Conductivity	umhos/cm			NM	1157	1408	1446	1413	4	0	1157	1446	1356	133.7336
Field Dissolved Oxygen	mg/L			NM	0.86	1.76	NM	NM	2	0	0.86	1.76	1.31	0.636396
Field pH	s.u.		6.5-8.5	NM	8.11	8.28	8.07	8.14	4	0	8.07	8.28	8.15	0.091287
Field Temperature	Deg C			11	NM	12.58	12.02	12.26	4	0	11	12.58	11.965	0.683008
Field Turbidity	NTUs			NM	NM	1.7	0.1	0.4	3	0	0.1	1.7	0.73	0.85049
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Physical Properties														
Conductivity @ 25 C	umhos/cm			1430	1430	1360	1450	1470	5	0	1360	1470	1428	41.47288
Non-polar Materials (SGT-HEM)	mg/L			<5	NM	NM	NM	NM	1	1	<5	<5	<5	---
Oxidation-Reduction Potential	mV			NM	NM	80	130	200	3	0	80	200	137	60.27714
pH, Laboratory	s.u.		6.5-8.5	8.11	8.09	8.02	8.11	8.1	5	0	8.02	8.11	8.086	0.037815
Sodium Adsorption Ratio (SAR)	unitless			NM	NM	11	10	10	3	0	10	11	10.3	0.57735
Solids, Total Dissolved TDS @ 180 C	mg/L		500	950	990	960	960	940	5	0	940	990	960	18.70829
Major Ions														
Alkalinity, Total as CaCO3	mg/L			180	184	176	180	180	5	0	176	184	180	2.828427
Bicarbonate as HCO3	mg/L			220	224	215	219	219	5	0	215	224	219.4	3.209361
Calcium, Dissolved	mg/L			34	31.8	33	34	38	5	0	31.8	38	34.16	2.329807
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	5	5	<5	<5	<5	<5
Chloride	mg/L		250	14	13	13	14	12	5	0	12	14	13.2	0.83666
Fluoride	mg/L	4	2	0.38	0.4	0.4	0.5	0.4	5	0	0.38	0.5	0.416	0.047749
Magnesium, Dissolved	mg/L			12	11.3	11.6	12.2	13.4	5	0	11.3	13.4	12.1	0.806226
Nitrogen, Ammonia as N	mg/L			0.2	0.2	0.2	0.2	0.1	5	0	0.1	0.2	0.18	0.044721
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		NM	<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			7	7.2	7	7.3	6.9	5	0	6.9	7.3	7.08	0.164317
Silica	mg/L			NM	7.5	7.3	7.8	4.2	4	0	4.2	7.8	6.7	1.679286
Silicon as SiO2	mg/L			7	NM	NM	NM	NM	1	0	7	7	7	---
Sodium, Dissolved	mg/L			260	278 d	280 d	270 d	291 d	5	0	260	291	275.8	11.58447
Sulfate, Total	mg/L		250	481 d	513 d	534 d	537	492 d	5	0	481	537	511.4	24.84552
Metals, Dissolved														
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.01	0.002	0.001	0.001	0.001	5	1	<0.01	0.002	0.002	0.001732
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.001	<0.01	<0.005	<0.005	<0.005	5	5	<0.001	<0.01	<0.01	<0.01
Chromium, Dissolved	mg/L	0.1		<0.01	<0.05	<0.05	<0.05	<0.05	5	5	<0.01	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	5	5	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	<0.03	5	5	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.01	<0.05	<0.001	<0.001	<0.001	5	5	<0.001	<0.05	<0.05	<0.05
Manganese, Dissolved	mg/L		0.05	0.06	0.06	0.06	0.07	0.06	5	0	0.06	0.07	0.062	0.004472
Mercury, Dissolved	mg/L	0.002		NM	<0.0002	<0.001	<0.001	<0.001	4	4	<0.0002	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.005	<0.1	<0.1	<0.1	<0.1	5	5	<0.005	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			0.03	<0.05	<0.05	<0.05	<0.05	5	4	<0.05	0.03	0.026	0.002236
Selenium, Dissolved	mg/L	0.05		<0.005	<0.001	<0.001	<0.001	<0.001	5	5	<0.001	<0.005	<0.005	<0.005
Silver, Dissolved	mg/L		0.1	<0.005	<0.01	<0.005	<0.005	<0.005	5	5	<0.005	<0.01	<0.01	<0.01
Thorium 232, Dissolved	mg/L			NM	<0.001	<0.005	<0.005	<0.005	4	4	<0.001	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.007	0.0061	0.0066	0.0066	0.0059	5	0	0.0059	0.007	0.00644	0.000439
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	5	5	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated														
Selenium-IV, Dissolved	mg/L			NM	NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			NM	NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Metals, Suspended														
Uranium, Suspended	mg/L	0.03		NM	0.0017	<0.0003	<0.0003	<0.0003	4	3	<0.0003	0.0017	0.0005	0.000775
Metals, Total														
Antimony, Total	mg/L	0.006		NM	NM	NM	<0.003	<0.003	2	2	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		NM	NM	NM	0.002	0.003 d	2	0	0.002	0.003	0.0025	0.000707
Barium, Total	mg/L	2		NM	NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		NM	NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			NM	NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		NM	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		NM	NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	NM	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	NM	NM	NM	1.04	1.11	2	0	1.04	1.11	1.075	0.049497
Lead, Total	mg/L			NM	NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	NM	NM	NM	0.06	0.06	2	0	0.06	0.06	0.06	0
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.0001	5	5	<0.0001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			NM	NM	NM	<0.01	<0.1	2	2	<0.01	<0.1	<0.1	<0.1
Nickel, Total	mg/L			NM	NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		NM	NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	NM	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			NM	NM	NM	0.6	0.7	2	0	0.6	0.7	0.65	0.070711
Thallium, Total	mg/L	0.002		NM	NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		NM	0.008	NM	0.0062 d	0.0062	3	0	0.0062	0.008	0.0068	0.001039
Zinc, Total	mg/L		5	NM	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Radionuclides, Dissolved														
Actinium 228, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Americium 241, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Barium 133, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Bismuth 212, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Bismuth 214, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Cesium 134, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Cesium 137, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Cobalt 60, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Gross Alpha, Dissolved	pCi/L	15		37	15.7	18.9	31.7	27.5	5	0	15.7	37	26.16	8.833346
Gross Beta, Dissolved	pCi/L			14	6.7	12.1	13	4.8	5	0	4.8	14	10.12	4.100854
Gross Gamma, Dissolved	pCi/L			<20	510	370	190	0 j	5	1	<20	510	216	223.5621
Iodine 125, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Iodine 131, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Lead 210, Dissolved	pCi/L			NM	<1	4.6	<1	-1 j	4	2	<1	4.6	1.15	2.406242
Lead 212, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Lead 214, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Manganese 54, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Polonium 210, Dissolved	pCi/L			NM	<1	<1	2.2	0 j	4	2	<1	2.2	0.8	0.962635
Potassium 40, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Radium 223, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Radium 224, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				18	18	18	18	18	Summary Statistics for Hydro ID 18					
Quarter Sampled				Initial	3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				10/3/2006 10:07:00 AM	9/26/2007 10:39:00 AM	11/12/2007 10:15:00 AM	2/12/2008 11:08:00 AM	5/30/2008 11:12:00 AM						
Lab ID				R06100076 -001	R07090384 -001	R07110146 -004	R08020130 -003	R08050427 -001						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Radium 226, Dissolved	pCi/L	5		5.8	<0.2	3.2	3.2	2.6	5	1	<0.2	5.8	2.98	2.030271
Radium 226, Dissolved E901.1	pCi/L	5		<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Radium 228, Dissolved	pCi/L			2.3	NM	NM	NM	NM	1	0	2.3	2.3	2.3	---
Radium 228, Dissolved E901.1	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Thallium 208, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Thorium 228, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Thorium 230, Dissolved	pCi/L			NM	<0.2	<0.2	0.2	0 j	4	2	<0.2	0.2	0.1	0.08165
Thorium 234, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Uranium 238, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Zinc 65, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Radionuclides, Suspended														
Lead 210, Suspended	pCi/L			NM	<1	<1	<1	29.6	4	3	<1	29.6	7.775	14.55
Polonium 210, Suspended	pCi/L			NM	6	<1	<1	1.7	4	2	<1	6	2.175	2.611992
Radium 226, Suspended	pCi/L	5		NM	4	<0.2	1.1	1.1	4	1	<0.2	4	1.575	1.683993
Thorium 230, Suspended	pCi/L			NM	<0.2	<0.2	<0.2	0.1 j	4	3	<0.2	0.1	0.1	0
Radionuclides, Total														
Lead 210, Total	pCi/L			NM	<1	NM	NM	NM	1	1	<1	<1	<1	---
Polonium 210, Total	pCi/L			NM	6	NM	NM	NM	1	0	6	6	6	---
Radium 226, Total	pCi/L	5		NM	4	NM	NM	NM	1	0	4	4	4	---
Radon 222, Total	pCi/L			762	NM	945	1220 h	1210	4	0	762	1220	1034.25	221.7181
Thorium 230, Total	pCi/L			NM	<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Data Quality Parameters														
A/C Balance (± 5)	%			NM	0.211	-0.239	-1.77	5.45	4	0	-1.77	5.45	0.913	3.141272
Anions	meq/l			NM	14.7	15	15.2	14.2	4	0	14.2	15.2	14.775	0.434933
Cations	meq/l			NM	14.8	15	14.7	15.8	4	0	14.7	15.8	15.075	0.499166
Solids, Total Dissolved Calculated	mg/L			NM	965	994	1000	973	4	0	965	1000	983	16.67333
TDS Balance (0.80 - 1.20)	dec. %			NM	1.03	0.97	0.96	0.96	4	0	0.96	1.03	0.98	0.033665

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				41	Summary Statistics for Hydro ID 41					
Month Sampled				Initial						
Date and Time Collected				10/3/2006 10:49:00 AM						
Lab ID				R06100076 -003						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters										
Field Conductivity	umhos/cm			NM	NM	NM	NM	NM	NM	NM
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	NM	NM	NM	NM	NM	NM	NM
Field Temperature	Deg C			10	1	0	10	10	10	---
Field Turbidity	NTUs			NM	NM	NM	NM	NM	NM	NM
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM
Physical Properties										
Conductivity @ 25 C	umhos/cm			1380	1	0	1380	1380	1380	---
Non-polar Materials (SGT-HEM)	mg/L			<5	1	1	<5	<5	<5	---
pH, Laboratory	s.u.		6.5-8.5	7.92	1	0	7.92	7.92	7.92	---
Solids, Total Dissolved TDS @ 180 C	mg/L		500	910	1	0	910	910	910	---
Major Ions										
Alkalinity, Total as CaCO3	mg/L			180	1	0	180	180	180	---
Bicarbonate as HCO3	mg/L			220	1	0	220	220	220	---
Calcium, Dissolved	mg/L			41	1	0	41	41	41	---
Carbonate as CO3	mg/L			<5	1	1	<5	<5	<5	---
Chloride	mg/L		250	14	1	0	14	14	14	---
Fluoride	mg/L	4	2	0.37	1	0	0.37	0.37	0.37	---
Magnesium, Dissolved	mg/L			16	1	0	16	16	16	---
Nitrogen, Ammonia as N	mg/L			0.2	1	0	0.2	0.2	0.2	---
Nitrogen, Nitrate as N	mg/L	10		<0.1	1	1	<0.1	<0.1	<0.1	---
Potassium, Dissolved	mg/L			8	1	0	8	8	8	---
Silicon as SiO2	mg/L			7	1	0	7	7	7	---
Sodium, Dissolved	mg/L			230	1	0	230	230	230	---
Sulfate, Total	mg/L		250	458 d	1	0	458	458	458	---
Metals, Dissolved										
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	1	1	<0.1	<0.1	<0.1	---
Arsenic, Dissolved	mg/L	0.01		<0.01	1	1	<0.01	<0.01	<0.01	---
Barium, Dissolved	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Boron, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Cadmium, Dissolved	mg/L	0.005		<0.001	1	1	<0.001	<0.001	<0.001	---
Chromium, Dissolved	mg/L	0.1		<0.01	1	1	<0.01	<0.01	<0.01	---
Copper, Dissolved	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Dissolved	mg/L		0.3	<0.03	1	1	<0.03	<0.03	<0.03	---
Lead, Dissolved	mg/L			<0.01	1	1	<0.01	<0.01	<0.01	---
Manganese, Dissolved	mg/L		0.05	0.1	1	0	0.1	0.1	0.1	---
Molybdenum, Dissolved	mg/L			<0.005	1	1	<0.005	<0.005	<0.005	---
Nickel, Dissolved	mg/L			0.02	1	0	0.02	0.02	0.02	---
Selenium, Dissolved	mg/L	0.05		<0.005	1	1	<0.005	<0.005	<0.005	---
Silver, Dissolved	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Uranium, Dissolved	mg/L	0.03		0.007	1	0	0.007	0.007	0.007	---
Vanadium, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Zinc, Dissolved	mg/L		5	0.01	1	0	0.01	0.01	0.01	---
Metals, Total										
Mercury, Total	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Radionuclides, Dissolved										
Actinium 228, Dissolved	pCi/L			<20	1	1	<20	<20	<20	---
Americium 241, Dissolved	pCi/L			<20	1	1	<20	<20	<20	---
Barium 133, Dissolved	pCi/L			<20	1	1	<20	<20	<20	---
Bismuth 212, Dissolved	pCi/L			<20	1	1	<20	<20	<20	---
Bismuth 214, Dissolved	pCi/L			210	1	0	210	210	210	---
Cesium 134, Dissolved	pCi/L			<20	1	1	<20	<20	<20	---
Cesium 137, Dissolved	pCi/L			<20	1	1	<20	<20	<20	---
Cobalt 60, Dissolved	pCi/L			<20	1	1	<20	<20	<20	---
Gross Alpha, Dissolved	pCi/L	15		88	1	0	88	88	88	---
Gross Beta, Dissolved	pCi/L			32	1	0	32	32	32	---
Gross Gamma, Dissolved	pCi/L			410	1	0	410	410	410	---
Iodine 125, Dissolved	pCi/L			<20	1	1	<20	<20	<20	---
Iodine 131, Dissolved	pCi/L			<20	1	1	<20	<20	<20	---
Lead 212, Dissolved	pCi/L			<20	1	1	<20	<20	<20	---
Lead 214, Dissolved	pCi/L			190	1	0	190	190	190	---
Manganese 54, Dissolved	pCi/L			<20	1	1	<20	<20	<20	---
Potassium 40, Dissolved	pCi/L			<20	1	1	<20	<20	<20	---
Radium 223, Dissolved	pCi/L			<20	1	1	<20	<20	<20	---
Radium 224, Dissolved	pCi/L			<20	1	1	<20	<20	<20	---
Radium 226, Dissolved	pCi/L	5		16.5	1	0	16.5	16.5	16.5	---
Radium 226, Dissolved E901.1	pCi/L	5		210	1	0	210	210	210	---
Radium 228, Dissolved	pCi/L			<1	1	1	<1	<1	<1	---
Radium 228, Dissolved E901.1	pCi/L			<20	1	1	<20	<20	<20	---
Thallium 208, Dissolved	pCi/L			<20	1	1	<20	<20	<20	---
Thorium 228, Dissolved	pCi/L			<20	1	1	<20	<20	<20	---
Thorium 234, Dissolved	pCi/L			<20	1	1	<20	<20	<20	---

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				41	Summary Statistics for Hydro ID 41					
Month Sampled				Initial						
Date and Time Collected				10/3/2006 10:49:00 AM						
Lab ID				R06100076 -003						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Uranium 238, Dissolved	pCi/L			<20	1	1	<20	<20	<20	---
Zinc 65, Dissolved	pCi/L			<20	1	1	<20	<20	<20	---
Radionuclides, Total										
Radon 222, Total	pCi/L			9670	1	0	9670	9670	9670	---

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				42	42	42	42	42	Summary Statistics for Hydro ID 42					
Quarter Sampled				Initial	3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				10/3/2006 10:18:00 AM	9/28/2007 11:34:00 AM	11/12/2007 11:20:00 AM	2/5/2008 2:10:00 PM	5/30/2008 11:55:00 AM						
Lab ID				R06100076 -002	R07100002 -003	R07110146 -006	R08020052 -004	R08050427 -002						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters														
Field Conductivity	umhos/cm			NM	1079	1393	1463	1392	4	0	1079	1463	1331.75	171.7467
Field Dissolved Oxygen	mg/L			NM	NM	1.32	5.25	NM	2	0	1.32	5.25	3.285	2.77893
Field pH	s.u.		6.5-8.5	NM	7.82	8.03	8.14	8.01	4	0	7.82	8.14	8	0.132916
Field Temperature	Deg C			12	NM	12.58	0.75	12.2	4	0	0.75	12.58	9.3825	5.760025
Field Turbidity	NTUs			NM	NM	0.5	0.5	0.2	3	0	0.2	0.5	0.4	0.173205
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Physical Properties														
Conductivity @ 25 C	umhos/cm			1410	1390	1310	1420	1510	5	0	1310	1510	1408	71.55418
Non-polar Materials (SGT-HEM)	mg/L			<5	NM	NM	NM	NM	1	1	<5	<5	<5	---
Oxidation-Reduction Potential	mV			NM	NM	240	170	200	3	0	170	240	203.3333	35.11885
pH, Laboratory	s.u.		6.5-8.5	8.01	8.02	7.95	8.08	8.05	5	0	7.95	8.08	8.022	0.048683
Sodium Adsorption Ratio (SAR)	unitless			NM	NM	10	11	9.7	3	0	9.7	11	10.23333	0.680686
Solids, Total Dissolved TDS @ 180 C	mg/L		500	940	960	940	980	930	5	0	930	980	950	20
Major Ions														
Alkalinity, Total as CaCO3	mg/L			180	180	174	180	176	5	0	174	180	178	2.828427
Bicarbonate as HCO3	mg/L			220	219	212	219	215	5	0	212	220	217	3.391165
Calcium, Dissolved	mg/L			35	30 d	34	35.3	39.4	5	0	30	39.4	34.74	3.358273
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	5	5	<5	<5	<5	<5
Chloride	mg/L		250	14	12	13	12	11	5	0	11	14	12.4	1.140175
Fluoride	mg/L	4	2	0.39	0.4	0.4	0.4	0.4	5	0	0.39	0.4	0.398	0.004472
Magnesium, Dissolved	mg/L			12	9.4	11.8	12.3	13.5	5	0	9.4	13.5	11.8	1.494992
Nitrogen, Ammonia as N	mg/L			0.2	0.1	0.1	0.1	0.1	5	0	0.1	0.2	0.12	0.044721
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	0.2	<0.1	<0.1	5	4	<0.1	0.2	0.08	0.067082
Nitrogen, Nitrite as N	mg/L	1		NM	<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			7	7.1	7.2	7.8	6.8	5	0	6.8	7.8	7.18	0.376829
Silica	mg/L			NM	7.1	7.2	7.4	4.1	4	0	4.1	7.4	6.45	1.571623
Silicon as SiO2	mg/L			7	NM	NM	NM	NM	1	0	7	7	7	---
Sodium, Dissolved	mg/L			250	242 d	270 d	289 l	277 d	5	0	242	289	265.6	19.34683
Sulfate, Total	mg/L		250	473 d	505 d	519 d	505 d	466 d	5	0	466	519	493.6	22.86482
Metals, Dissolved														
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.01	<0.001	<0.001	0.001	<0.001	5	4	<0.001	0.001	0.0015	0.001969
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	0.1	<0.1	5	4	<0.1	0.1	0.06	0.022361
Cadmium, Dissolved	mg/L	0.005		<0.001	<0.005	<0.005	<0.005	<0.005	5	5	<0.001	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.01	<0.05	<0.05	<0.05	<0.05	5	5	<0.01	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	5	5	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	<0.03	5	5	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.01	<0.001	<0.001	<0.001	<0.001	5	5	<0.001	<0.01	<0.01	<0.01
Manganese, Dissolved	mg/L		0.05	0.08	0.06	0.08	0.09	0.08	5	0	0.06	0.09	0.078	0.010954
Mercury, Dissolved	mg/L	0.002		NM	<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.005	<0.1	<0.1	<0.1	<0.1	5	5	<0.005	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			0.02	<0.05	<0.05	<0.05	<0.05	5	4	<0.05	0.02	0.024	0.002236
Selenium, Dissolved	mg/L	0.05		<0.005	<0.001	<0.001	0.001	<0.001	5	4	<0.001	0.001	0.001	0.000866
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	5	5	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			NM	<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.04	0.015	0.0324	0.0194	0.0142	5	0	0.0142	0.04	0.0242	0.011452
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	5	5	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	0.01	0.03	0.02	0.02	5	1	<0.01	0.03	0.017	0.009747
Metals, Dissolved, Speciated														
Selenium-IV, Dissolved	mg/L			NM	NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			NM	NM	<0.001	0.001	<0.001	3	2	<0.001	0.001	0.000667	0.000289
Metals, Suspended														
Uranium, Suspended	mg/L	0.03		NM	0.0029	<0.0003	<0.0003	<0.0003	4	3	<0.0003	0.0029	0.000838	0.001375
Metals, Total														
Antimony, Total	mg/L	0.006		NM	NM	NM	<0.003	<0.003	2	2	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		NM	NM	NM	0.002	0.004 d	2	0	0.002	0.004	0.003	0.001414
Barium, Total	mg/L	2		NM	NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		NM	NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			NM	NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		NM	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		NM	NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	NM	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	NM	NM	NM	0.15	0.16	2	0	0.15	0.16	0.155	0.007071
Lead, Total	mg/L			NM	NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	NM	NM	NM	0.08	0.08	2	0	0.08	0.08	0.08	0
Mercury, Total	mg/L	0.002		<0.001	<0.0002	<0.001	<0.001	<0.0001	5	5	<0.0001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			NM	NM	NM	<0.01	<0.1	2	2	<0.01	<0.1	<0.1	<0.1
Nickel, Total	mg/L			NM	NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		NM	NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	NM	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			NM	NM	NM	0.7	0.7	2	0	0.7	0.7	0.7	0
Thallium, Total	mg/L	0.002		NM	NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		NM	NM	NM	0.0198	0.0149	2	0	0.0149	0.0198	0.01735	0.003465
Zinc, Total	mg/L		5	NM	NM	NM	0.03	0.02	2	0	0.02	0.03	0.025	0.007071
Radionuclides, Dissolved														
Actinium 228, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Americium 241, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Barium 133, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Bismuth 212, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Bismuth 214, Dissolved	pCi/L			1600	NM	NM	NM	NM	1	0	1600	1600	1600	---
Cesium 134, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Cesium 137, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Cobalt 60, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Gross Alpha, Dissolved	pCi/L	15		560	371	375	526	558	5	0	371	560	478	96.80651
Gross Beta, Dissolved	pCi/L			110	122	173	93.5	159	5	0	93.5	173	131.5	33.44772
Gross Gamma, Dissolved	pCi/L			3400	1300	70000	2800	150	5	0	150	70000	15530	30476.25
Iodine 125, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Iodine 131, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Lead 210, Dissolved	pCi/L			NM	<1	21	15	17.8	4	1	<1	21	13.575	9.054787
Lead 212, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Lead 214, Dissolved	pCi/L			1800	NM	NM	NM	NM	1	0	1800	1800	1800	---
Manganese 54, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Polonium 210, Dissolved	pCi/L			NM	<1	<1	5.5	1.6	4	2	<1	5.5	2.025	2.373991
Potassium 40, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Radium 223, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Radium 224, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				42	42	42	42	42	Summary Statistics for Hydro ID 42					
Quarter Sampled				Initial	3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				10/3/2006 10:18:00 AM	9/28/2007 11:34:00 AM	11/12/2007 11:20:00 AM	2/5/2008 2:10:00 PM	5/30/2008 11:55:00 AM						
Lab ID				R06100076 -002	R07100002 -003	R07110146 -006	R08020052 -004	R08050427 -002						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Radium 226, Dissolved	pCi/L	5		87.6	96.5	102	100	100	5	0	87.6	102	97.22	5.730794
Radium 226, Dissolved E901.1	pCi/L	5		1600	NM	NM	NM	NM	1	0	1600	1600	1600	---
Radium 228, Dissolved	pCi/L			<1	NM	NM	NM	NM	1	1	<1	<1	<1	---
Radium 228, Dissolved E901.1	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Thallium 208, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Thorium 228, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Thorium 230, Dissolved	pCi/L			NM	<0.2	0.5	<0.2	0.1 j	4	2	<0.2	0.5	0.2	0.2
Thorium 234, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Uranium 238, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Zinc 65, Dissolved	pCi/L			<20	NM	NM	NM	NM	1	1	<20	<20	<20	---
Radionuclides, Suspended														
Lead 210, Suspended	pCi/L			NM	57	<1	17	14	4	1	<1	57	22.125	24.33233
Polonium 210, Suspended	pCi/L			NM	13	1.1	2	0.3 j	4	0	0.3	13	4.1	5.973832
Radium 226, Suspended	pCi/L	5		NM	<0.2	<0.2	5.1	-0.3 j	4	2	<0.2	5.1	1.25	2.573584
Thorium 230, Suspended	pCi/L			NM	<0.2	0.2	<0.2	0 j	4	2	<0.2	0.2	0.1	0.08165
Radionuclides, Total														
Lead 210, Total	pCi/L			NM	57	NM	NM	NM	1	0	57	57	57	---
Polonium 210, Total	pCi/L			NM	13	NM	NM	NM	1	0	13	13	13	---
Radium 226, Total	pCi/L	5		NM	79.7	NM	NM	NM	1	0	79.7	79.7	79.7	---
Radon 222, Total	pCi/L			197000	NM	132000	175000 h	219000	4	0	132000	219000	180750	37133.77
Thorium 230, Total	pCi/L			NM	<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Data Quality Parameters														
A/C Balance (± 5)	%			NM	-1.32	-0.342	3.65	6.08	4	0	-1.32	6.08	2.017	3.458088
Anions	meq/l			NM	13.3	14.7	14.5	13.6	4	0	13.3	14.7	14.025	0.680074
Cations	meq/l			NM	13	14.6	15.6	15.3	4	0	13	15.6	14.625	1.161536
Solids, Total Dissolved Calculated	mg/L			NM	858	969	971	932	4	0	858	971	932.5	52.80467
TDS Balance (0.80 - 1.20)	dec. %			NM	1.12	0.97	1.01	1	4	0	0.97	1.12	1.025	0.065574

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				49	Summary Statistics for Hydro ID 49					
Month Sampled				Jul-08						
Date and Time Collected				7/1/2008 6:26:00 PM						
Lab ID				R08070035 -003						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters										
Field Conductivity	umhos/cm			1381	1	0	1381	1381	1381	---
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	7.77	1	0	7.77	7.77	7.77	---
Field Temperature	Deg C			14	1	0	14	14	14	---
Field Turbidity	NTUs			0.5	1	0	0.5	0.5	0.5	---
Water Level Elevation	ft AMSL			3642.1	1	0	3642.1	3642.1	3642.1	---
Physical Properties										
Conductivity @ 25 C	umhos/cm			1200	1	0	1200	1200	1200	---
Oxidation-Reduction Potential	mV			160	1	0	160	160	160	---
pH, Laboratory	s.u.		6.5-8.5	7.91	1	0	7.91	7.91	7.91	---
Sodium Adsorption Ratio (SAR)	unitless			6.1	1	0	6.1	6.1	6.1	---
Solids, Total Dissolved TDS @ 180 C	mg/L		500	930	1	0	930	930	930	---
Major Ions										
Alkalinity, Total as CaCO3	mg/L			168	1	0	168	168	168	---
Bicarbonate as HCO3	mg/L			205	1	0	205	205	205	---
Calcium, Dissolved	mg/L			62.2	1	0	62.2	62.2	62.2	---
Carbonate as CO3	mg/L			<5	1	1	<5	<5	<5	---
Chloride	mg/L		250	12	1	0	12	12	12	---
Fluoride	mg/L	4	2	0.4	1	0	0.4	0.4	0.4	---
Magnesium, Dissolved	mg/L			25.2	1	0	25.2	25.2	25.2	---
Nitrogen, Ammonia as N	mg/L			0.2	1	0	0.2	0.2	0.2	---
Nitrogen, Nitrate as N	mg/L	10		<0.1	1	1	<0.1	<0.1	<0.1	---
Nitrogen, Nitrite as N	mg/L	1		<0.1	1	1	<0.1	<0.1	<0.1	---
Potassium, Dissolved	mg/L			10.4	1	0	10.4	10.4	10.4	---
Silica	mg/L			4.6	1	0	4.6	4.6	4.6	---
Sodium, Dissolved	mg/L			226 d	1	0	226	226	226	---
Sulfate, Total	mg/L		250	465	1	0	465	465	465	---
Metals, Dissolved										
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	1	1	<0.1	<0.1	<0.1	---
Arsenic, Dissolved	mg/L	0.01		<0.001	1	1	<0.001	<0.001	<0.001	---
Barium, Dissolved	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Boron, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Cadmium, Dissolved	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Dissolved	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Dissolved	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Dissolved	mg/L		0.3	<0.03	1	1	<0.03	<0.03	<0.03	---
Lead, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Manganese, Dissolved	mg/L		0.05	0.14	1	0	0.14	0.14	0.14	---
Mercury, Dissolved	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Molybdenum, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Dissolved	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Dissolved	mg/L	0.05		<0.001	1	1	<0.001	<0.001	<0.001	---
Silver, Dissolved	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Thorium 232, Dissolved	mg/L			<0.005	1	1	<0.005	<0.005	<0.005	---
Uranium, Dissolved	mg/L	0.03		0.0011	1	0	0.0011	0.0011	0.0011	---
Vanadium, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Zinc, Dissolved	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Metals, Dissolved, Speciated										
Selenium-IV, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Selenium-VI, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Metals, Suspended										
Uranium, Suspended	mg/L	0.03		<0.0003	1	1	<0.0003	<0.0003	<0.0003	---
Metals, Total										
Antimony, Total	mg/L	0.006		<0.003	1	1	<0.003	<0.003	<0.003	---
Arsenic, Total	mg/L	0.01		<0.002	1	1	<0.002	<0.002	<0.002	---
Barium, Total	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Beryllium, Total	mg/L	0.004		<0.001	1	1	<0.001	<0.001	<0.001	---
Boron, Total	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Cadmium, Total	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Total	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Total	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Total	mg/L		0.3	0.14	1	0	0.14	0.14	0.14	---
Lead, Total	mg/L			<0.003	1	1	<0.003	<0.003	<0.003	---
Manganese, Total	mg/L		0.05	0.12	1	0	0.12	0.12	0.12	---
Mercury, Total	mg/L	0.002		<0.0002	1	1	<0.0002	<0.0002	<0.0002	---
Mercury, Total A3112B	mg/L	0.002		<0.0001	1	1	<0.0001	<0.0001	<0.0001	---
Molybdenum, Total	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Total	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Total	mg/L	0.05		0.003 d	1	0	0.003	0.003	0.003	---
Silver, Total	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Strontium, Total	mg/L			1.1	1	0	1.1	1.1	1.1	---
Thallium, Total	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				49	Summary Statistics for Hydro ID 49					
Month Sampled				Jul-08						
Date and Time Collected				7/1/2008 6:26:00 PM						
Lab ID				R08070035-003						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Uranium, Total	mg/L	0.03		0.0011	1	0	0.0011	0.0011	0.0011	---
Zinc, Total	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Radionuclides, Dissolved										
Gross Alpha, Dissolved	pCi/L	15		8.2	1	0	8.2	8.2	8.2	---
Gross Beta, Dissolved	pCi/L			7.1	1	0	7.1	7.1	7.1	---
Gross Gamma, Dissolved	pCi/L			920	1	0	920	920	920	---
Lead 210, Dissolved	pCi/L			1.6 j	1	0	1.6	1.6	1.6	---
Polonium 210, Dissolved	pCi/L			0 j	1	0	0	0	0	---
Radium 226, Dissolved	pCi/L	5		2.2	1	0	2.2	2.2	2.2	---
Thorium 230, Dissolved	pCi/L			0 j	1	0	0	0	0	---
Radionuclides, Suspended										
Lead 210, Suspended	pCi/L			1.3 j	1	0	1.3	1.3	1.3	---
Polonium 210, Suspended	pCi/L			-0.1 j	1	0	-0.1	-0.1	-0.1	---
Radium 226, Suspended	pCi/L	5		0.2 j	1	0	0.2	0.2	0.2	---
Thorium 230, Suspended	pCi/L			0.2 j	1	0	0.2	0.2	0.2	---
Radionuclides, Total										
Radon 222, Total	pCi/L			477	1	0	477	477	477	---
Data Quality Parameters										
A/C Balance (± 5)	%			6.51	1	0	6.51	6.51	6.51	---
Anions	meq/l			13.4	1	0	13.4	13.4	13.4	---
Cations	meq/l			15.3	1	0	15.3	15.3	15.3	---
Solids, Total Dissolved Calculated	mg/L			915	1	0	915	915	915	---
TDS Balance (0.80 - 1.20)	dec. %			1.02	1	0	1.02	1.02	1.02	---

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.
NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				135	135	Summary Statistics for Hydro ID 135 After Reverse Osmosis						Summary Statistics for Hydro ID 135 Before Reverse Osmosis					
Sample Purpose				After Reverse Osmosis	Before Reverse Osmosis												
Date and Time Collected				3/13/2008 11:45:00 AM	3/13/2008 12:15:00 PM												
Lab ID				R08030154 -002	R08030154 -001												
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters																	
Field Conductivity	umhos/cm			136	2246	1	0	136	136	136	---	1	0	2246	2246	2246	---
Field Dissolved Oxygen	mg/L			1.6	1.64	1	0	1.6	1.6	1.6	---	1	0	1.64	1.64	1.64	---
Field pH	s.u.		6.5-8.5	6.79	7.13	1	0	6.79	6.79	6.79	---	1	0	7.13	7.13	7.13	---
Field Temperature	Deg C			17.83	7.03	1	0	17.83	17.83	17.83	---	1	0	7.03	7.03	7.03	---
Field Turbidity	NTUs			0.5	6.9	1	0	0.5	0.5	0.5	---	1	0	6.9	6.9	6.9	---
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Physical Properties																	
Conductivity @ 25 C	umhos/cm			131	2700	1	0	131	131	131	---	1	0	2700	2700	2700	---
pH, Laboratory	s.u.		6.5-8.5	6.49	7.4	1	0	6.49	6.49	6.49	---	1	0	7.4	7.4	7.4	---
Sodium Adsorption Ratio (SAR)	unitless			<0.1	2.2	1	1	<0.1	<0.1	<0.1	---	1	0	2.2	2.2	2.2	---
Solids, Total Dissolved TDS @ 180 C	mg/L		500	92	2400	1	0	92	92	92	---	1	0	2400	2400	2400	---
Major Ions																	
Alkalinity, Total as CaCO3	mg/L			12	254	1	0	12	12	12	---	1	0	254	254	254	---
Bicarbonate as HCO3	mg/L			15	310	1	0	15	15	15	---	1	0	310	310	310	---
Calcium, Dissolved	mg/L			<0.5	292	1	1	<0.5	<0.5	<0.5	---	1	0	292	292	292	---
Carbonate as CO3	mg/L			<5	<5	1	1	<5	<5	<5	---	1	1	<5	<5	<5	---
Chloride	mg/L		250	2	19	1	0	2	2	2	---	1	0	19	19	19	---
Fluoride	mg/L	4	2	<0.1	0.2	1	1	<0.1	<0.1	<0.1	---	1	0	0.2	0.2	0.2	---
Magnesium, Dissolved	mg/L			<0.5	149	1	1	<0.5	<0.5	<0.5	---	1	0	149	149	149	---
Nitrogen, Ammonia as N	mg/L			<0.1	<0.1	1	1	<0.1	<0.1	<0.1	---	1	1	<0.1	<0.1	<0.1	---
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	1	1	<0.1	<0.1	<0.1	---	1	1	<0.1	<0.1	<0.1	---
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	1	1	<0.1	<0.1	<0.1	---	1	1	<0.1	<0.1	<0.1	---
Potassium, Dissolved	mg/L			<0.5	20.1	1	1	<0.5	<0.5	<0.5	---	1	0	20.1	20.1	20.1	---
Silica	mg/L			<0.5	8	1	1	<0.5	<0.5	<0.5	---	1	0	8	8	8	---
Sodium, Dissolved	mg/L			12 d	185 d	1	0	12	12	12	---	1	0	185 d	185 d	185 d	---
Sulfate, Total	mg/L		250	39	1460 d	1	0	39	39	39	---	1	0	1460 d	1460 d	1460 d	---
Metals, Dissolved																	
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	1	1	<0.1	<0.1	<0.1	---	1	1	<0.1	<0.1	<0.1	---
Arsenic, Dissolved	mg/L	0.01		<0.001	<0.001	1	1	<0.001	<0.001	<0.001	---	1	1	<0.001	<0.001	<0.001	---
Barium, Dissolved	mg/L	2		<0.1	<0.1	1	1	<0.1	<0.1	<0.1	---	1	1	<0.1	<0.1	<0.1	---
Boron, Dissolved	mg/L			<0.1	<0.1	1	1	<0.1	<0.1	<0.1	---	1	1	<0.1	<0.1	<0.1	---
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	1	1	<0.005	<0.005	<0.005	---	1	1	<0.005	<0.005	<0.005	---
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	1	1	<0.05	<0.05	<0.05	---	1	1	<0.05	<0.05	<0.05	---
Copper, Dissolved	mg/L		1	<0.01	<0.01	1	1	<0.01	<0.01	<0.01	---	1	1	<0.01	<0.01	<0.01	---
Iron, Dissolved	mg/L		0.3	<0.03	6.64	1	1	<0.03	<0.03	<0.03	---	1	0	6.64	6.64	6.64	---
Lead, Dissolved	mg/L			<0.001	<0.001	1	1	<0.001	<0.001	<0.001	---	1	1	<0.001	<0.001	<0.001	---
Manganese, Dissolved	mg/L		0.05	<0.01	0.13	1	1	<0.01	<0.01	<0.01	---	1	0	0.13	0.13	0.13	---
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	1	1	<0.001	<0.001	<0.001	---	1	1	<0.001	<0.001	<0.001	---
Molybdenum, Dissolved	mg/L			<0.1	<0.1	1	1	<0.1	<0.1	<0.1	---	1	1	<0.1	<0.1	<0.1	---
Nickel, Dissolved	mg/L			<0.05	<0.05	1	1	<0.05	<0.05	<0.05	---	1	1	<0.05	<0.05	<0.05	---
Selenium, Dissolved	mg/L	0.05		<0.001	0.002	1	1	<0.001	<0.001	<0.001	---	1	0	0.002	0.002	0.002	---
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	1	1	<0.005	<0.005	<0.005	---	1	1	<0.005	<0.005	<0.005	---
Thorium 232, Dissolved	mg/L			<0.005	<0.005	1	1	<0.005	<0.005	<0.005	---	1	1	<0.005	<0.005	<0.005	---
Uranium, Dissolved	mg/L	0.03		<0.0003	0.0164	1	1	<0.0003	<0.0003	<0.0003	---	1	0	0.0164	0.0164	0.0164	---
Vanadium, Dissolved	mg/L			<0.1	<0.1	1	1	<0.1	<0.1	<0.1	---	1	1	<0.1	<0.1	<0.1	---
Zinc, Dissolved	mg/L		5	<0.01	0.01	1	1	<0.01	<0.01	<0.01	---	1	0	0.01	0.01	0.01	---
Radionuclides, Dissolved																	
Gross Alpha, Dissolved	pCi/L	15		2.5	66.5	1	0	2.5	2.5	2.5	---	1	0	66.5	66.5	66.5	---
Gross Beta, Dissolved	pCi/L			0 j	28.5	1	0	0	0	0	---	1	0	28.5	28.5	28.5	---
Gross Gamma, Dissolved	pCi/L			<20	90	1	1	<20	<20	<20	---	1	0	90	90	90	---
Lead 210, Dissolved	pCi/L			3.9	0.3 j	1	0	3.9	3.9	3.9	---	1	0	0.3 j	0.3 j	0.3 j	---
Polonium 210, Dissolved	pCi/L			0.7 j	0.6 j	1	0	0.7	0.7	0.7	---	1	0	0.6 j	0.6 j	0.6 j	---
Radium 226, Dissolved	pCi/L	5		-0.12 j	2.3	1	0	-0.12	0	-0.12	---	1	0	2.3	2.3	2.3	---
Thorium 230, Dissolved	pCi/L			0.2	1.8	1	0	0.2	0.2	0.2	---	1	0	1.8	1.8	1.8	---
Radionuclides, Total																	
Radon 222, Total	pCi/L			218	948	1	0	218	218	218	---	1	0	948	948	948	---
Data Quality Parameters																	
A/C Balance (± 5)	%			-33.6	-0.798	1	0	-33.6	0	-33.6	---	1	0	-0.798	-0.798	-0.798	---
Anions	meq/l			1.1	35.9	1	0	1.1	1.1	1.1	---	1	0	35.9	35.9	35.9	---
Cations	meq/l			0.547	35.4	1	0	0.547	0.547	0.547	---	1	0	35.4	35.4	35.4	---
Solids, Total Dissolved Calculated	mg/L			61	2280	1	0	61	61	61	---	1	0	2280	2280	2280	---
TDS Balance (0.80 - 1.20)	dec. %			1.51	1.07	1	0	1.51	1.51	1.51	---	1	0	1.07	1.07	1.07	---

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				615	615	615	615	615	615	615	615
Month Sampled				Apr-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08
Date and Time Collected				4/1/2008 2:34:00 PM	4/21/2008 4:16:00 PM	5/28/2008 7:20:00 PM	6/25/2008 1:55:00 PM	7/14/2008 11:50:00 AM	8/20/2008 1:26:00 PM	9/22/2008 4:30:00 PM	10/20/2008 4:20:00 PM
Lab ID				R08040028 -001	R08040250 -004	R08050406 -005	R08060452 -002	R08070244 -002	R08080332 -004	R08090314 -005	R08100295 -010
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result	Result
Field Parameters											
Field Conductivity	umhos/cm			925	1066	1039	1088	1089	998	997	1120
Field Dissolved Oxygen	mg/L			0.24	0.27	0.15	0.09	0.11	NM	0.73	NM
Field pH	s.u.		6.5-8.5	7.22	7.22	7.19	7.01	7.09	6.39	7.16	7.14
Field Temperature	Deg C			14.95	14.99	14.99	15.13	15.21	15.16	14.98	14.8
Field Turbidity	NTUs			-0.2	3.8	0.1	0	4.6	4.2	3.9	NM
Water Level Elevation	ft AMSL			3691.03	3690.99	3690.47	3690.06	3689.69	3689.74	3689.57	3689.41
Physical Properties											
Conductivity @ 25 C	umhos/cm			1050	1040	1050	1110	1090	1250	1010	1100
Oxidation-Reduction Potential	mV			210	300	200	140	130	330	240	250
pH, Laboratory	s.u.		6.5-8.5	7.36	7.43	7.16	7.48	7.29	8.03	7.49	7.77
Sodium Adsorption Ratio (SAR)	unitless			3.4	3.5	3.4	3.4	3.8	3.5	3.5	3.6
Solids, Total Dissolved TDS @ 180 C	mg/L		500	670	750	710	680	710	740	670	720
Major Ions											
Alkalinity, Total as CaCO3	mg/L			136	136	138	138	138	142	138	136
Bicarbonate as HCO3	mg/L			166	166	168	168	168	173	168	166
Calcium, Dissolved	mg/L			70.9	73	79.2	71.8	71.8	78	75.3	71
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	<5	<5	<5
Chloride	mg/L		250	6	4	5	5	5	5	5	5
Fluoride	mg/L	4	2	0.5	0.4	0.5	0.5	0.6	0.6	0.6	0.5
Magnesium, Dissolved	mg/L			21.7	22.9	23.2	21.6	21.7	22.7	21.8	20.7
Nitrogen, Ammonia as N	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate as N	mg/L	10		<0.1	0.06	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			8.7	8.7	9	8.7	11.7	9.1	8.9	8.7
Silica	mg/L			7.6	7.8	4.4	4	2	4.1	9.1	8.7
Sodium, Dissolved	mg/L			127	132	134 d	127 d	142	138 d	136	133 d
Sulfate, Total	mg/L		250	378 d	371	399 d	369	430 d	401 d	421 d	414 d
Metals, Dissolved											
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.02	0.02	0.013	0.016	0.018	0.018	0.02	0.012
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	0.7	0.79	0.1	0.42	0.54	0.73	0.95	0.1
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.06
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0026	0.0025	0.0024	0.0024	0.0025	0.0023	0.0026	0.0023
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated											
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Metals, Suspended											
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.0032
Metals, Total											
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.024	0.024	0.024	0.024	0.023	0.021	0.022	0.024
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			<0.1	<0.1	0.1	<0.1	0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	1.35	1.35	1.4	1.5	1.52	1.32	1.4	1.34
Lead, Total	mg/L			0.002	<0.001	<0.001	0.013 d	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.001	<0.001	<0.002	0.003 d	<0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		0.0026	0.0025	0.0025	0.0023	0.0025	0.0023	0.0023	0.0026

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				615	615	615	615	615	615	615	615
Month Sampled				Apr-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08
Date and Time Collected				4/1/2008 2:34:00 PM	4/21/2008 4:16:00 PM	5/28/2008 7:20:00 PM	6/25/2008 1:55:00 PM	7/14/2008 11:50:00 AM	8/20/2008 1:26:00 PM	9/22/2008 4:30:00 PM	10/20/2008 4:20:00 PM
Lab ID				R08040028 -001	R08040250 -004	R08050406 -005	R08060452 -002	R08070244 -002	R08080332 -004	R08090314 -005	R08100295 -010
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result	Result
Zinc, Total	mg/L		5	0.02	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01
Radionuclides, Dissolved											
Gross Alpha, Dissolved	pCi/L	15		18.2	15.1	15.3	38.3	15.3	17.3	21.5	20.9
Gross Beta, Dissolved	pCi/L			11.6	12.1	3.7	12.6	7	9.6	9.9	12
Gross Gamma, Dissolved	pCi/L			0 j	0 j	170	0 j	0 j	0 j	0 j	1100
Lead 210, Dissolved	pCi/L			-2.5 j	0 j	3.8 j	1.1 j	-0.8 j	4.6 j	-1 j	-1 j
Polonium 210, Dissolved	pCi/L			0.6 j	0.9 j	-0.1 j	0.5 j	0 j	0 j	0.9 j	0.1 j
Radium 226, Dissolved	pCi/L	5		1.8	2	2	7.2	1.2	1.8	2	2.7
Thorium 230, Dissolved	pCi/L			0.2	0 j	0 j	0 j	0 j	0.1 j	<0.2	0.1 j
Radionuclides, Suspended											
Lead 210, Suspended	pCi/L			27.1	-3.2 j	1.5 j	3.5 j	-2 j	-6 j	-0.2 j	-3 j
Polonium 210, Suspended	pCi/L			0.4 j	0.4 j	0 j	0 j	0 j	0 j	-0.04 j	0 j
Radium 226, Suspended	pCi/L	5		0.3	-0.2 j	0.2 j	-0.4 j	-0.4 j	-0.4 j	-0.06 j	-0.1 j
Thorium 230, Suspended	pCi/L			0.9	0.1 j	0.1 j	0.1 j	0.1 j	0.2 j	0.7	-0.2 j
Radionuclides, Total											
Radon 222, Total	pCi/L			1490	1180	1070	1830	1420	1880	1500	1890
Data Quality Parameters											
A/C Balance (± 5)	%			1.45	4.26	3	2.39	-0.04	2.92	0.17	-1.01
Anions	meq/l			10.8	10.6	11.2	10.6	11.9	11.4	11.7	11.5
Cations	meq/l			11.1	11.5	11.9	11.1	11.9	12	11.7	11.3
Solids, Total Dissolved Calculated	mg/L			715	715	745	696	771	751	776	758
TDS Balance (0.80 - 1.20)	dec. %			0.94	1.05	0.95	0.97	0.93	0.98	0.86	0.96

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				615	615	615	615	Summary Statistics for Hydro ID 615					
Month Sampled				Nov-08	Dec-08	Jan-08	Feb-08						
Date and Time Collected				11/18/2008 3:00:00 PM	12/17/2008 11:27:00 AM	1/20/2009 11:10:00 AM	2/24/2009 3:45:00 PM						
Lab ID				R08110211 -013	R08120255 -013	R09010301 -004	R09020293 -009						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			1110	1180	1120	1090	12	0	925	1180	1069	68.935411
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	6	0	0.09	0.73	0.27	0.238642
Field pH	s.u.		6.5-8.5	7.12	7.23	7.18	7.29	12	0	6.39	7.29	7.10	0.2362715
Field Temperature	Deg C			15.4	12.7	14.4	15	12	0	12.7	15.4	14.81	0.7072798
Field Turbidity	NTUs			NM	NM	NM	NM	7	0	-0.2	4.6	2.34	2.2389411
Water Level Elevation	ft AMSL			3689.52	3689.92	3690.02	3690.42	12	0	3689.41	3691.03	3690.07	0.5491315
Physical Properties													
Conductivity @ 25 C	umhos/cm			973	965	1050	971	12	0	965	1250	1054.92	78.915903
Oxidation-Reduction Potential	mV			280	270	270	130	12	0	130	330	229.17	67.750657
pH, Laboratory	s.u.		6.5-8.5	8.04	7.34	7.19	7.23	12	0	7.16	8.04	7.48	0.3047639
Sodium Adsorption Ratio (SAR)	unitless			3.5	3.5	3.5	3.3	12	0	3.3	3.8	3.49	0.1240112
Solids, Total Dissolved TDS @ 180 C	mg/L		500	700	700	720	730	12	0	670	750	708.33	25.878504
Major Ions													
Alkalinity, Total as CaCO3	mg/L			138	140	138	138	12	0	136	142	138	1.7056057
Bicarbonate as HCO3	mg/L			168	171	168	168	12	0	166	173	168	2.0375267
Calcium, Dissolved	mg/L			77	72.2	70.3	69 d	12	0	69	79.2	73.29	3.2881214
Carbonate as CO3	mg/L			<5	<5	<5	<5	12	12	<5	<5	<5	<5
Chloride	mg/L		250	5	5	5	5	12	0	4	6	5	0.4264014
Fluoride	mg/L	4	2	0.5	0.5	0.6	0.6	12	0	0.4	0.6	0.53	0.0651339
Magnesium, Dissolved	mg/L			22.6	21.4	21	21	12	0	20.7	23.2	21.86	0.8140341
Nitrogen, Ammonia as N	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	12	11	<0.1	0.06	0.05	0.0028868
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	12	12	<0.05	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			8.9	8.7	9.8	8.4	12	0	8.4	11.7	9.11	0.8857029
Silica	mg/L			9.1	8.9	7.8	7.8	12	0	2	9.1	6.8	2.4525034
Sodium, Dissolved	mg/L			135 d	131 d	131	124	12	0	124	142	133	5.0362324
Sulfate, Total	mg/L		250	391 d	388 d	389 d	398 d	12	0	369	430	396	18.969473
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.012	0.011	0.014	0.012	12	0	0.011	0.02	0.0155	0.0035548
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	0.03	0.13	0.06	12	1	<0.03	0.95	0.38	0.3467411
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.06	0.07	0.07	0.07	12	0	0.06	0.08	0.07	0.0051493
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0026	0.0023	0.0027	0.0025	12	0	0.0023	0.0027	0.0025	0.0001357
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0009	<0.0003	<0.0003	12	11	<0.0003	0.0032	0.0004	0.0008768
Metals, Total													
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	12	11	<0.003	0.003	0.002	0.000433
Arsenic, Total	mg/L	0.01		0.022	0.023	0.024	0.022	12	0	0.021	0.024	0.023	0.0010836
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			<0.1	0.1	<0.4	<0.1	12	9	<0.1	0.1	0.075	0.0452267
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	1.19	1.37	1.3 d	1.31	12	0	1.19	1.52	1.3625	0.0882275
Lead, Total	mg/L			<0.001	<0.001	<0.001	<0.001	12	10	<0.001	0.013	0.002	0.003595
Manganese, Total	mg/L		0.05	0.06	0.06	0.07	0.07	12	0	0.06	0.08	0.069	0.0051493
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.0001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	12	11	<0.001	0.003	0.00075	0.000723
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			1.3	1.3	1.5	1.3	12	0	1.3	1.5	1.375	0.0621582
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		0.0022	0.0023	0.0026	0.0024	12	0	0.0022	0.0026	0.0024	0.0001422

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				615	615	615	615	Summary Statistics for Hydro ID 615					
Month Sampled				Nov-08	Dec-08	Jan-08	Feb-08						
Date and Time Collected				11/18/2008 3:00:00 PM	12/17/2008 11:27:00 AM	1/20/2009 11:10:00 AM	2/24/2009 3:45:00 PM						
Lab ID				R08110211 -013	R08120255 -013	R09010301 -004	R09020293 -009						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	<0.01	<0.01	<0.01	<0.01	12	10	<0.01	0.02	0.0067	0.0044381
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		13.9	21.7	21.1	14.8	12	0	13.9	38.3	19.45	6.6153403
Gross Beta, Dissolved	pCi/L			4.2	12.8	10.4	10.5	12	0	3.7	12.8	9.7	3.1246818
Gross Gamma, Dissolved	pCi/L			960	960	32	1000	12	0	0	1100	351.833	485.95582
Lead 210, Dissolved	pCi/L			-0.2 j	2.2 j	1.2 j	0.9 j	12	0	-2.5	4.6	0.692	2.0690175
Polonium 210, Dissolved	pCi/L			0.1 j	0 j	-0.027 j	0.14 j	12	0	-0.1	0.9	0.259	0.3659067
Radium 226, Dissolved	pCi/L	5		1.9	2.1	1.8	2.3	12	0	1.2	7.2	2.4	1.5515388
Thorium 230, Dissolved	pCi/L			0.1 j	0.3 j	0 j	-0.002 j	12	1	<0.2	0.3	0.075	0.0966736
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			0.5 j	1.1 j	5.8 j	0.5 j	12	0	-6	27.1	2.133	8.4688019
Polonium 210, Suspended	pCi/L			0.097 j	0.1 j	0.14 j	0.15 j	12	0	-0.04	0.4	0.104	0.1518148
Radium 226, Suspended	pCi/L	5		0.04 j	-0.3 j	-0.2 j	0.06 j	12	0	-0.4	0.3	-0.122	0.2376335
Thorium 230, Suspended	pCi/L			-0.2 j	-0.1 j	0.1 j	0.07 j	12	0	-0.2	0.9	0.156	0.3293922
Radionuclides, Total													
Radon 222, Total	pCi/L			1800	1710	1630	1590	12	0	1070	1890	1582.5	265.71088
Data Quality Parameters													
A/C Balance (± 5)	%			3.16	1.01	0.66	-2.02	12	0	-2.02	4.26	1.33	1.8795718
Anions	meq/l			11.1	11	11	11.2	12	0	10.6	11.9	11.17	0.4075053
Cations	meq/l			11.8	11.3	11.2	10.8	12	0	10.8	12	11.47	0.3892495
Solids, Total Dissolved Calculated	mg/L			747	735	730	729	12	0	696	776	739	23.733367
TDS Balance (0.80 - 1.20)	dec. %			0.94	0.95	0.98	1	12	0	0.86	1.05	0.96	0.0452183

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				619	619	619	619	Summary Statistics for Hydro ID 619					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/27/2007 5:45:00 PM	11/12/2007 2:25:00 PM	3/24/2008 3:40:00 PM	6/17/2008 6:10:00 PM						
Lab ID				R07090385 -001	R07110146 -008	R08030253 -002	R08060335 -001						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			1351	1761	2120	2390	4	0	1351	2390	1905.5	450.59257
Field Dissolved Oxygen	mg/L			1.17	1.77	0.48	NM	3	0	0.48	1.77	1.14	0.645523
Field pH	s.u.		6.5-8.5	6.96	7.54	7	7.09	4	0	6.96	7.54	7.1475	0.2672546
Field Temperature	Deg C			NM	10.94	11.45	11.8	3	0	10.94	11.8	11.396667	0.4324735
Field Turbidity	NTUs			NM	28.9	2.1	2.2	3	0	2.1	28.9	11.066667	15.444201
Water Level Elevation	ft AMSL			3679.13	3679.19	NM	NM	2	0	3679.13	3679.19	3679.16	0.0424264
Physical Properties													
Conductivity @ 25 C	umhos/cm			2270	1860	2180	2390	4	0	1860	2390	2175	226.93611
Oxidation-Reduction Potential	mV			NM	25	-80.2	150	3	0	-80.2	150	31.6	115.24183
pH, Laboratory	s.u.		6.5-8.5	7.03	7.03	7.25	7.82	4	0	7.03	7.82	7.2825	0.3730393
Sodium Adsorption Ratio (SAR)	unitless			NM	1.2	1.1	1	3	0	1	1.2	1.1	0.1
Solids, Total Dissolved TDS @ 180 C	mg/L		500	2100	1900	2100	2000	4	0	1900	2100	2025	95.742711
Major Ions													
Alkalinity, Total as CaCO3	mg/L			140	98	116	116	4	0	98	140	117.5	17.233688
Bicarbonate as HCO3	mg/L			171	119	141	141	4	0	119	171	143	21.354157
Calcium, Dissolved	mg/L			304 d	263	343	375	4	0	263	375	321.25	48.486252
Carbonate as CO3	mg/L			<5	<5	<5	<5	4	4	<5	<5	<5	<5
Chloride	mg/L		250	9	10	12	9	4	0	9	12	10	1.4142136
Fluoride	mg/L	4	2	0.2	0.2	0.3	0.3	4	0	0.2	0.3	0.25	0.057735
Magnesium, Dissolved	mg/L			106	96.4	125	129	4	0	96.4	129	114.1	15.488921
Nitrogen, Ammonia as N	mg/L			0.2	0.3	0.2	0.2	4	0	0.2	0.3	0.225	0.05
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			16.9	16.2	16.5	17.6	4	0	16.2	17.6	16.8	0.6055301
Silica	mg/L			7.5	6	8	4	4	0	4	8	6.375	1.7969882
Sodium, Dissolved	mg/L			80 d	86.1 d	90.3	90 d	4	0	80	90.3	86.6	4.7979162
Sulfate, Total	mg/L		250	1440 d	1180 d	1310 d	1230 d	4	0	1180	1440	1290	113.43133
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.001	<0.001	<0.001	0.001	4	3	<0.001	0.001	0.000625	0.00025
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	0.08	<0.01	<0.01	0.01	4	2	<0.01	0.08	0.025	0.0367423
Iron, Dissolved	mg/L		0.3	1.95	4.39	3.22	3.03	4	0	1.95	4.39	3.1475	0.999479
Lead, Dissolved	mg/L			0.008	<0.001	<0.001	0.002	4	2	<0.001	0.008	0.00275	0.0035707
Manganese, Dissolved	mg/L		0.05	1.51	1.15	1.62	1.74	4	0	1.15	1.74	1.505	0.2546239
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.005	<0.001	4	4	<0.001	<0.005	<0.005	<0.005
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.002	0.0015	0.0015	0.0016	4	0	0.0015	0.002	0.00165	0.000238
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	0.11	0.07	0.03	0.03	4	0	0.03	0.11	0.06	0.0382971
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	4	4	<0.0003	<0.0003	<0.0003	<0.0003
Metals, Total													
Antimony, Total	mg/L	0.006		NM	NM	<0.003	<0.003	2	2	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		NM	NM	0.002	0.002	2	0	0.002	0.002	0.002	0
Barium, Total	mg/L	2		NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		NM	NM	<0.001	<0.005	2	2	<0.001	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	NM	NM	<0.01	0.01	2	1	<0.01	0.01	0.0075	0.0035355
Iron, Total	mg/L		0.3	NM	NM	11.9	13	2	0	11.9	13	12.45	0.7778175
Lead, Total	mg/L			NM	NM	0.005	0.002	2	0	0.002	0.005	0.0035	0.0021213
Manganese, Total	mg/L		0.05	NM	NM	1.82	1.65	2	0	1.65	1.82	1.735	0.1202082
Mercury, Total	mg/L	0.002		<0.0002	<0.001	<0.0001	<0.0002	4	4	<0.0001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			NM	NM	<0.01	<0.1	2	2	<0.01	<0.1	<0.1	<0.1
Nickel, Total	mg/L			NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			NM	NM	5.2	5.4	2	0	5.2	5.4	5.3	0.1414214
Thallium, Total	mg/L	0.002		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		NM	NM	0.0018	0.0018	2	0	0.0018	0.0018	0.0018	0

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				619	619	619	619	Summary Statistics for Hydro ID 619					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/27/2007 5:45:00 PM	11/12/2007 2:25:00 PM	3/24/2008 3:40:00 PM	6/17/2008 6:10:00 PM						
Lab ID				R07090385 -001	R07110146 -008	R08030253 -002	R08060335 -001						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	NM	NM	0.18 d	0.08	2	0	0.08	0.18	0.13	0.0707107
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		367	341	438	398	4	0	341	438	386	41.769207
Gross Beta, Dissolved	pCi/L			117	170	175	144	4	0	117	175	151.5	26.71454
Gross Gamma, Dissolved	pCi/L			120	4200	25	270	4	0	25	4200	1153.75	2033.3362
Lead 210, Dissolved	pCi/L			<1	<1	19 b	-1.1 j	4	2	<1	19	4.725	9.546509
Polonium 210, Dissolved	pCi/L			<1	<1	1.9	-0.1 j	4	2	<1	1.9	0.7	0.8485281
Radium 226, Dissolved	pCi/L	5		120	100	99.7	110	4	0	99.7	120	107.425	9.6534536
Thorium 230, Dissolved	pCi/L			0.5	<0.2	0 j	0 j	4	1	<0.2	0.5	0.15	0.2380476
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			<1	<1	11 b	2 j	4	2	<1	11	3.5	5.0497525
Polonium 210, Suspended	pCi/L			<1	<1	0.1 j	0.4 j	4	2	<1	0.4	0.375	0.1892969
Radium 226, Suspended	pCi/L	5		<0.2	3.5	11.4	8.8	4	1	<0.2	11.4	5.95	5.1006536
Thorium 230, Suspended	pCi/L			<0.2	0.2	0.2	0 j	4	1	<0.2	0.2	0.125	0.0957427
Radionuclides, Total													
Lead 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Polonium 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Radium 226, Total	pCi/L	5		120	NM	NM	NM	1	0	120	120	120	---
Radon 222, Total	pCi/L				2990	5580	5770	3	0	2990	5770	4780	1553.0937
Thorium 230, Total	pCi/L			<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Data Quality Parameters													
A/C Balance (± 5)	%			-1.34	-2.56	3.41	9.08	4	0	-2.56	9.08	2.1475	5.2907679
Anions	meq/l			28.7	26.8	29.9	28.3	4	0	26.8	29.9	28.425	1.278997
Cations	meq/l			27.9	25.5	32	34	4	0	25.5	34	29.85	3.8544347
Solids, Total Dissolved Calculated	mg/L			1830	1720	1980	1940	4	0	1720	1980	1867.5	117.0114
TDS Balance (0.80 - 1.20)	dec. %			1.14	1.09	1.05	1.02	4	0	1.02	1.14	1.075	0.0519615

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				622	622	622	622	622	622	622	622
Month Sampled				Apr-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08
Date and Time Collected				4/1/2008 2:56:00 PM	4/21/2008 3:28:00 PM	5/28/2008 6:26:00 PM	6/25/2008 12:05:00 PM	7/14/2008 12:35:00 PM	8/20/2008 12:59:00 PM	9/22/2008 4:00:00 PM	10/20/2008 3:42:00 PM
Lab ID				R08040028 -003	R08040250 -003	R08050406 -004	R08060452 -001	R08070244 -001	R08080332 -003	R08090314 -004	R08100295 -006
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result	Result
Field Parameters											
Field Conductivity	umhos/cm			1042	1348	1311	1388	1371	1252	1250	1400
Field Dissolved Oxygen	mg/L			NM	0.14	0.12	0.1	0.11	0.21	NM	NM
Field pH	s.u.		6.5-8.5	8.49	7.76	7.62	7.6	7.32	7.09	7.53	7.53
Field Temperature	Deg C			12.55	14.32	14.32	14.37	14.75	14.56	14.37	14.2
Field Turbidity	NTUs			6.2	70.9	30.8	1.3	5.1	4.7	NM	NM
Water Level Elevation	ft AMSL			3709.1	3709.52	3709.32	3709.14	3709.29	3709.01	3708.96	3708.74
Physical Properties											
Conductivity @ 25 C	umhos/cm			1260	1330	1220	1410	1290	1460	1270	1390
Oxidation-Reduction Potential	mV			200	340	200	240	110	210	200	200
pH, Laboratory	s.u.		6.5-8.5	8.15	7.85	7.52	7.95	7.68	7.84	7.78	7.95
Sodium Adsorption Ratio (SAR)	unitless			11	4.1	4.1	4	4.4	4.1	4.1	4.2
Solids, Total Dissolved TDS @ 180 C	mg/L		500	800	940	890	900	950	920	910	920
Major Ions											
Alkalinity, Total as CaCO3	mg/L			164	180	178	178	182	184	182	178
Bicarbonate as HCO3	mg/L			200	219	217	217	222	224	222	217
Calcium, Dissolved	mg/L			11.2	87.6	97.5	89.6	85.9	95.2	91.9	87.9
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	<5	<5	<5
Chloride	mg/L		250	12	10	10	10	10	10	10	10
Fluoride	mg/L	4	2	0.3	0.4	0.4	0.4	0.5	0.5	0.5	0.4
Magnesium, Dissolved	mg/L			7.1	32	32.7	31.2	29.1	32.3	31.8	29.9
Nitrogen, Ammonia as N	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate as N	mg/L	10		<0.1	0.08	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			11.3	10.3	10.6	10.2	14.1	10.6	10.3	10.2
Silica	mg/L			1.2	7.5	4	3.9	1.9	3.9	8.9	8.4
Sodium, Dissolved	mg/L			179	175	182 d	174 d	185	183 d	180	179 d
Sulfate, Total	mg/L		250	470 d	487	493 d	481	478 d	504 d	528 d	510 d
Metals, Dissolved											
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.001	0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	0.03	<0.03	<0.03	<0.03	<0.03	0.03	<0.03
Lead, Dissolved	mg/L			<0.001	0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.02	0.18	0.2	0.19	0.19	0.19	0.19	0.18
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		<0.0003	0.0054	0.0056	0.0051	0.0052	0.005	0.0055	0.0052
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated											
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Metals, Suspended											
Uranium, Suspended	mg/L	0.03		<0.0003	0.0008	0.0005	<0.0003	<0.0003	<0.0003	<0.0003	0.0004
Metals, Total											
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.001	0.006	0.006	0.004	0.027	0.002	0.002	0.006 I
Barium, Total	mg/L	2		<0.1	<0.1	0.2	0.1	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.002	<0.001
Boron, Total	mg/L			<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.96	7.34	10.7	5.17	0.91	1	1.18	1.21
Lead, Total	mg/L			0.004	0.026	0.023	0.03 d	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	0.02	0.23	0.25	0.22	0.19	0.19	0.19	0.18
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.001	<0.001	0.002 d	<0.002	<0.001	<0.005	<0.001
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			<0.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		<0.0003	0.0065	0.0068	0.0059	0.0054	0.005	0.005	0.0059

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				622	622	622	622	622	622	622	622
Month Sampled				Apr-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08
Date and Time Collected				4/1/2008 2:56:00 PM	4/21/2008 3:28:00 PM	5/28/2008 6:26:00 PM	6/25/2008 12:05:00 PM	7/14/2008 12:35:00 PM	8/20/2008 12:59:00 PM	9/22/2008 4:00:00 PM	10/20/2008 3:42:00 PM
Lab ID				R08040028 -003	R08040250 -003	R08050406 -004	R08060452 -001	R08070244 -001	R08080332 -003	R08090314 -004	R08100295 -006
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result	Result
Zinc, Total	mg/L		5	0.03	0.22	0.25	0.13	<0.01	0.01	<0.01	<0.01
Radionuclides, Dissolved											
Gross Alpha, Dissolved	pCi/L	15		15	22.6	32.6	36.4	31.2	27.7	1470	29.3
Gross Beta, Dissolved	pCi/L			9.2	16.2	11.9	22.5	10	12.4	678	20
Gross Gamma, Dissolved	pCi/L			0 j	0 j	150	0 j	0 j	0 j	0 j	130
Lead 210, Dissolved	pCi/L			-3.5 j	-4.1 j	1.2 j	-2 j	2.6 j	0.1 j	-1 j	3.2 j
Polonium 210, Dissolved	pCi/L			0.8 j	1.1	-0.3 j	0.2 j	0.4 j	0.3 j	-0.1 j	0 j
Radium 226, Dissolved	pCi/L	5		2.3	2.7	3.2	4.1	2.9	4.4	3	2.7
Thorium 230, Dissolved	pCi/L			0.1 j	0 j	0 j	0 j	0 j	0 j	<0.2	0.1 j
Radionuclides, Suspended											
Lead 210, Suspended	pCi/L			0 j	0 j	-0.9 j	3.5 j	-1 j	-4 j	0.2 j	-1 j
Polonium 210, Suspended	pCi/L			0 j	2.8	2.5	1	2.8	0.2 j	0.39 j	0.3 j
Radium 226, Suspended	pCi/L	5		0.7	0.9	1	-0.2 j	-0.4 j	-0.2 j	-0.2 j	-0.2 j
Thorium 230, Suspended	pCi/L			0.2	0.1 j	0.1 j	0 j	0 j	-0.1 j	-0.1 j	0 j
Radionuclides, Total											
Radon 222, Total	pCi/L			501	1090	804	1950	824	1370	992	1360
Data Quality Parameters											
A/C Balance (± 5)	%			-18.5	3.01	5.53	3.53	4.15	3.93	1.2	1.37
Anions	meq/l			13.4	14	14.1	13.9	13.9	14.5	15	14.5
Cations	meq/l			9.23	14.9	15.8	14.9	15.1	15.7	15.3	14.9
Solids, Total Dissolved Calculated	mg/L			793	931	944	914	918	957	986	957
TDS Balance (0.80 - 1.20)	dec. %			1.01	1.01	0.95	0.99	1.03	0.96	0.92	0.96

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				622	622	622	622	Summary Statistics for Hydro ID 622					
Month Sampled				Nov-08	Dec-08	Jan-08	Feb-08						
Date and Time Collected				11/18/2008 2:30:00 PM	12/17/2008 2:20:00 PM	1/20/2009 10:51:00 AM	2/24/2009 3:31:00 PM						
Lab ID				R08110211 -014	R08120255 -008	R09010301 -002	R09020293 -008						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			1390	1400	1390	1370	12	0	1042	1400	1326	104.25755
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	5	0	0.1	0.21	0.136	0.0439318
Field pH	s.u.		6.5-8.5	7.52	8.04	7.56	7.66	12	0	7.09	8.49	7.64	0.3502034
Field Temperature	Deg C			14.9	12.2	14.1	14.7	12	0	12.2	14.9	14.11	0.8473256
Field Turbidity	NTUs			NM	NM	NM	NM	6	0	1.3	70.9	19.83	27.215853
Water Level Elevation	ft AMSL			3708.61	3708.82	3708.74	3708.98	12	0	3708.61	3709.52	3709.02	0.2703351
Physical Properties													
Conductivity @ 25 C	umhos/cm			1180	1220	1310	1230	12	0	1180	1460	1297.5	86.036462
Oxidation-Reduction Potential	mV			280	250	270	130	12	0	110	340	219.167	63.023565
pH, Laboratory	s.u.		6.5-8.5	8.01	7.46	7.46	7.58	12	0	7.46	8.15	7.769	0.2290478
Sodium Adsorption Ratio (SAR)	unitless			4.1	4.4	4.1	3.9	12	0	3.9	11	4.708	1.9865266
Solids, Total Dissolved TDS @ 180 C	mg/L		500	890	880	900	900	12	0	800	950	900	37.658755
Major Ions													
Alkalinity, Total as CaCO3	mg/L			180	146	176	178	12	0	146	184	175.5	10.552897
Bicarbonate as HCO3	mg/L			219	178	215	217	12	0	178	224	213.92	12.816597
Calcium, Dissolved	mg/L			92.4	73	84.7	85 d	12	0	11.2	97.5	81.825	23.099316
Carbonate as CO3	mg/L			<5	<5	<5	<5	12	12	<5	<5	<5	<5
Chloride	mg/L		250	11	10	10	10	12	0	10	12	10.25	0.6215816
Fluoride	mg/L	4	2	0.4	0.3	0.6	0.5	12	0	0.3	0.6	0.43	0.0887625
Magnesium, Dissolved	mg/L			31.7	31.4	29.7	30.5	12	0	7.1	32.7	29.12	7.0215038
Nitrogen, Ammonia as N	mg/L			<0.1	0.1	<0.1	<0.1	12	11	<0.1	0.1	0.05	0.0144338
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	12	11	<0.1	0.08	0.0525	0.0086603
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	12	12	<0.05	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			10.5	10.4	12.2	10.8	12	0	10.2	14.1	10.96	1.1421338
Silica	mg/L			8.5	5.8	7.4	7.3	12	0	1.2	8.9	5.725	2.6649663
Sodium, Dissolved	mg/L			180 d	178 d	173	167	12	0	167	185	177.92	4.96274
Sulfate, Total	mg/L		250	480 d	476 d	499 d	495 d	12	0	470	528	491.75	16.646731
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.001	<0.001	<0.001	<0.001	12	10	<0.001	0.001	0.00	0.0001946
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	0.09	<0.03	<0.03	12	9	<0.03	0.09	0.02375	0.0216506
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	10	<0.001	0.001	0.00	0.0001946
Manganese, Dissolved	mg/L		0.05	0.17	0.28	0.17	0.18	12	0	0.02	0.28	0.18	0.0576562
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0055	<0.0003	0.0029	0.0053	12	2	<0.0003	0.0056	0.00425	0.0020428
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	12	11	<0.01	0.01	0.01	0.0014434
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0009	0.0003	<0.0003	12	8	<0.0003	0.0008	0.000	0.0002087
Metals, Total													
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	12	12	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.002	0.001	0.003 d	0.004 l	12	0	0.001	0.027	0.005	0.0070754
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	12	10	<0.1	0.2	0.067	0.0443813
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.002	<0.002	<0.002
Boron, Total	mg/L			<0.1	<0.1	<0.1	<0.2	12	11	<0.1	0.1	0.058	0.0194625
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.95	11	4.06	1.4	12	0	0.91	11	3.823	3.8803967
Lead, Total	mg/L			<0.001	0.005	0.008	0.002	12	5	<0.001	0.03	0.008375	0.0111745
Manganese, Total	mg/L		0.05	0.18	0.27	0.19	0.2 d	12	0	0.02	0.27	0.1925	0.061515
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.0001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.001	<0.002	<0.001	12	11	<0.001	0.002	0.000875	0.0006784
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			1.5	1.1	1.6	1.6	12	1	<0.1	1.6	1.421	0.4550017
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		0.0051	<0.0003	0.0056	0.0051	12	2	<0.0003	0.0068	0.005	0.0022101

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				622	622	622	622	Summary Statistics for Hydro ID 622					
Month Sampled				Nov-08	Dec-08	Jan-08	Feb-08						
Date and Time Collected				11/18/2008 2:30:00 PM	12/17/2008 2:20:00 PM	1/20/2009 10:51:00 AM	2/24/2009 3:31:00 PM						
Lab ID				R08110211 -014	R08120255 -008	R09010301 -002	R09020293 -008						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	<0.01	<0.01	0.08	0.01	12	5	<0.01	0.25	0.063	0.0894035
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		32.6	6.8	36.4	44.3	12	0	6.8	1470	148.742	416.2091
Gross Beta, Dissolved	pCi/L			17.6	9.6	16	19.7	12	0	9.2	678	70.258	191.44045
Gross Gamma, Dissolved	pCi/L			910	0 j	160	0 j	12	0	0	910	112.5	259.58446
Lead 210, Dissolved	pCi/L			-2 j	2.5 j	0.3 j	0.7 j	12	0	-4.1	3.2	-0.167	2.3932987
Polonium 210, Dissolved	pCi/L			0.1 j	0 j	0.063 j	0.16 j	12	0	-0.3	1.1	0.227	0.3886661
Radium 226, Dissolved	pCi/L	5		2.9	1.3	2.9	7.9	12	0	1.3	7.9	3.358	1.6312061
Thorium 230, Dissolved	pCi/L			0.1 j	0.1 j	0 j	-0.01 j	12	1	<0.2	0.1	0.041	0.052303
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			0 j	3.1 j	8.1 j	0.1 j	12	0	-4	8.1	0.675	3.0280882
Polonium 210, Suspended	pCi/L			0.24 j	0 j	0.77	0.3 j	12	0	0	2.8	0.942	1.100073
Radium 226, Suspended	pCi/L	5		-0.1 j	0.8	0.2 j	0.5	12	0	-0.4	1	0.233	0.5140452
Thorium 230, Suspended	pCi/L			0.1 j	-0.2 j	0.1 j	-0.09 j	12	0	-0.2	0.2	0.009	0.1156372
Radionuclides, Total													
Radon 222, Total	pCi/L			1280	50.2 j	1180	1360	12	0	50.2	1950	1063.433	485.21706
Data Quality Parameters													
A/C Balance (± 5)	%			4.85	4.09	1.07	0.62	12	0	-18.5	5.53	1.24	6.42254
Anions	meq/l			13.9	13.1	14.2	14.2	12	0	13.1	15	14.06	0.4999242
Cations	meq/l			15.4	14.3	14.5	14.3	12	0	9.23	15.8	14.53	1.7389606
Solids, Total Dissolved Calculated	mg/L			938	883	934	925	12	0	793	986	923.33	48.374173
TDS Balance (0.80 - 1.20)	dec. %			0.95	0.99	0.97	0.97	12	0	0.92	1.03	0.98	0.0311764

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				628	628	628	628	Summary Statistics for Hydro ID 628					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/28/2007 9:23:00 AM	11/14/2007 10:59:00 AM	2/20/2008 6:30:00 PM	5/29/2008 3:02:00 PM						
Lab ID				R07100002 -001	R07110184 -001	R08020220 -005	R08050419 -004						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			1713	1302	1405	1502	4	0	1302	1713	1480.5	175.19608
Field Dissolved Oxygen	mg/L			NM	NM	NM	0.07	1	0	0.07	0.07	0.07	---
Field pH	s.u.		6.5-8.5	8.65	8.16	7.94	8.24	4	0	7.94	8.65	8.2475	0.2968024
Field Temperature	Deg C			NM	13.32	15.56	15.78	3	0	13.32	15.78	14.886667	1.3612249
Field Turbidity	NTUs			NM	3.7	NM	-0.1	2	0	-0.1	3.7	1.8	2.6870058
Water Level Elevation	ft AMSL			3695.72	3694.86	3696.07	3695.87	4	0	3694.86	3696.07	3695.63	0.532979
Physical Properties													
Conductivity @ 25 C	umhos/cm			2490	1800	1510	1640	4	0	1510	2490	1860	436.42487
Oxidation-Reduction Potential	mV			NM	96	110	180	3	0	96	180	128.66667	45.003704
pH, Laboratory	s.u.		6.5-8.5	8.66	7.77	8.32	8.21	4	0	7.77	8.66	8.24	0.367242
Sodium Adsorption Ratio (SAR)	unitless			NM	7.6	9.2	10	3	0	7.6	10	8.9333333	1.2220202
Solids, Total Dissolved TDS @ 180 C	mg/L		500	1800	1300	920	980	4	0	920	1800	1250	402.82337
Major Ions													
Alkalinity, Total as CaCO3	mg/L			134	160	162	160	4	0	134	162	154	13.366625
Bicarbonate as HCO3	mg/L			154	195	193	195	4	0	154	195	184.25	20.188693
Calcium, Dissolved	mg/L			24 d	43.2	50	40.1	4	0	24	50	39.325	11.021608
Carbonate as CO3	mg/L			<5	<5	<5	<5	4	4	<5	<5	<5	<5
Chloride	mg/L		250	82	35	29	42 d	4	0	29	82	47	23.930455
Fluoride	mg/L	4	2	0.5	0.4	0.4	0.5	4	0	0.4	0.5	0.45	0.057735
Magnesium, Dissolved	mg/L			11.4	16.9	20.6	17.5	4	0	11.4	20.6	16.6	3.8270964
Nitrogen, Ammonia as N	mg/L			0.6	0.2	0.2	0.2	4	0	0.2	0.6	0.3	0.2
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			8.8	8.5	9.3	8.2	4	0	8.2	9.3	8.7	0.4690416
Silica	mg/L			4.5	7.2	5	4	4	0	4	7.2	5.175	1.4103782
Sodium, Dissolved	mg/L			435 d	233 d	306 d	307 d	4	0	233	435	320.25	83.981645
Sulfate, Total	mg/L		250	1030 d	635 d	651	515 d	4	0	515	1030	707.75	223.24183
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.001	<0.001	0.001	0.001	4	1	<0.001	0.001	0.000875	0.00025
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			0.4	<0.1	0.2	0.2	4	1	<0.1	0.4	0.2125	0.1436141
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	4	4	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	0.11	<0.03	<0.03	<0.03	4	3	<0.03	0.11	0.03875	0.0475
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.06	0.15	0.09	0.08	4	0	0.06	0.15	0.095	0.0387298
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		0.002	<0.001	<0.001	<0.001	4	3	<0.001	0.002	0.000875	0.00075
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0017	0.0034	0.003	0.0027	4	0	0.0017	0.0034	0.0027	0.0007257
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	0.01	<0.01	<0.01	<0.01	4	3	<0.01	0.01	0.00625	0.0025
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	4	4	<0.0003	<0.0003	<0.0003	<0.0003
Metals, Total													
Antimony, Total	mg/L	0.006		NM	NM	<0.003	<0.003	2	2	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		NM	NM	0.001	0.004 d	2	0	0.001	0.004	0.0025	0.0021213
Barium, Total	mg/L	2		NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			NM	NM	<0.1	0.1	2	1	<0.1	0.1	0.075	0.0353553
Cadmium, Total	mg/L	0.005		NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	NM	NM	0.7	0.66	2	0	0.66	0.7	0.68	0.0282843
Lead, Total	mg/L			NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	NM	NM	0.09	0.08	2	0	0.08	0.09	0.085	0.0070711
Mercury, Total	mg/L	0.002		<0.0002	<0.001	<0.001	<0.0001	4	4	<0.0001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			NM	NM	<0.01	<0.1	2	2	<0.01	<0.1	<0.1	<0.1
Nickel, Total	mg/L			NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			NM	NM	0.9	0.9	2	0	0.9	0.9	0.9	0
Thallium, Total	mg/L	0.002		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		NM	NM	0.0031	0.0029	2	0	0.0029	0.0031	0.003	0.0001414

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				628	628	628	628	Summary Statistics for Hydro ID 628					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/28/2007 9:23:00 AM	11/14/2007 10:59:00 AM	2/20/2008 6:30:00 PM	5/29/2008 3:02:00 PM						
Lab ID				R07100002 -001	R07110184 -001	R08020220 -005	R08050419 -004						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		29.9	83.9	64.5	39	4	0	29.9	83.9	54.325	24.560453
Gross Beta, Dissolved	pCi/L			14	47.1	19	11.4	4	0	11.4	47.1	22.875	16.455065
Gross Gamma, Dissolved	pCi/L			<20	1100	440	260	4	1	<20	1100	452.5	466.28854
Lead 210, Dissolved	pCi/L			<1	<1	14	0.1 j	4	2	<1	14	3.775	6.8192742
Polonium 210, Dissolved	pCi/L			<1	2.7	1.3	-0.5 j	4	1	<1	2.7	1	1.3515423
Radium 226, Dissolved	pCi/L	5		7.4	20.7	9	6.1	4	0	6.1	20.7	10.8	6.705719
Thorium 230, Dissolved	pCi/L			<0.2	<0.2	<0.2	0 j	4	3	<0.2	0	0.075	0.05
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			<1	<1	1.2	0.5 j	4	2	<1	1.2	0.675	0.35
Polonium 210, Suspended	pCi/L			6.4	<1	<1	0.1 j	4	2	<1	6.4	1.875	3.0225541
Radium 226, Suspended	pCi/L	5		<0.2	0.3	1.7	-0.3 j	4	1	<0.2	1.7	0.45	0.8698659
Thorium 230, Suspended	pCi/L			<0.2	0.3	<0.2	0.1 j	4	2	<0.2	0.3	0.15	0.1
Radionuclides, Total													
Lead 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Polonium 210, Total	pCi/L			6.4	NM	NM	NM	1	0	6.4	6.4	6.4	---
Radium 226, Total	pCi/L	5		6.8	NM	NM	NM	1	0	6.8	6.8	6.8	---
Radon 222, Total	pCi/L			NM	2740	4360	5040	3	0	2740	5040	4046.6667	1181.5809
Thorium 230, Total	pCi/L			<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Data Quality Parameters													
A/C Balance (± 5)	%			-4.9	-1.74	0.362	5.86	4	0	-4.9	5.86	-0.1045	4.5263879
Anions	meq/l			23.5	14.4	17.6	15.2	4	0	14.4	23.5	17.675	4.1145069
Cations	meq/l			21.3	13.9	17.8	17	4	0	13.9	21.3	17.5	3.0408332
Solids, Total Dissolved Calculated	mg/L			1530	923	1180	1040	4	0	923	1530	1168.25	263.05687
TDS Balance (0.80 - 1.20)	dec. %			1.15	1.44	0.78	0.95	4	0	0.78	1.44	1.08	0.2836665

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				631	631	631	631	Summary Statistics for Hydro ID 631					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/26/2007 4:40:00 PM	11/14/2007 3:20:00 PM	2/20/2008 1:55:00 PM	5/19/2008 11:06:00 AM						
Lab ID				R07090384 -004	R07110184 -004	R08020220 -003	R08050251 -001						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			1471	2279	2234	2322	4	0	1471	2322	2076.5	405.26247
Field Dissolved Oxygen	mg/L			7.09	1.67	0.05	0.12	4	0	0.05	7.09	2.2325	3.323536
Field pH	s.u.		6.5-8.5	7.7	NM	7.21	7.23	3	0	7.21	7.7	7.38	0.2773085
Field Temperature	Deg C			NM	11.54	11.29	11.82	3	0	11.29	11.82	11.55	0.2651415
Field Turbidity	NTUs			NM	0.6	0.1	0	3	0	0	0.6	0.2333333	0.321455
Water Level Elevation	ft AMSL			3715.79	3715.85	3715.68	3713.64	4	0	3713.64	3715.85	3715.24	1.0689871
Physical Properties													
Conductivity @ 25 C	umhos/cm			2180	2170	2420	2530	4	0	2170	2530	2325	178.97858
Oxidation-Reduction Potential	mV			NM	<0	180	230	3	1	<0	230	136.66667	120.96832
pH, Laboratory	s.u.		6.5-8.5	7.76	7.23	7.6	7.54	4	0	7.23	7.76	7.5325	0.2220173
Sodium Adsorption Ratio (SAR)	unitless			NM	1.2	0.99	1.2	3	0	0.99	1.2	1.13	0.1212436
Solids, Total Dissolved TDS @ 180 C	mg/L		500	1900	2000	2000	2000	4	0	1900	2000	1975	50
Major Ions													
Alkalinity, Total as CaCO3	mg/L			168	160	158	164	4	0	158	168	162.5	4.4347116
Bicarbonate as HCO3	mg/L			205	195	193	200	4	0	193	205	198.25	5.3774219
Calcium, Dissolved	mg/L			268	307 d	324 d	375	4	0	268	375	318.5	44.365903
Carbonate as CO3	mg/L			<5	<5	<5	<5	4	4	<5	<5	<5	<5
Chloride	mg/L		250	10	10	8	10	4	0	8	10	9.5	1
Fluoride	mg/L	4	2	0.3	0.3	0.2	0.5	4	0	0.2	0.5	0.325	0.1258306
Magnesium, Dissolved	mg/L			82.9	89.3	82.6	110	4	0	82.6	110	91.2	12.908653
Nitrogen, Ammonia as N	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			15.9	15.7	15.7	16.3	4	0	15.7	16.3	15.9	0.2828427
Silica	mg/L			7.2	7.8	6.9	3.5	4	0	3.5	7.8	6.35	1.9364917
Sodium, Dissolved	mg/L			92.4 d	92.9 d	77.1 d	107 d	4	0	77.1	107	92.35	12.213244
Sulfate, Total	mg/L		250	1240 d	1220 d	1250 d	1250 d	4	0	1220	1250	1240	14.142136
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.001	<0.001	<0.001	<0.001	4	3	<0.001	0.001	0.000625	0.00025
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			0.2	<0.1	0.1	0.2	4	1	<0.1	0.2	0.1375	0.075
Cadmium, Dissolved	mg/L	0.005		<0.01	<0.005	<0.005	<0.005	4	4	<0.005	<0.01	<0.01	<0.01
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	4	4	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	0.84	0.57	0.39	4	1	<0.03	0.84	0.45375	0.3460582
Lead, Dissolved	mg/L			<0.05	<0.001	<0.001	<0.001	4	4	<0.001	<0.05	<0.05	<0.05
Manganese, Dissolved	mg/L		0.05	0.28	0.29	0.3	0.33	4	0	0.28	0.33	0.3	0.0216025
Mercury, Dissolved	mg/L	0.002		<0.0002	<0.001	<0.001	<0.001	4	4	<0.0002	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		0.002	<0.001	<0.001	<0.005	4	3	<0.001	0.002	0.001375	0.0010308
Silver, Dissolved	mg/L		0.1	<0.01	<0.005	<0.005	<0.005	4	4	<0.005	<0.01	<0.01	<0.01
Thorium 232, Dissolved	mg/L			<0.001	<0.005	<0.005	<0.005	4	4	<0.001	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0027	0.0029	0.0027	0.0026	4	0	0.0026	0.0029	0.002725	0.0001258
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	4	4	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	4	4	<0.0003	<0.0003	<0.0003	<0.0003
Metals, Total													
Antimony, Total	mg/L	0.006		NM	NM	<0.003	<0.003	2	2	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		NM	NM	<0.001	0.002	2	1	<0.001	0.002	0.00125	0.0010607
Barium, Total	mg/L	2		NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			NM	NM	0.1	0.2	2	0	0.1	0.2	0.15	0.0707107
Cadmium, Total	mg/L	0.005		NM	NM	<0.005	<0.001	2	2	<0.001	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	NM	NM	1.06	0.98	2	0	0.98	1.06	1.02	0.0565685
Lead, Total	mg/L			NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	NM	NM	0.28	0.32	2	0	0.28	0.32	0.3	0.0282843
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.0001	4	4	<0.0001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Nickel, Total	mg/L			NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		NM	NM	0.002	<0.001	2	1	<0.001	0.002	0.00125	0.0010607
Silver, Total	mg/L		0.1	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			NM	NM	5.6	6.8	2	0	5.6	6.8	6.2	0.8485281
Thallium, Total	mg/L	0.002		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		0.003	NM	0.0026	0.0028	3	0	0.0026	0.003	0.0028	0.0002

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				631	631	631	631	Summary Statistics for Hydro ID 631					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/26/2007 4:40:00 PM	11/14/2007 3:20:00 PM	2/20/2008 1:55:00 PM	5/19/2008 11:06:00 AM						
Lab ID				R07090384 -004	R07110184 -004	R08020220 -003	R08050251 -001						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	NM	NM	<0.01	0.01	2	1	<0.01	0.01	0.0075	0.0035355
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		51	46.5	162	60.7	4	0	46.5	162	80.05	54.953708
Gross Beta, Dissolved	pCi/L			20.9	29.4	52.1	26.2	4	0	20.9	52.1	32.15	13.754151
Gross Gamma, Dissolved	pCi/L			520	1900	510	130	4	0	130	1900	765	778.13881
Lead 210, Dissolved	pCi/L			<1	<1	6.1	0.5 j	4	2	<1	6.1	1.9	2.8
Polonium 210, Dissolved	pCi/L			<1	3.5	<1	0.2 j	4	2	<1	3.5	1.175	1.5564382
Radium 226, Dissolved	pCi/L	5		12.9	9.5	19.4	22.1	4	0	9.5	22.1	15.975	5.7915887
Thorium 230, Dissolved	pCi/L			<0.2	<0.2	<0.2	0.1 j	4	3	<0.2	0.1	0.1	0
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			<1	<1	7.5	-1.4 j	4	2	<1	7.5	1.775	3.9203529
Polonium 210, Suspended	pCi/L			<1	<1	<1	0.1 j	4	3	<1	0.1	0.4	0.2
Radium 226, Suspended	pCi/L	5		2.3	<0.2	<0.9	-0.3 j	4	2	<0.2	2.3	0.6375	1.1499094
Thorium 230, Suspended	pCi/L			<0.2	<0.2	0.6	0 j	4	2	<0.2	0.6	0.2	0.2708013
Radionuclides, Total													
Lead 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Polonium 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Radium 226, Total	pCi/L	5		15.2	NM	NM	NM	1	0	15.2	15.2	15.2	---
Radon 222, Total	pCi/L			NM	4220	3920	4430	3	0	3920	4430	4190	256.32011
Thorium 230, Total	pCi/L			<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Data Quality Parameters													
A/C Balance (± 5)	%			-4.28	-3.03	-4.87	5.08	4	0	-4.87	5.08	-1.775	4.6339364
Anions	meq/l			26.9	28.9	29.5	29.7	4	0	26.9	29.7	28.75	1.2793227
Cations	meq/l			24.7	27.2	26.8	32.8	4	0	24.7	32.8	27.875	3.4615748
Solids, Total Dissolved Calculated	mg/L			1690	1830	1880	1980	4	0	1690	1980	1845	120.69245
TDS Balance (0.80 - 1.20)	dec. %			1.11	1.09	1.05	1.02	4	0	1.02	1.11	1.0675	0.0403113

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				650	650	650	650	Summary Statistics for Hydro ID 650					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/28/2007 7:00:00 PM	11/12/2007 3:30:00 PM	3/24/2008 9:00:00 AM	5/30/2008 4:30:00 PM						
Lab ID				R07100002 -010	R07110146 -009	R08030253 -001	R08050427 -004						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			1669	1951	1553	1452	4	0	1452	1951	1656.25	215.57578
Field Dissolved Oxygen	mg/L			NM	1.35	2.42	NM	2	0	1.35	2.42	1.885	0.7566043
Field pH	s.u.		6.5-8.5	7.67	7.3	7.79	7.39	4	0	7.3	7.79	7.5375	0.2305609
Field Temperature	Deg C			11.9	11.79	11.7	12.64	4	0	11.7	12.64	12.0075	0.4295249
Field Turbidity	NTUs			NM	40.9	18	29	3	0	18	40.9	29.3	11.452947
Water Level Elevation	ft AMSL			3682.35	3682.35	3681.92	3682	4	0	3681.92	3682.35	3682.155	0.2275229
Physical Properties													
Conductivity @ 25 C	umhos/cm			2260	1770	1540	1700	4	0	1540	2260	1817.5	310.30899
Oxidation-Reduction Potential	mV			NM	190	120	200	3	0	120	200	170	43.588989
pH, Laboratory	s.u.		6.5-8.5	7.04	7.22	7.4	7.3	4	0	7.04	7.4	7.24	0.1523155
Sodium Adsorption Ratio (SAR)	unitless			NM	1.9	2.3	2.1	3	0	1.9	2.3	2.1	0.2
Solids, Total Dissolved TDS @ 180 C	mg/L		500	2000	1600	1300	1400	4	0	1300	2000	1575	309.56959
Major Ions													
Alkalinity, Total as CaCO3	mg/L			116	108	30	30	4	0	30	116	71	47.455242
Bicarbonate as HCO3	mg/L			141	132	37	37	4	0	37	141	86.75	57.563733
Calcium, Dissolved	mg/L			219 d	221	101	125	4	0	101	221	166.5	62.553977
Carbonate as CO3	mg/L			<5	<5	<5	<5	4	4	<5	<5	<5	<5
Chloride	mg/L		250	17	16	19	16	4	0	16	19	17	1.4142136
Fluoride	mg/L	4	2	<0.1	<0.1	0.1	0.1	4	2	<0.1	0.1	0.075	0.0288675
Magnesium, Dissolved	mg/L			85.2	100	62.3	70.6	4	0	62.3	100	79.525	16.611116
Nitrogen, Ammonia as N	mg/L			0.6	0.6	0.4	0.4	4	0	0.4	0.6	0.5	0.1154701
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			17.6	18.1	14.5	15.6	4	0	14.5	18.1	16.45	1.6901676
Silica	mg/L			2.7	1.1	0.9	<0.5	4	1	<0.5	2.7	1.2375	1.0403325
Sodium, Dissolved	mg/L			110 d	139 d	121	119 d	4	0	110	139	122.25	12.148388
Sulfate, Total	mg/L		250	1320 d	1000 d	801 d	825 d	4	0	801	1320	986.5	239.3721
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	0.6	<0.1	<0.1	<0.1	4	3	<0.1	0.6	0.1875	0.275
Arsenic, Dissolved	mg/L	0.01		0.002	<0.001	<0.001	<0.001	4	3	<0.001	0.002	0.000875	0.00075
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	0.1	0.1	4	2	<0.1	0.1	0.075	0.0288675
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	4	4	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	13.2	0.68	0.06	0.1	4	0	0.06	13.2	3.51	6.4662096
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	2.44	1.39	0.43	0.94	4	0	0.43	2.44	1.3	0.8552193
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		0.002	<0.001	<0.005	<0.001	4	3	<0.001	0.002	0.001375	0.0010308
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0019	<0.0003	<0.0003	<0.0003	4	3	<0.0003	0.0019	0.0005875	0.000875
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	0.02	<0.01	<0.01	<0.01	4	3	<0.01	0.02	0.00875	0.0075
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		0.0014	<0.0003	0.0033	<0.0003	4	2	<0.0003	0.0033	0.00125	0.0014883
Metals, Total													
Antimony, Total	mg/L	0.006		NM	NM	<0.003	<0.003	2	2	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		NM	NM	0.001	0.002 d	2	0	0.001	0.002	0.0015	0.0007071
Barium, Total	mg/L	2		NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			NM	NM	0.1	0.1	2	0	0.1	0.1	0.1	0
Cadmium, Total	mg/L	0.005		NM	NM	<0.001	<0.005	2	2	<0.001	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	NM	NM	0.08	<0.01	2	1	<0.01	0.08	0.0425	0.053033
Iron, Total	mg/L		0.3	NM	NM	7.59	8.99	2	0	7.59	8.99	8.29	0.9899495
Lead, Total	mg/L			NM	NM	0.05	0.002	2	0	0.002	0.05	0.026	0.0339411
Manganese, Total	mg/L		0.05	NM	NM	0.56	0.66	2	0	0.56	0.66	0.61	0.0707107
Mercury, Total	mg/L	0.002		<0.0002	<0.001	<0.0001	<0.0001	4	4	<0.0001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			NM	NM	<0.01	<0.1	2	2	<0.01	<0.1	<0.1	<0.1
Nickel, Total	mg/L			NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			NM	NM	2.1	2.6	2	0	2.1	2.6	2.35	0.3535534
Thallium, Total	mg/L	0.002		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		NM	NM	0.0004	<0.0003	2	1	<0.0003	0.0004	0.000275	0.0001768

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				650	650	650	650	Summary Statistics for Hydro ID 650					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/28/2007 7:00:00 PM	11/12/2007 3:30:00 PM	3/24/2008 9:00:00 AM	5/30/2008 4:30:00 PM						
Lab ID				R07100002 -010	R07110146 -009	R08030253 -001	R08050427 -004						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	NM	NM	0.07 d	0.02	2	0	0.02	0.07	0.045	0.0353553
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		13.1	5.6	2.9 j	2.1 j	4	0	2.1	13.1	5.925	5.012235
Gross Beta, Dissolved	pCi/L			20.9	20.1	12.5	10.8	4	0	10.8	20.9	16.075	5.1668011
Gross Gamma, Dissolved	pCi/L			1100	2200	<20	0 j	4	1	<20	2200	827.5	1050.5673
Lead 210, Dissolved	pCi/L			<1	1.4	24 b	1.5 j	4	1	<1	24	6.85	11.442173
Polonium 210, Dissolved	pCi/L			<1	<1	0.4 j	-0.2 j	4	2	<1	0.4	0.3	0.3366502
Radium 226, Dissolved	pCi/L	5		2.7	2.4	1.4	1.2	4	0	1.2	2.7	1.925	0.736546
Thorium 230, Dissolved	pCi/L			<0.2	<0.2	0.4	0 j	4	2	<0.2	0.4	0.15	0.1732051
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			<1	<1	12 b	6.2 j	4	2	<1	12	4.8	5.500909
Polonium 210, Suspended	pCi/L			<1	<1	1.2	0.2 j	4	2	<1	1.2	0.6	0.4242641
Radium 226, Suspended	pCi/L	5		0.6	<0.2	0.7	-0.02 j	4	1	<0.2	0.7	0.345	0.3579106
Thorium 230, Suspended	pCi/L			<0.2	<0.2	0.8	0.2 j	4	2	<0.2	0.8	0.3	0.3366502
Radionuclides, Total													
Lead 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Polonium 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Radium 226, Total	pCi/L	5		3.2	NM	NM	NM	1	0	3.2	3.2	3.2	---
Radon 222, Total	pCi/L			NM	134	202	254	3	0	134	254	196.66667	60.177515
Thorium 230, Total	pCi/L			<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Data Quality Parameters													
A/C Balance (± 5)	%			-3.87	4.96	-5.85	-1.4	4	0	-5.85	4.96	-1.54	4.7001631
Anions	meq/l			25.9	23.5	17.8	18.2	4	0	17.8	25.9	21.35	3.9937451
Cations	meq/l			23.9	26	15.9	17.7	4	0	15.9	26	20.875	4.8389909
Solids, Total Dissolved Calculated	mg/L			1630	1560	1140	1190	4	0	1140	1630	1380	250.73226
TDS Balance (0.80 - 1.20)	dec. %			1.21	1.01	1.11	1.13	4	0	1.01	1.21	1.115	0.0822598

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				675	675	675	675	Summary Statistics for Hydro ID 675					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/28/2007 10:49:00 AM	11/27/2007 5:34:00 PM	2/5/2008 12:05:00 PM	4/29/2008 5:47:00 PM						
Lab ID				R07100002-002	R07110303-007	R08020052-002	R08040364-004						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			6779	5534	6151	6164	4	0	5534	6779	6157	508.29716
Field Dissolved Oxygen	mg/L			NM	NM	0.91	0.73	2	0	0.73	0.91	0.82	0.1272792
Field pH	s.u.		6.5-8.5	7.03	7.18	7.17	7.08	4	0	7.03	7.18	7.115	0.0723418
Field Temperature	Deg C			15.18	12.63	NM	8.29	3	0	8.29	15.18	12.033333	3.4835375
Field Turbidity	NTUs			NM	NM	38.8	2.9	2	0	2.9	38.8	20.85	25.385133
Water Level Elevation	ft AMSL			3482.12	3482.31	3482.93	3482.88	4	0	3482.12	3482.93	3482.56	0.406366
Physical Properties													
Conductivity @ 25 C	umhos/cm			6090	5830	6340	6560	4	0	5830	6560	6205	315.22479
Oxidation-Reduction Potential	mV			NM	220	180	240	3	0	180	240	213.33333	30.550505
pH, Laboratory	s.u.		6.5-8.5	7.25	7.32	7.29	7.53	4	0	7.25	7.53	7.3475	0.125
Sodium Adsorption Ratio (SAR)	unitless			NM	6.2	6.5	6.6	3	0	6.2	6.6	6.4333333	0.2081666
Solids, Total Dissolved TDS @ 180 C	mg/L		500	5900	6100	6100	5700	4	0	5700	6100	5950	191.48542
Major Ions													
Alkalinity, Total as CaCO3	mg/L			378	352	388	422	4	0	352	422	385	28.959742
Bicarbonate as HCO3	mg/L			461	429	473	514	4	0	429	514	469.25	35.141381
Calcium, Dissolved	mg/L			400 d	410 d	439 d	450	4	0	400	450	424.75	23.599082
Carbonate as CO3	mg/L			<5	<5	<5	<5	4	4	<5	<5	<5	<5
Chloride	mg/L		250	64	60 d	75 d	64	4	0	60	75	65.75	6.448514
Fluoride	mg/L	4	2	0.1	0.4	0.6	0.5	4	0	0.1	0.6	0.4	0.2160247
Magnesium, Dissolved	mg/L			339	362	376	408	4	0	339	408	371.25	28.860296
Nitrogen, Ammonia as N	mg/L			0.3	0.5	0.3	0.2	4	0	0.2	0.5	0.325	0.1258306
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	0.07	4	3	<0.1	0.07	0.055	0.01
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.05	4	4	<0.05	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			28	25.2	24.5	21.7	4	0	21.7	28	24.85	2.5877919
Silica	mg/L			16	14.9	14.4	7.3	4	0	7.3	16	13.15	3.9568506
Sodium, Dissolved	mg/L			630 d	713 d	769 d	809 d	4	0	630	809	730.25	77.568787
Sulfate, Total	mg/L		250	3600 d	3420 d	3260 d	3810	4	0	3260	3810	3522.5	236.69601
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.001	<0.001	0.001	0.001	4	1	<0.001	0.001	0.000875	0.00025
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			0.4	0.3	0.4	0.3	4	0	0.3	0.4	0.35	0.057735
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	4	4	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	0.13	0.05	0.15	1.88	4	0	0.05	1.88	0.5525	0.886054
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	2.89	3.14	3.39	3.02	4	0	2.89	3.39	3.11	0.2127596
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		0.003	<0.001	0.001	<0.001	4	2	<0.001	0.003	0.00125	0.0011902
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0372	0.0307	0.0387	0.0493	4	0	0.0307	0.0493	0.038975	0.0077095
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	0.02	0.02	<0.01	<0.01	4	2	<0.01	0.02	0.0125	0.0086603
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			NM	<0.001	0.001	<0.001	3	2	<0.001	0.001	0.0006667	0.0002887
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		0.0013	0.003	0.0005	<0.0003	4	1	<0.0003	0.003	0.0012375	0.0012698
Metals, Total													
Antimony, Total	mg/L	0.006		NM	NM	<0.003	<0.003	2	2	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		NM	NM	0.002	0.002	2	0	0.002	0.002	0.002	0
Barium, Total	mg/L	2		NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			NM	NM	<0.1	0.3	2	1	<0.1	0.3	0.175	0.1767767
Cadmium, Total	mg/L	0.005		NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	NM	NM	3.48	5.03	2	0	3.48	5.03	4.255	1.0960155
Lead, Total	mg/L			NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	NM	NM	3.4	3.02	2	0	3.02	3.4	3.21	0.2687006
Mercury, Total	mg/L	0.002		<0.0002	<0.001	<0.001	<0.001	4	4	<0.0002	<0.001	<0.001	<0.001
Mercury, Total A3112B	mg/L	0.002		NM	NM	NM	<0.0001	1	1	<0.0001	<0.0001	<0.0001	---
Molybdenum, Total	mg/L			NM	NM	<0.01	<0.1	2	2	<0.01	<0.1	<0.1	<0.1
Nickel, Total	mg/L			NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		NM	NM	0.004	0.002	2	0	0.002	0.004	0.003	0.0014142
Silver, Total	mg/L		0.1	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			NM	NM	8.3	8.8	2	0	8.3	8.8	8.55	0.3535534
Thallium, Total	mg/L	0.002		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				675	675	675	675	Summary Statistics for Hydro ID 675					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/28/2007 10:49:00 AM	11/27/2007 5:34:00 PM	2/5/2008 12:05:00 PM	4/29/2008 5:47:00 PM						
Lab ID				R07100002 -002	R07110303 -007	R08020052 -002	R08040364 -004						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Uranium, Total	mg/L	0.03		NM	NM	0.0387	0.0502	2	0	0.0387	0.0502	0.04445	0.0081317
Zinc, Total	mg/L		5	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		18.8	18.3	29.3	55.2	4	0	18.3	55.2	30.4	17.293737
Gross Beta, Dissolved	pCi/L			18.5	<2	25.3	8 j	4	1	<2	25.3	13.2	10.807096
Gross Gamma, Dissolved	pCi/L			<20	1100	<20	0 j	4	2	<20	1100	280	546.68699
Lead 210, Dissolved	pCi/L			<1	6	<1	0 j	4	2	<1	6	1.75	2.8431204
Polonium 210, Dissolved	pCi/L			<1	<1	2.1	0.6 j	4	2	<1	2.1	0.925	0.7847505
Radium 226, Dissolved	pCi/L	5		<0.2	0.5	<0.2	0.2	4	2	<0.2	0.5	0.225	0.1892969
Thorium 230, Dissolved	pCi/L			<0.2	<0.2	<0.2	0 j	4	3	<0.2	0	0.075	0.05
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			14	<1	<1	-19.2 j	4	2	<1	14	-1.05	13.671503
Polonium 210, Suspended	pCi/L			<1	2	<1	0.3 j	4	2	<1	2	0.825	0.7889867
Radium 226, Suspended	pCi/L	5		2.3	1.7	<0.2	0.7	4	1	<0.2	2.3	1.2	0.9865766
Thorium 230, Suspended	pCi/L			<0.2	1.3	<0.2	0 j	4	2	<0.2	1.3	0.375	0.6184658
Radionuclides, Total													
Lead 210, Total	pCi/L			14	NM	NM	NM	1	0	14	14	14	---
Polonium 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Radium 226, Total	pCi/L	5		2.3	NM	NM	NM	1	0	2.3	2.3	2.3	---
Radon 222, Total	pCi/L			NM	712	783 h	960	3	0	712	960	818.33333	127.71975
Thorium 230, Total	pCi/L			<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Data Quality Parameters													
A/C Balance (± 5)	%			-4.99	1.35	5.71	1.42	4	0	-4.99	5.71	0.8725	4.4082527
Anions	meq/l			84.2	80	77.8	89.5	4	0	77.8	89.5	82.875	5.1532352
Cations	meq/l			76.2	82.2	87.2	92.1	4	0	76.2	92.1	84.425	6.8119381
Solids, Total Dissolved Calculated	mg/L			5280	5200	5180	5830	4	0	5180	5830	5372.5	308.04491
TDS Balance (0.80 - 1.20)	dec. %			1.11	1.17	1.18	0.97	4	0	0.97	1.18	1.1075	0.0967385

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				676	676	676	676	Summary Statistics for Hydro ID 676					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/28/2007 1:46:00 PM	11/27/2007 12:20:00 PM	2/5/2008 4:57:00 PM	4/29/2008 12:27:00 PM						
Lab ID				R07100002-005	R07110303-002	R08020052-007	R08040364-001						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			3251	2732	2942	2920	4	0	2732	3251	2961.25	214.92848
Field Dissolved Oxygen	mg/L			NM	NM	8.24	7.59	2	0	7.59	8.24	7.915	0.4596194
Field pH	s.u.		6.5-8.5	7.02	6.95	7.04	6.91	4	0	6.91	7.04	6.98	0.060553
Field Temperature	Deg C			12.17	10.63	9.94	10.22	4	0	9.94	12.17	10.74	0.9945518
Field Turbidity	NTUs			NM	NM	1000+	21.2	2	0	21.2	1000	510.6	692.11612
Water Level Elevation	ft AMSL			3644.26	3644.03	3643.9	3643.8	4	0	3643.8	3644.26	3643.9975	0.1987251
Physical Properties													
Conductivity @ 25 C	umhos/cm			2880	2860	3010	3100	4	0	2860	3100	2962.5	113.24752
Oxidation-Reduction Potential	mV			NM	250	230	280	3	0	230	280	253.33333	25.166115
pH, Laboratory	s.u.		6.5-8.5	7.13	7.17	7.2	7.46	4	0	7.13	7.46	7.24	0.1494434
Sodium Adsorption Ratio (SAR)	unitless			NM	0.92	0.96	0.93	3	0	0.92	0.96	0.9366667	0.0208167
Solids, Total Dissolved TDS @ 180 C	mg/L		500	3000	2900	2500	2600	4	0	2500	3000	2750	238.04761
Major Ions													
Alkalinity, Total as CaCO3	mg/L			240	228	208	220	4	0	208	240	224	13.466007
Bicarbonate as HCO3	mg/L			293	278	254	268	4	0	254	293	273.25	16.439282
Calcium, Dissolved	mg/L			465 d	514 d	518 d	561	4	0	465	561	514.5	39.264063
Carbonate as CO3	mg/L			<5	<5	<5	<5	4	4	<5	<5	<5	<5
Chloride	mg/L		250	15	16	14	13	4	0	13	16	14.5	1.2909944
Fluoride	mg/L	4	2	0.2	0.2	0.4	0.3	4	0	0.2	0.4	0.275	0.0957427
Magnesium, Dissolved	mg/L			104	113	114	129	4	0	104	129	115	10.36018
Nitrogen, Ammonia as N	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate as N	mg/L	10		1	1	0.7	0.76	4	0	0.7	1	0.865	0.1577973
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.05	4	4	<0.05	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			11.6	12.3	12.7	10.9	4	0	10.9	12.7	11.875	0.7932003
Silica	mg/L			13.7	14.4	14.3	6.4	4	0	6.4	14.4	12.2	3.8790033
Sodium, Dissolved	mg/L			80 d	88.8 d	92.2 l	94 d	4	0	80	94	88.75	6.2190567
Sulfate, Total	mg/L		250	1790 d	1720 d	1670 d	1760	4	0	1670	1790	1735	51.961524
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			0.4	0.4	0.5	0.5	4	0	0.4	0.5	0.45	0.057735
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	4	4	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	4	4	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.02	<0.01	0.02	<0.01	4	2	<0.01	0.02	0.0125	0.0086603
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		0.017	0.014	0.012	0.009	4	0	0.009	0.017	0.013	0.0033665
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0494	0.0548	0.0586	0.0557	4	0	0.0494	0.0586	0.054625	0.0038422
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	0.03	<0.01	<0.01	4	3	<0.01	0.03	0.01125	0.0125
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			NM	0.014	0.012	0.009	3	0	0.009	0.014	0.0116667	0.0025166
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		0.0096	0.0011	0.0702	<0.0003	4	1	<0.0003	0.0702	0.0202625	0.0335617
Metals, Total													
Antimony, Total	mg/L	0.006		NM	NM	<0.003	<0.003	2	2	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		NM	NM	0.021	<0.001	2	1	<0.001	0.021	0.01075	0.0144957
Barium, Total	mg/L	2		NM	NM	0.5	<0.1	2	1	<0.1	0.5	0.275	0.3181981
Beryllium, Total	mg/L	0.004		NM	NM	0.003	<0.001	2	1	<0.001	0.003	0.00175	0.0017678
Boron, Total	mg/L			NM	NM	0.5	0.4	2	0	0.4	0.5	0.45	0.0707107
Cadmium, Total	mg/L	0.005		NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		NM	NM	0.05	<0.05	2	1	<0.05	0.05	0.0375	0.0176777
Copper, Total	mg/L		1	NM	NM	0.12	<0.01	2	1	<0.01	0.12	0.0625	0.0813173
Iron, Total	mg/L		0.3	NM	NM	66 d	0.57	2	0	0.57	66	33.285	46.265997
Lead, Total	mg/L			NM	NM	0.06	<0.001	2	1	<0.001	0.06	0.03025	0.0420729
Manganese, Total	mg/L		0.05	NM	NM	2.52	0.03	2	0	0.03	2.52	1.275	1.7606959
Mercury, Total	mg/L	0.002		<0.0002	<0.001	<0.001	<0.001	4	4	<0.0002	<0.001	<0.001	<0.001
Mercury, Total A3112B	mg/L	0.002		NM	NM	NM	<0.0001	1	1	<0.0001	<0.0001	<0.0001	---
Molybdenum, Total	mg/L			NM	NM	<0.01	<0.1	2	2	<0.01	<0.1	<0.1	<0.1
Nickel, Total	mg/L			NM	NM	0.1	<0.05	2	1	<0.05	0.1	0.0625	0.053033
Selenium, Total	mg/L	0.05		NM	NM	0.013	0.012	2	0	0.012	0.013	0.0125	0.0007071
Silver, Total	mg/L		0.1	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			NM	NM	9.2	8.6	2	0	8.6	9.2	8.9	0.4242641
Thallium, Total	mg/L	0.002		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				676	676	676	676	Summary Statistics for Hydro ID 676					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/28/2007 1:46:00 PM	11/27/2007 12:20:00 PM	2/5/2008 4:57:00 PM	4/29/2008 12:27:00 PM						
Lab ID				R07100002 -005	R07110303 -002	R08020052 -007	R08040364 -001						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Uranium, Total	mg/L	0.03		NM	NM	0.0687	0.0591	2	0	0.0591	0.0687	0.0639	0.0067882
Zinc, Total	mg/L		5	NM	NM	0.28	0.03	2	0	0.03	0.28	0.155	0.1767767
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		37.1	31.9	95.5	51.6	4	0	31.9	95.5	54.025	28.879217
Gross Beta, Dissolved	pCi/L			11.1	21.6	22.1	9.2 j	4	0	9.2	22.1	16	6.8024505
Gross Gamma, Dissolved	pCi/L			1100	1000	<20	0 j	4	1	<20	1100	527.5	604.72446
Lead 210, Dissolved	pCi/L			<1	<1	4.1	-0.9 j	4	2	<1	4.1	1.05	2.1377558
Polonium 210, Dissolved	pCi/L			<1	1.2	2.9	1.1	4	1	<1	2.9	1.425	1.0307764
Radium 226, Dissolved	pCi/L	5		<0.2	<0.2	<0.2	0.2	4	3	<0.2	0.2	0.125	0.05
Thorium 230, Dissolved	pCi/L			<0.2	<0.2	<0.2	0 j	4	3	<0.2	0	0.075	0.05
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			<1	<1	3.8	-6.7 j	4	2	<1	3.8	-0.475	4.431986
Polonium 210, Suspended	pCi/L			<1	<1	2.2	0.1 j	4	2	<1	2.2	0.825	0.9358597
Radium 226, Suspended	pCi/L	5		<0.2	<0.2	11.4	NM	3	2	<0.2	11.4	3.8666667	6.524058
Thorium 230, Suspended	pCi/L			<0.2	<0.2	4.2	0 j	4	2	<0.2	4.2	1.1	2.0672042
Radionuclides, Total													
Lead 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Polonium 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Radium 226, Total	pCi/L	5		<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Radon 222, Total	pCi/L				453	686 h	755	3	0	453	755	631.33333	158.2477
Thorium 230, Total	pCi/L			<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Data Quality Parameters													
A/C Balance (± 5)	%			-3.7	-2.19	0.0941	1.76	4	0	-3.7	1.76	-1.008975	2.416639
Anions	meq/l			38.2	40.9	39.5	41.4	4	0	38.2	41.4	40	1.4445299
Cations	meq/l			35.5	39.1	39.5	430	4	0	35.5	430	136.025	195.99159
Solids, Total Dissolved Calculated	mg/L			2410	2600	2550	2720	4	0	2410	2720	2570	128.32251
TDS Balance (0.80 - 1.20)	dec. %			1.24	1.12	0.98	0.95	4	0	0.95	1.24	1.0725	0.1340087

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				677	677	677	677	Summary Statistics for Hydro ID 677					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/28/2007 12:26:00 PM	11/27/2007 3:20:00 PM	2/5/2008 1:39:00 PM	4/29/2008 3:14:00 PM						
Lab ID				R07100002 -004	R07110303 -004	R08020052 -003	R08040364 -003						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			12220	10253	11186	11363	4	0	10253	12220	11255.5	806.56742
Field Dissolved Oxygen	mg/L			NM	NM	0.55	1	2	0	0.55	1	0.775	0.3181981
Field pH	s.u.		6.5-8.5	6.88	6.9	6.91	6.32	4	0	6.32	6.91	6.7525	0.288603
Field Temperature	Deg C			13.31	11.33	7.67	8.1	4	0	7.67	13.31	10.1025	2.6908409
Field Turbidity	NTUs			NM	NM	6.1	1.4	2	0	1.4	6.1	3.75	3.3234019
Water Level Elevation	ft AMSL			3560.79	3561.18	3562.2	3562.67	4	0	3560.79	3562.67	3561.71	0.8734987
Physical Properties													
Conductivity @ 25 C	umhos/cm			11000	10800	11600	12100	4	0	10800	12100	11375	590.90326
Oxidation-Reduction Potential	mV			NM	200	170	210	3	0	170	210	193.33333	20.81666
pH, Laboratory	s.u.		6.5-8.5	7.09	7.14	7.13	7.28	4	0	7.09	7.28	7.16	0.0828654
Sodium Adsorption Ratio (SAR)	unitless			NM	16	16	17	3	0	16	17	16.333333	0.5773503
Solids, Total Dissolved TDS @ 180 C	mg/L		500	8900	9700	9600	9100	4	0	8900	9700	9325	386.22101
Major Ions													
Alkalinity, Total as CaCO3	mg/L			532	482	494	480	4	0	480	532	497	24.138489
Bicarbonate as HCO3	mg/L			649	588	602	585	4	0	585	649	606	29.608557
Calcium, Dissolved	mg/L			420 d	454 d	478 d	516	4	0	420	516	467	40.414519
Carbonate as CO3	mg/L			<5	<5	<5	<5	4	4	<5	<5	<5	<5
Chloride	mg/L		250	1720 d	1780 d	1290 d	1710 d	4	0	1290	1780	1625	225.46249
Fluoride	mg/L	4	2	<0.1	0.1	<0.1	0.7	4	2	<0.1	0.7	0.225	0.3175426
Magnesium, Dissolved	mg/L			360	395	414	454	4	0	360	454	405.75	39.178013
Nitrogen, Ammonia as N	mg/L			0.2	<0.1	<0.1	<0.1	4	3	<0.1	0.2	0.0875	0.075
Nitrogen, Nitrate as N	mg/L	10		<0.1	0.2	<0.1	0.11	4	2	<0.1	0.2	0.1025	0.0708872
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.05	4	4	<0.05	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			13.2	11	11.3	9.8	4	0	9.8	13.2	11.325	1.4080128
Silica	mg/L			10.2	10	9.4	4.2	4	0	4.2	10.2	8.45	2.8536526
Sodium, Dissolved	mg/L			1810 d	1880 d	2030 d	2140 d	4	0	1810	2140	1965	148.43629
Sulfate, Total	mg/L		250	4390 d	4590 d	4310 d	4410	4	0	4310	4590	4425	118.18065
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.002	<0.001	0.001	0.001	4	1	<0.001	0.002	0.001125	0.0006292
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			0.9	0.8	0.8	0.7	4	0	0.7	0.9	0.8	0.0816497
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	4	4	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	4	4	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	2.89	2.55	2.59	1.62	4	0	1.62	2.89	2.4125	0.5496893
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		0.003	<0.001	<0.001	<0.001	4	3	<0.001	0.003	0.001125	0.00125
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0218	0.0443	0.0402	0.045	4	0	0.0218	0.045	0.037825	0.0108911
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	0.02	0.02	<0.01	<0.01	4	2	<0.01	0.02	0.0125	0.0086603
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		0.027	0.0049	<0.0003	<0.0003	4	2	<0.0003	0.027	0.00805	0.0128302
Metals, Total													
Antimony, Total	mg/L	0.006		NM	NM	<0.003	<0.003	2	2	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		NM	NM	0.001	0.001	2	0	0.001	0.001	0.001	0
Barium, Total	mg/L	2		NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			NM	NM	0.7	0.7	2	0	0.7	0.7	0.7	0
Cadmium, Total	mg/L	0.005		NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	NM	NM	0.12	0.04	2	0	0.04	0.12	0.08	0.0565685
Lead, Total	mg/L			NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	NM	NM	2.65	1.71	2	0	1.71	2.65	2.18	0.6646804
Mercury, Total	mg/L	0.002		<0.0002	<0.001	<0.001	<0.001	4	4	<0.0002	<0.001	<0.001	<0.001
Mercury, Total A3112B	mg/L	0.002		NM	NM	NM	<0.0001	1	1	<0.0001	<0.0001	<0.0001	---
Molybdenum, Total	mg/L			NM	NM	<0.01	<0.1	2	2	<0.01	<0.1	<0.1	<0.1
Nickel, Total	mg/L			NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		NM	NM	0.006	<0.001	2	1	<0.001	0.006	0.00325	0.0038891
Silver, Total	mg/L		0.1	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			NM	NM	10	11.6	2	0	10	11.6	10.8	1.1313708
Thallium, Total	mg/L	0.002		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				677	677	677	677	Summary Statistics for Hydro ID 677					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/28/2007 12:26:00 PM	11/27/2007 3:20:00 PM	2/5/2008 1:39:00 PM	4/29/2008 3:14:00 PM						
Lab ID				R07100002 -004	R07110303 -004	R08020052 -003	R08040364 -003						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Uranium, Total	mg/L	0.03		NM	NM	0.0414	0.0471	2	0	0.0414	0.0471	0.04425	0.0040305
Zinc, Total	mg/L		5	NM	NM	<0.01	0.01	2	1	<0.01	0.01	0.0075	0.0035355
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		41	38.7	129	43.1	4	0	38.7	129	62.95	44.069982
Gross Beta, Dissolved	pCi/L			<2	<2	-2 j	-30 j	4	2	<2	-2	-7.5	15.066519
Gross Gamma, Dissolved	pCi/L			1100	1000	<20	0 j	4	1	<20	1100	527.5	604.72446
Lead 210, Dissolved	pCi/L			<1	1.1	2.1	0 j	4	1	<1	2.1	0.925	0.9032349
Polonium 210, Dissolved	pCi/L			<1	<1	2.2	0.4 j	4	2	<1	2.2	0.9	0.8679478
Radium 226, Dissolved	pCi/L	5		0.9	<0.2	<0.2	0.1	4	2	<0.2	0.9	0.3	0.4
Thorium 230, Dissolved	pCi/L			<0.2	<0.2	<0.2	0 j	4	3	<0.2	0	0.075	0.05
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			<1	<1	<1	-2.3 j	4	3	<1	-2.3	-0.2	1.4
Polonium 210, Suspended	pCi/L			<1	2.5	<1	-0.2 j	4	2	<1	2.5	0.825	1.1644026
Radium 226, Suspended	pCi/L	5		<0.2	2.7	<0.2	0.3	4	2	<0.2	2.7	0.8	1.2701706
Thorium 230, Suspended	pCi/L			<0.2	2.2	0.3	0.1 j	4	1	<0.2	2.2	0.675	1.0210289
Radionuclides, Total													
Lead 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Polonium 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Radium 226, Total	pCi/L	5		<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Radon 222, Total	pCi/L				892	808 h	1250	3	0	808	1250	983.33333	234.72821
Thorium 230, Total	pCi/L			<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Data Quality Parameters													
A/C Balance (± 5)	%			-3.56	-3.76	3.88	2.3	4	0	-3.76	3.88	-0.285	3.9509788
Anions	meq/l			140	148	136	150	4	0	136	150	143.5	6.6080759
Cations	meq/l			130	138	147	157	4	0	130	157	143	11.633286
Solids, Total Dissolved Calculated	mg/L			8510	9070	8830	9550	4	0	8510	9550	8990	438.17805
TDS Balance (0.80 - 1.20)	dec. %			1.04	1.07	1.09	0.95	4	0	0.95	1.09	1.0375	0.0618466

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				678	678	678	678	Summary Statistics for Hydro ID 678					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/28/2007 4:22:00 PM	11/27/2007 1:40:00 PM	2/5/2008 3:39:00 PM	4/29/2008 1:41:00 PM						
Lab ID				R07100002 -007	R07110303 -003	R08020052 -005	R08040364 -002						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			6497	5472	5872	5906	4	0	5472	6497	5936.75	422.29956
Field Dissolved Oxygen	mg/L			NM	NM	1.67	1.4	2	0	1.4	1.67	1.535	0.1909188
Field pH	s.u.		6.5-8.5	6.93	7.05	7.12	6.93	4	0	6.93	7.12	7.0075	0.0939415
Field Temperature	Deg C			13.17	12.02	8.83	9.15	4	0	8.83	13.17	10.7925	2.1376369
Field Turbidity	NTUs			NM	NM	12.5	3	2	0	3	12.5	7.75	6.7175144
Water Level Elevation	ft AMSL			3581.2	3582.08	3582.49	3582.92	4	0	3581.2	3582.92	3582.1725	0.7334564
Physical Properties													
Conductivity @ 25 C	umhos/cm			5710	5780	6020	6300	4	0	5710	6300	5952.5	267.00499
Oxidation-Reduction Potential	mV			NM	210	200	260	3	0	200	260	223.33333	32.145503
pH, Laboratory	s.u.		6.5-8.5	7.23	7.42	7.34	7.55	4	0	7.23	7.55	7.385	0.1347838
Sodium Adsorption Ratio (SAR)	unitless			NM	5	5.2	4.9	3	0	4.9	5.2	5.0333333	0.1527525
Solids, Total Dissolved TDS @ 180 C	mg/L		500	6000	6100	6000	5400	4	0	5400	6100	5875	320.15621
Major Ions													
Alkalinity, Total as CaCO3	mg/L			490	480	468	478	4	0	468	490	479	9.0184995
Bicarbonate as HCO3	mg/L			597	585	570	583	4	0	570	597	583.75	11.056672
Calcium, Dissolved	mg/L			397 d	422 d	428 d	457	4	0	397	457	426	24.644134
Carbonate as CO3	mg/L			<5	<5	<5	<5	4	4	<5	<5	<5	<5
Chloride	mg/L		250	64	61 d	96 d	54	4	0	54	96	68.75	18.643587
Fluoride	mg/L	4	2	0.6	0.9	<0.1	1	4	1	<0.1	1	0.6375	0.4269563
Magnesium, Dissolved	mg/L			398	434	434	500	4	0	398	500	441.5	42.532341
Nitrogen, Ammonia as N	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate as N	mg/L	10		0.2	0.2	0.1	0.09	4	0	0.09	0.2	0.1475	0.0607591
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.05	4	4	<0.05	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			18.9	20.1	20.2	17.4	4	0	17.4	20.2	19.15	1.3076697
Silica	mg/L			14.9	15.4	16.3	7.9	4	0	7.9	16.3	13.625	3.8603756
Sodium, Dissolved	mg/L			564 d	609 d	634 d	643 d	4	0	564	643	612.5	35.388322
Sulfate, Total	mg/L		250	3220 d	3440 d	3540 d	3740	4	0	3220	3740	3485	216.25602
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.002	<0.001	0.001	0.001	4	1	<0.001	0.002	0.001125	0.0006292
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			1.3	1.4	1.6	1.4	4	0	1.3	1.6	1.425	0.1258306
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	4	4	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	4	4	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	2.85	3.31	2.39	2.66	4	0	2.39	3.31	2.8025	0.3874167
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		0.003	<0.001	0.002	<0.001	4	2	<0.001	0.003	0.0015	0.0012247
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0352	0.0349	0.0368	0.0355	4	0	0.0349	0.0368	0.0356	0.0008367
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	0.2	4	3	<0.1	0.2	0.0875	0.075
Zinc, Dissolved	mg/L		5	0.01	0.01	<0.01	<0.01	4	2	<0.01	0.01	0.0075	0.0028868
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			NM	<0.001	0.002	<0.001	3	2	<0.001	0.002	0.001	0.000866
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		0.0032	0.0008	<0.0003	<0.0003	4	2	<0.0003	0.0032	0.001075	0.0014494
Metals, Total													
Antimony, Total	mg/L	0.006		NM	NM	<0.003	<0.003	2	2	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		NM	NM	0.002	0.001	2	0	0.001	0.002	0.0015	0.0007071
Barium, Total	mg/L	2		NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			NM	NM	1.6	1.4	2	0	1.4	1.6	1.5	0.1414214
Cadmium, Total	mg/L	0.005		NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	NM	NM	0.04	<0.03	2	1	<0.03	0.04	0.0275	0.0176777
Lead, Total	mg/L			NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	NM	NM	2.72	2.61	2	0	2.61	2.72	2.665	0.0777817
Mercury, Total	mg/L	0.002		<0.0002	<0.001	<0.001	<0.001	4	4	<0.0002	<0.001	<0.001	<0.001
Mercury, Total A3112B	mg/L	0.002		NM	NM	NM	0.0001 h	1	0	0.0001	0.0001	0.0001	---
Molybdenum, Total	mg/L			NM	NM	0.01	<0.1	2	1	<0.1	0.01	0.03	0.0282843
Nickel, Total	mg/L			NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		NM	NM	0.005	0.003	2	0	0.003	0.005	0.004	0.0014142
Silver, Total	mg/L		0.1	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			NM	NM	10.2	11	2	0	10.2	11	10.6	0.5656854
Thallium, Total	mg/L	0.002		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				678	678	678	678	Summary Statistics for Hydro ID 678					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/28/2007 4:22:00 PM	11/27/2007 1:40:00 PM	2/5/2008 3:39:00 PM	4/29/2008 1:41:00 PM						
Lab ID				R07100002 -007	R07110303 -003	R08020052 -005	R08040364 -002						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Uranium, Total	mg/L	0.03		NM	NM	0.0379	0.0387	2	0	0.0379	0.0387	0.0383	0.0005657
Zinc, Total	mg/L		5	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		23.2	18.9	41.5	54.7	4	0	18.9	54.7	34.575	16.613925
Gross Beta, Dissolved	pCi/L			8.1	35.3	16	12.8 j	4	0	8.1	35.3	18.05	11.948919
Gross Gamma, Dissolved	pCi/L			1100	1100	<20	0 j	4	1	<20	1100	552.5	632.21173
Lead 210, Dissolved	pCi/L			<1	4	3.3	-1.2 j	4	1	<1	4	1.65	2.4283053
Polonium 210, Dissolved	pCi/L			<1	<1	2.4	1.3	4	2	<1	2.4	1.175	0.8995369
Radium 226, Dissolved	pCi/L	5		<0.2	<0.2	<0.2	0.2	4	3	<0.2	0.2	0.125	0.05
Thorium 230, Dissolved	pCi/L			<0.2	<0.2	0.3	0.2	4	2	<0.2	0.3	0.175	0.0957427
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			<1	<1	<1	-1.5 j	4	3	<1	-1.5	0	1
Polonium 210, Suspended	pCi/L			<1	1.3	<1	0 j	4	2	<1	1.3	0.575	0.5377422
Radium 226, Suspended	pCi/L	5		<0.2	0.7	<0.2	0.7	4	2	<0.2	0.7	0.4	0.3464102
Thorium 230, Suspended	pCi/L			<0.2	<0.2	<0.2	0.1 j	4	3	<0.2	0.1	0.1	0
Radionuclides, Total													
Lead 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Polonium 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Radium 226, Total	pCi/L	5		<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Radon 222, Total	pCi/L				391	487 h	687	3	0	391	687	521.66667	151.01435
Thorium 230, Total	pCi/L			<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Data Quality Parameters													
A/C Balance (± 5)	%			-0.532	0.551	-0.31	1.9	4	0	-0.532	1.9	0.40225	1.1023467
Anions	meq/l			78.6	83.1	85.9	89.1	4	0	78.6	89.1	84.175	4.4522466
Cations	meq/l			77.8	84	85.3	92.6	4	0	77.8	92.6	84.925	6.0736453
Solids, Total Dissolved Calculated	mg/L			4950	5280	5440	5730	4	0	4950	5730	5350	325.26912
TDS Balance (0.80 - 1.20)	dec. %			1.21	1.16	1.1	0.95	4	0	0.95	1.21	1.105	0.1126943

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				679	679	679	679	Summary Statistics for Hydro ID 679					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/28/2007 3:04:00 PM	11/14/2007 1:45:00 PM	2/3/2008 4:25:00 PM	5/18/2008 6:00:00 PM						
Lab ID				R07100002 -006	R07110184 -003	R08020006 -001	R08050229 -002						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			2848	2609	2580	2626	4	0	2580	2848	2665.75	122.97527
Field Dissolved Oxygen	mg/L			NM	10.62	8.83	8.87	3	0	8.83	10.62	9.44	1.0221057
Field pH	s.u.		6.5-8.5	7.36	7.52	7.36	7.5	4	0	7.36	7.52	7.435	0.0869866
Field Temperature	Deg C			11.62	10.64	10.61	11.47	4	0	10.61	11.62	11.085	0.5348208
Field Turbidity	NTUs			NM	1092	NM	505	2	0	505	1092	798.5	415.07168
Water Level Elevation	ft AMSL			3685.7	3685.45	3685.42	3685.28	4	0	3685.28	3685.7	3685.4625	0.1748094
Physical Properties													
Conductivity @ 25 C	umhos/cm			2520	2470	1970	2880	4	0	1970	2880	2460	374.25482
Oxidation-Reduction Potential	mV			NM	230	200	240	3	0	200	240	223.33333	20.81666
pH, Laboratory	s.u.		6.5-8.5	7.53	7.34	7.66	7.83	4	0	7.34	7.83	7.59	0.2070427
Sodium Adsorption Ratio (SAR)	unitless			NM	0.84	0.87	0.86	3	0	0.84	0.87	0.8566667	0.0152753
Solids, Total Dissolved TDS @ 180 C	mg/L		500	2500	2600	2500	2500	4	0	2500	2600	2525	50
Major Ions													
Alkalinity, Total as CaCO3	mg/L			140	136	144	158	4	0	136	158	144.5	9.5742711
Bicarbonate as HCO3	mg/L			171	166	176	193	4	0	166	193	176.5	11.733144
Calcium, Dissolved	mg/L			414 d	447 d	440 d	515	4	0	414	515	454	43.07358
Carbonate as CO3	mg/L			<5	<5	<5	<5	4	4	<5	<5	<5	<5
Chloride	mg/L		250	12	12	13	11	4	0	11	13	12	0.8164966
Fluoride	mg/L	4	2	0.3	0.2	0.4	0.4	4	0	0.2	0.4	0.325	0.0957427
Magnesium, Dissolved	mg/L			89	92.5	100	109	4	0	89	109	97.625	8.863549
Nitrogen, Ammonia as N	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate as N	mg/L	10		1.2	1.3	1.3	1.1	4	0	1.1	1.3	1.225	0.0957427
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			12.5	11.4	11.8	11.1	4	0	11.1	12.5	11.7	0.6055301
Silica	mg/L			10.4	12.6	12.7	6	4	0	6	12.7	10.425	3.1351502
Sodium, Dissolved	mg/L			73 d	74.9 d	77.6 d	82 d	4	0	73	82	76.875	3.9033106
Sulfate, Total	mg/L		250	1580 d	1500 d	1420 d	1440 d	4	0	1420	1580	1485	71.879529
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			0.4	0.4	0.4	0.4	4	0	0.4	0.4	0.4	0
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	4	4	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	4	4	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.14	0.04	0.03	0.04	4	0	0.03	0.14	0.0625	0.0518813
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		0.016	0.012	0.013	0.01	4	0	0.01	0.016	0.01275	0.0025
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0157	0.0144	0.0139	0.0112	4	0	0.0112	0.0157	0.0138	0.0018921
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	4	4	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			NM	0.012	0.012	0.01	3	0	0.01	0.012	0.0113	0.0011547
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		0.011	0.0008	0.0007	0.0012	4	0	0.0007	0.011	0.003425	0.0050546
Metals, Total													
Antimony, Total	mg/L	0.006		NM	NM	<0.003	<0.003	2	2	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		NM	NM	0.007	0.011	2	0	0.007	0.011	0.009	0.0028284
Barium, Total	mg/L	2		NM	NM	0.2	0.3	2	0	0.2	0.3	0.25	0.0707107
Beryllium, Total	mg/L	0.004		NM	NM	<0.001	0.002	2	1	<0.001	0.002	0.00125	0.0010607
Boron, Total	mg/L			NM	NM	<0.1	0.4	2	1	<0.1	0.4	0.225	0.2474874
Cadmium, Total	mg/L	0.005		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Chromium, Total	mg/L	0.1		NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	NM	NM	0.02	0.03	2	0	0.02	0.03	0.025	0.0070711
Iron, Total	mg/L		0.3	NM	NM	14.9 d	26.4	2	0	14.9	26.4	20.65	8.131728
Lead, Total	mg/L			NM	NM	0.015	0.022	2	0	0.015	0.022	0.0185	0.0049497
Manganese, Total	mg/L		0.05	NM	NM	0.35	0.57	2	0	0.35	0.57	0.46	0.1555635
Mercury, Total	mg/L	0.002		<0.0002	<0.001	0.00002	<0.0001	4	3	<0.0001	0.00002	0.0001675	0.0002241
Molybdenum, Total	mg/L			NM	NM	0.01	0.02	2	0	0.01	0.02	0.015	0.0070711
Nickel, Total	mg/L			NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		NM	NM	0.014	0.013	2	0	0.013	0.014	0.0135	0.0007071
Silver, Total	mg/L		0.1	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			NM	NM	7.3	7.8	2	0	7.3	7.8	7.55	0.3535534
Thallium, Total	mg/L	0.002		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		NM	NM	0.0154	0.0164	2	0	0.0154	0.0164	0.0159	0.0007071

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				679	679	679	679	Summary Statistics for Hydro ID 679					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/28/2007 3:04:00 PM	11/14/2007 1:45:00 PM	2/3/2008 4:25:00 PM	5/18/2008 6:00:00 PM						
Lab ID				R07100002 -006	R07110184 -003	R08020006 -001	R08050229 -002						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	NM	NM	0.06	0.09	2	0	0.06	0.09	0.075	0.0212132
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		19.9	13.3	18.4	22.4	4	0	13.3	22.4	18.5	3.8392708
Gross Beta, Dissolved	pCi/L			10.7	16.3	7.2	10.8	4	0	7.2	16.3	11.25	3.7598759
Gross Gamma, Dissolved	pCi/L			1200	1500	86	0 j	4	0	0	1500	696.5	765.27707
Lead 210, Dissolved	pCi/L			<1	9.1	<1	4.5 j	4	2	<1	9.1	3.65	4.0934908
Polonium 210, Dissolved	pCi/L			1.1	2.3	<1	-0.1 j	4	1	<1	2.3	0.95	1.0246951
Radium 226, Dissolved	pCi/L	5		<0.2	<0.2	0.9	3.7	4	2	<0.2	3.7	1.2	1.7088007
Thorium 230, Dissolved	pCi/L			<0.2	<0.2	<0.2	0 j	4	3	<0.2	0	0.075	0.05
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			<1	<1	<1	-9.8 j	4	3	<1	-9.8	-2.075	5.15
Polonium 210, Suspended	pCi/L			<1	<1	<1	-0.3 j	4	3	<1	-0.3	0.3	0.4
Radium 226, Suspended	pCi/L	5		2.5	0.5	9	0.2 j	4	0	0.2	9	3.05	4.0959329
Thorium 230, Suspended	pCi/L			1.9	0.3	0.4	1.4	4	0	0.3	1.9	1	0.7788881
Radionuclides, Total													
Lead 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Polonium 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Radium 226, Total	pCi/L	5		2.5	NM	NM	NM	1	0	2.5	2.5	2.5	---
Radon 222, Total	pCi/L			NM	819	2170	1250	3	0	819	2170	1413	690.09202
Thorium 230, Total	pCi/L			1.9	NM	NM	NM	1	0	1.9	1.9	1.9	---
Data Quality Parameters													
A/C Balance (± 5)	%			-1.81	-1.35	1.37	6.81	4	0	-1.81	6.81	1.255	3.960282
Anions	meq/l			32.7	34.4	33	33.6	4	0	32.7	34.4	33.425	0.75
Cations	meq/l			31.5	33.5	33.9	38.5	4	0	31.5	38.5	34.35	2.9591665
Solids, Total Dissolved Calculated	mg/L			2110	2230	2160	2290	4	0	2110	2290	2197.5	78.898669
TDS Balance (0.80 - 1.20)	dec. %			1.19	1.15	1.18	1.09	4	0	1.09	1.19	1.1525	0.045

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				680	680	680	680	680	680	680
Month Sampled				Jan-08	Mar-08	Apr-08	May-08	May-08	Jun-08	Jul-08
Date and Time Collected				1/30/2008 1:50:00 PM	3/31/2008 3:15:00 PM	4/21/2008 9:21:00 PM	5/13/2008 4:06:00 PM	5/21/2008 12:50:00 PM	6/10/2008 10:50:00 AM	7/7/2008 1:29:00 PM
Lab ID				R08010296 -001	R08040002 -002	R08040250 -007	R08050199 -001	R08050321 -002	R08060210 -001	R08070115 -002
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result
Field Parameters										
Field Conductivity	umhos/cm			2386	2196	2594	2558	2582	2687	2707
Field Dissolved Oxygen	mg/L			0.04	0.27	0.27	0.07	0.18	NM	NM
Field pH	s.u.		6.5-8.5	7.1	7.05	7.03	6.94	6.91	6.81	6.31
Field Temperature	Deg C			12.59	12.58	12.42	12.97	13.12	13.02	13.2
Field Turbidity	NTUs			0.3	-0.1	3.8	0.6	0.8	NM	0.5
Water Level Elevation	ft AMSL			3662.68	3662.33	3660.88	NM	NM	3660.56	NM
Physical Properties										
Conductivity @ 25 C	umhos/cm			2630	2560	2510	2580	2860	3060	2490
Oxidation-Reduction Potential	mV			0	180	280	270	160	130	240
pH, Laboratory	s.u.		6.5-8.5	7.26	7.31	7.56	7.14	7.08	7.32	7.27
Sodium Adsorption Ratio (SAR)	unitless			1.8	1.4	1.4	1.4	1.5	1.5	1.5
Solids, Total Dissolved TDS @ 180 C	mg/L		500	2400	2200	2300	2300	2300	2500	2300
Major Ions										
Alkalinity, Total as CaCO3	mg/L			258	264	262	262	254	188	248
Bicarbonate as HCO3	mg/L			315	322	319	319	310	229	302
Calcium, Dissolved	mg/L			343	353	368	421	406	415	404
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	<5	<5
Chloride	mg/L		250	15	15	11	12	12	12	12
Fluoride	mg/L	4	2	0.3	0.3	0.3	0.3	0.5	0.3	0.4
Magnesium, Dissolved	mg/L			113	111	123	129	133	134	126
Nitrogen, Ammonia as N	mg/L			0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.05	0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.05	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			20.7	19.1	19.2	19.5	19.5	19.3	19.4
Silica	mg/L			8.9	8.2	8.3	3.8	4.1	4.4	4.3
Sodium, Dissolved	mg/L			148 d	120	125	126 d	132 d	134 d	131 d
Sulfate, Total	mg/L		250	1420 d	1280 d	1360	1200 d	1370 d	1410	1260 d
Metals, Dissolved										
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.026	0.008	0.007	0.004	0.004	0.002	0.002
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			0.1	0.1	0.1	0.2	0.2	0.2	0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	0.43	0.27	0.25	0.19	0.21	0.06	0.2
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.43	0.4	0.42	0.47	0.48	0.49	0.44
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.005	<0.001	<0.001	<0.005	<0.001	<0.001	0.002
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.172	0.0569	0.0303	0.0213	0.026	0.0227	0.0186
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	0.02	<0.01	0.01	<0.01	0.01	<0.01
Metals, Dissolved, Speciated										
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.002
Metals, Suspended										
Uranium, Suspended	mg/L	0.03		0.0008	<0.0003	<0.0003	0.0004	<0.0003	<0.0003	<0.0003
Metals, Total										
Antimony, Total	mg/L	0.006		NM	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		NM	0.009	0.006	0.005	0.004	0.005 d	0.004
Barium, Total	mg/L	2		NM	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		NM	<0.001	<0.001	<0.001	<0.003	<0.001	<0.001
Boron, Total	mg/L			NM	0.1	0.1	0.1	0.1	0.1	<0.1
Cadmium, Total	mg/L	0.005		NM	<0.005	<0.005	<0.001	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		NM	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	NM	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	NM	0.3	0.29	0.34	0.35	0.28	0.31
Lead, Total	mg/L			NM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	NM	0.43	0.44	0.5	0.52	0.48	0.47
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0001	<0.0002
Mercury, Total A3112B	mg/L	0.002		NM	NM	NM	NM	NM	NM	<0.0001
Molybdenum, Total	mg/L			NM	<0.1	<0.1	<0.01	<0.1	<0.1	<0.1
Nickel, Total	mg/L			NM	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		NM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	NM	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			NM	7.3	7.3	8.1	8.2	8.1	7.6
Thallium, Total	mg/L	0.002		NM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				680	680	680	680	680	680	680
Month Sampled				Jan-08	Mar-08	Apr-08	May-08	May-08	Jun-08	Jul-08
Date and Time Collected				1/30/2008 1:50:00 PM	3/31/2008 3:15:00 PM	4/21/2008 9:21:00 PM	5/13/2008 4:06:00 PM	5/21/2008 12:50:00 PM	6/10/2008 10:50:00 AM	7/7/2008 1:29:00 PM
Lab ID				R08010296 -001	R08040002 -002	R08040250 -007	R08050199 -001	R08050321 -002	R08060210 -001	R08070115 -002
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result
Uranium, Total	mg/L	0.03		NM	0.0541	0.0291	0.0238	0.0273	0.0244	0.0208
Zinc, Total	mg/L		5	NM	0.02	0.02	0.02	0.01	0.01	<0.01
Radionuclides, Dissolved										
Gross Alpha, Dissolved	pCi/L	15		4090	6440	4270	6500	4500	4370	4280
Gross Beta, Dissolved	pCi/L			1330	2320	1390	2250	1530	1320	1090
Gross Gamma, Dissolved	pCi/L			4700	150	1000	940	21000	5700	2300
Lead 210, Dissolved	pCi/L			17	0 j	32	37.7	61.8	15.7	26.5
Polonium 210, Dissolved	pCi/L			1.7	1.5	0.5 j	2	1.5	0.4 j	0.2 j
Radium 226, Dissolved	pCi/L	5		1180	1150	1230	1430	1240	1410	1280
Thorium 230, Dissolved	pCi/L			<0.2	0.2	0.3	0.1 j	0.1 j	0 j	0 j
Radionuclides, Suspended										
Lead 210, Suspended	pCi/L			<1	-2 j	-1 j	20.3 j	6.8 j	12	1.2 j
Polonium 210, Suspended	pCi/L			<1	0.5 j	0.3 j	9.1	1.1	1.3	1.7
Radium 226, Suspended	pCi/L	5		12.7	1.9	1.6	13.2	1	4.4	5
Thorium 230, Suspended	pCi/L			0.3	0.2	0.3	0.4	0 j	0.1 j	0.1 j
Radionuclides, Total										
Radon 222, Total	pCi/L			143000	71800	81000	151000	359000	91700	72000
Data Quality Parameters										
A/C Balance (± 5)	%			-2.45	0.26	0.77	10.2	5.04	6.54	7.57
Anions	meq/l			35.2	32.4	33.9	30.6	33.9	33.4	31.6
Cations	meq/l			33.5	32.5	34.5	37.6	37.5	38.1	36.8
Solids, Total Dissolved Calculated	mg/L			2210	2080	2190	2080	2240	2250	2120
TDS Balance (0.80 - 1.20)	dec. %			1.09	1.05	1.04	1.11	1.04	1.1	1.1

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				680	680	680	680	680	680	680
Month Sampled				Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09
Date and Time Collected				8/20/2008 10:23:00 AM	9/22/2008 11:18:00 AM	10/20/2008 12:05:00 PM	11/18/2008 10:25:00 AM	12/17/2008 1:50:00 PM	1/20/2009 3:25:00 PM	2/24/2009 1:35:00 PM
Lab ID				R08080332 -002	R08090314 -001	R08100295 -003	R08110211 -005	R08120255 -007	R09010301 -011	R09020293 -007
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result
Field Parameters										
Field Conductivity	umhos/cm			2457	2456	2600	2700	3000	2700	2500
Field Dissolved Oxygen	mg/L			NM	0.76	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	6.81	6.85	6.89	6.93	7.03	7.02	7.18
Field Temperature	Deg C			13.11	12.78	13	12.8	11.8	12.3	12.7
Field Turbidity	NTUs			4.7	4.7	NM	NM	NM	NM	NM
Water Level Elevation	ft AMSL			3661.66	3660.76	3660.58	3661.77	3660.98	3660.83	3660.98
Physical Properties										
Conductivity @ 25 C	umhos/cm			2920	2440	2660	2470	2510	2480	2530
Oxidation-Reduction Potential	mV			230	110	210	290	240	260	140
pH, Laboratory	s.u.		6.5-8.5	7.65	7.24	7.6	7.86	7.23	7.12	7.16
Sodium Adsorption Ratio (SAR)	unitless			1.5	1.6	1.6	1.6	1.7	1.7	1.7
Solids, Total Dissolved TDS @ 180 C	mg/L		500	2300	2300	2100	2300	2300	2200	2300
Major Ions										
Alkalinity, Total as CaCO3	mg/L			160	252	338	250	252	252	250
Bicarbonate as HCO3	mg/L			195	307	412	305	307	307	305
Calcium, Dissolved	mg/L			395	402	382	389	396	358	365 d
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	<5	<5
Chloride	mg/L		250	13	12	14	14	13	13	13
Fluoride	mg/L	4	2	0.4	0.4	0.2	0.2	0.2	0.5	0.5
Magnesium, Dissolved	mg/L			129	128	123	123	128	117	121
Nitrogen, Ammonia as N	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			18.8	19.4	18.8	19.2	19.3	19.8	19.2
Silica	mg/L			3.8	8.7	8.4	8.4	9.4	8.7	8.6
Sodium, Dissolved	mg/L			138 d	144	141 d	145 d	151 d	145	145
Sulfate, Total	mg/L		250	1430 d	1400 d	1380 d	1330 d	1310 d	1370 d	1400 d
Metals, Dissolved										
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.002	0.002	0.001	0.002	<0.001	<0.001	0.002
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			0.1	0.1	0.1	0.1	0.2	<0.1	0.2
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	0.2	0.24	0.07	0.12	0.05	<0.03	<0.03
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.46	0.46	0.41	0.43	0.49	0.47	0.44
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0188	0.0191	0.0176	0.0196	0.0199	0.0205	0.0185
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01
Metals, Dissolved, Speciated										
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Metals, Suspended										
Uranium, Suspended	mg/L	0.03		<0.0003	0.0003	0.0003	<0.0003	<0.0009	<0.0003	<0.0003
Metals, Total										
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.005 d	0.002	0.007 l	0.002	0.001	0.001	0.002
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.003	<0.002	<0.001	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			0.1	0.1	0.1	0.1	0.1	0.1	0.1
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.31	0.33	0.29	0.28	0.35	0.3 d	0.24
Lead, Total	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	0.46	0.46	0.44	0.43	0.44	0.46	0.44
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Mercury, Total A3112B	mg/L	0.002		NM	NM	NM	NM	NM	NM	NM
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.003	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			7.2	7.3	7.2	7	7.2	7.1	7.2
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				680	680	680	680	680	680	680
Month Sampled				Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09
Date and Time Collected				8/20/2008 10:23:00 AM	9/22/2008 11:18:00 AM	10/20/2008 12:05:00 PM	11/18/2008 10:25:00 AM	12/17/2008 1:50:00 PM	1/20/2009 3:25:00 PM	2/24/2009 1:35:00 PM
Lab ID				R08080332 -002	R08090314 -001	R08100295 -003	R08110211 -005	R08120255 -007	R09010301 -011	R09020293 -007
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result
Uranium, Total	mg/L	0.03		0.018 d	0.0177 d	0.021	0.0174	0.0203	0.022	0.0206
Zinc, Total	mg/L		5	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01
Radionuclides, Dissolved										
Gross Alpha, Dissolved	pCi/L	15		4330	5470	4200	4410	5140	6730	5140
Gross Beta, Dissolved	pCi/L			1190	2290	1190	1840	2070	1790	1210
Gross Gamma, Dissolved	pCi/L			3200	820	4400	1200	1500	1700	1000
Lead 210, Dissolved	pCi/L			15.2	14.3	18.2	9.3	6.4	5.4	10.6
Polonium 210, Dissolved	pCi/L			0.6 j	0.2 j	0.3 j	1 j	0.7 j	0.53 j	0.069 j
Radium 226, Dissolved	pCi/L	5		1270	1440	1190	1430	1110	1360	1330
Thorium 230, Dissolved	pCi/L			0.2 j	<0.2	0 j	0.1 j	0 j	0 j	-0.009 j
Radionuclides, Suspended										
Lead 210, Suspended	pCi/L			-4 j	4.5 j	4.1 j	-0.5 j	5.9 j	6.2 j	4.1 j
Polonium 210, Suspended	pCi/L			1 j	0.54 j	1.4	0.88	2.8	2	0.64
Radium 226, Suspended	pCi/L	5		2.1	5.1	6.9	1.7	13.1	13.3	6.4
Thorium 230, Suspended	pCi/L			0.2 j	0 j	-0.1 j	0.1 j	-0.3 j	-0.2 j	0.03 j
Radionuclides, Total										
Radon 222, Total	pCi/L			112000	72700	74300	86200	62200	48000	56800
Data Quality Parameters										
A/C Balance (± 5)	%			5.11	3.94	-0.23	4.57	6.75	0.67	0.76
Anions	meq/l			33.2	34.6	36	33.2	32.7	33.9	34.4
Cations	meq/l			36.8	37.4	35.8	36.3	37.4	34.3	35
Solids, Total Dissolved Calculated	mg/L			2230	2280	2290	2200	2190	2190	2230
TDS Balance (0.80 - 1.20)	dec. %			1.03	1	0.91	1.05	1.05	0.99	1.04

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

Dewey-Burdock Hydro ID Month Sampled Date and Time Collected Lab ID				Summary Statistics for Hydro ID 680					
Analyte	Units	Federal MCL	Secondary Standard	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters									
Field Conductivity	umhos/cm			14	0	2196	3000	2580.2143	187.25925
Field Dissolved Oxygen	mg/L			6	0	0.04	0.76	0.265	0.2611322
Field pH	s.u.		6.5-8.5	14	0	6.31	7.18	6.9185714	0.2063924
Field Temperature	Deg C			14	0	11.8	13.2	12.742143	0.3849311
Field Turbidity	NTUs			8	0	-0.1	4.7	1.9125	2.0945081
Water Level Elevation	ft AMSL			11	0	3660.56	3662.68	3661.2736	0.7257999
Physical Properties									
Conductivity @ 25 C	umhos/cm			14	0	2440	3060	2621.4286	190.49963
Oxidation-Reduction Potential	mV			14	0	0	290	195.71429	81.118554
pH, Laboratory	s.u.		6.5-8.5	14	0	7.08	7.86	7.3428571	0.2329552
Sodium Adsorption Ratio (SAR)	unitless			14	0	1.4	1.8	1.5642857	0.1277446
Solids, Total Dissolved TDS @ 180 C	mg/L		500	14	0	2100	2500	2292.8571	91.687477
Major Ions									
Alkalinity, Total as CaCO3	mg/L			14	0	160	338	249.28571	39.47819
Bicarbonate as HCO3	mg/L			14	0	195	412	303.85714	48.145384
Calcium, Dissolved	mg/L			14	0	343	421	385.5	24.39341
Carbonate as CO3	mg/L			14	14	<5	<5	<5	<5
Chloride	mg/L		250	14	0	11	15	12.928571	1.2066665
Fluoride	mg/L	4	2	14	0	0.2	0.5	0.3428571	0.108941
Magnesium, Dissolved	mg/L			14	0	111	134	124.14286	6.8932201
Nitrogen, Ammonia as N	mg/L			14	13	<0.1	0.2	0.0607143	0.0400892
Nitrogen, Nitrate as N	mg/L	10		14	13	<0.05	0.1	0.0517857	0.0153932
Nitrogen, Nitrite as N	mg/L	1		14	14	<0.05	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			14	0	18.8	20.7	19.371429	0.4648053
Silica	mg/L			14	0	3.8	9.4	7	2.2820369
Sodium, Dissolved	mg/L			14	0	120	151	137.5	9.5896579
Sulfate, Total	mg/L		250	14	0	1200	1430	1351.4286	67.465905
Metals, Dissolved									
Aluminum, Dissolved	mg/L		0.05-0.2	14	14	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		14	2	<0.001	0.026	0.0045	0.0065809
Barium, Dissolved	mg/L	2		14	14	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			14	1	<0.1	0.2	0.1321429	0.0540909
Cadmium, Dissolved	mg/L	0.005		14	14	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		14	14	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	14	14	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	14	2	<0.03	0.43	0.1657143	0.1175038
Lead, Dissolved	mg/L			14	14	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	14	0	0.4	0.49	0.4492857	0.0292112
Mercury, Dissolved	mg/L	0.002		14	14	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			14	14	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			14	14	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		14	13	<0.001	0.002	0.0008929	0.0007888
Silver, Dissolved	mg/L		0.1	14	14	<0.005	<0.01	<0.01	<0.01
Thorium 232, Dissolved	mg/L			14	14	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		14	0	0.0176	0.172	0.0344143	0.0408755
Vanadium, Dissolved	mg/L			14	14	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	14	10	<0.01	0.02	0.0071429	0.0042582
Metals, Dissolved, Speciated									
Selenium-IV, Dissolved	mg/L			14	14	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			14	13	<0.001	0.002	0.0006071	0.0004009
Metals, Suspended									
Uranium, Suspended	mg/L	0.03		14	10	<0.0003	0.0008	0.0002571	0.000188
Metals, Total									
Antimony, Total	mg/L	0.006		13	13	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		13	0	0.001	0.009	0.0040769	0.0024311
Barium, Total	mg/L	2		13	13	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		13	13	<0.001	<0.003	<0.003	<0.003
Boron, Total	mg/L			13	1	<0.1	0.1	0.0961538	0.0138675
Cadmium, Total	mg/L	0.005		13	13	<0.001	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		13	13	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	13	13	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	13	0	0.24	0.35	0.3053846	0.0315213
Lead, Total	mg/L			13	13	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	13	0	0.43	0.52	0.4592308	0.0275262
Mercury, Total	mg/L	0.002		14	14	<0.0001	<0.001	<0.001	<0.001
Mercury, Total A3112B	mg/L	0.002		1	1	<0.0001	<0.0001	<0.0001	---
Molybdenum, Total	mg/L			13	13	<0.01	<0.1	<0.1	<0.1
Nickel, Total	mg/L			13	13	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		13	13	<0.001	<0.005	<0.005	<0.005
Silver, Total	mg/L		0.1	13	13	<0.005	<0.02	<0.02	<0.02
Strontium, Total	mg/L			13	0	7	8.2	7.4461538	0.4155626
Thallium, Total	mg/L	0.002		13	13	<0.001	<0.001	<0.001	<0.001

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID Month Sampled Date and Time Collected Lab ID				Summary Statistics for Hydro ID 680					
Analyte	Units	Federal MCL	Secondary Standard	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Uranium, Total	mg/L	0.03		13	0	0.0174	0.0541	0.0243462	0.0096146
Zinc, Total	mg/L		5	13	7	<0.01	0.02	0.0096154	0.0062788
Radionuclides, Dissolved									
Gross Alpha, Dissolved	pCi/L	15		14	0	4090	6730	4990.7143	942.12088
Gross Beta, Dissolved	pCi/L			14	0	1090	2320	1629.2857	453.04889
Gross Gamma, Dissolved	pCi/L			14	0	150	21000	3543.5714	5297.546
Lead 210, Dissolved	pCi/L			14	0	0	61.8	19.292857	15.997618
Polonium 210, Dissolved	pCi/L			14	0	0.069	2	0.7999286	0.6292401
Radium 226, Dissolved	pCi/L	5		14	0	1110	1440	1289.2857	112.07582
Thorium 230, Dissolved	pCi/L			14	2	<0.2	0.3	0.0850714	0.0955796
Radionuclides, Suspended									
Lead 210, Suspended	pCi/L			14	1	<1	20.3	4.15	6.2712715
Polonium 210, Suspended	pCi/L			14	1	<1	9.1	1.6971429	2.2385003
Radium 226, Suspended	pCi/L	5		14	0	1	13.3	6.3142857	4.7978933
Thorium 230, Suspended	pCi/L			14	0	-0.3	0.4	0.0807143	0.1960559
Radionuclides, Total									
Radon 222, Total	pCi/L			14	0	48000	359000	105835.71	78839.004
Data Quality Parameters									
A/C Balance (± 5)	%			14	0	-2.45	10.2	3.5357143	3.6196658
Anions	meq/l			14	0	30.6	36	33.5	1.406031
Cations	meq/l			14	0	32.5	38.1	35.964286	1.7358692
Solids, Total Dissolved Calculated	mg/L			14	0	2080	2290	2198.5714	65.616267
TDS Balance (0.80 - 1.20)	dec. %			14	0	0.91	1.11	1.0428571	0.0525399

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				681	681	681	681	681	681
Month Sampled				Jan-08	Mar-08	Apr-08	May-08	May-08	Jun-08
Date and Time Collected				1/30/2008 3:40:00 PM	3/30/2008 5:50:00 PM	4/21/2008 8:06:00 PM	5/12/2008 12:45:00 PM	5/18/2008 11:18:00 AM	6/25/2008 5:30:00 PM
Lab ID				R08010296 -002	R08030315 -008	R08040250 -006	R08050143 -001	R08050229 -001	R08060452 -003
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result
Field Parameters									
Field Conductivity	umhos/cm			1203	1176	1350	1341	1283	1362
Field Dissolved Oxygen	mg/L			0.57	0.14	0.3	0.27	0.09	NM
Field pH	s.u.		6.5-8.5	7.81	7.71	7.75	7.71	7.62	7.76
Field Temperature	Deg C			14.32	14.5	14.62	15.5	16.08	14.54
Field Turbidity	NTUs			0.2	0	3.8	0.7	0.8	0.1
Water Level Elevation	ft AMSL			3641.22	NM	NM	3644.75	NM	3642.95
Physical Properties									
Conductivity @ 25 C	umhos/cm			1320	1320	1330	1390	1500	1390
Oxidation-Reduction Potential	mV			0	170	280	240	220	140
pH, Laboratory	s.u.		6.5-8.5	7.98	7.8	8.02	7.91	8.15	7.99
Sodium Adsorption Ratio (SAR)	unitless			5.4	5.4	5.5	5.6	5.8	5.7
Solids, Total Dissolved TDS @ 180 C	mg/L		500	930	910	940	900	890	880
Major Ions									
Alkalinity, Total as CaCO3	mg/L			174	172	172	174	180	170
Bicarbonate as HCO3	mg/L			212	210	210	212	219	207
Calcium, Dissolved	mg/L			60.3	59.9	62	65.5	68.4	62.3
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	<5
Chloride	mg/L		250	13	17	13	15	16	15
Fluoride	mg/L	4	2	0.4	0.4	0.4	0.6	0.5	0.4
Magnesium, Dissolved	mg/L			22.3	23.9	25	25.1	25.5	24
Nitrogen, Ammonia as N	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.05	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			10.3	9.2	10	9.6	9.6	9.7
Silica	mg/L			8.1	7.2	7.2	4	4.3	3.9
Sodium, Dissolved	mg/L			192 d	197	204	212 d	221 d	210 d
Sulfate, Total	mg/L		250	498 d	478 d	466	449 d	465 d	449
Metals, Dissolved									
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.003	0.002	0.002	0.002	0.002	0.002
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			0.004	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.09	0.08	0.09	0.1	0.1	0.08
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.005	<0.001	<0.001	<0.005	<0.005	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0117	0.0092	0.0098	0.0095	0.0096	0.0097
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	0.01	<0.01	<0.01
Metals, Dissolved, Speciated									
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Metals, Suspended									
Uranium, Suspended	mg/L	0.03		0.001	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Metals, Total									
Antimony, Total	mg/L	0.006		NM	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		NM	0.005 d	0.002	0.003	0.004	0.001
Barium, Total	mg/L	2		NM	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		NM	<0.001	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			NM	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		NM	<0.005	<0.005	<0.001	<0.001	<0.005
Chromium, Total	mg/L	0.1		NM	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	NM	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	NM	<0.03	<0.03	0.04	0.05	0.04
Lead, Total	mg/L			NM	<0.001	<0.001	<0.001	<0.001	0.013 d
Manganese, Total	mg/L		0.05	NM	0.08	0.09	0.1	0.09	0.08
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.0001	<0.0001	<0.0002
Mercury, Total A3112B	mg/L	0.002		NM	NM	NM	NM	NM	NM
Molybdenum, Total	mg/L			NM	<0.1	<0.1	<0.01	<0.01	<0.1
Nickel, Total	mg/L			NM	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		NM	<0.001	<0.001	<0.001	<0.001	0.002 d
Silver, Total	mg/L		0.1	NM	<0.005	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			NM	1.2	1.2	1.3	1.3	1.1
Thallium, Total	mg/L	0.002		NM	<0.001	<0.001	<0.001	<0.001	<0.001

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				681	681	681	681	681	681
Month Sampled				Jan-08	Mar-08	Apr-08	May-08	May-08	Jun-08
Date and Time Collected				1/30/2008 3:40:00 PM	3/30/2008 5:50:00 PM	4/21/2008 8:06:00 PM	5/12/2008 12:45:00 PM	5/18/2008 11:18:00 AM	6/25/2008 5:30:00 PM
Lab ID				R08010296 -002	R08030315 -008	R08040250 -006	R08050143 -001	R08050229 -001	R08060452 -003
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result
Uranium, Total	mg/L	0.03		NM	0.0099	0.0102	0.0104	0.0108	0.0102
Zinc, Total	mg/L		5	NM	<0.01	<0.01	<0.01	0.01	<0.01
Radionuclides, Dissolved									
Gross Alpha, Dissolved	pCi/L	15		656	2170	1400	2220	1220	1390
Gross Beta, Dissolved	pCi/L			226	659	430	675	304	364
Gross Gamma, Dissolved	pCi/L			13000	2300	3400	290	6600	210
Lead 210, Dissolved	pCi/L			46	0 j	49.9	40.5	38.2	42.2
Polonium 210, Dissolved	pCi/L			2.6	0.6 j	3.5	1.6	1.2	0.7 j
Radium 226, Dissolved	pCi/L	5		421	414	377	407	423	434
Thorium 230, Dissolved	pCi/L			<0.2	0.3	0 j	0 j	0.1 j	0 j
Radionuclides, Suspended									
Lead 210, Suspended	pCi/L			1.7	16.8	16.7	20.8	20.2	6.2 j
Polonium 210, Suspended	pCi/L			1.6	1.2	0 j	2.4	3.2	1.4
Radium 226, Suspended	pCi/L	5		9.9	3.5	0.2 j	1.8	1.6	0.7
Thorium 230, Suspended	pCi/L			<0.2	0.2 j	0.2 j	0.7	0.1 j	0 j
Radionuclides, Total									
Radon 222, Total	pCi/L			462000	254000	253000	246	462000	389000
Data Quality Parameters									
A/C Balance (± 5)	%			-2.72	-0.5	2.67	5.47	5.53	4.51
Anions	meq/l			14.2	13.9	13.5	13.3	13.8	13.2
Cations	meq/l			13.5	13.8	14.3	14.8	15.4	14.5
Solids, Total Dissolved Calculated	mg/L			901	908	903	891	926	883
TDS Balance (0.80 - 1.20)	dec. %			1.03	1.01	1.04	1.01	0.97	0.99

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				681	681	681	681	681	681
Month Sampled				Jul-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08
Date and Time Collected				7/1/2008 4:54:00 PM	7/14/2008 5:04:00 PM	8/19/2008 7:08:00 PM	9/23/2008 1:55:00 PM	10/20/2008 3:00:00 PM	11/18/2008 1:55:00 PM
Lab ID				R08070035 -005	R08070244 -009	R08080301 -004	R08090356 -002	R08100295 -009	R08110211 -012
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result
Field Parameters									
Field Conductivity	umhos/cm			1373	1371	1271	1410	1380	1390
Field Dissolved Oxygen	mg/L			0.07	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	7.45	7.75	7.26	7.71	7.71	7.69
Field Temperature	Deg C			14.66	14.82	14.96	15.2	14.3	14.8
Field Turbidity	NTUs			-0.1	4.9	4.6	NM	NM	NM
Water Level Elevation	ft AMSL			3642	3643.94	3644.88	3643.87	3641.56	3645.48
Physical Properties									
Conductivity @ 25 C	umhos/cm			1230	1380	1450	1020	1380	1270
Oxidation-Reduction Potential	mV			220	150	160	210	210	280
pH, Laboratory	s.u.		6.5-8.5	7.85	7.85	8.01	7.84	8.06	8.16
Sodium Adsorption Ratio (SAR)	unitless			5.7	5.9	5.9	5.7	6	5.9
Solids, Total Dissolved TDS @ 180 C	mg/L		500	920	920	920	890	880	900
Major Ions									
Alkalinity, Total as CaCO3	mg/L			174	172	172	174	176	172
Bicarbonate as HCO3	mg/L			212	210	210	212	215	210
Calcium, Dissolved	mg/L			67.4	60.6	66.5	65	61.4	64.7
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	<5
Chloride	mg/L		250	16	17	16	16	17	16
Fluoride	mg/L	4	2	0.5	0.6	0.5	0.5	0.4	0.4
Magnesium, Dissolved	mg/L			25.8	24.3	24.7	24.6	23.2	24.5
Nitrogen, Ammonia as N	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			9.7	13.7	9.8	9.3	9.5	9.7
Silica	mg/L			4.4	1.9	3.9	8.5	8.5	8.7
Sodium, Dissolved	mg/L			218 d	214 d	222 d	212	216 d	218 d
Sulfate, Total	mg/L		250	457	619	489 d	515 d	491 d	478 d
Metals, Dissolved									
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.002	0.002	0.002	0.002	0.003	0.002
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.09	0.09	0.09	0.07	0.08	0.08
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0094	0.0097	0.01	0.0093	0.0094	0.0098
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated									
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Metals, Suspended									
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Metals, Total									
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		<0.002	0.024	0.001	0.002	0.003	0.002
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.04	0.06	0.06	0.07	0.06	0.06
Lead, Total	mg/L			0.006 d	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	0.08	0.09	0.09	0.08	0.08	0.09
Mercury, Total	mg/L	0.002		<0.0002	<0.0002	<0.001	<0.001	<0.001	<0.001
Mercury, Total A3112B	mg/L	0.002		<0.0001	NM	NM	NM	NM	NM
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.002	0.002 d	<0.001	<0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			1.2	1.3	1.2	1.2	1.2	1.1
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				681	681	681	681	681	681
Month Sampled				Jul-08	Jul-08	Aug-08	Sep-08	Oct-08	Nov-08
Date and Time Collected				7/1/2008 4:54:00 PM	7/14/2008 5:04:00 PM	8/19/2008 7:08:00 PM	9/23/2008 1:55:00 PM	10/20/2008 3:00:00 PM	11/18/2008 1:55:00 PM
Lab ID				R08070035 -005	R08070244 -009	R08080301 -004	R08090356 -002	R08100295 -009	R08110211 -012
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result
Uranium, Total	mg/L	0.03		0.0092	0.0104	0.0037	0.0098	0.0102	0.0087
Zinc, Total	mg/L		5	0.09 d	<0.01	<0.01	<0.01	<0.01	<0.01
Radionuclides, Dissolved									
Gross Alpha, Dissolved	pCi/L	15		1180	2170	1430	1180	1440	1850
Gross Beta, Dissolved	pCi/L			326	583	423	264	412	605
Gross Gamma, Dissolved	pCi/L			1500	13000	2800	1200	22000	2100
Lead 210, Dissolved	pCi/L			30	26.3	32.2	28.3	22.6	29
Polonium 210, Dissolved	pCi/L			0.7 j	3.1	3.7	0.8 j	5.1	2.9
Radium 226, Dissolved	pCi/L	5		357	418	362	445	356	398
Thorium 230, Dissolved	pCi/L			0 j	0.1 j	0 j	0 j	0.1 j	0.1 j
Radionuclides, Suspended									
Lead 210, Suspended	pCi/L			5.3 j	3.7 j	-1 j	4.9 j	18	10.8
Polonium 210, Suspended	pCi/L			1.5	0.9 j	0.6 j	0.88	1.5	2.2
Radium 226, Suspended	pCi/L	5		1.3	0.6 j	0.8	0.9	1.3	0.08 j
Thorium 230, Suspended	pCi/L			-0.1 j	0.1 j	0 j	0.1 j	-0.2 j	0 j
Radionuclides, Total									
Radon 222, Total	pCi/L			281000	244000	318000	304000	344000	335000
Data Quality Parameters									
A/C Balance (± 5)	%			6.24	-0.02	4.01	0.19	1.42	3.94
Anions	meq/l			13.4	14.7	14.1	14.7	14.2	13.9
Cations	meq/l			15.2	14.7	15.3	14.7	14.6	15
Solids, Total Dissolved Calculated	mg/L			910	955	942	969	947	939
TDS Balance (0.80 - 1.20)	dec. %			1.01	0.96	0.98	0.92	0.93	0.96

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				681	681	681	Summary Statistics for Hydro ID 681					
Month Sampled				Dec-08	Jan-08	Feb-08						
Date and Time Collected				12/17/2008 10:48:00 AM	1/20/2009 12:50:00 PM	2/24/2009 4:18:00 PM						
Lab ID				R08120255 -002	R09010301 -007	R09020293 -011						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters												
Field Conductivity	umhos/cm			1410	1400	1360	15	0	1176	1410	1338.67	72.792922
Field Dissolved Oxygen	mg/L			NM	NM	NM	6	0	0.07	0.57	0.24	0.1869759
Field pH	s.u.		6.5-8.5	7.76	7.9	7.84	15	0	7.26	7.9	7.70	0.157338
Field Temperature	Deg C			12.2	13.3	14.3	15	0	12.2	16.08	14.54	0.8964374
Field Turbidity	NTUs			NM	NM	NM	9	0	-0.1	4.9	1.67	2.1154196
Water Level Elevation	ft AMSL			3645.94	3645.48	3658.86	12	0	3641.22	3658.86	3645.08	4.6237905
Physical Properties												
Conductivity @ 25 C	umhos/cm			1260	1310	1300	15	0	1020	1500	1323.33	110.49671
Oxidation-Reduction Potential	mV			290	270	140	15	0	0	290	198.67	75.863286
pH, Laboratory	s.u.		6.5-8.5	7.82	7.85	7.83	15	0	7.8	8.16	7.94	0.1205859
Sodium Adsorption Ratio (SAR)	unitless			5.9	6.2	5.4	15	0	5.4	6.2	5.73	0.2410295
Solids, Total Dissolved TDS @ 180 C	mg/L		500	900	940	900	15	0	880	940	908.00	19.712215
Major Ions												
Alkalinity, Total as CaCO3	mg/L			170	170	174	15	0	170	180	173.07	2.6040262
Bicarbonate as HCO3	mg/L			207	207	212	15	0	207	219	211.00	3.1396087
Calcium, Dissolved	mg/L			62.9	53.6	63 d	15	0	53.6	68.4	62.90	3.6726791
Carbonate as CO3	mg/L			<5	<5	<5	15	15	<5	<5	<5	<5
Chloride	mg/L		250	15	13	13	15	0	13	17	15.20	1.5212777
Fluoride	mg/L	4	2	0.4	0.6	0.5	15	0	0.4	0.6	0.47	0.0798809
Magnesium, Dissolved	mg/L			23.9	20.9	24.4	15	0	20.9	25.8	24.14	1.2511709
Nitrogen, Ammonia as N	mg/L			<0.1	<0.1	<0.1	15	15	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	15	15	<0.05	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	15	15	<0.05	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			9.7	10	10.3	15	0	9.2	13.7	10.01	1.06802
Silica	mg/L			9.3	7.8	7.9	15	0	1.9	9.3	6.37	2.3575007
Sodium, Dissolved	mg/L			215 d	213	200	15	0	192	222	210.93	8.8758635
Sulfate, Total	mg/L		250	453 d	465 d	479 d	15	0	449	619	483.40	42.031961
Metals, Dissolved												
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	15	15	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.001	0.002	0.002	15	0	0.001	0.003	0.00	0.0004577
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	15	15	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	15	14	<0.1	0.1	0.05	0.0129099
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	15	15	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	15	15	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	15	15	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	15	15	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	15	14	<0.001	0.004	0.00	0.0009037
Manganese, Dissolved	mg/L		0.05	0.09	0.07	0.08	15	0	0.07	0.1	0.09	0.0091548
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	15	15	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	15	15	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	15	15	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	15	15	<0.001	<0.005	<0.005	<0.005
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	15	15	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	15	15	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0083	0.0081	0.0092	15	0	0.0081	0.0117	0.01	0.0008017
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	15	15	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	15	14	<0.01	0.01	0.01	0.001291
Metals, Dissolved, Speciated												
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	15	15	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	15	15	<0.001	<0.001	<0.001	<0.001
Metals, Suspended												
Uranium, Suspended	mg/L	0.03		<0.0009	<0.0003	<0.0003	15	14	<0.0003	0.001	0.00	0.0002275
Metals, Total												
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	14	14	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.002	0.001	0.002	14	1	<0.002	0.024	0.004	0.0059379
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	14	14	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	14	14	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			<0.1	<0.1	<0.2	14	14	<0.1	<0.2	<0.2	<0.2
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	14	14	<0.001	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	14	14	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	14	14	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.09	0.07 d	0.04	14	2	<0.03	0.09	0.05	0.0208342
Lead, Total	mg/L			<0.001	<0.001	<0.001	14	12	<0.001	0.013	0.002	0.0035448
Manganese, Total	mg/L		0.05	0.08	0.07	0.08	14	0	0.07	0.1	0.08	0.0075593
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	15	15	<0.0001	<0.001	<0.001	<0.001
Mercury, Total A3112B	mg/L	0.002		NM	NM	NM	1	1	<0.0001	<0.0001	<0.0001	---
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	14	14	<0.01	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	14	14	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.001	<0.001	14	12	<0.001	0.002	0.001	0.000546
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	14	14	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			1.1	1.1	1.2	14	0	1.1	1.3	1.19	0.0730046
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	14	14	<0.001	<0.001	<0.001	<0.001

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				681	681	681	Summary Statistics for Hydro ID 681					
Month Sampled				Dec-08	Jan-08	Feb-08						
Date and Time Collected				12/17/2008 10:48:00 AM	1/20/2009 12:50:00 PM	2/24/2009 4:18:00 PM						
Lab ID				R08120255 -002	R09010301 -007	R09020293 -011						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Uranium, Total	mg/L	0.03		0.0077	0.0084	0.0086	14	0	0.0037	0.0108	0.01	0.001819
Zinc, Total	mg/L		5	<0.01	0.01	<0.01	14	11	<0.01	0.09	0.01	0.0225838
Radionuclides, Dissolved												
Gross Alpha, Dissolved	pCi/L	15		1560	1210	1460	15	0	656	2220	1502.40	435.40208
Gross Beta, Dissolved	pCi/L			526	361	402	15	0	226	675	437.33	141.6856
Gross Gamma, Dissolved	pCi/L			320	190	6000	15	0	190	22000	4994.00	6327.4694
Lead 210, Dissolved	pCi/L			10.7	11.5	37.6	15	0	0	49.9	29.67	13.95491
Polonium 210, Dissolved	pCi/L			4.8	3.8	0.28 j	15	0	0.28	5.1	2.36	1.6217005
Radium 226, Dissolved	pCi/L	5		291	258	336	15	0	258	445	379.80	53.786881
Thorium 230, Dissolved	pCi/L			0.1 j	0.1 j	-0.001 j	15	1	<0.2	0.3	0.07	0.0817084
Radionuclides, Suspended												
Lead 210, Suspended	pCi/L			24.2	2.2 j	25.9	15	0	-1	25.9	11.76	9.0134661
Polonium 210, Suspended	pCi/L			9.2	1.7	2.3	15	0	0	9.2	2.04	2.1334408
Radium 226, Suspended	pCi/L	5		1.5	1.1	1.3	15	0	0.08	9.9	1.77	2.3880153
Thorium 230, Suspended	pCi/L			-0.1 j	0.1 j	0.1 j	15	1	<0.2	0.7	0.09	0.2030717
Radionuclides, Total												
Radon 222, Total	pCi/L			2200	133000	389000	15	0	246	462000	278030	141127.83
Data Quality Parameters												
A/C Balance (± 5)	%			5.22	1.57	0.99	15	0	-2.72	6.24	2.57	2.6724446
Anions	meq/l			13.3	13.5	13.9	15	0	13.2	14.7	13.84	0.4807732
Cations	meq/l			14.7	13.9	14.1	15	0	13.5	15.4	14.57	0.560187
Solids, Total Dissolved Calculated	mg/L			907	899	916	15	0	883	969	919.73	25.305185
TDS Balance (0.80 - 1.20)	dec. %			0.99	1.05	0.98	15	0	0.92	1.05	0.99	0.0375817

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				682	Summary Statistics for Hydro ID 682					
Month Sampled				Jul-08						
Date and Time Collected				7/7/2008 3:22:00 PM						
Lab ID				R08070115 -003						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters										
Field Conductivity	umhos/cm			2531	1	0	2531	2531	2531	---
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	6.93	1	0	6.93	6.93	6.93	---
Field Temperature	Deg C			13.11	1	0	13.11	13.11	13.11	---
Field Turbidity	NTUs			32	1	0	32	32	32	---
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM
Physical Properties										
Conductivity @ 25 C	umhos/cm			2360	1	0	2360	2360	2360	---
Oxidation-Reduction Potential	mV			290	1	0	290	290	290	---
pH, Laboratory	s.u.		6.5-8.5	7.3	1	0	7.3	7.3	7.3	---
Sodium Adsorption Ratio (SAR)	unitless			1.3	1	0	1.3	1.3	1.3	---
Solids, Total Dissolved TDS @ 180 C	mg/L		500	1800	1	0	1800	1800	1800	---
Major Ions										
Alkalinity, Total as CaCO3	mg/L			242	1	0	242	242	242	---
Bicarbonate as HCO3	mg/L			295	1	0	295	295	295	---
Calcium, Dissolved	mg/L			365	1	0	365	365	365	---
Carbonate as CO3	mg/L			<5	1	1	<5	<5	<5	---
Chloride	mg/L		250	12	1	0	12	12	12	---
Fluoride	mg/L	4	2	0.4	1	0	0.4	0.4	0.4	---
Magnesium, Dissolved	mg/L			109	1	0	109	109	109	---
Nitrogen, Ammonia as N	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nitrogen, Nitrate as N	mg/L	10		<0.1	1	1	<0.1	<0.1	<0.1	---
Nitrogen, Nitrite as N	mg/L	1		<0.1	1	1	<0.1	<0.1	<0.1	---
Potassium, Dissolved	mg/L			22.9	1	0	22.9	22.9	22.9	---
Silica	mg/L			2.1	1	0	2.1	2.1	2.1	---
Sodium, Dissolved	mg/L			113	1	0	113	113	113	---
Sulfate, Total	mg/L		250	1170 d	1	0	1170	1170	1170	---
Metals, Dissolved										
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	1	1	<0.1	<0.1	<0.1	---
Arsenic, Dissolved	mg/L	0.01		0.002	1	0	0.002	0.002	0.002	---
Barium, Dissolved	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Boron, Dissolved	mg/L			0.2	1	0	0.2	0.2	0.2	---
Cadmium, Dissolved	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Dissolved	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Dissolved	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Dissolved	mg/L		0.3	<0.03	1	1	<0.03	<0.03	<0.03	---
Lead, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Manganese, Dissolved	mg/L		0.05	0.51	1	0	0.51	0.51	0.51	---
Mercury, Dissolved	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Molybdenum, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Dissolved	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Dissolved	mg/L	0.05		<0.001	1	1	<0.001	<0.001	<0.001	---
Silver, Dissolved	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Thorium 232, Dissolved	mg/L			<0.005	1	1	<0.005	<0.005	<0.005	---
Uranium, Dissolved	mg/L	0.03		0.0198	1	0	0.0198	0.0198	0.0198	---
Vanadium, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Zinc, Dissolved	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Metals, Dissolved, Speciated										
Selenium-IV, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Selenium-VI, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Metals, Suspended										
Uranium, Suspended	mg/L	0.03		0.0004	1	0	0.0004	0.0004	0.0004	---
Metals, Total										
Antimony, Total	mg/L	0.006		<0.003	1	1	<0.003	<0.003	<0.003	---
Arsenic, Total	mg/L	0.01		0.01	1	0	0.01	0.01	0.01	---
Barium, Total	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Beryllium, Total	mg/L	0.004		<0.001	1	1	<0.001	<0.001	<0.001	---
Boron, Total	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Cadmium, Total	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Total	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Total	mg/L		1	0.01	1	0	0.01	0.01	0.01	---
Iron, Total	mg/L		0.3	1.15	1	0	1.15	1.15	1.15	---
Lead, Total	mg/L			0.001	1	0	0.001	0.001	0.001	---
Manganese, Total	mg/L		0.05	0.55	1	0	0.55	0.55	0.55	---
Mercury, Total	mg/L	0.002		<0.0002	1	1	<0.0002	<0.0002	<0.0002	---
Mercury, Total A3112B	mg/L	0.002		<0.0001	1	1	<0.0001	<0.0001	<0.0001	---
Molybdenum, Total	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Total	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Total	mg/L	0.05		0.002	1	0	0.002	0.002	0.002	---
Silver, Total	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Strontium, Total	mg/L			6.6	1	0	6.6	6.6	6.6	---
Thallium, Total	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				682	Summary Statistics for Hydro ID 682					
Month Sampled				Jul-08						
Date and Time Collected				7/7/2008 3:22:00 PM						
Lab ID				R08070115 -003						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Uranium, Total	mg/L	0.03		0.0227	1	0	0.0227	0.0227	0.0227	---
Zinc, Total	mg/L		5	0.01	1	0	0.01	0.01	0.01	---
Radionuclides, Dissolved										
Gross Alpha, Dissolved	pCi/L	15		50.3	1	0	50.3	50.3	50.3	---
Gross Beta, Dissolved	pCi/L			14	1	0	14	14	14	---
Gross Gamma, Dissolved	pCi/L			790	1	0	790	790	790	---
Lead 210, Dissolved	pCi/L			2.4 j	1	0	2.4	2.4	2.4	---
Polonium 210, Dissolved	pCi/L			-0.1 j	1	0	-0.1	-0.1	-0.1	---
Radium 226, Dissolved	pCi/L	5		3.4	1	0	3.4	3.4	3.4	---
Thorium 230, Dissolved	pCi/L			0 j	1	0	0	0	0	---
Radionuclides, Suspended										
Lead 210, Suspended	pCi/L			-9.2 j	1	0	-9.2	-9.2	-9.2	---
Polonium 210, Suspended	pCi/L			0.3 j	1	0	0.3	0.3	0.3	---
Radium 226, Suspended	pCi/L	5		-0.3 j	1	0	-0.3	-0.3	-0.3	---
Thorium 230, Suspended	pCi/L			0.3	1	0	0.3	0.3	0.3	---
Radionuclides, Total										
Radon 222, Total	pCi/L			1380	1	0	1380	1380	1380	---
Data Quality Parameters										
A/C Balance (± 5)	%			5.13	1	0	5.13	5.13	5.13	---
Anions	meq/l			29.5	1	0	29.5	29.5	29.5	---
Cations	meq/l			32.7	1	0	32.7	32.7	32.7	---
Solids, Total Dissolved Calculated	mg/L			1940	1	0	1940	1940	1940	---
TDS Balance (0.80 - 1.20)	dec. %			0.94	1	0	0.94	0.94	0.94	---

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				684	Summary Statistics for Hydro ID 684					
Month Sampled				Jul-08						
Date and Time Collected				7/7/2008 5:22:00 PM						
Lab ID				R08070115-004						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters										
Field Conductivity	umhos/cm			2696	1	0	2696	2696	2696	---
Field Dissolved Oxygen	mg/L			0.32	1	0	0.32	0.32	0.32	---
Field pH	s.u.		6.5-8.5	6.98	1	0	6.98	6.98	6.98	---
Field Temperature	Deg C			13.02	1	0	13.02	13.02	13.02	---
Field Turbidity	NTUs			39.2	1	0	39.2	39.2	39.2	---
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM
Physical Properties										
Conductivity @ 25 C	umhos/cm			2510	1	0	2510	2510	2510	---
Oxidation-Reduction Potential	mV			300	1	0	300	300	300	---
pH, Laboratory	s.u.		6.5-8.5	7.43	1	0	7.43	7.43	7.43	---
Sodium Adsorption Ratio (SAR)	unitless			1.5	1	0	1.5	1.5	1.5	---
Solids, Total Dissolved TDS @ 180 C	mg/L		500	2200	1	0	2200	2200	2200	---
Major Ions										
Alkalinity, Total as CaCO3	mg/L			274	1	0	274	274	274	---
Bicarbonate as HCO3	mg/L			334	1	0	334	334	334	---
Calcium, Dissolved	mg/L			375	1	0	375	375	375	---
Carbonate as CO3	mg/L			<5	1	1	<5	<5	<5	---
Chloride	mg/L		250	11	1	0	11	11	11	---
Fluoride	mg/L	4	2	0.4	1	0	0.4	0.4	0.4	---
Magnesium, Dissolved	mg/L			119	1	0	119	119	119	---
Nitrogen, Ammonia as N	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nitrogen, Nitrate as N	mg/L	10		<0.1	1	1	<0.1	<0.1	<0.1	---
Nitrogen, Nitrite as N	mg/L	1		<0.1	1	1	<0.1	<0.1	<0.1	---
Potassium, Dissolved	mg/L			24.5	1	0	24.5	24.5	24.5	---
Silica	mg/L			2.7	1	0	2.7	2.7	2.7	---
Sodium, Dissolved	mg/L			127	1	0	127	127	127	---
Sulfate, Total	mg/L		250	1280 d	1	0	1280	1280	1280	---
Metals, Dissolved										
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	1	1	<0.1	<0.1	<0.1	---
Arsenic, Dissolved	mg/L	0.01		0.03	1	0	0.03	0.03	0.03	---
Barium, Dissolved	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Boron, Dissolved	mg/L			0.2	1	0	0.2	0.2	0.2	---
Cadmium, Dissolved	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Dissolved	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Dissolved	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Dissolved	mg/L		0.3	0.47	1	0	0.47	0.47	0.47	---
Lead, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Manganese, Dissolved	mg/L		0.05	0.54	1	0	0.54	0.54	0.54	---
Mercury, Dissolved	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Molybdenum, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Dissolved	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Dissolved	mg/L	0.05		<0.001	1	1	<0.001	<0.001	<0.001	---
Silver, Dissolved	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Thorium 232, Dissolved	mg/L			<0.005	1	1	<0.005	<0.005	<0.005	---
Uranium, Dissolved	mg/L	0.03		0.0667	1	0	0.0667	0.0667	0.0667	---
Vanadium, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Zinc, Dissolved	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Metals, Dissolved, Speciated										
Selenium-IV, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Selenium-VI, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Metals, Suspended										
Uranium, Suspended	mg/L	0.03		0.177	1	0	0.177	0.177	0.177	---
Metals, Total										
Antimony, Total	mg/L	0.006		<0.003	1	1	<0.003	<0.003	<0.003	---
Arsenic, Total	mg/L	0.01		0.04	1	0	0.04	0.04	0.04	---
Barium, Total	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Beryllium, Total	mg/L	0.004		<0.001	1	1	<0.001	<0.001	<0.001	---
Boron, Total	mg/L			0.1	1	0	0.1	0.1	0.1	---
Cadmium, Total	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Total	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Total	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Total	mg/L		0.3	1.68	1	0	1.68	1.68	1.68	---
Lead, Total	mg/L			0.001	1	0	0.001	0.001	0.001	---
Manganese, Total	mg/L		0.05	0.63	1	0	0.63	0.63	0.63	---
Mercury, Total	mg/L	0.002		<0.0002	1	1	<0.0002	<0.0002	<0.0002	---
Mercury, Total A3112B	mg/L	0.002		<0.0001	1	1	<0.0001	<0.0001	<0.0001	---
Molybdenum, Total	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Total	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Total	mg/L	0.05		0.005	1	0	0.005	0.005	0.005	---
Silver, Total	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Strontium, Total	mg/L			7.6	1	0	7.6	7.6	7.6	---
Thallium, Total	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				684	Summary Statistics for Hydro ID 684					
Month Sampled				Jul-08						
Date and Time Collected				7/7/2008 5:22:00 PM						
Lab ID				R08070115 -004						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Uranium, Total	mg/L	0.03		0.336	1	0	0.336	0.336	0.336	---
Zinc, Total	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Radionuclides, Dissolved										
Gross Alpha, Dissolved	pCi/L	15		1890	1	0	1890	1890	1890	---
Gross Beta, Dissolved	pCi/L			556	1	0	556	556	556	---
Gross Gamma, Dissolved	pCi/L			1800	1	0	1800	1800	1800	---
Lead 210, Dissolved	pCi/L			29	1	0	29	29	29	---
Polonium 210, Dissolved	pCi/L			5.1	1	0	5.1	5.1	5.1	---
Radium 226, Dissolved	pCi/L	5		543	1	0	543	543	543	---
Thorium 230, Dissolved	pCi/L			0.8	1	0	0.8	0.8	0.8	---
Radionuclides, Suspended										
Lead 210, Suspended	pCi/L			94.6	1	0	94.6	94.6	94.6	---
Polonium 210, Suspended	pCi/L			56	1	0	56	56	56	---
Radium 226, Suspended	pCi/L	5		44.1	1	0	44.1	44.1	44.1	---
Thorium 230, Suspended	pCi/L			65.9	1	0	65.9	65.9	65.9	---
Radionuclides, Total										
Radon 222, Total	pCi/L			234000	1	0	234000	234000	234000	---
Data Quality Parameters										
A/C Balance (± 5)	%			3.15	1	0	3.15	3.15	3.15	---
Anions	meq/l			32.6	1	0	32.6	32.6	32.6	---
Cations	meq/l			34.7	1	0	34.7	34.7	34.7	---
Solids, Total Dissolved Calculated	mg/L			2110	1	0	2110	2110	2110	---
TDS Balance (0.80 - 1.20)	dec. %			1.07	1	0	1.07	1.07	1.07	---

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				685	Summary Statistics for Hydro ID 685					
Month Sampled				Jul-08						
Date and Time Collected				7/1/2008 3:48:00 PM						
Lab ID				R08070035 -007						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters										
Field Conductivity	umhos/cm			1349	1	0	1349	1349	1349	---
Field Dissolved Oxygen	mg/L			1.09	1	0	1.09	1.09	1.09	---
Field pH	s.u.		6.5-8.5	7.61	1	0	7.61	7.61	7.61	---
Field Temperature	Deg C			14.93	1	0	14.93	14.93	14.93	---
Field Turbidity	NTUs			-0.4	1	0	-0.4	-0.4	-0.4	---
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM
Physical Properties										
Conductivity @ 25 C	umhos/cm			1150	1	0	1150	1150	1150	---
Oxidation-Reduction Potential	mV			240	1	0	240	240	240	---
pH, Laboratory	s.u.		6.5-8.5	7.91	1	0	7.91	7.91	7.91	---
Sodium Adsorption Ratio (SAR)	unitless			5.3	1	0	5.3	5.3	5.3	---
Solids, Total Dissolved TDS @ 180 C	mg/L		500	930	1	0	930	930	930	---
Major Ions										
Alkalinity, Total as CaCO3	mg/L			162	1	0	162	162	162	---
Bicarbonate as HCO3	mg/L			197	1	0	197	197	197	---
Calcium, Dissolved	mg/L			71.9	1	0	71.9	71.9	71.9	---
Carbonate as CO3	mg/L			<5	1	1	<5	<5	<5	---
Chloride	mg/L		250	11	1	0	11	11	11	---
Fluoride	mg/L	4	2	0.5	1	0	0.5	0.5	0.5	---
Magnesium, Dissolved	mg/L			26.2	1	0	26.2	26.2	26.2	---
Nitrogen, Ammonia as N	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nitrogen, Nitrate as N	mg/L	10		<0.1	1	1	<0.1	<0.1	<0.1	---
Nitrogen, Nitrite as N	mg/L	1		<0.1	1	1	<0.1	<0.1	<0.1	---
Potassium, Dissolved	mg/L			9.9	1	0	9.9	9.9	9.9	---
Silica	mg/L			4.5	1	0	4.5	4.5	4.5	---
Sodium, Dissolved	mg/L			206 d	1	0	206	206	206	---
Sulfate, Total	mg/L		250	460	1	0	460	460	460	---
Metals, Dissolved										
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	1	1	<0.1	<0.1	<0.1	---
Arsenic, Dissolved	mg/L	0.01		0.003	1	0	0.003	0.003	0.003	---
Barium, Dissolved	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Boron, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Cadmium, Dissolved	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Dissolved	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Dissolved	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Dissolved	mg/L		0.3	<0.03	1	1	<0.03	<0.03	<0.03	---
Lead, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Manganese, Dissolved	mg/L		0.05	0.09	1	0	0.09	0.09	0.09	---
Mercury, Dissolved	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Molybdenum, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Dissolved	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Dissolved	mg/L	0.05		0.003	1	0	0.003	0.003	0.003	---
Silver, Dissolved	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Thorium 232, Dissolved	mg/L			<0.005	1	1	<0.005	<0.005	<0.005	---
Uranium, Dissolved	mg/L	0.03		0.0057	1	0	0.0057	0.0057	0.0057	---
Vanadium, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Zinc, Dissolved	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Metals, Dissolved, Speciated										
Selenium-IV, Dissolved	mg/L			0.003	1	0	0.003	0.003	0.003	---
Selenium-VI, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Metals, Suspended										
Uranium, Suspended	mg/L	0.03		<0.0003	1	1	<0.0003	<0.0003	<0.0003	---
Metals, Total										
Antimony, Total	mg/L	0.006		<0.003	1	1	<0.003	<0.003	<0.003	---
Arsenic, Total	mg/L	0.01		0.005 d	1	0	0.005	0.005	0.005	---
Barium, Total	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Beryllium, Total	mg/L	0.004		<0.001	1	1	<0.001	<0.001	<0.001	---
Boron, Total	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Cadmium, Total	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Total	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Total	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Total	mg/L		0.3	<0.03	1	1	<0.03	<0.03	<0.03	---
Lead, Total	mg/L			<0.003	1	1	<0.003	<0.003	<0.003	---
Manganese, Total	mg/L		0.05	0.08	1	0	0.08	0.08	0.08	---
Mercury, Total	mg/L	0.002		<0.0002	1	1	<0.0002	<0.0002	<0.0002	---
Mercury, Total A3112B	mg/L	0.002		<0.0001	1	1	<0.0001	<0.0001	<0.0001	---
Molybdenum, Total	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Total	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Total	mg/L	0.05		0.005 d	1	0	0.005	0.005	0.005	---
Silver, Total	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Strontium, Total	mg/L			1.2	1	0	1.2	1.2	1.2	---
Thallium, Total	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				685	Summary Statistics for Hydro ID 685					
Month Sampled				Jul-08						
Date and Time Collected				7/1/2008 3:48:00 PM						
Lab ID				R08070035 -007						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Uranium, Total	mg/L	0.03		0.0056	1	0	0.0056	0.0056	0.0056	---
Zinc, Total	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Radionuclides, Dissolved										
Gross Alpha, Dissolved	pCi/L	15		23.8	1	0	23.8	23.8	23.8	---
Gross Beta, Dissolved	pCi/L			12	1	0	12	12	12	---
Gross Gamma, Dissolved	pCi/L			940	1	0	940	940	940	---
Lead 210, Dissolved	pCi/L			5.9 j	1	0	5.9	5.9	5.9	---
Polonium 210, Dissolved	pCi/L			0.1 j	1	0	0.1	0.1	0.1	---
Radium 226, Dissolved	pCi/L	5		2.3	1	0	2.3	2.3	2.3	---
Thorium 230, Dissolved	pCi/L			0 j	1	0	0	0	0	---
Radionuclides, Suspended										
Lead 210, Suspended	pCi/L			-1.1 j	1	0	-1.1	-1.1	-1.1	---
Polonium 210, Suspended	pCi/L			0.5 j	1	0	0.5	0.5	0.5	---
Radium 226, Suspended	pCi/L	5		0.3	1	0	0.3	0.3	0.3	---
Thorium 230, Suspended	pCi/L			0.1 j	1	0	0.1	0.1	0.1	---
Radionuclides, Total										
Radon 222, Total	pCi/L			9460	1	0	9460	9460	9460	---
Data Quality Parameters										
A/C Balance (± 5)	%			6.47	1	0	6.47	6.47	6.47	---
Anions	meq/l			13.2	1	0	13.2	13.2	13.2	---
Cations	meq/l			15	1	0	15	15	15	---
Solids, Total Dissolved Calculated	mg/L			896	1	0	896	896	896	---
TDS Balance (0.80 - 1.20)	dec. %			1.04	1	0	1.04	1.04	1.04	---

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				686	Summary Statistics for Hydro ID 686					
Month Sampled				Jul-08						
Date and Time Collected				7/7/2008 7:03:00 PM						
Lab ID				R08070115 -007						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters										
Field Conductivity	umhos/cm			1774	1	0	1774	1774	1774	---
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	9.03	1	0	9.03	9.03	9.03	---
Field Temperature	Deg C			13.15	1	0	13.15	13.15	13.15	---
Field Turbidity	NTUs			6.6	1	0	6.6	6.6	6.6	---
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM
Physical Properties										
Conductivity @ 25 C	umhos/cm			1720	1	0	1720	1720	1720	---
Oxidation-Reduction Potential	mV			210	1	0	210	210	210	---
pH, Laboratory	s.u.		6.5-8.5	8.68	1	0	8.68	8.68	8.68	---
Sodium Adsorption Ratio (SAR)	unitless			3.2	1	0	3.2	3.2	3.2	---
Solids, Total Dissolved TDS @ 180 C	mg/L		500	1300	1	0	1300	1300	1300	---
Major Ions										
Alkalinity, Total as CaCO3	mg/L			42	1	0	42	42	42	---
Bicarbonate as HCO3	mg/L			51	1	0	51	51	51	---
Calcium, Dissolved	mg/L			150	1	0	150	150	150	---
Carbonate as CO3	mg/L			<5	1	1	<5	<5	<5	---
Chloride	mg/L		250	13	1	0	13	13	13	---
Fluoride	mg/L	4	2	0.3	1	0	0.3	0.3	0.3	---
Magnesium, Dissolved	mg/L			49.5	1	0	49.5	49.5	49.5	---
Nitrogen, Ammonia as N	mg/L			0.6	1	0	0.6	0.6	0.6	---
Nitrogen, Nitrate as N	mg/L	10		<0.1	1	1	<0.1	<0.1	<0.1	---
Nitrogen, Nitrite as N	mg/L	1		0.1	1	0	0.1	0.1	0.1	---
Potassium, Dissolved	mg/L			27.7	1	0	27.7	27.7	27.7	---
Silica	mg/L			1.7	1	0	1.7	1.7	1.7	---
Sodium, Dissolved	mg/L			176	1	0	176	176	176	---
Sulfate, Total	mg/L		250	812 d	1	0	812	812	812	---
Metals, Dissolved										
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	1	1	<0.1	<0.1	<0.1	---
Arsenic, Dissolved	mg/L	0.01		0.002	1	0	0.002	0.002	0.002	---
Barium, Dissolved	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Boron, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Cadmium, Dissolved	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Dissolved	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Dissolved	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Dissolved	mg/L		0.3	<0.03	1	1	<0.03	<0.03	<0.03	---
Lead, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Manganese, Dissolved	mg/L		0.05	0.03	1	0	0.03	0.03	0.03	---
Mercury, Dissolved	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Molybdenum, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Dissolved	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Dissolved	mg/L	0.05		0.002	1	0	0.002	0.002	0.002	---
Silver, Dissolved	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Thorium 232, Dissolved	mg/L			<0.005	1	1	<0.005	<0.005	<0.005	---
Uranium, Dissolved	mg/L	0.03		0.0012	1	0	0.0012	0.0012	0.0012	---
Vanadium, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Zinc, Dissolved	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Metals, Dissolved, Speciated										
Selenium-IV, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Selenium-VI, Dissolved	mg/L			0.002	1	0	0.002	0.002	0.002	---
Metals, Suspended										
Uranium, Suspended	mg/L	0.03		0.0004	1	0	0.0004	0.0004	0.0004	---
Metals, Total										
Antimony, Total	mg/L	0.006		<0.003	1	1	<0.003	<0.003	<0.003	---
Arsenic, Total	mg/L	0.01		<0.001	1	1	<0.001	<0.001	<0.001	---
Barium, Total	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Beryllium, Total	mg/L	0.004		<0.001	1	1	<0.001	<0.001	<0.001	---
Boron, Total	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Cadmium, Total	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Total	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Total	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Total	mg/L		0.3	0.07	1	0	0.07	0.07	0.07	---
Lead, Total	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Manganese, Total	mg/L		0.05	0.06	1	0	0.06	0.06	0.06	---
Mercury, Total	mg/L	0.002		<0.0002	1	1	<0.0002	<0.0002	<0.0002	---
Mercury, Total A3112B	mg/L	0.002		<0.0001	1	1	<0.0001	<0.0001	<0.0001	---
Molybdenum, Total	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Total	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Total	mg/L	0.05		0.008	1	0	0.008	0.008	0.008	---
Silver, Total	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Strontium, Total	mg/L			4.4	1	0	4.4	4.4	4.4	---
Thallium, Total	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				686	Summary Statistics for Hydro ID 686					
Month Sampled				Jul-08						
Date and Time Collected				7/7/2008 7:03:00 PM						
Lab ID				R08070115 -007						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Uranium, Total	mg/L	0.03		0.0072	1	0	0.0072	0.0072	0.0072	---
Zinc, Total	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Radionuclides, Dissolved										
Gross Alpha, Dissolved	pCi/L	15		11.3	1	0	11.3	11.3	11.3	---
Gross Beta, Dissolved	pCi/L			16.4	1	0	16.4	16.4	16.4	---
Gross Gamma, Dissolved	pCi/L			1000	1	0	1000	1000	1000	---
Lead 210, Dissolved	pCi/L			6.1 j	1	0	6.1	6.1	6.1	---
Polonium 210, Dissolved	pCi/L			0.3 j	1	0	0.3	0.3	0.3	---
Radium 226, Dissolved	pCi/L	5		3.3	1	0	3.3	3.3	3.3	---
Thorium 230, Dissolved	pCi/L			0 j	1	0	0	0	0	---
Radionuclides, Suspended										
Lead 210, Suspended	pCi/L			-2.3 j	1	0	-2.3	-2.3	-2.3	---
Polonium 210, Suspended	pCi/L			0.4 j	1	0	0.4	0.4	0.4	---
Radium 226, Suspended	pCi/L	5		-0.4 j	1	0	-0.4	-0.4	-0.4	---
Thorium 230, Suspended	pCi/L			0 j	1	0	0	0	0	---
Radionuclides, Total										
Radon 222, Total	pCi/L			467	1	0	467	467	467	---
Data Quality Parameters										
A/C Balance (± 5)	%			4.8	1	0	4.8	4.8	4.8	---
Anions	meq/l			18.1	1	0	18.1	18.1	18.1	---
Cations	meq/l			20	1	0	20	20	20	---
Solids, Total Dissolved Calculated	mg/L			1260	1	0	1260	1260	1260	---
TDS Balance (0.80 - 1.20)	dec. %			1	1	0	1	1	1	---

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.
NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				687	Summary Statistics for Hydro ID 687					
Month Sampled				Jul-08						
Date and Time Collected				7/1/2008 6:02:00 PM						
Lab ID				R08070035 -004						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters										
Field Conductivity	umhos/cm			1295	1	0	1295	1295	1295	---
Field Dissolved Oxygen	mg/L			0.21	1	0	0.21	0.21	0.21	---
Field pH	s.u.		6.5-8.5	7.81	1	0	7.81	7.81	7.81	---
Field Temperature	Deg C			14.08	1	0	14.08	14.08	14.08	---
Field Turbidity	NTUs			NM	NM	NM	NM	NM	NM	NM
Water Level Elevation	ft AMSL			3641.45	1	0	3641.45	3641.45	3641.45	---
Physical Properties										
Conductivity @ 25 C	umhos/cm			1230	1	0	1230	1230	1230	---
Oxidation-Reduction Potential	mV			220	1	0	220	220	220	---
pH, Laboratory	s.u.		6.5-8.5	7.77	1	0	7.77	7.77	7.77	---
Sodium Adsorption Ratio (SAR)	unitless			5.1	1	0	5.1	5.1	5.1	---
Solids, Total Dissolved TDS @ 180 C	mg/L		500	940	1	0	940	940	940	---
Major Ions										
Alkalinity, Total as CaCO3	mg/L			184	1	0	184	184	184	---
Bicarbonate as HCO3	mg/L			224	1	0	224	224	224	---
Calcium, Dissolved	mg/L			76.7	1	0	76.7	76.7	76.7	---
Carbonate as CO3	mg/L			<5	1	1	<5	<5	<5	---
Chloride	mg/L		250	11	1	0	11	11	11	---
Fluoride	mg/L	4	2	0.4	1	0	0.4	0.4	0.4	---
Magnesium, Dissolved	mg/L			29.9	1	0	29.9	29.9	29.9	---
Nitrogen, Ammonia as N	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nitrogen, Nitrate as N	mg/L	10		<0.1	1	1	<0.1	<0.1	<0.1	---
Nitrogen, Nitrite as N	mg/L	1		<0.1	1	1	<0.1	<0.1	<0.1	---
Potassium, Dissolved	mg/L			10.7	1	0	10.7	10.7	10.7	---
Silica	mg/L			4.4	1	0	4.4	4.4	4.4	---
Sodium, Dissolved	mg/L			208 d	1	0	208	208	208	---
Sulfate, Total	mg/L		250	458	1	0	458	458	458	---
Metals, Dissolved										
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	1	1	<0.1	<0.1	<0.1	---
Arsenic, Dissolved	mg/L	0.01		0.001	1	0	0.001	0.001	0.001	---
Barium, Dissolved	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Boron, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Cadmium, Dissolved	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Dissolved	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Dissolved	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Dissolved	mg/L		0.3	<0.03	1	1	<0.03	<0.03	<0.03	---
Lead, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Manganese, Dissolved	mg/L		0.05	0.11	1	0	0.11	0.11	0.11	---
Mercury, Dissolved	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Molybdenum, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Dissolved	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Dissolved	mg/L	0.05		<0.001	1	1	<0.001	<0.001	<0.001	---
Silver, Dissolved	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Thorium 232, Dissolved	mg/L			<0.005	1	1	<0.005	<0.005	<0.005	---
Uranium, Dissolved	mg/L	0.03		0.004	1	0	0.004	0.004	0.004	---
Vanadium, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Zinc, Dissolved	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Metals, Dissolved, Speciated										
Selenium-IV, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Selenium-VI, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Metals, Suspended										
Uranium, Suspended	mg/L	0.03		<0.0003	1	1	<0.0003	<0.0003	<0.0003	---
Metals, Total										
Antimony, Total	mg/L	0.006		<0.003	1	1	<0.003	<0.003	<0.003	---
Arsenic, Total	mg/L	0.01		<0.002	1	1	<0.002	<0.002	<0.002	---
Barium, Total	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Beryllium, Total	mg/L	0.004		<0.001	1	1	<0.001	<0.001	<0.001	---
Boron, Total	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Cadmium, Total	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Total	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Total	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Total	mg/L		0.3	0.11	1	0	0.11	0.11	0.11	---
Lead, Total	mg/L			<0.003	1	1	<0.003	<0.003	<0.003	---
Manganese, Total	mg/L		0.05	0.1	1	0	0.1	0.1	0.1	---
Mercury, Total	mg/L	0.002		<0.0002	1	1	<0.0002	<0.0002	<0.0002	---
Mercury, Total A3112B	mg/L	0.002		<0.0001	1	1	<0.0001	<0.0001	<0.0001	---
Molybdenum, Total	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Total	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Total	mg/L	0.05		<0.002	1	1	<0.002	<0.002	<0.002	---
Silver, Total	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Strontium, Total	mg/L			1.4	1	0	1.4	1.4	1.4	---
Thallium, Total	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				687	Summary Statistics for Hydro ID 687					
Month Sampled				Jul-08						
Date and Time Collected				7/1/2008 6:02:00 PM						
Lab ID				R08070035 -004						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Uranium, Total	mg/L	0.03		0.0042	1	0	0.0042	0.0042	0.0042	---
Zinc, Total	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Radionuclides, Dissolved										
Gross Alpha, Dissolved	pCi/L	15		114	1	0	114	114	114	---
Gross Beta, Dissolved	pCi/L			33.5	1	0	33.5	33.5	33.5	---
Gross Gamma, Dissolved	pCi/L			1100	1	0	1100	1100	1100	---
Lead 210, Dissolved	pCi/L			3.9 j	1	0	3.9	3.9	3.9	---
Polonium 210, Dissolved	pCi/L			0.6 j	1	0	0.6	0.6	0.6	---
Radium 226, Dissolved	pCi/L	5		25.7	1	0	25.7	25.7	25.7	---
Thorium 230, Dissolved	pCi/L			0 j	1	0	0	0	0	---
Radionuclides, Suspended										
Lead 210, Suspended	pCi/L			-4 j	1	0	-4	-4	-4	---
Polonium 210, Suspended	pCi/L			0 j	1	0	0	0	0	---
Radium 226, Suspended	pCi/L	5		0.3	1	0	0.3	0.3	0.3	---
Thorium 230, Suspended	pCi/L			0 j	1	0	0	0	0	---
Radionuclides, Total										
Radon 222, Total	pCi/L			3380	1	0	3380	3380	3380	---
Data Quality Parameters										
A/C Balance (± 5)	%			7.13	1	0	7.13	7.13	7.13	---
Anions	meq/l			13.6	1	0	13.6	13.6	13.6	---
Cations	meq/l			15.6	1	0	15.6	15.6	15.6	---
Solids, Total Dissolved Calculated	mg/L			918	1	0	918	918	918	---
TDS Balance (0.80 - 1.20)	dec. %			1.02	1	0	1.02	1.02	1.02	---

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.
NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				688	688	688	688	688	688
Month Sampled				Apr-08	Apr-08	Jun-08	Jun-08	Jul-08	Jul-08
Date and Time Collected				4/2/2008 6:07:00 PM	4/22/2008 1:26:00 PM	6/10/2008 4:37:00 PM	6/30/2008 6:39:00 PM	7/7/2008 6:49:00 PM	7/28/2008 3:45:00 PM
Lab ID				R08040058 -001	R08040287 -002	R08060210 -002	R08070005 -002	R08070115 -006	R08070471 -001
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result
Field Parameters									
Field Conductivity	umhos/cm			1059	1096	1259	1212	1274	1394
Field Dissolved Oxygen	mg/L			2.12	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	9.21	9.68	8.35	8.49	8.37	8.45
Field Temperature	Deg C			12.23	11.96	12.35	12.85	12.33	12.46
Field Turbidity	NTUs			2	5.8	NM	3.8	9.3	6.1
Water Level Elevation	ft AMSL			NM	3662.22	3669.41	3662.01	NM	3662.68
Physical Properties									
Conductivity @ 25 C	umhos/cm			1180	1070	1260	1140	1170	1280
Oxidation-Reduction Potential	mV			110	280	180	220	240	290
pH, Laboratory	s.u.		6.5-8.5	10.3	9.15	8.82	8.6	8.33	8.21
Sodium Adsorption Ratio (SAR)	unitless			7.6	5.9	6.9	6.2	5.4	5.5
Solids, Total Dissolved TDS @ 180 C	mg/L		500	690	690	740	770	780	790
Major Ions									
Alkalinity, Total as CaCO3	mg/L			98	90	100	136	160	160
Bicarbonate as HCO3	mg/L			12	76	107	156	190	195
Calcium, Dissolved	mg/L			25.8	50.1	34.1	40.4	49.3	50
Carbonate as CO3	mg/L			53	17	7	<5	<5	<5
Chloride	mg/L		250	13	10	11	11	11	11
Fluoride	mg/L	4	2	0.4	0.5	0.5	0.6	0.5	0.5
Magnesium, Dissolved	mg/L			13.6	20.5	16.6	19.2	20	21.1
Nitrogen, Ammonia as N	mg/L			0.5	0.1	0.1	0.2	0.1	0.2
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.05	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.05	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			16.8	12.2	12.5	12.9	15.6	12
Silica	mg/L			7.9	3.7	3.7	3.8	1.9	4.1
Sodium, Dissolved	mg/L			193	197 d	195 d	191 d	177	183 d
Sulfate, Total	mg/L		250	428 d	390	398	407 d	413 d	445 d
Metals, Dissolved									
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.001	0.002	0.001	0.002	0.001	0.001
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	0.04	<0.03	0.03	0.05
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	<0.01	0.06	0.02	0.02	0.04	0.04
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated									
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Metals, Suspended									
Uranium, Suspended	mg/L	0.03		<0.0008	0.0147	<0.0003	<0.0003	<0.0003	<0.0003
Metals, Total									
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.002	0.002	<0.002	0.003 d	0.003	0.015
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.07	0.05	0.15	0.08	0.18	0.14
Lead, Total	mg/L			<0.001	<0.001	<0.001	<0.003	<0.001	<0.001
Manganese, Total	mg/L		0.05	0.03	0.01	0.01	0.02	0.04	0.05
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.0001	<0.0002	<0.0002	<0.0002
Mercury, Total A3112B	mg/L	0.002		NM	NM	NM	NM	<0.0001	NM
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.001	<0.001	0.003 d	<0.001	<0.001
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			1.2	1.2	1.1	1.1	1.4	1.2
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				688	688	688	688	688	688
Month Sampled				Apr-08	Apr-08	Jun-08	Jun-08	Jul-08	Jul-08
Date and Time Collected				4/2/2008 6:07:00 PM	4/22/2008 1:26:00 PM	6/10/2008 4:37:00 PM	6/30/2008 6:39:00 PM	7/7/2008 6:49:00 PM	7/28/2008 3:45:00 PM
Lab ID				R08040058 -001	R08040287 -002	R08060210 -002	R08070005 -002	R08070115 -006	R08070471 -001
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result
Uranium, Total	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Zinc, Total	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Radionuclides, Dissolved									
Gross Alpha, Dissolved	pCi/L	15		2.9	10.1	17.3	13.2	29.8	3.9
Gross Beta, Dissolved	pCi/L			8.8	16.9	17.1	16.5	14.1	14.3
Gross Gamma, Dissolved	pCi/L			0 j	0 j	0 j	1000	990	950
Lead 210, Dissolved	pCi/L			0 j	-2.7 j	-0.5 j	-0.1 j	-0.4 j	-6 j
Polonium 210, Dissolved	pCi/L			1	1.9	0 j	0 j	0.9 j	0.2 j
Radium 226, Dissolved	pCi/L	5		0.3	1.2	2.5	0.6	6.7	0.6
Thorium 230, Dissolved	pCi/L			0 j	0 j	0 j	0 j	0 j	0.1 j
Radionuclides, Suspended									
Lead 210, Suspended	pCi/L			-0.4 j	-0.1 j	4.8 j	-2.3 j	-6 j	-0.6 j
Polonium 210, Suspended	pCi/L			1	0.4 j	0.2 j	0.3 j	0.1 j	0 j
Radium 226, Suspended	pCi/L	5		0.9	0.02 j	-0.3 j	-0.3 j	-0.3 j	-0.4 j
Thorium 230, Suspended	pCi/L			0.7	15.9	0.1 j	0 j	0.1 j	0.2 j
Radionuclides, Total									
Radon 222, Total	pCi/L			608 h	307	749	426	227	1160
Data Quality Parameters									
A/C Balance (± 5)	%			-0.06	12.1	5.73	3.05	0.43	-1.16
Anions	meq/l			11.3	10.2	10.6	11.5	12.1	12.8
Cations	meq/l			11.3	13.1	11.9	12.3	12.2	12.5
Solids, Total Dissolved Calculated	mg/L			771	744	738	774	788	830
TDS Balance (0.80 - 1.20)	dec. %			0.89	0.92	1.01	0.99	0.99	0.95

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				688	688	688	688	688	688
Month Sampled				Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09
Date and Time Collected				8/20/2008 10:07:00 AM	9/30/2008 8:30:00 AM	10/20/2008 12:15:00 PM	11/18/2008 10:00:00 AM	12/22/2008 9:45:00 AM	1/20/2009 3:35:00 PM
Lab ID				R08080332 -001	R08100014 -001	R08100295 -005	R08110211 -004	R08120281 -001	R09010301 -012
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result
Field Parameters									
Field Conductivity	umhos/cm			1159	1270	1220	1240	1260	1270
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	8.11	8.14	8.04	8.14	8.23	8.17
Field Temperature	Deg C			12.51	11.5	11.8	11.3	10.2	11.7
Field Turbidity	NTUs			4.4	NM	NM	NM	NM	NM
Water Level Elevation	ft AMSL			3662.6	3662.5	3662.56	3662.54	3663.83	3662.7
Physical Properties									
Conductivity @ 25 C	umhos/cm			1430	1160	1260	1140	1110	1210
Oxidation-Reduction Potential	mV			180	290	170	270	260	240
pH, Laboratory	s.u.		6.5-8.5	8.35	7.9	8.15	8.19	7.87	8
Sodium Adsorption Ratio (SAR)	unitless			5.8	6	5.9	6	5.9	5.7
Solids, Total Dissolved TDS @ 180 C	mg/L		500	810	790	810	780	780 h	800
Major Ions									
Alkalinity, Total as CaCO3	mg/L			166	166	162	146	166	166
Bicarbonate as HCO3	mg/L			202	202	197	178	202	197
Calcium, Dissolved	mg/L			51.7	52.4	49	51.2	48.7	48.8
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	<5
Chloride	mg/L		250	11	11	12	12	12	11
Fluoride	mg/L	4	2	0.6	0.6	0.4	0.5	0.4	0.6
Magnesium, Dissolved	mg/L			21.6	21.8	20.1	21	21.1	20.5
Nitrogen, Ammonia as N	mg/L			0.1	0.2	0.2	0.4	0.7	0.2
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			12.1	12.2	12	12.5	12.3	14.2
Silica	mg/L			3.9	75.3	8.4	8.7	8.9	7.6
Sodium, Dissolved	mg/L			196 d	203 d	193 d	202 d	194 d	189
Sulfate, Total	mg/L		250	425 d	422 d	450 d	421 d	435 d	436 d
Metals, Dissolved									
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.001	0.001	0.001	0.002	0.002	0.002
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	0.04	0.04	0.05	<0.03	<0.03	0.03
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.05	0.06	0.06	0.06	0.05	0.05
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated									
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Metals, Suspended									
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	<0.0009	<0.0003
Metals, Total									
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.002	0.001	0.004 l	0.006 d	0.004 l	0.001
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.24	0.19	0.16	0.34	0.5	0.17 d
Lead, Total	mg/L			<0.001	<0.001	<0.001	<0.001	0.001	<0.001
Manganese, Total	mg/L		0.05	0.05	0.06	0.06	0.06	0.07	0.06
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Mercury, Total A3112B	mg/L	0.002		NM	NM	NM	NM	NM	NM
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.001	<0.001	0.001	0.001	<0.001
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			1.3	1.3	1.3	1.3	1.2	1.3
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				688	688	688	688	688	688
Month Sampled				Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09
Date and Time Collected				8/20/2008 10:07:00 AM	9/30/2008 8:30:00 AM	10/20/2008 12:15:00 PM	11/18/2008 10:00:00 AM	12/22/2008 9:45:00 AM	1/20/2009 3:35:00 PM
Lab ID				R08080332 -001	R08100014 -001	R08100295 -005	R08110211 -004	R08120281 -001	R09010301 -012
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result
Uranium, Total	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Zinc, Total	mg/L		5	0.01	<0.01	<0.01	<0.01	0.01	<0.01
Radionuclides, Dissolved									
Gross Alpha, Dissolved	pCi/L	15		11.8	4.9	10.2	15	1.9 j	25.6
Gross Beta, Dissolved	pCi/L			11	10.9	14.9	17.4	8.8	15.8
Gross Gamma, Dissolved	pCi/L			0 j	230	310	0 j	720	1100
Lead 210, Dissolved	pCi/L			3.8 j	-0.1 j	1.1 j	1.1 j	1 j	1 j
Polonium 210, Dissolved	pCi/L			0 j	0.2 j	0 j	0 j	0 j	-0.0089 j
Radium 226, Dissolved	pCi/L	5		1.7	0.6	1.6	2.7	0.7	3.8
Thorium 230, Dissolved	pCi/L			0 j	-0.1 j	0 j	0 j	0 j	0.1 j
Radionuclides, Suspended									
Lead 210, Suspended	pCi/L			-6 j	1.2 j	-3 j	-5 j	0.1 j	3.2 j
Polonium 210, Suspended	pCi/L			-0.1 j	0.15 j	0 j	-0.061 j	0 j	-0.0045 j
Radium 226, Suspended	pCi/L	5		-0.3 j	0.09 j	-0.3 j	0.2 j	0.1 j	0.1 j
Thorium 230, Suspended	pCi/L			0 j	-0.1 j	0 j	-0.2 j	0.1 j	-0.1 j
Radionuclides, Total									
Radon 222, Total	pCi/L			449	535 h	184	162	81.1 j	152
Data Quality Parameters									
A/C Balance (± 5)	%			2.75	4.37	-0.51	5.5	0.99	-0.14
Anions	meq/l			12.5	12.4	13	12	12.7	12.8
Cations	meq/l			13.2	13.6	12.8	13.4	13	12.7
Solids, Total Dissolved Calculated	mg/L			829	1030	857	831	848	840
TDS Balance (0.80 - 1.20)	dec. %			0.97	0.77	0.95	0.94	0.92	0.95

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				688	Summary Statistics for Hydro ID 688					
Month Sampled				Feb-09						
Date and Time Collected				2/24/2009 1:23:00 PM						
Lab ID				R09020293 -006						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters										
Field Conductivity	umhos/cm			1190	13	0	1059	1394	1223.3077	85.417001
Field Dissolved Oxygen	mg/L			NM	1	0	2.12	2.12	2.12	---
Field pH	s.u.		6.5-8.5	8.31	13	0	8.04	9.68	8.4376923	0.4768674
Field Temperature	Deg C			12.3	13	0	10.2	12.85	11.960769	0.6867855
Field Turbidity	NTUs			NM	6	0	2	9.3	5.2333333	2.4824719
Water Level Elevation	ft AMSL			3662.83	11	0	3662.01	3669.41	3663.2618	2.0892095
Physical Properties										
Conductivity @ 25 C	umhos/cm			1200	13	0	1070	1430	1200.7692	92.056282
Oxidation-Reduction Potential	mV			120	13	0	110	290	219.23077	61.976009
pH, Laboratory	s.u.		6.5-8.5	8.03	13	0	7.87	10.3	8.4538462	0.6664025
Sodium Adsorption Ratio (SAR)	unitless			5.3	13	0	5.3	7.6	6.0076923	0.6237809
Solids, Total Dissolved TDS @ 180 C	mg/L		500	830	13	0	690	830	773.84615	43.115825
Major Ions										
Alkalinity, Total as CaCO3	mg/L			166	13	0	90	166	144.76923	29.275
Bicarbonate as HCO3	mg/L			202	13	0	12	202	162.76923	60.503655
Calcium, Dissolved	mg/L			52 d	13	0	25.8	52.4	46.423077	8.0777631
Carbonate as CO3	mg/L			<5	13	10	<5	53	7.8461538	14.169193
Chloride	mg/L		250	11	13	0	10	13	11.307692	0.7510676
Fluoride	mg/L	4	2	0.6	13	0	0.4	0.6	0.5153846	0.0800641
Magnesium, Dissolved	mg/L			21.4	13	0	13.6	21.8	19.884615	2.3215821
Nitrogen, Ammonia as N	mg/L			0.2	13	0	0.1	0.7	0.2461538	0.1808101
Nitrogen, Nitrate as N	mg/L	10		<0.1	13	13	<0.05	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	13	13	<0.05	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			12.1	13	0	12	16.8	13.030769	1.541852
Silica	mg/L			7.5	13	0	1.9	75.3	11.184615	19.414721
Sodium, Dissolved	mg/L			181	13	0	177	203	191.84615	7.7119621
Sulfate, Total	mg/L		250	460 d	13	0	390	460	425.38462	20.258901
Metals, Dissolved										
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	13	13	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.002	13	1	<0.001	0.002	0.0014231	0.0005718
Barium, Dissolved	mg/L	2		<0.1	13	13	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	13	13	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	13	13	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	13	13	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	13	13	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	0.03	13	5	<0.03	0.05	0.0296154	0.0136109
Lead, Dissolved	mg/L			<0.001	13	13	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.06	13	1	<0.01	0.06	0.0442308	0.0184669
Mercury, Dissolved	mg/L	0.002		<0.001	13	13	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	13	13	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	13	13	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	13	13	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	13	13	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	13	13	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		<0.0003	13	13	<0.0003	<0.0003	<0.0003	<0.0003
Vanadium, Dissolved	mg/L			<0.1	13	13	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	13	13	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated										
Selenium-IV, Dissolved	mg/L			<0.001	13	13	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	13	13	<0.001	<0.001	<0.001	<0.001
Metals, Suspended										
Uranium, Suspended	mg/L	0.03		<0.0003	13	12	<0.0003	0.0147	0.0013115	0.0040241
Metals, Total										
Antimony, Total	mg/L	0.006		<0.003	13	13	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.003 l	13	1	<0.002	0.015	0.0036154	0.003709
Barium, Total	mg/L	2		<0.1	13	13	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	13	13	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			<0.2	13	13	<0.1	<0.2	<0.2	<0.2
Cadmium, Total	mg/L	0.005		<0.005	13	13	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	13	13	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	13	13	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.44	13	0	0.05	0.5	0.2084615	0.138675
Lead, Total	mg/L			<0.001	13	12	<0.001	0.001	0.0006154	0.0002996
Manganese, Total	mg/L		0.05	0.07	13	0	0.01	0.07	0.0453846	0.0214536
Mercury, Total	mg/L	0.002		<0.001	13	13	<0.0001	<0.001	<0.001	<0.001
Mercury, Total A3112B	mg/L	0.002		NM	1	1	<0.0001	<0.0001	<0.0001	---
Molybdenum, Total	mg/L			<0.1	13	13	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	13	13	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	13	10	<0.001	0.003	0.0007692	0.0006957
Silver, Total	mg/L		0.1	<0.005	13	13	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			1.3	13	0	1.1	1.4	1.2461538	0.0877058
Thallium, Total	mg/L	0.002		<0.001	13	13	<0.001	<0.001	<0.001	<0.001

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				688	Summary Statistics for Hydro ID 688					
Month Sampled				Feb-09						
Date and Time Collected				2/24/2009 1:23:00 PM						
Lab ID				R09020293 -006						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Uranium, Total	mg/L	0.03		0.0005	13	12	<0.0003	0.0005	0.0001769	9.707E-05
Zinc, Total	mg/L		5	0.01	13	10	<0.01	0.01	0.0061538	0.0021926
Radionuclides, Dissolved										
Gross Alpha, Dissolved	pCi/L	15		28.7	13	0	1.9	29.8	13.484615	9.5668565
Gross Beta, Dissolved	pCi/L			19.2	13	0	8.8	19.2	14.284615	3.3992269
Gross Gamma, Dissolved	pCi/L			0 j	13	0	0	1100	407.69231	465.40581
Lead 210, Dissolved	pCi/L			-1 j	13	0	-6	3.8	-0.215385	2.2908682
Polonium 210, Dissolved	pCi/L			0.45	13	0	-0.0089	1.9	0.3570077	0.5806369
Radium 226, Dissolved	pCi/L	5		7.9	13	0	0.3	7.9	2.3769231	2.4218291
Thorium 230, Dissolved	pCi/L			0.03 j	13	0	-0.1	0.1	0.01	0.0496655
Radionuclides, Suspended										
Lead 210, Suspended	pCi/L			-0.9 j	13	0	-6	4.8	-1.153846	3.2920651
Polonium 210, Suspended	pCi/L			-0.054 j	13	0	-0.1	1	0.1485	0.2961528
Radium 226, Suspended	pCi/L	5		0.2 j	13	0	-0.4	0.9	-0.022308	0.3561403
Thorium 230, Suspended	pCi/L			0.1 j	13	0	-0.2	15.9	1.2923077	4.394402
Radionuclides, Total										
Radon 222, Total	pCi/L			218	13	0	81.1	1160	404.46923	303.02785
Data Quality Parameters										
A/C Balance (± 5)	%			-2.71	13	0	-2.71	12.1	2.3338462	3.9241125
Anions	meq/l			13.2	13	0	10.2	13.2	12.084615	0.9343859
Cations	meq/l			12.6	13	0	11.3	13.6	12.661538	0.6357915
Solids, Total Dissolved Calculated	mg/L			858	13	0	738	1030	826	74.146252
TDS Balance (0.80 - 1.20)	dec. %			0.96	13	0	0.77	1.01	0.9392308	0.0603409

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				689	689	689	689	689	689
Month Sampled				Mar-08	Apr-08	May-08	Jun-08	Jul-08	Jul-08
Date and Time Collected				3/30/2008 5:25:00 PM	4/21/2008 7:50:00 PM	5/28/2008 10:25:00 PM	6/25/2008 6:18:00 PM	7/1/2008 4:17:00 PM	7/14/2008 4:50:00 PM
Lab ID				R08030315 -007	R08040250 -005	R08050406 -006	R08060452 -004	R08070035 -006	R08070244 -008
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result
Field Parameters									
Field Conductivity	umhos/cm			978	1128	1082	1116	1052	1125
Field Dissolved Oxygen	mg/L			0.18	0.2	0.08	0.12	0.13	NM
Field pH	s.u.		6.5-8.5	7.76	7.77	7.73	7.71	7.8	7.75
Field Temperature	Deg C			15.4	15.43	15.44	15.56	15.6	15.95
Field Turbidity	NTUs			27.9	27.8	24.8	23.8	NM	16.8
Water Level Elevation	ft AMSL			NM	NM	NM	3685.6	3685.42	3685.28
Physical Properties									
Conductivity @ 25 C	umhos/cm			1080	1110	1010	1270	1010	1040
Oxidation-Reduction Potential	mV			190	300	210	150	220	190
pH, Laboratory	s.u.		6.5-8.5	7.85	8.02	7.8	8.08	7.84	7.83
Sodium Adsorption Ratio (SAR)	unitless			5.4	5.7	5.8	5.6	5.6	5.6
Solids, Total Dissolved TDS @ 180 C	mg/L		500	720	760	730	700	710	730
Major Ions									
Alkalinity, Total as CaCO3	mg/L			150	148	148	150	150	148
Bicarbonate as HCO3	mg/L			183	180	180	183	183	180
Calcium, Dissolved	mg/L			43.8	48.5	49.2	46.7	49.6	44.8
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	<5
Chloride	mg/L		250	7	5	5	5	5	5
Fluoride	mg/L	4	2	0.5	0.5	0.5	0.5	0.5	0.6
Magnesium, Dissolved	mg/L			15.6	16.8	16.4	16	16.9	16.4
Nitrogen, Ammonia as N	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.05	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.05	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			7.4	7.9	8.1	7.7	7.8	10.7
Silica	mg/L			7.7	8	4.6	4.3	5	2
Sodium, Dissolved	mg/L			165	180	184 d	174 d	179 d	173 d
Sulfate, Total	mg/L		250	421 d	374	400 d	366	354	420 d
Metals, Dissolved									
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.001	0.001	0.001	0.001	0.001	<0.02
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.03	0.04	0.04	0.04	0.04	0.04
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0032	0.0037	0.0043	0.0034	0.0032	0.0034
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated									
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Metals, Suspended									
Uranium, Suspended	mg/L	0.03		0.0005	<0.0003	0.0004	0.0005	<0.0003	<0.0003
Metals, Total									
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		<0.003	0.002	0.004	0.003	<0.002	<0.001
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			<0.1	<0.1	0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.72	0.52	1.33	1.15	2.23	0.82
Lead, Total	mg/L			<0.001	<0.001	<0.001	0.017 d	<0.001	<0.001
Manganese, Total	mg/L		0.05	0.06	0.06	0.08	0.07	0.09	0.06
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.0001	<0.0002	<0.0002	<0.0002
Mercury, Total A3112B	mg/L	0.002		NM	NM	NM	NM	<0.0001	NM
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.001	<0.001	<0.002	0.003 d	<0.002
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			0.9	1	1	1	0.9	1
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				689	689	689	689	689	689
Month Sampled				Mar-08	Apr-08	May-08	Jun-08	Jul-08	Jul-08
Date and Time Collected				3/30/2008 5:25:00 PM	4/21/2008 7:50:00 PM	5/28/2008 10:25:00 PM	6/25/2008 6:18:00 PM	7/1/2008 4:17:00 PM	7/14/2008 4:50:00 PM
Lab ID				R08030315 -007	R08040250 -005	R08050406 -006	R08060452 -004	R08070035 -006	R08070244 -008
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result
Uranium, Total	mg/L	0.03		0.0041	0.004	0.0117	0.006	0.0073	0.0041
Zinc, Total	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Radionuclides, Dissolved									
Gross Alpha, Dissolved	pCi/L	15		64.3	25.5	34.9	36.5	33.4	36
Gross Beta, Dissolved	pCi/L			21.2	13.2	12.2	15	14.7	9.5
Gross Gamma, Dissolved	pCi/L			86	0 j	150	0 j	930	0 j
Lead 210, Dissolved	pCi/L			-31 j	-2.4 j	6.3 j	-6.5 j	1.1 j	-0.4 j
Polonium 210, Dissolved	pCi/L			1.1	0.7 j	-0.4 j	0 j	0.3 j	0.1 j
Radium 226, Dissolved	pCi/L	5		7.9	4.2	5.7	5.5	7.7	6.1
Thorium 230, Dissolved	pCi/L			0.2 j	0.1 j	0 j	0 j	-0.1 j	0 j
Radionuclides, Suspended									
Lead 210, Suspended	pCi/L			0 j	-0.3 j	-2 j	1 j	-3.9 j	-0.1 j
Polonium 210, Suspended	pCi/L			0.6 j	0.6 j	0.2 j	0.1 j	-0.1 j	0 j
Radium 226, Suspended	pCi/L	5		2	0.02 j	0.5 j	-0.05 j	0.9	-0.4 j
Thorium 230, Suspended	pCi/L			0.2	0.3	0.4	0.4	0.1 j	0.2 j
Radionuclides, Total									
Radon 222, Total	pCi/L			1950	1540	1390	2520	1820	1670
Data Quality Parameters									
A/C Balance (± 5)	%			-4.96	3.98	2.36	2.76	5.87	-2.08
Anions	meq/l			12	10.9	11.5	10.8	10.6	11.9
Cations	meq/l			10.8	11.8	12	11.4	11.9	11.4
Solids, Total Dissolved Calculated	mg/L			771	744	764	718	717	766
TDS Balance (0.80 - 1.20)	dec. %			0.93	1.02	0.95	0.98	0.99	0.95

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				689	689	689	689	689	689
Month Sampled				Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09
Date and Time Collected				8/19/2008 7:18:00 PM	9/23/2008 1:43:00 PM	10/20/2008 2:46:00 PM	11/18/2008 2:02:00 PM	12/17/2008 11:02:00 AM	1/20/2009 1:05:00 PM
Lab ID				R08080301-005	R08090356-001	R08100295-008	R08110211-011	R08120255-003	R09010301-008
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result
Field Parameters									
Field Conductivity	umhos/cm			1020	1090	1090	1080	1270	1160
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	7.23	7.64	7.65	7.65	7.86	7.71
Field Temperature	Deg C			15.74	16.7	15.2	15.9	13.2	14.4
Field Turbidity	NTUs			16.4	NM	NM	NM	NM	NM
Water Level Elevation	ft AMSL			3685.47	3685.31	3684.34	3684.8	3684.11	3686.65
Physical Properties									
Conductivity @ 25 C	umhos/cm			1270	840	1110	982	1100	1080
Oxidation-Reduction Potential	mV			170	230	220	280	280	270
pH, Laboratory	s.u.		6.5-8.5	7.96	7.77	8.11	8.45	7.9	7.71
Sodium Adsorption Ratio (SAR)	unitless			5.9	5.5	5.8	5.8	5.9	5.8
Solids, Total Dissolved TDS @ 180 C	mg/L		500	710	700	730	660	750	780
Major Ions									
Alkalinity, Total as CaCO3	mg/L			148	150	152	150	158	150
Bicarbonate as HCO3	mg/L			180	183	185	183	193	183
Calcium, Dissolved	mg/L			48.8	44.6	44.4	45.3	54.4	44.8
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	<5
Chloride	mg/L		250	5	5	5	5	6	5
Fluoride	mg/L	4	2	0.6	0.6	0.5	0.5	0.5	0.6
Magnesium, Dissolved	mg/L			16.2	15	14.9	15.7	18.1	15.5
Nitrogen, Ammonia as N	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			7.9	6.9	7.5	7.6	8.5	9
Silica	mg/L			4.3	10.3	9.3	9.6	10.3	8.3
Sodium, Dissolved	mg/L			185 d	165	174 d	179 d	197 d	177
Sulfate, Total	mg/L		250	399 d	362 d	392 d	379 d	408 d	399 d
Metals, Dissolved									
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.001	0.001	0.002	<0.001	0.001	0.001
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.04	0.03	0.04	0.04	0.05	0.04
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0034	0.003	0.0031	0.0033	0.005	0.0035
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated									
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Metals, Suspended									
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	0.0011 d	<0.0003
Metals, Total									
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		<0.004	0.001	0.004 l	0.006 d	0.005 l	<0.002
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.003	<0.002	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.73	0.45	0.61	0.56	2.38	0.62
Lead, Total	mg/L			0.002	<0.001	<0.001	<0.001	0.004	<0.001
Manganese, Total	mg/L		0.05	0.06	0.05	0.05	0.05	0.09	0.05
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Mercury, Total A3112B	mg/L	0.002		NM	NM	NM	NM	NM	NM
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.003	<0.001	<0.001	<0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	<0.02	<0.005	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			0.9	0.9	0.8	0.9	1	1
Thallium, Total	mg/L	0.002		<0.001	<0.001	0.002	<0.001	<0.001	<0.001

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				689	689	689	689	689	689
Month Sampled				Aug-08	Sep-08	Oct-08	Nov-08	Dec-08	Jan-09
Date and Time Collected				8/19/2008 7:18:00 PM	9/23/2008 1:43:00 PM	10/20/2008 2:46:00 PM	11/18/2008 2:02:00 PM	12/17/2008 11:02:00 AM	1/20/2009 1:05:00 PM
Lab ID				R08080301 -005	R08090356 -001	R08100295 -008	R08110211 -011	R08120255 -003	R09010301 -008
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result
Uranium, Total	mg/L	0.03		0.0034 d	0.003	0.0035	0.0031	0.006	0.0036
Zinc, Total	mg/L		5	<0.01	0.09	<0.01	<0.01	0.01	<0.01
Radionuclides, Dissolved									
Gross Alpha, Dissolved	pCi/L	15		36.4	30.9	40	37.9	54.6	52.8
Gross Beta, Dissolved	pCi/L			13.3	9.2	12.9	15.3	23	17.6
Gross Gamma, Dissolved	pCi/L			0 j	960	960	1100	0 j	1000
Lead 210, Dissolved	pCi/L			2.1 j	3.8 j	-0.3 j	-1 j	1.7 j	-0.4 j
Polonium 210, Dissolved	pCi/L			0.6 j	0 j	0.1 j	0.2 j	0 j	-0.031 j
Radium 226, Dissolved	pCi/L	5		4.4	7.5	6.4	6.6	6.2	6.1
Thorium 230, Dissolved	pCi/L			0.1 j	0 j	0.1 j	0.2 j	0 j	0 j
Radionuclides, Suspended									
Lead 210, Suspended	pCi/L			-9 j	0.2 j	-0.2 j	-0.6 j	1.4 j	-6 j
Polonium 210, Suspended	pCi/L			0.1 j	0.16 j	0.1 j	-0.039 j	0.3 j	0.025 j
Radium 226, Suspended	pCi/L	5		-0.4 j	0.2 j	-0.4 j	-0.04 j	0.4 j	-0.4 j
Thorium 230, Suspended	pCi/L			0.2 j	0.2 j	-0.2 j	-0.2 j	0.1 j	-0.2 j
Radionuclides, Total									
Radon 222, Total	pCi/L			2520	1520	2410	2580	1130	1850
Data Quality Parameters									
A/C Balance (± 5)	%			2.54	0.52	-0.72	2.1	4.66	-0.13
Anions	meq/l			11.4	10.7	11.4	11.1	11.8	11.5
Cations	meq/l			12	10.8	11.2	11.6	13	11.5
Solids, Total Dissolved Calculated	mg/L			764	718	755	749	815	765
TDS Balance (0.80 - 1.20)	dec. %			0.93	0.98	0.97	0.88	0.92	1.02

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				689	Summary Statistics for Hydro ID 689					
Month Sampled				Feb-09						
Date and Time Collected				2/24/2009 4:04:00 PM						
Lab ID				R09020293 -010						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters										
Field Conductivity	umhos/cm			1090	13	0	978	1270	1098.5385	69.969774
Field Dissolved Oxygen	mg/L			NM	5	0	0.08	0.2	0.142	0.0481664
Field pH	s.u.		6.5-8.5	7.87	13	0	7.23	7.87	7.7023077	0.1596952
Field Temperature	Deg C			15.5	13	0	13.2	16.7	15.386154	0.8323515
Field Turbidity	NTUs			NM	6	0	16.4	27.9	22.916667	5.1553532
Water Level Elevation	ft AMSL			3686.41	10	0	3684.11	3686.65	3685.339	0.8000618
Physical Properties										
Conductivity @ 25 C	umhos/cm			1040	13	0	840	1270	1072.4615	113.23472
Oxidation-Reduction Potential	mV			130	13	0	130	300	218.46154	52.890792
pH, Laboratory	s.u.		6.5-8.5	7.77	13	0	7.71	8.45	7.93	0.1992068
Sodium Adsorption Ratio (SAR)	unitless			2.4	13	0	2.4	5.9	5.4461538	0.9279147
Solids, Total Dissolved TDS @ 180 C	mg/L		500	690	13	0	660	780	720.76923	31.48056
Major Ions										
Alkalinity, Total as CaCO3	mg/L			148	13	0	148	158	150	2.7080128
Bicarbonate as HCO3	mg/L			180	13	0	180	193	182.76923	3.5155333
Calcium, Dissolved	mg/L			45 d	13	0	43.8	54.4	46.915385	3.0438041
Carbonate as CO3	mg/L			<5	13	13	<5	<5	<5	<5
Chloride	mg/L		250	5	13	0	5	7	5.2307692	0.5991447
Fluoride	mg/L	4	2	0.6	13	0	0.5	0.6	0.5384615	0.050637
Magnesium, Dissolved	mg/L			14	13	0	14	18.1	15.961538	1.0372548
Nitrogen, Ammonia as N	mg/L			<0.1	13	13	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate as N	mg/L	10		<0.1	13	13	<0.05	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	13	13	<0.05	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			8.5	13	0	6.9	10.7	8.1153846	0.9467894
Silica	mg/L			8.3	13	0	2	10.3	7.0769231	2.7074446
Sodium, Dissolved	mg/L			158	13	0	158	197	176.15385	10.015373
Sulfate, Total	mg/L		250	380 d	13	0	354	421	388.76923	21.533516
Metals, Dissolved										
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	13	13	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.001	13	5	<0.001	0.002	0.0016154	0.0025508
Barium, Dissolved	mg/L	2		<0.1	13	13	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	13	12	<0.1	0.1	0.0538462	0.0138675
Cadmium, Dissolved	mg/L	0.005		<0.005	13	13	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	13	13	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	13	13	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	13	13	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.001	13	13	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.04	13	0	0.03	0.05	0.0392308	0.0049355
Mercury, Dissolved	mg/L	0.002		<0.001	13	13	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	13	13	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	13	13	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	13	13	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	13	13	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	13	13	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.003	13	0	0.003	0.005	0.0035	0.0005657
Vanadium, Dissolved	mg/L			<0.1	13	13	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	13	13	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated										
Selenium-IV, Dissolved	mg/L			<0.001	13	13	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	13	13	<0.001	<0.001	<0.001	<0.001
Metals, Suspended										
Uranium, Suspended	mg/L	0.03		<0.0003	13	9	<0.0003	0.0011	0.0002962	0.0002787
Metals, Total										
Antimony, Total	mg/L	0.006		<0.003	13	13	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.003 l	13	5	<0.001	0.006	0.0026154	0.0017218
Barium, Total	mg/L	2		<0.1	13	13	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	13	13	<0.001	<0.003	<0.003	<0.003
Boron, Total	mg/L			<0.1	13	12	<0.1	0.1	0.0538462	0.0138675
Cadmium, Total	mg/L	0.005		<0.005	13	13	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	13	13	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	13	13	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.6	13	0	0.45	2.38	0.9784615	0.6396203
Lead, Total	mg/L			0.001	13	9	<0.001	0.017	0.0021923	0.0045622
Manganese, Total	mg/L		0.05	0.05	13	0	0.05	0.09	0.0630769	0.0149358
Mercury, Total	mg/L	0.002		<0.001	13	13	<0.0001	<0.001	<0.001	<0.001
Mercury, Total A3112B	mg/L	0.002		NM	1	1	<0.0001	<0.0001	<0.0001	---
Molybdenum, Total	mg/L			<0.1	13	13	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	13	13	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	13	12	<0.001	0.003	0.0008462	0.0007183
Silver, Total	mg/L		0.1	<0.005	13	13	<0.005	<0.02	<0.02	<0.02
Strontium, Total	mg/L			0.9	13	0	0.8	1	0.9384615	0.0650444
Thallium, Total	mg/L	0.002		<0.001	13	12	<0.001	0.002	0.0006154	0.000416

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				689	Summary Statistics for Hydro ID 689					
Month Sampled				Feb-09						
Date and Time Collected				2/24/2009 4:04:00 PM						
Lab ID				R09020293 -010						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Uranium, Total	mg/L	0.03		0.0032	13	0	0.003	0.0117	0.0048462	0.0024514
Zinc, Total	mg/L		5	0.02	13	10	<0.01	0.09	0.0130769	0.0234999
Radionuclides, Dissolved										
Gross Alpha, Dissolved	pCi/L	15		23.9	13	0	23.9	64.3	39.007692	11.626655
Gross Beta, Dissolved	pCi/L			12	13	0	9.2	23	14.546154	4.0617351
Gross Gamma, Dissolved	pCi/L			0 j	13	0	0	1100	398.92308	489.82828
Lead 210, Dissolved	pCi/L			0.5 j	13	0	-31	6.3	-2.038462	9.2163386
Polonium 210, Dissolved	pCi/L			0.44 j	13	0	-0.4	1.1	0.2391538	0.3895544
Radium 226, Dissolved	pCi/L	5		5.4	13	0	4.2	7.9	6.1307692	1.1404565
Thorium 230, Dissolved	pCi/L			-0.001 j	13	0	-0.1	0.2	0.0460769	0.0877501
Radionuclides, Suspended										
Lead 210, Suspended	pCi/L			-2 j	13	0	-9	1.4	-1.653846	3.0021146
Polonium 210, Suspended	pCi/L			0.35 j	13	0	-0.1	0.6	0.1843077	0.2233541
Radium 226, Suspended	pCi/L	5		-0.2 j	13	0	-0.4	2	0.1638462	0.682856
Thorium 230, Suspended	pCi/L			0.2 j	13	0	-0.2	0.4	0.1307692	0.2097006
Radionuclides, Total										
Radon 222, Total	pCi/L			1810	13	0	1130	2580	1900.7692	473.52335
Data Quality Parameters										
A/C Balance (± 5)	%			-2.77	13	0	-4.96	5.87	1.0869231	3.1372769
Anions	meq/l			11.1	13	0	10.6	12	11.284615	0.4597937
Cations	meq/l			10.5	13	0	10.5	13	11.530769	0.6511331
Solids, Total Dissolved Calculated	mg/L			722	13	0	717	815	751.38462	28.132243
TDS Balance (0.80 - 1.20)	dec. %			0.95	13	0	0.88	1.02	0.9592308	0.0398877

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				690	Summary Statistics for Hydro ID 690					
Month Sampled				Jul-08						
Date and Time Collected				7/7/2008 6:10:00 PM						
Lab ID				R08070115 -005						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters										
Field Conductivity	umhos/cm			2112	1	0	2112	2112	2112	---
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	9.36	1	0	9.36	9.36	9.36	---
Field Temperature	Deg C			14.12	1	0	14.12	14.12	14.12	---
Field Turbidity	NTUs			13.2	1	0	13.2	13.2	13.2	---
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM
Physical Properties										
Conductivity @ 25 C	umhos/cm			2000	1	0	2000	2000	2000	---
Oxidation-Reduction Potential	mV			220	1	0	220	220	220	---
pH, Laboratory	s.u.		6.5-8.5	9.27	1	0	9.27	9.27	9.27	---
Sodium Adsorption Ratio (SAR)	unitless			10	1	0	10	10	10	---
Solids, Total Dissolved TDS @ 180 C	mg/L		500	1400	1	0	1400	1400	1400	---
Major Ions										
Alkalinity, Total as CaCO3	mg/L			38	1	0	38	38	38	---
Bicarbonate as HCO3	mg/L			32	1	0	32	32	32	---
Calcium, Dissolved	mg/L			42.1	1	0	42.1	42.1	42.1	---
Carbonate as CO3	mg/L			7	1	0	7	7	7	---
Chloride	mg/L		250	30	1	0	30	30	30	---
Fluoride	mg/L	4	2	0.5	1	0	0.5	0.5	0.5	---
Magnesium, Dissolved	mg/L			25.4	1	0	25.4	25.4	25.4	---
Nitrogen, Ammonia as N	mg/L			0.3	1	0	0.3	0.3	0.3	---
Nitrogen, Nitrate as N	mg/L	10		0.2	1	0	0.2	0.2	0.2	---
Nitrogen, Nitrite as N	mg/L	1		<0.1	1	1	<0.1	<0.1	<0.1	---
Potassium, Dissolved	mg/L			14	1	0	14	14	14	---
Silica	mg/L			<0.5	1	1	<0.5	<0.5	<0.5	---
Sodium, Dissolved	mg/L			342	1	0	342	342	342	---
Sulfate, Total	mg/L		250	807 d	1	0	807	807	807	---
Metals, Dissolved										
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	1	1	<0.1	<0.1	<0.1	---
Arsenic, Dissolved	mg/L	0.01		<0.001	1	1	<0.001	<0.001	<0.001	---
Barium, Dissolved	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Boron, Dissolved	mg/L			0.7	1	0	0.7	0.7	0.7	---
Cadmium, Dissolved	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Dissolved	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Dissolved	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Dissolved	mg/L		0.3	<0.03	1	1	<0.03	<0.03	<0.03	---
Lead, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Manganese, Dissolved	mg/L		0.05	<0.01	1	1	<0.01	<0.01	<0.01	---
Mercury, Dissolved	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Molybdenum, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Dissolved	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Dissolved	mg/L	0.05		<0.001	1	1	<0.001	<0.001	<0.001	---
Silver, Dissolved	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Thorium 232, Dissolved	mg/L			<0.005	1	1	<0.005	<0.005	<0.005	---
Uranium, Dissolved	mg/L	0.03		<0.0003	1	1	<0.0003	<0.0003	<0.0003	---
Vanadium, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Zinc, Dissolved	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Metals, Dissolved, Speciated										
Selenium-IV, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Selenium-VI, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Metals, Suspended										
Uranium, Suspended	mg/L	0.03		<0.0003	1	1	<0.0003	<0.0003	<0.0003	---
Metals, Total										
Antimony, Total	mg/L	0.006		<0.003	1	1	<0.003	<0.003	<0.003	---
Arsenic, Total	mg/L	0.01		<0.001	1	1	<0.001	<0.001	<0.001	---
Barium, Total	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Beryllium, Total	mg/L	0.004		<0.001	1	1	<0.001	<0.001	<0.001	---
Boron, Total	mg/L			0.7	1	0	0.7	0.7	0.7	---
Cadmium, Total	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Total	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Total	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Total	mg/L		0.3	1.48	1	0	1.48	1.48	1.48	---
Lead, Total	mg/L			0.019	1	0	0.019	0.019	0.019	---
Manganese, Total	mg/L		0.05	0.02	1	0	0.02	0.02	0.02	---
Mercury, Total	mg/L	0.002		<0.0002	1	1	<0.0002	<0.0002	<0.0002	---
Mercury, Total A3112B	mg/L	0.002		<0.0001	1	1	<0.0001	<0.0001	<0.0001	---
Molybdenum, Total	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Total	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Total	mg/L	0.05		<0.001	1	1	<0.001	<0.001	<0.001	---
Silver, Total	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Strontium, Total	mg/L			2.6	1	0	2.6	2.6	2.6	---
Thallium, Total	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				690	Summary Statistics for Hydro ID 690					
Month Sampled				Jul-08						
Date and Time Collected				7/7/2008 6:10:00 PM						
Lab ID				R08070115-005						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Uranium, Total	mg/L	0.03		<0.0003	1	1	<0.0003	<0.0003	<0.0003	---
Zinc, Total	mg/L		5	0.2	1	0	0.2	0.2	0.2	---
Radionuclides, Dissolved										
Gross Alpha, Dissolved	pCi/L	15		4.8 j	1	0	4.8	4.8	4.8	---
Gross Beta, Dissolved	pCi/L			6.1	1	0	6.1	6.1	6.1	---
Gross Gamma, Dissolved	pCi/L			1100	1	0	1100	1100	1100	---
Lead 210, Dissolved	pCi/L			1.8 j	1	0	1.8	1.8	1.8	---
Polonium 210, Dissolved	pCi/L			0.7 j	1	0	0.7	0.7	0.7	---
Radium 226, Dissolved	pCi/L	5		0.2 j	1	0	0.2	0.2	0.2	---
Thorium 230, Dissolved	pCi/L			0 j	1	0	0	0	0	---
Radionuclides, Suspended										
Lead 210, Suspended	pCi/L			-5.7 j	1	0	-5.7	-5.7	-5.7	---
Polonium 210, Suspended	pCi/L			0.1 j	1	0	0.1	0.1	0.1	---
Radium 226, Suspended	pCi/L	5		-0.3 j	1	0	-0.3	-0.3	-0.3	---
Thorium 230, Suspended	pCi/L			0 j	1	0	0	0	0	---
Radionuclides, Total										
Radon 222, Total	pCi/L			194	1	0	194	194	194	---
Data Quality Parameters										
A/C Balance (± 5)	%			2.66	1	0	2.66	2.66	2.66	---
Anions	meq/l			18.4	1	0	18.4	18.4	18.4	---
Cations	meq/l			19.4	1	0	19.4	19.4	19.4	---
Solids, Total Dissolved Calculated	mg/L			1280	1	0	1280	1280	1280	---
TDS Balance (0.80 - 1.20)	dec. %			1.09	1	0	1.09	1.09	1.09	---

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				691	Summary Statistics for Hydro ID 691					
Month Sampled				Jul-08						
Date and Time Collected				7/1/2008 7:17:00 PM						
Lab ID				R08070035-002						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters										
Field Conductivity	umhos/cm			5454	1	0	5454	5454	5454	---
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	12.67	1	0	12.67	12.67	12.67	---
Field Temperature	Deg C			12.93	1	0	12.93	12.93	12.93	---
Field Turbidity	NTUs			1.1	1	0	1.1	1.1	1.1	---
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM
Physical Properties										
Conductivity @ 25 C	umhos/cm			5360	1	0	5360	5360	5360	---
Oxidation-Reduction Potential	mV			24	1	0	24	24	24	---
pH, Laboratory	s.u.		6.5-8.5	12.4	1	0	12.4	12.4	12.4	---
Sodium Adsorption Ratio (SAR)	unitless			6.5	1	0	6.5	6.5	6.5	---
Solids, Total Dissolved TDS @ 180 C	mg/L		500	1500	1	0	1500	1500	1500	---
Major Ions										
Alkalinity, Total as CaCO3	mg/L			1160	1	0	1160	1160	1160	---
Bicarbonate as HCO3	mg/L			<5	1	1	<5	<5	<5	---
Calcium, Dissolved	mg/L			251	1	0	251	251	251	---
Carbonate as CO3	mg/L			19	1	0	19	19	19	---
Chloride	mg/L		250	113 d	1	0	113	113	113	---
Fluoride	mg/L	4	2	0.3	1	0	0.3	0.3	0.3	---
Magnesium, Dissolved	mg/L			<0.5	1	1	<0.5	<0.5	<0.5	---
Nitrogen, Ammonia as N	mg/L			1.2	1	0	1.2	1.2	1.2	---
Nitrogen, Nitrate as N	mg/L	10		<0.1	1	1	<0.1	<0.1	<0.1	---
Nitrogen, Nitrite as N	mg/L	1		<0.1	1	1	<0.1	<0.1	<0.1	---
Potassium, Dissolved	mg/L			16.7	1	0	16.7	16.7	16.7	---
Silica	mg/L			0.8	1	0	0.8	0.8	0.8	---
Sodium, Dissolved	mg/L			373 d	1	0	373	373	373	---
Sulfate, Total	mg/L		250	159 d	1	0	159	159	159	---
Metals, Dissolved										
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	1	1	<0.1	<0.1	<0.1	---
Arsenic, Dissolved	mg/L	0.01		<0.001	1	1	<0.001	<0.001	<0.001	---
Barium, Dissolved	mg/L	2		0.5	1	0	0.5	0.5	0.5	---
Boron, Dissolved	mg/L			0.1	1	0	0.1	0.1	0.1	---
Cadmium, Dissolved	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Dissolved	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Dissolved	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Dissolved	mg/L		0.3	<0.03	1	1	<0.03	<0.03	<0.03	---
Lead, Dissolved	mg/L			0.011	1	0	0.011	0.011	0.011	---
Manganese, Dissolved	mg/L		0.05	<0.01	1	1	<0.01	<0.01	<0.01	---
Mercury, Dissolved	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Molybdenum, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Dissolved	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Dissolved	mg/L	0.05		<0.001	1	1	<0.001	<0.001	<0.001	---
Silver, Dissolved	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Thorium 232, Dissolved	mg/L			<0.005	1	1	<0.005	<0.005	<0.005	---
Uranium, Dissolved	mg/L	0.03		<0.0003	1	1	<0.0003	<0.0003	<0.0003	---
Vanadium, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Zinc, Dissolved	mg/L		5	0.01	1	0	0.01	0.01	0.01	---
Metals, Dissolved, Speciated										
Selenium-IV, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Selenium-VI, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Metals, Suspended										
Uranium, Suspended	mg/L	0.03		<0.0003	1	1	<0.0003	<0.0003	<0.0003	---
Metals, Total										
Antimony, Total	mg/L	0.006		<0.003	1	1	<0.003	<0.003	<0.003	---
Arsenic, Total	mg/L	0.01		<0.002	1	1	<0.002	<0.002	<0.002	---
Barium, Total	mg/L	2		0.5	1	0	0.5	0.5	0.5	---
Beryllium, Total	mg/L	0.004		<0.001	1	1	<0.001	<0.001	<0.001	---
Boron, Total	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Cadmium, Total	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Total	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Total	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Total	mg/L		0.3	0.1	1	0	0.1	0.1	0.1	---
Lead, Total	mg/L			0.035	1	0	0.035	0.035	0.035	---
Manganese, Total	mg/L		0.05	<0.01	1	1	<0.01	<0.01	<0.01	---
Mercury, Total	mg/L	0.002		<0.0002	1	1	<0.0002	<0.0002	<0.0002	---
Mercury, Total A3112B	mg/L	0.002		<0.0001	1	1	<0.0001	<0.0001	<0.0001	---
Molybdenum, Total	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Total	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Total	mg/L	0.05		0.003 d	1	0	0.003	0.003	0.003	---
Silver, Total	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Strontium, Total	mg/L			5.3	1	0	5.3	5.3	5.3	---
Thallium, Total	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				691	Summary Statistics for Hydro ID 691					
Month Sampled				Jul-08						
Date and Time Collected				7/1/2008 7:17:00 PM						
Lab ID				R08070035 -002						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Uranium, Total	mg/L	0.03		<0.0003	1	1	<0.0003	<0.0003	<0.0003	---
Zinc, Total	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Radionuclides, Dissolved										
Gross Alpha, Dissolved	pCi/L	15		2.9 j	1	0	2.9	2.9	2.9	---
Gross Beta, Dissolved	pCi/L			15.4	1	0	15.4	15.4	15.4	---
Gross Gamma, Dissolved	pCi/L			0 j	1	0	0	0	0	---
Lead 210, Dissolved	pCi/L			0.5 j	1	0	0.5	0.5	0.5	---
Polonium 210, Dissolved	pCi/L			-0.1 j	1	0	-0.1	-0.1	-0.1	---
Radium 226, Dissolved	pCi/L	5		1.2	1	0	1.2	1.2	1.2	---
Thorium 230, Dissolved	pCi/L			0 j	1	0	0	0	0	---
Radionuclides, Suspended										
Lead 210, Suspended	pCi/L			2.2 j	1	0	2.2	2.2	2.2	---
Polonium 210, Suspended	pCi/L			-0.1 j	1	0	-0.1	-0.1	-0.1	---
Radium 226, Suspended	pCi/L	5		0.2 j	1	0	0.2	0.2	0.2	---
Thorium 230, Suspended	pCi/L			0 j	1	0	0	0	0	---
Radionuclides, Total										
Radon 222, Total	pCi/L			119	1	0	119	119	119	---
Data Quality Parameters										
A/C Balance (± 5)	%			-0.59	1	0	-0.59	-1	-0.59	---
Anions	meq/l			29.6	1	0	29.6	29.6	29.6	---
Cations	meq/l			29.3	1	0	29.3	29.3	29.3	---
Solids, Total Dissolved Calculated	mg/L			1610	1	0	1610	1610	1610	---
TDS Balance (0.80 - 1.20)	dec. %			0.95	1	0	0.95	0.95	0.95	---

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				692	Summary Statistics for Hydro ID 692					
Month Sampled				Jul-08						
Date and Time Collected				7/7/2008 1:39:00 PM						
Lab ID				R08070115-001						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters										
Field Conductivity	umhos/cm			1264	1	0	1264	1264	1264	---
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	7.44	1	0	7.44	7.44	7.44	---
Field Temperature	Deg C			12.62	1	0	12.62	12.62	12.62	---
Field Turbidity	NTUs			NM	NM	NM	NM	NM	NM	NM
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM
Physical Properties										
Conductivity @ 25 C	umhos/cm			1260	1	0	1260	1260	1260	---
Oxidation-Reduction Potential	mV			180	1	0	180	180	180	---
pH, Laboratory	s.u.		6.5-8.5	7.6	1	0	7.6	7.6	7.6	---
Sodium Adsorption Ratio (SAR)	unitless			2	1	0	2	2	2	---
Solids, Total Dissolved TDS @ 180 C	mg/L		500	940	1	0	940	940	940	---
Major Ions										
Alkalinity, Total as CaCO3	mg/L			186	1	0	186	186	186	---
Bicarbonate as HCO3	mg/L			227	1	0	227	227	227	---
Calcium, Dissolved	mg/L			131	1	0	131	131	131	---
Carbonate as CO3	mg/L			<5	1	1	<5	<5	<5	---
Chloride	mg/L		250	8	1	0	8	8	8	---
Fluoride	mg/L	4	2	0.4	1	0	0.4	0.4	0.4	---
Magnesium, Dissolved	mg/L			46.5	1	0	46.5	46.5	46.5	---
Nitrogen, Ammonia as N	mg/L			0.2	1	0	0.2	0.2	0.2	---
Nitrogen, Nitrate as N	mg/L	10		<0.1	1	1	<0.1	<0.1	<0.1	---
Nitrogen, Nitrite as N	mg/L	1		<0.1	1	1	<0.1	<0.1	<0.1	---
Potassium, Dissolved	mg/L			14.7	1	0	14.7	14.7	14.7	---
Silica	mg/L			4.8	1	0	4.8	4.8	4.8	---
Sodium, Dissolved	mg/L			105 d	1	0	105	105	105	---
Sulfate, Total	mg/L		250	483 d	1	0	483	483	483	---
Metals, Dissolved										
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	1	1	<0.1	<0.1	<0.1	---
Arsenic, Dissolved	mg/L	0.01		0.002	1	0	0.002	0.002	0.002	---
Barium, Dissolved	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Boron, Dissolved	mg/L			0.1	1	0	0.1	0.1	0.1	---
Cadmium, Dissolved	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Dissolved	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Dissolved	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Dissolved	mg/L		0.3	<0.03	1	1	<0.03	<0.03	<0.03	---
Lead, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Manganese, Dissolved	mg/L		0.05	0.14	1	0	0.14	0.14	0.14	---
Mercury, Dissolved	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Molybdenum, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Dissolved	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Dissolved	mg/L	0.05		0.002	1	0	0.002	0.002	0.002	---
Silver, Dissolved	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Thorium 232, Dissolved	mg/L			<0.005	1	1	<0.005	<0.005	<0.005	---
Uranium, Dissolved	mg/L	0.03		0.0135	1	0	0.0135	0.0135	0.0135	---
Vanadium, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Zinc, Dissolved	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Metals, Dissolved, Speciated										
Selenium-IV, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Selenium-VI, Dissolved	mg/L			0.002	1	0	0.002	0.002	0.002	---
Metals, Suspended										
Uranium, Suspended	mg/L	0.03		0.0067	1	0	0.0067	0.0067	0.0067	---
Metals, Total										
Antimony, Total	mg/L	0.006		<0.003	1	1	<0.003	<0.003	<0.003	---
Arsenic, Total	mg/L	0.01		0.005	1	0	0.005	0.005	0.005	---
Barium, Total	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Beryllium, Total	mg/L	0.004		<0.001	1	1	<0.001	<0.001	<0.001	---
Boron, Total	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Cadmium, Total	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Total	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Total	mg/L		1	0.01	1	0	0.01	0.01	0.01	---
Iron, Total	mg/L		0.3	7.24	1	0	7.24	7.24	7.24	---
Lead, Total	mg/L			0.006	1	0	0.006	0.006	0.006	---
Manganese, Total	mg/L		0.05	0.24	1	0	0.24	0.24	0.24	---
Mercury, Total	mg/L	0.002		<0.0002	1	1	<0.0002	<0.0002	<0.0002	---
Mercury, Total A3112B	mg/L	0.002		<0.0001	1	1	<0.0001	<0.0001	<0.0001	---
Molybdenum, Total	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Total	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Total	mg/L	0.05		<0.001	1	1	<0.001	<0.001	<0.001	---
Silver, Total	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Strontium, Total	mg/L			3.2	1	0	3.2	3.2	3.2	---
Thallium, Total	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				692	Summary Statistics for Hydro ID 692					
Month Sampled				Jul-08						
Date and Time Collected				7/7/2008 1:39:00 PM						
Lab ID				R08070115 -001						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Uranium, Total	mg/L	0.03		0.0202	1	0	0.0202	0.0202	0.0202	---
Zinc, Total	mg/L		5	0.03	1	0	0.03	0.03	0.03	---
Radionuclides, Dissolved										
Gross Alpha, Dissolved	pCi/L	15		1450	1	0	1450	1450	1450	---
Gross Beta, Dissolved	pCi/L			447	1	0	447	447	447	---
Gross Gamma, Dissolved	pCi/L			2400	1	0	2400	2400	2400	---
Lead 210, Dissolved	pCi/L			22.5	1	0	22.5	22.5	22.5	---
Polonium 210, Dissolved	pCi/L			3.5	1	0	3.5	3.5	3.5	---
Radium 226, Dissolved	pCi/L	5		484	1	0	484	484	484	---
Thorium 230, Dissolved	pCi/L			0 j	1	0	0	0	0	---
Radionuclides, Suspended										
Lead 210, Suspended	pCi/L			125	1	0	125	125	125	---
Polonium 210, Suspended	pCi/L			12	1	0	12	12	12	---
Radium 226, Suspended	pCi/L	5		96.1	1	0	96.1	96.1	96.1	---
Thorium 230, Suspended	pCi/L			2.6	1	0	2.6	2.6	2.6	---
Radionuclides, Total										
Radon 222, Total	pCi/L			590000	1	0	590000	590000	590000	---
Data Quality Parameters										
A/C Balance (± 5)	%			4.52	1	0	4.52	4.52	4.52	---
Anions	meq/l			14	1	0	14	14	14	---
Cations	meq/l			15.4	1	0	15.4	15.4	15.4	---
Solids, Total Dissolved Calculated	mg/L			914	1	0	914	914	914	---
TDS Balance (0.80 - 1.20)	dec. %			1.02	1	0	1.02	1.02	1.02	---

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.
NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				693	Summary Statistics for Hydro ID 693					
Quarter Sampled				SA						
Date and Time Collected				7/1/2008 7:39:00 PM						
Lab ID				R08070035-001						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (Non-detects)	Minimum	Maximum	Mean*	StDev*
Field Parameters										
Field Conductivity	umhos/cm			2083	1	0	2083	2083	2083	---
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	9.27	1	0	9.27	9.27	9.2	---
Field Temperature	Deg C			14.52	1	0	14.52	14.52	14.5	---
Field Turbidity	NTUs			9.2	1	0	9.2	9.2	9.2	---
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM
Physical Properties										
Conductivity @ 25 C	umhos/cm			1650	1	0	1650	1650	1650	---
Oxidation-Reduction Potential	mV			210	1	0	210	210	210	---
pH, Laboratory	s.u.		6.5-8.5	9.03	1	0	9.03	9.03	9	---
Sodium Adsorption Ratio (SAR)	unitless			9.1	1	0	9.1	9.1	9.1	---
Solids, Total Dissolved TDS @ 180 C	mg/L		500	1400	1	0	1400	1400	1400	---
Major Ions										
Alkalinity, Total as CaCO3	mg/L			68	1	0	68	68	68	---
Bicarbonate as HCO3	mg/L			68	1	0	68	68	68	---
Calcium, Dissolved	mg/L			73.7	1	0	73.7	73.7	73.7	---
Carbonate as CO3	mg/L			7	1	0	7	7	7	---
Chloride	mg/L		250	38 d	1	0	38	38	38	---
Fluoride	mg/L	4	2	0.6	1	0	0.6	0.6	0.6	---
Magnesium, Dissolved	mg/L			35.2	1	0	35.2	35.2	35.2	---
Nitrogen, Ammonia as N	mg/L			0.3	1	0	0.3	0.3	0.3	---
Nitrogen, Nitrate as N	mg/L	10		<0.1	1	1	<0.1	<0.1	<0.1	---
Nitrogen, Nitrite as N	mg/L	1		<0.1	1	1	<0.1	<0.1	<0.1	---
Potassium, Dissolved	mg/L			8.6	1	0	8.6	8.6	8.6	---
Silica	mg/L			5	1	0	5	5	5	---
Sodium, Dissolved	mg/L			380 d	1	0	380	380	380	---
Sulfate, Total	mg/L		250	886	1	0	886	886	886	---
Metals, Dissolved										
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	1	1	<0.1	<0.1	<0.1	---
Arsenic, Dissolved	mg/L	0.01		<0.001	1	1	<0.001	<0.001	<0.001	---
Barium, Dissolved	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Boron, Dissolved	mg/L			1	1	0	1	1	1	---
Cadmium, Dissolved	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Dissolved	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Dissolved	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Dissolved	mg/L		0.3	0.06	1	0	0.06	0.06	0.06	---
Lead, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Manganese, Dissolved	mg/L		0.05	<0.01	1	1	<0.01	<0.01	<0.01	---
Mercury, Dissolved	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Molybdenum, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Dissolved	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Dissolved	mg/L	0.05		<0.001	1	1	<0.001	<0.001	<0.001	---
Silver, Dissolved	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Thorium 232, Dissolved	mg/L			<0.005	1	1	<0.005	<0.005	<0.005	---
Uranium, Dissolved	mg/L	0.03		<0.0003	1	1	<0.0003	<0.0003	<0.0003	---
Vanadium, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Zinc, Dissolved	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Metals, Dissolved, Speciated										
Selenium-IV, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Selenium-VI, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Metals, Suspended										
Uranium, Suspended	mg/L	0.03		<0.0003	1	1	<0.0003	<0.0003	<0.0003	---
Metals, Total										
Antimony, Total	mg/L	0.006		<0.003	1	1	<0.003	<0.003	<0.003	---
Arsenic, Total	mg/L	0.01		<0.001	1	1	<0.001	<0.001	<0.001	---
Barium, Total	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Beryllium, Total	mg/L	0.004		<0.001	1	1	<0.001	<0.001	<0.001	---
Boron, Total	mg/L			1.1	1	0	1.1	1.1	1.1	---
Cadmium, Total	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Total	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Total	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Total	mg/L		0.3	1.44	1	0	1.44	1.44	1.4	---
Lead, Total	mg/L			<0.003	1	1	<0.003	<0.003	<0.003	---
Manganese, Total	mg/L		0.05	0.01	1	0	0.01	0.01	0.01	---
Mercury, Total	mg/L	0.002		<0.0002	1	1	<0.0002	<0.0002	<0.0002	---
Mercury, Total A3112B	mg/L	0.002		<0.0001	1	1	<0.0001	<0.0001	<0.0001	---
Molybdenum, Total	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Total	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Total	mg/L	0.05		0.005 d	1	0	0.005	0.005	0.005	---
Silver, Total	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Strontium, Total	mg/L			2.1	1	0	2.1	2.1	2.1	---
Thallium, Total	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				693	Summary Statistics for Hydro ID 693					
Quarter Sampled				SA						
Date and Time Collected				7/1/2008 7:39:00 PM						
Lab ID				R08070035 -001						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (Non-detects)	Minimum	Maximum	Mean*	StDev*
Uranium, Total	mg/L	0.03		<0.0003	1	1	<0.0003	<0.0003	<0.0003	---
Zinc, Total	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Radionuclides, Dissolved										
Gross Alpha, Dissolved	pCi/L	15		2.8 j	1	0	2.8	2.8	2.8	---
Gross Beta, Dissolved	pCi/L			2.7 j	1	0	2.7	2.7	2.7	---
Gross Gamma, Dissolved	pCi/L			0 j	1	0	0	0	0	---
Lead 210, Dissolved	pCi/L			1.3 j	1	0	1.3	1.3	1.3	---
Polonium 210, Dissolved	pCi/L			0.3 j	1	0	0.3	0.3	0.3	---
Radium 226, Dissolved	pCi/L	5		0.6	1	0	0.6	0.6	0.6	---
Thorium 230, Dissolved	pCi/L			0 j	1	0	0	0	0	---
Radionuclides, Suspended										
Lead 210, Suspended	pCi/L			-1.3 j	1	0	-1.3	-1.3	-1.3	---
Polonium 210, Suspended	pCi/L			0 j	1	0	0	0	0	---
Radium 226, Suspended	pCi/L	5		0.2 j	1	0	0.2	0.2	0.2	---
Thorium 230, Suspended	pCi/L			0 j	1	0	0	0	0	---
Radionuclides, Total										
Radon 222, Total	pCi/L			424	1	0	424	424	424	---
Data Quality Parameters										
A/C Balance (± 5)	%			5.47	1	0	5.47	5.47	5.4	---
Anions	meq/l			20.9	1	0	20.9	20.9	20.9	---
Cations	meq/l			23.3	1	0	23.3	23.3	23.3	---
Solids, Total Dissolved Calculated	mg/L			1480	1	0	1480	1480	1480	---
TDS Balance (0.80 - 1.20)	dec. %			0.98	1	0	0.98	0.98	0.9	---

* 1/2 RL used to calculate the mean wherer non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				694	694	694	694	694	694	694	694
Month Sampled				Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08
Date and Time Collected				3/31/2008 1:41:00 PM	4/22/2008 4:58:00 PM	5/21/2008 11:55:00 AM	6/24/2008 3:08:00 PM	7/14/2008 3:10:00 PM	8/20/2008 3:10:00 PM	9/23/2008 9:35:00 AM	10/21/2008 8:45:00 AM
Lab ID				R08040002 -001	R08040287 -007	R08050321 -001	R08060427 -002	R08070244 -004	R08080332 -006	R08090356 -006	R08100295 -014
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result	Result
Field Parameters											
Field Conductivity	umhos/cm			1316	1433	1409	1438	1460	1318	1470	1480
Field Dissolved Oxygen	mg/L			0.28	0.3	0.2	0.19	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	8.81	8.57	8.45	7.89	7.65	NM	8.09	8.09
Field Temperature	Deg C			11.73	11.72	10.86	12.06	13.2	12.81	13.1	12
Field Turbidity	NTUs			-0.1	3.5	0.1	0	5.3	4.3	NM	NM
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	3639.8	3639.11
Physical Properties											
Conductivity @ 25 C	umhos/cm			1440	1410	1420	1390	1350	1690	1100	1490
Oxidation-Reduction Potential	mV			170	200	120	99	100	210	190	200
pH, Laboratory	s.u.		6.5-8.5	8.71	8.47	8.35	8.29	8.19	8.29	8.15	8.26
Sodium Adsorption Ratio (SAR)	unitless			11	12	12	12	12	11	11	11
Solids, Total Dissolved TDS @ 180 C	mg/L		500	880	930	930	920	930	930	920	950
Major Ions											
Alkalinity, Total as CaCO3	mg/L			184	182	182	174	180	182	180	180
Bicarbonate as HCO3	mg/L			215	222	222	212	219	222	219	219
Calcium, Dissolved	mg/L			28	29.9	31	31.6	28.8	32.3	30.6	30.3
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	<5	<5	<5
Chloride	mg/L		250	15	12	12	12	13	13	12	13
Fluoride	mg/L	4	2	0.3	0.3	0.4	0.4	0.5	0.4	0.4	0.3
Magnesium, Dissolved	mg/L			10	10.4	10.9	11.1	10.2	11	10.6	10.6
Nitrogen, Ammonia as N	mg/L			0.4	0.4	0.4	0.4	0.4	0.3	0.4	0.4
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			9.7	9.3	9.2	9.4	13.4	9.3	8.6	8.9
Silica	mg/L			8.1	4.4	4.7	5	2.1	4.5	<0.5	9.8
Sodium, Dissolved	mg/L			270	293 d	294 d	295 d	291	297 d	280	282 d
Sulfate, Total	mg/L		250	475 d	475	505 d	456	526 d	495 d	506 d	493 d
Metals, Dissolved											
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.002	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	0.07	0.09	0.1	0.08	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.05	0.06	0.07	0.07	0.06	0.07	0.05	0.06
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated											
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Metals, Suspended											
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Metals, Total											
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.003	0.002	0.002	<0.002	0.003	<0.001	<0.001	<0.001
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.04	0.08	0.1	0.67	0.14	0.1	0.14	0.13
Lead, Total	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	0.05	0.06	0.07	0.07	0.07	0.07	0.06	0.06
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.001	<0.001	<0.002	<0.002	<0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				694	694	694	694	694	694	694	694
Month Sampled				Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08
Date and Time Collected				3/31/2008 1:41:00 PM	4/22/2008 4:58:00 PM	5/21/2008 11:55:00 AM	6/24/2008 3:08:00 PM	7/14/2008 3:10:00 PM	8/20/2008 3:10:00 PM	9/23/2008 9:35:00 AM	10/21/2008 8:45:00 AM
Lab ID				R08040002 -001	R08040287 -007	R08050321 -001	R08060427 -002	R08070244 -004	R08080332 -006	R08090356 -006	R08100295 -014
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result	Result
Zinc, Total	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01
Radionuclides, Dissolved											
Gross Alpha, Dissolved	pCi/L	15		3.9	5.2	14.3	23.9	4	7.1	5.9	9.8
Gross Beta, Dissolved	pCi/L			-2.1 j	10.7	9	9.9	3.7 j	6.7	8.2	9.1
Gross Gamma, Dissolved	pCi/L			0 j	0 j	0 j	0 j	0 j	0 j	1000	1100
Lead 210, Dissolved	pCi/L			-11.2 j	-4.9 j	-2.7 j	-5.3 j	-3 j	3.4 j	-1 j	-1 j
Polonium 210, Dissolved	pCi/L			0.6 j	0.9 j	-0.2 j	0.2 j	-0.1 j	-0.3 j	0 j	0.1 j
Radium 226, Dissolved	pCi/L	5		1	0.5	1.8	3.3	0.4	1.3	1.5	0.8
Thorium 230, Dissolved	pCi/L			0 j	0 j	0 j	0 j	0 j	0 j	0 j	0 j
Radionuclides, Suspended											
Lead 210, Suspended	pCi/L			0 j	0 j	2.1 j	5.6 j	1.1 j	0.2 j	-0.9 j	-0.7 j
Polonium 210, Suspended	pCi/L			0.5 j	0.6 j	0 j	0.5 j	0 j	0.1 j	-0.062 j	0 j
Radium 226, Suspended	pCi/L	5		0.6	-0.2 j	-0.1 j	-0.4 j	-0.4 j	-0.1 j	-0.2 j	-0.3 j
Thorium 230, Suspended	pCi/L			0.2 j	0.2 j	0.1 j	0 j	0 j	0 j	-0.1 j	-0.3 j
Radionuclides, Total											
Radon 222, Total	pCi/L			190	185	497	517	228	343	214	260
Data Quality Parameters											
A/C Balance (± 5)	%			0.93	5.13	3.21	7.89	1.3	4.56	1.13	2.18
Anions	meq/l			14	13.9	14.5	13.3	14.9	14.3	14.5	14.3
Cations	meq/l			14.3	15.4	15.5	15.6	15.3	15.7	14.8	14.9
Solids, Total Dissolved Calculated	mg/L			941	951	984	934	996	978	957	973
TDS Balance (0.80 - 1.20)	dec. %			0.94	0.98	0.94	0.99	0.93	0.96	0.96	0.97

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.
NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL
Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				694	694	694	694	Summary Statistics for Hydro ID 694					
Month Sampled				Nov-08	Dec-08	Jan-09	Feb-09						
Date and Time Collected				11/18/2008 8:45:00 AM	12/17/2008 4:05:00 PM	1/20/2009 4:55:00 PM	2/24/2009 5:31:00 PM						
Lab ID				R08110211 -002	R08120255 -012	R09010301 -013	R09020293 -015						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			1460	1500	1450	1450	12	0	1316	1500	1432	58.469883
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	4	0	0.19	0.3	0.2425	0.0556028
Field pH	s.u.		6.5-8.5	8.11	8.22	7.51	8.24	11	0	7.51	8.81	8.1481818	0.3809152
Field Temperature	Deg C			10.4	9.9	12.7	11.3	12	0	9.9	13.2	11.815	1.0574369
Field Turbidity	NTUs			NM	NM	NM	NM	6	0	-0.1	5.3	2.1833333	2.459607
Water Level Elevation	ft AMSL			3639.57	3627.81	3649.03	3639.13	6	0	3627.81	3649.03	3639.075	6.734644
Physical Properties													
Conductivity @ 25 C	umhos/cm			1340	1340	1400	1290	12	0	1100	1690	1388.3333	136.37071
Oxidation-Reduction Potential	mV			280	260	240	130	12	0	99	280	183.25	60.927863
pH, Laboratory	s.u.		6.5-8.5	8.03	8.14	8.05	8.08	12	0	8.03	8.71	8.2508333	0.1945371
Sodium Adsorption Ratio (SAR)	unitless			12	11	11	11	12	0	11	12	11.416667	0.5149287
Solids, Total Dissolved TDS @ 180 C	mg/L		500	790	900	920	920	12	0	790	950	910	41.560471
Major Ions													
Alkalinity, Total as CaCO3	mg/L			178	180	178	182	12	0	174	184	180.16667	2.6227443
Bicarbonate as HCO3	mg/L			217	219	217	222	12	0	212	222	218.75	3.1370223
Calcium, Dissolved	mg/L			30.9	29.8	27	31 d	12	0	27	32.3	30.1	1.5219605
Carbonate as CO3	mg/L			<5	<5	<5	<5	12	12	<5	<5	<5	<5
Chloride	mg/L		250	13	13	12	12	12	0	12	15	12.666667	0.8876254
Fluoride	mg/L	4	2	0.4	0.3	0.5	0.4	12	0	0.3	0.5	0.3833333	0.0717741
Magnesium, Dissolved	mg/L			10.6	10.4	9.6	10.7	12	0	9.6	11.1	10.508333	0.4273775
Nitrogen, Ammonia as N	mg/L			0.4	0.4	0.4	0.4	12	0	0.3	0.4	0.3916667	0.0288675
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	12	12	<0.05	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	12	12	<0.05	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			9.1	9	8.8	10.1	12	0	8.6	13.4	9.5666667	1.272316
Silica	mg/L			9.9	9.9	7.5	8.8	12	1	<0.5	9.9	6.2458333	3.2250059
Sodium, Dissolved	mg/L			293 d	280 d	253	273	12	0	253	297	283.41667	13.180277
Sulfate, Total	mg/L		250	476 d	459 d	483 d	470	12	0	456	526	484.91667	20.698961
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.001	<0.001	<0.001	<0.001	12	10	<0.001	0.002	0.0006667	0.0004438
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	12	8	<0.03	0.1	0.0383333	0.0351188
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.06	0.07	0.06	0.06	12	0	0.05	0.07	0.0616667	0.0071774
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	12	12	<0.0003	<0.0003	<0.0003	<0.0003
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0009	<0.0003	<0.0003	12	12	<0.0003	<0.0009	<0.0009	<0.0009
Metals, Total													
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	12	12	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		<0.001	<0.001	<0.001	<0.001	12	8	<0.001	0.003	0.0012083	0.0010104
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.003	<0.003	<0.003
Boron, Total	mg/L			<0.1	<0.1	<0.1	<0.2	12	12	<0.1	<0.2	<0.2	<0.2
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.14	0.16	0.14 d	0.1	12	0	0.04	0.67	0.1616667	0.1635311
Lead, Total	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	0.06	0.06	0.06	0.07	12	0	0.05	0.07	0.0633333	0.0065134
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.0001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.002	<0.002	<0.002
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			0.7	0.7	0.8	0.8	12	0	0.7	0.8	0.775	0.0452267
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	12	12	<0.0003	<0.0003	<0.0003	<0.0003

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				694	694	694	694	Summary Statistics for Hydro ID 694					
Month Sampled				Nov-08	Dec-08	Jan-09	Feb-09						
Date and Time Collected				11/18/2008 8:45:00 AM	12/17/2008 4:05:00 PM	1/20/2009 4:55:00 PM	2/24/2009 5:31:00 PM						
Lab ID				R08110211 -002	R08120255 -012	R09010301 -013	R09020293 -015						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	<0.01	<0.01	<0.01	<0.01	12	11	<0.01	0.01	0.0054167	0.0014434
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		6.9	8.2	20.2	4.3 j	12	0	3.9	23.9	9.475	6.6008436
Gross Beta, Dissolved	pCi/L			9	9.5	6.4	2 j	12	0	-2.1	10.7	6.8416667	3.8263342
Gross Gamma, Dissolved	pCi/L			0 j	840	940	1000	12	0	0	1100	406.66667	505.84463
Lead 210, Dissolved	pCi/L			0 j	3.2 j	0.4 j	-0.3 j	12	0	-11.2	3.4	-1.866667	4.0007575
Polonium 210, Dissolved	pCi/L			0.2 j	0 j	0 j	-0.094 j	12	0	-0.3	0.9	0.1088333	0.3393442
Radium 226, Dissolved	pCi/L	5		0.8	0.8	1	1.3	12	0	0.4	3.3	1.2083333	0.7727852
Thorium 230, Dissolved	pCi/L			0.2 j	0.1 j	0.1 j	0.2	12	0	0	0.2	0.05	0.0797724
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			-6 j	0.5 j	-4 j	0.8 j	12	0	-6	5.6	-0.108333	2.8773278
Polonium 210, Suspended	pCi/L			-0.11 j	0 j	-0.035 j	0.045 j	12	0	-0.11	0.6	0.1281667	0.2508302
Radium 226, Suspended	pCi/L	5		-0.3 j	-0.1 j	-0.4 j	-0.2 j	12	0	-0.4	0.6	-0.175	0.270101
Thorium 230, Suspended	pCi/L			0 j	-0.2 j	-0.1 j	-0.04 j	12	0	-0.3	0.2	-0.02	0.1467218
Radionuclides, Total													
Radon 222, Total	pCi/L			222	182	250	234	12	0	182	517	276.83333	115.86656
Data Quality Parameters													
A/C Balance (± 5)	%			5.4	4.39	-2.22	2.91	12	0	-2.22	7.89	3.0675	2.6485815
Anions	meq/l			13.8	13.5	14	13.8	12	0	13.3	14.9	14.066667	0.453939
Cations	meq/l			15.4	14.8	13.4	14.6	12	0	13.4	15.7	14.975	0.6607503
Solids, Total Dissolved Calculated	mg/L			967	936	921	941	12	0	921	996	956.58333	23.078752
TDS Balance (0.80 - 1.20)	dec. %			0.82	0.97	1	0.98	12	0	0.82	1	0.9533333	0.0469687

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				695	695	695	695	695	695	695	695
Month Sampled				Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08
Date and Time Collected				3/31/2008 4:31:00 PM	4/22/2008 12:46:00 PM	5/21/2008 2:45:00 PM	6/24/2008 5:30:00 PM	7/14/2008 1:42:00 PM	8/20/2008 2:20:00 PM	9/23/2008 11:00:00 AM	10/21/2008 9:10:00 AM
Lab ID				R08040002 -003	R08040287 -001	R08050321 -003	R08060427 -004	R08070244 -003	R08080332 -005	R08090356 -008	R08100295 -012
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result	Result
Field Parameters											
Field Conductivity	umhos/cm			1249	NM	1375	1405	1404	1297	1450	1440
Field Dissolved Oxygen	mg/L			0.14	NM	0.21	0.19	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	8	NM	7.86	7.53	7.26	NM	7.85	7.83
Field Temperature	Deg C			11.28	NM	11.89	11.87	12.75	12.23	13.3	12.3
Field Turbidity	NTUs			-0.1	NM	-0.1	-0.1	5.4	5.5	NM	NM
Water Level Elevation	ft AMSL			3634.12	3630.68	3630.27	3631.05	3631.95	3632.25	3632.62	3631.61
Physical Properties											
Conductivity @ 25 C	umhos/cm			1390	1370	1560	1380	1450	1650	1040	1440
Oxidation-Reduction Potential	mV			230	290	190	120	150	210	150	230
pH, Laboratory	s.u.		6.5-8.5	8.16	8.08	7.91	8.14	7.98	8.08	7.93	8.07
Sodium Adsorption Ratio (SAR)	unitless			7.3	7.8	7.6	7.5	8.1	7.8	7.3	7.5
Solids, Total Dissolved TDS @ 180 C	mg/L		500	870	910	920	920	950	900	880	1100
Major Ions											
Alkalinity, Total as CaCO3	mg/L			176	174	180	174	174	172	174	172
Bicarbonate as HCO3	mg/L			215	212	219	212	212	210	212	210
Calcium, Dissolved	mg/L			48	50.1	52.1	52.5	48	52.7	46.4	51.4
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	<5	<5	<5
Chloride	mg/L		250	14	11	11	11	12	12	12	13
Fluoride	mg/L	4	2	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.4
Magnesium, Dissolved	mg/L			17.8	17.6	19.4	18.8	17.8	18.9	17.3	18.5
Nitrogen, Ammonia as N	mg/L			0.2	0.2	0.2	0.1	0.2	0.1	0.2	0.2
Nitrogen, Nitrate as N	mg/L	10		<0.1	0.06	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			8.7	8.4	8.8	8.7	12.4	8.6	7.6	8.5
Silica	mg/L			7.4	3.9	4.4	4.4	1.9	4	<0.5	8.8
Sodium, Dissolved	mg/L			234	251 d	254 d	250 d	258	258 d	229	246 d
Sulfate, Total	mg/L		250	476 d	504	530 d	442	534 d	466 d	514	478 d
Metals, Dissolved											
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.001	0.001	0.001	<0.001	<0.001	<0.001	<0.001	0.001
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	0.07	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.07	0.08	0.09	0.08	0.08	0.08	0.07	0.08
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.003	0.0029	0.0029	0.0027	0.0028	0.0026	0.0027	0.003
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02
Metals, Dissolved, Speciated											
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Metals, Suspended											
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Metals, Total											
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.002	0.001	0.002	<0.001	0.004	<0.001	0.001	0.001
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.005	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			<0.1	<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		<0.001	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.11	0.14	0.12	0.12	0.16	0.16	0.16	0.16
Lead, Total	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	0.08	0.08	0.09	0.08	0.09	0.08	0.08	0.08
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.001	<0.001	<0.002	0.004 d	<0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			0.9	1	1	1	1	0.9	0.9	0.9
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		0.0031	0.0032	0.0029	0.0027	0.0031	0.0026	0.0029	0.003

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				695	695	695	695	695	695	695	695
Month Sampled				Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08
Date and Time Collected				3/31/2008 4:31:00 PM	4/22/2008 12:46:00 PM	5/21/2008 2:45:00 PM	6/24/2008 5:30:00 PM	7/14/2008 1:42:00 PM	8/20/2008 2:20:00 PM	9/23/2008 11:00:00 AM	10/21/2008 9:10:00 AM
Lab ID				R08040002 -003	R08040287 -001	R08050321 -003	R08060427 -004	R08070244 -003	R08080332 -005	R08090356 -008	R08100295 -012
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result	Result
Zinc, Total	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
Radionuclides, Dissolved											
Gross Alpha, Dissolved	pCi/L	15		52.2	29.4	25.6	39.7	28.2	21.6	15.9	27.8
Gross Beta, Dissolved	pCi/L			16.1	6	8	11	7.7	8.5	1.8 j	11.6
Gross Gamma, Dissolved	pCi/L			0 j	0 j	140	0 j	0 j	450	0 j	1100
Lead 210, Dissolved	pCi/L			-12.4 j	-1.8 j	3.1 j	0.7 j	-2 j	-1 j	1.5 j	-0.4 j
Polonium 210, Dissolved	pCi/L			1.1	1.6	-0.3 j	0.1 j	-0.1 j	-0.2 j	0 j	0 j
Radium 226, Dissolved	pCi/L	5		6.3	5	3.7	5.2	4.7	3.9	5.9	4
Thorium 230, Dissolved	pCi/L			0 j	0 j	0 j	0 j	0 j	0 j	0 j	0.1 j
Radionuclides, Suspended											
Lead 210, Suspended	pCi/L			0 j	-2.1 j	-0.7 j	2.9 j	-5 j	-6 j	4.4 j	-1 j
Polonium 210, Suspended	pCi/L			0.6 j	0.4 j	-0.2 j	0 j	0.2 j	0.1 j	0 j	0 j
Radium 226, Suspended	pCi/L	5		0.6	-0.4 j	-0.2 j	-0.1 j	-0.4 j	-0.005 j	-0.06 j	-0.3 j
Thorium 230, Suspended	pCi/L			0.1 j	0.3	0 j	0 j	0 j	0 j	0.3	0 j
Radionuclides, Total											
Radon 222, Total	pCi/L			1400	1400	2090	2120	1490	1950	1820	1860
Data Quality Parameters											
A/C Balance (± 5)	%			1.52	2.68	1.68	7.98	1.44	7.38	-2.1	4.33
Anions	meq/l			13.9	14.3	15	13	15	13.5	14.5	13.8
Cations	meq/l			14.3	15.1	15.5	15.3	15.4	15.6	13.9	15
Solids, Total Dissolved Calculated	mg/L			925	957	996	901	991	931	931	942
TDS Balance (0.80 - 1.20)	dec. %			0.94	0.96	0.92	1.02	0.96	0.97	0.95	1.15

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				695	695	695	695	Summary Statistics for Hydro ID 695					
Month Sampled				Nov-08	Dec-08	Jan-09	Feb-09						
Date and Time Collected				11/18/2008 1:25:00 PM	12/17/2008 3:10:00 PM	1/20/2009 12:15:00 PM	2/24/2009 4:56:00 PM						
Lab ID				R08110211 -009	R08120255 -010	R09010301 -005	R09020293 -013						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			1370	1480	1450	1400	11	0	1249	1480	1392.7273	68.843432
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	3	0	0.14	0.21	0.18	0.0360555
Field pH	s.u.		6.5-8.5	7.85	7.96	7.9	7.99	10	0	7.26	8	7.803	0.2322857
Field Temperature	Deg C			15	10.4	10.8	11.9	11	0	10.4	15	12.156364	1.252352
Field Turbidity	NTUs			NM	NM	NM	NM	5	0	-0.1	5.5	2.12	3.0400658
Water Level Elevation	ft AMSL			3632.65	3629.53	3632.53	3632.53	12	0	3629.53	3634.12	3631.8158	1.2581332
Physical Properties													
Conductivity @ 25 C	umhos/cm			1290	1320	1350	1350	12	0	1040	1650	1382.5	148.63775
Oxidation-Reduction Potential	mV			280	250	260	140	12	0	120	290	208.33333	57.813703
pH, Laboratory	s.u.		6.5-8.5	8.18	7.93	7.81	7.86	12	0	7.81	8.18	8.0108333	0.123543
Sodium Adsorption Ratio (SAR)	unitless			7.6	7.5	7.6	7	12	0	7	8.1	7.55	0.2812311
Solids, Total Dissolved TDS @ 180 C	mg/L		500	940	890	910	910	12	0	870	1100	925	59.620009
Major Ions													
Alkalinity, Total as CaCO3	mg/L			172	172	174	178	12	0	172	180	174.33333	2.5346089
Bicarbonate as HCO3	mg/L			210	210	212	217	12	0	210	219	212.58333	2.9374799
Calcium, Dissolved	mg/L			52.7	50.9	49.8	50 d	12	0	46.4	52.7	50.383333	2.072694
Carbonate as CO3	mg/L			<5	<5	<5	<5	12	12	<5	<5	<5	<5
Chloride	mg/L		250	13	12	12	12	12	0	11	14	12.083333	0.9003366
Fluoride	mg/L	4	2	0.4	0.4	0.6	0.5	12	0	0.4	0.6	0.45	0.06742
Magnesium, Dissolved	mg/L			19	18.4	18.3	17.6	12	0	17.3	19.4	18.283333	0.6630965
Nitrogen, Ammonia as N	mg/L			0.2	0.2	0.2	0.2	12	0	0.1	0.2	0.1833333	0.0389249
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	12	11	<0.1	0.06	0.0508333	0.0028868
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	12	12	<0.05	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			8.7	8.6	9.5	9.8	12	0	7.6	12.4	9.025	1.1924955
Silica	mg/L			8.9	8.8	7.9	7.6	12	1	<0.5	8.9	5.6875	2.9302595
Sodium, Dissolved	mg/L			253 d	247 d	247	225	12	0	225	258	246	10.946149
Sulfate, Total	mg/L		250	481 d	483 d	500 d	494 d	12	0	442	534	491.83333	26.51529
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.001	<0.001	<0.001	<0.001	12	9	<0.001	0.001	0.000625	0.0002261
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	12	11	<0.03	0.07	0.0195833	0.0158771
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.08	0.08	0.08	0.08	12	0	0.07	0.09	0.0791667	0.0051493
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0029	0.0026	0.0031	0.0028	12	0	0.0026	0.0031	0.0028333	0.0001614
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	12	11	<0.01	0.02	0.00625	0.0043301
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0009	<0.0003	<0.0003	12	12	<0.0003	<0.0009	<0.0009	<0.0009
Metals, Total													
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	12	12	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.001	<0.001	0.001	<0.001	12	4	<0.001	0.004	0.00125	0.0010113
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.005	<0.005	<0.005
Boron, Total	mg/L			<0.1	<0.1	<0.1	<0.2	12	11	<0.1	0.1	0.0583333	0.0194625
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	12	12	<0.001	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.16	0.17	0.13 d	0.23	12	0	0.11	0.23	0.1536364	0.0326413
Lead, Total	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	0.08	0.07	0.08	0.08	12	0	0.07	0.09	0.0808333	0.0051493
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.0001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	12	11	<0.001	0.004	0.0008333	0.0010075
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			0.9	0.9	1	0.9	12	0	0.9	1	0.9416667	0.0514929
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		0.0026	0.0026	0.0031	0.0027	12	0	0.0026	0.0032	0.002875	0.0002261

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				695	695	695	695	Summary Statistics for Hydro ID 695					
Month Sampled				Nov-08	Dec-08	Jan-09	Feb-09						
Date and Time Collected				11/18/2008 1:25:00 PM	12/17/2008 3:10:00 PM	1/20/2009 12:15:00 PM	2/24/2009 4:56:00 PM						
Lab ID				R08110211 -009	R08120255 -010	R09010301 -005	R09020293 -013						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	<0.01	<0.01	<0.01	0.01	12	10	<0.01	0.01	0.0058333	0.0019462
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		19.2	26.8	35.8	18.7	12	0	15.9	52.2	28.408333	10.188716
Gross Beta, Dissolved	pCi/L			9.7	13	12.1	12.7	12	0	1.8	16.1	9.85	3.7667203
Gross Gamma, Dissolved	pCi/L			1100	850	0 j	1200	12	0	0	1200	403.33333	509.22996
Lead 210, Dissolved	pCi/L			0.3 j	3.4 j	1.5 j	0.9 j	12	0	-12.4	3.4	-0.516667	4.1122507
Polonium 210, Dissolved	pCi/L			0 j	0 j	0.051 j	0.16 j	12	0	-0.3	1.6	0.2009167	0.5611507
Radium 226, Dissolved	pCi/L	5		4.8	4.8	4.5	4.7	12	0	3.7	6.3	4.7916667	0.7645062
Thorium 230, Dissolved	pCi/L			0.2 j	0.1 j	0 j	-0.02 j	12	0	-0.02	0.2	0.0316667	0.0663097
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			-0.9 j	5.9 j	6.6 j	0.1 j	12	0	-6	6.6	0.35	3.9587647
Polonium 210, Suspended	pCi/L			0.058 j	0.2 j	0.13 j	0.25 j	12	0	-0.2	0.6	0.1448333	0.2091202
Radium 226, Suspended	pCi/L	5		-0.2 j	-0.4 j	-0.1 j	-0.1 j	12	0	-0.4	0.6	-0.13875	0.2717964
Thorium 230, Suspended	pCi/L			0.1 j	-0.1 j	0 j	0.02 j	12	0	-0.1	0.3	0.06	0.1232883
Radionuclides, Total													
Radon 222, Total	pCi/L			2020	1880	1840	1600	12	0	1400	2120	1789.1667	256.56678
Data Quality Parameters													
A/C Balance (± 5)	%			5.57	4.06	2.54	-0.61	12	0	-2.1	7.98	3.0391667	3.0028213
Anions	meq/l			13.8	13.8	14.3	14.2	12	0	13	15	14.091667	0.5838093
Cations	meq/l			15.4	15	15	14	12	0	13.9	15.6	14.958333	0.5806866
Solids, Total Dissolved Calculated	mg/L			954	947	962	937	12	0	901	996	947.83333	26.86611
TDS Balance (0.80 - 1.20)	dec. %			0.98	0.94	0.95	0.97	12	0	0.92	1.15	0.9758333	0.0602206

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				696	696	696	696	696	696	696	696
Month Sampled				Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08
Date and Time Collected				3/30/2008 10:11:00 AM	4/21/2008 12:24:00 PM	5/21/2008 3:54:00 PM	6/24/2008 3:16:00 PM	7/14/2008 3:30:00 PM	8/20/2008 3:45:00 PM	9/23/2008 10:00:00 AM	10/21/2008 8:25:00 AM
Lab ID				R08030315 -001	R08040250 -001	R08050321 -004	R08060427 -003	R08070244 -005	R08080332 -007	R08090356 -005	R08100295 -013
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result	Result
Field Parameters											
Field Conductivity	umhos/cm			1245	1412	1366	1428	1436	1313	1440	1480
Field Dissolved Oxygen	mg/L			NM	0.09	0.28	NM	2.6	NM	NM	NM
Field pH	s.u.		6.5-8.5	7.5	7.45	7.47	7.5	7.31	NM	7.46	7.5
Field Temperature	Deg C			13.02	12.9	13.18	14.15	13.91	13.47	13.8	13.4
Field Turbidity	NTUs			3.1	4	12.9	2.1	6.2	5.5	NM	NM
Water Level Elevation	ft AMSL			3648.48	NM	3648.1	3648.81	3648.63	3649.08	3648.44	3648.44
Physical Properties											
Conductivity @ 25 C	umhos/cm			1370	1370	1550	1400	1320	1570	1070	1450
Oxidation-Reduction Potential	mV			280	360	210	140	160	220	230	240
pH, Laboratory	s.u.		6.5-8.5	7.65	7.94	7.54	7.82	7.73	7.81	7.63	7.96
Sodium Adsorption Ratio (SAR)	unitless			3.7	3.8	3.8	3.9	4.1	3.9	3.9	3.9
Solids, Total Dissolved TDS @ 180 C	mg/L		500	970	1000	970	960	980	990	950	1100
Major Ions											
Alkalinity, Total as CaCO3	mg/L			204	202	192	206	206	202	202	202
Bicarbonate as HCO3	mg/L			249	246	234	251	251	246	246	246
Calcium, Dissolved	mg/L			91.6	97	103	103	92	103	101	98.8
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	<5	<5	<5
Chloride	mg/L		250	11	9	9	9	9	9	9	9
Fluoride	mg/L	4	2	0.3	0.2	0.3	0.3	0.4	0.4	0.4	0.2
Magnesium, Dissolved	mg/L			35.4	37.6	38.6	37.1	36.9	36.9	37.3	36.5
Nitrogen, Ammonia as N	mg/L			0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			12.3	13	13.1	13.6	17.6	13.4	12.8	12.9
Silica	mg/L			8.1	8.4	4.7	4.6	2.1	4.1	<0.5	9.3
Sodium, Dissolved	mg/L			165	176	180 d	180 d	185	182 d	179	177 d
Sulfate, Total	mg/L		250	531 d	512	493 d	486	528 d	540 d	533 d	519 d
Metals, Dissolved											
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.002	0.002	0.002	0.001	0.002	<0.001	0.002	0.002
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	0.05	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.14	0.15	0.16	0.16	0.1	0.16	0.13	0.16
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0005	0.0005	0.0006	0.0006	0.0007	0.0005	0.0005	0.0006
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated											
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Metals, Suspended											
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Metals, Total											
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.005 d	0.002	0.004	<0.003	0.007	<0.001	0.002	0.002
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.18	0.14	0.16	0.14	0.17	0.15	0.18	0.17
Lead, Total	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	0.2	0.15	0.17	0.16	0.16	0.16	0.15	0.16
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.001	<0.001	<0.002	0.005 d	<0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			2.7	2.8	3	2.9	2.7	2.9	2.7	2.8
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		0.0006	0.0006	0.0006	0.0006	0.0005	0.0005	0.0006	0.0006

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				696	696	696	696	696	696	696	696
Month Sampled				Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08
Date and Time Collected				3/30/2008 10:11:00 AM	4/21/2008 12:24:00 PM	5/21/2008 3:54:00 PM	6/24/2008 3:16:00 PM	7/14/2008 3:30:00 PM	8/20/2008 3:45:00 PM	9/23/2008 10:00:00 AM	10/21/2008 8:25:00 AM
Lab ID				R08030315 -001	R08040250 -001	R08050321 -004	R08060427 -003	R08070244 -005	R08080332 -007	R08090356 -005	R08100295 -013
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result	Result
Zinc, Total	mg/L		5	0.02	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01
Radionuclides, Dissolved											
Gross Alpha, Dissolved	pCi/L	15		8.8	19.2	10.6	23.7	15.1	12.5	7.4	9.1
Gross Beta, Dissolved	pCi/L			10.3	15.7	12.5	15	11.1	10.7	9.3	11.1
Gross Gamma, Dissolved	pCi/L			0 j	0 j	0 j	0 j	0 j	0 j	0 j	1200
Lead 210, Dissolved	pCi/L			-9.8 j	0 j	-2.3 j	-0.1 j	1.1 j	0 j	-2 j	-1 j
Polonium 210, Dissolved	pCi/L			1.8	1.4	0.6 j	0 j	0.4 j	0 j	0.2 j	0.1 j
Radium 226, Dissolved	pCi/L	5		1.6	4.2	1.9	2.2	2.3	1.8	1.7	1.4
Thorium 230, Dissolved	pCi/L			0.2	0 j	0 j	0.1 j	0 j	0 j	0.1 j	0 j
Radionuclides, Suspended											
Lead 210, Suspended	pCi/L			0 j	0 j	1.4 j	4.8 j	0.2 j	-7 j	-1 j	-2 j
Polonium 210, Suspended	pCi/L			0.9 j	0.2 j	-0.1 j	0 j	0 j	0 j	0.17 j	0 j
Radium 226, Suspended	pCi/L	5		1	-0.4 j	-0.2 j	-0.3 j	-0.4 j	-0.1 j	-0.04 j	-0.4 j
Thorium 230, Suspended	pCi/L			0.1 j	0 j	0.3	0 j	0 j	0 j	0 j	0 j
Radionuclides, Total											
Radon 222, Total	pCi/L			313	251	619	611	245	401	296	281
Data Quality Parameters											
A/C Balance (± 5)	%			-1.48	3.2	6.92	6.22	2.38	2.72	2.57	2.88
Anions	meq/l			15.4	15	14.4	14.5	15.4	15.6	15.4	15.1
Cations	meq/l			15	15.9	16.5	16.4	16.2	16.4	16.2	16
Solids, Total Dissolved Calculated	mg/L			990	988	965	965	999	1020	993	999
TDS Balance (0.80 - 1.20)	dec. %			0.98	1.01	1.01	1	0.98	0.97	0.96	1.06

* 1/2 RL used to calculate mean and standard devaiation where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				696	696	696	696	Summary Statistics for Hydro ID 696					
Month Sampled				Nov-08	Dec-08	Jan-09	Feb-09						
Date and Time Collected				11/18/2008 9:00:00 AM	12/17/2008 3:45:00 PM	1/20/2009 5:00:00 PM	2/24/2009 5:15:00 PM						
Lab ID				R08110211 -003	R08120255 -011	R09010301 -014	R09020293 -014						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			1470	1490	1470	1420	12	0	1245	1490	1414.1667	73.153429
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	3	0	0.09	2.6	0.99	1.3975335
Field pH	s.u.		6.5-8.5	7.64	7.62	8.16	7.61	11	0	7.31	8.16	7.5654545	0.2180992
Field Temperature	Deg C			12.7	11.2	10.9	13.1	12	0	10.9	14.15	12.9775	0.9980993
Field Turbidity	NTUs			NM	NM	NM	NM	6	0	2.1	12.9	5.6333333	3.8655746
Water Level Elevation	ft AMSL			3648.44	3649.36	3639.9	3649.59	11	0	3639.9	3649.59	3647.9336	2.7014784
Physical Properties													
Conductivity @ 25 C	umhos/cm			1310	1320	1370	1340	12	0	1070	1570	1370	127.63585
Oxidation-Reduction Potential	mV			280	270	270	150	12	0	140	360	234.16667	63.883179
pH, Laboratory	s.u.		6.5-8.5	7.93	7.7	7.55	7.55	12	0	7.54	7.96	7.7341667	0.1565223
Sodium Adsorption Ratio (SAR)	unitless			4	3.8	3.8	3.7	12	0	3.7	4.1	3.8583333	0.11645
Solids, Total Dissolved TDS @ 180 C	mg/L		500	980	960	960	970	12	0	950	1100	982.5	39.571569
Major Ions													
Alkalinity, Total as CaCO3	mg/L			182	204	208	206	12	0	182	208	201.33333	7.3029674
Bicarbonate as HCO3	mg/L			222	249	254	251	12	0	222	254	245.41667	8.9082019
Calcium, Dissolved	mg/L			101	96.1	86.6	99 d	12	0	86.6	103	97.675	5.2648275
Carbonate as CO3	mg/L			<5	<5	<5	<5	12	12	<5	<5	<5	<5
Chloride	mg/L		250	9	9	9	9	12	0	9	11	9.1666667	0.5773503
Fluoride	mg/L	4	2	0.3	0.3	0.4	0.4	12	0	0.2	0.4	0.325	0.0753778
Magnesium, Dissolved	mg/L			36.2	36	32.8	35.5	12	0	32.8	38.6	36.4	1.4478825
Nitrogen, Ammonia as N	mg/L			0.2	0.3	0.2	0.2	12	0	0.2	0.3	0.2166667	0.0389249
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	12	12	<0.05	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	12	12	<0.05	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			13.3	12.9	12.3	13.6	12	0	12.3	17.6	13.4	1.3902256
Silica	mg/L			9.3	9.5	7.6	8.7	12	1	<0.5	9.5	6.3875	3.1302138
Sodium, Dissolved	mg/L			184 d	172 d	162	171	12	0	162	185	176.08333	7.2670906
Sulfate, Total	mg/L		250	484 d	507 d	508 d	518 d	12	0	484	540	513.25	18.513509
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.001	<0.001	0.001	0.001	12	2	<0.001	0.002	0.0014167	0.0006337
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	12	11	<0.03	0.05	0.0179167	0.0101036
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.15	0.16	0.15	0.15	12	0	0.1	0.16	0.1475	0.0176455
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0006	0.0005	0.0006	0.0005	12	0	0.0005	0.0007	0.0005583	6.686E-05
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	11	<0.1	0.1	0.0541667	0.0144338
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0009	<0.0003	<0.0003	12	12	<0.0003	<0.0009	<0.0009	<0.0009
Metals, Total													
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	12	12	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.002	0.002	0.002	0.001	12	2	<0.001	0.007	0.0025833	0.0018443
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.003	<0.003	<0.003
Boron, Total	mg/L			<0.1	0.1	<0.1	<0.2	12	11	<0.1	0.1	0.0583333	0.0194625
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.19	0.19	0.15 d	0.11	12	0	0.11	0.19	0.1608333	0.0239159
Lead, Total	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	0.15	0.15	0.15	0.17	12	0	0.15	0.2	0.1608333	0.0144338
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.0001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	12	11	<0.001	0.005	0.0009167	0.0012939
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			2.6	2.7	2.7	2.7	12	0	2.6	3	2.7666667	0.1154701
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		0.0005	0.0005	0.0006	0.0005	12	0	0.0005	0.0006	0.0005583	5.149E-05

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				696	696	696	696	Summary Statistics for Hydro ID 696					
Month Sampled				Nov-08	Dec-08	Jan-09	Feb-09						
Date and Time Collected				11/18/2008 9:00:00 AM	12/17/2008 3:45:00 PM	1/20/2009 5:00:00 PM	2/24/2009 5:15:00 PM						
Lab ID				R08110211 -003	R08120255 -011	R09010301 -014	R09020293 -014						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	<0.01	<0.01	<0.01	<0.01	12	10	<0.01	0.02	0.0066667	0.0044381
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		9.2	9.3	25.9	8.3	12	0	7.4	25.9	13.258333	6.3488665
Gross Beta, Dissolved	pCi/L			5.9	7.7	16.8	10.9	12	0	5.9	16.8	11.416667	3.1951194
Gross Gamma, Dissolved	pCi/L			0 j	850	1000	1600	12	0	0	1600	387.5	597.00959
Lead 210, Dissolved	pCi/L			-0.1 j	2.2 j	-0.9 j	1.3 j	12	0	-9.8	2.2	-0.966667	3.070189
Polonium 210, Dissolved	pCi/L			0 j	0 j	0.045 j	-0.031 j	12	0	-0.031	1.8	0.3761667	0.6086475
Radium 226, Dissolved	pCi/L	5		1.7	1.5	1.7	2.2	12	0	1.4	4.2	2.0166667	0.7444746
Thorium 230, Dissolved	pCi/L			0.1 j	0 j	0 j	0.05 j	12	0	0	0.2	0.0458333	0.0655686
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			-4 j	1.7 j	-1 j	-0.2 j	12	0	-7	4.8	-0.591667	2.9351966
Polonium 210, Suspended	pCi/L			-0.04 j	0.4 j	0.056 j	0.31 j	12	0	-0.1	0.9	0.158	0.2780072
Radium 226, Suspended	pCi/L	5		-0.4 j	-0.3 j	-0.2 j	-0.1 j	12	0	-0.4	1	-0.153333	0.3860601
Thorium 230, Suspended	pCi/L			0 j	0.1 j	-0.1 j	-0.09 j	12	0	-0.1	0.3	0.0258333	0.1044865
Radionuclides, Total													
Radon 222, Total	pCi/L			331	215	270	235	12	0	215	619	339	138.07574
Data Quality Parameters													
A/C Balance (± 5)	%			7.92	2.21	-2.05	1.67	12	0	-2.05	7.92	2.93	2.9931801
Anions	meq/l			14	14.9	15	15.2	12	0	14	15.6	14.991667	0.4776045
Cations	meq/l			16.4	15.6	14.4	15.7	12	0	14.4	16.5	15.891667	0.6388318
Solids, Total Dissolved Calculated	mg/L			962	981	956	994	12	0	956	1020	984.33333	19.013552
TDS Balance (0.80 - 1.20)	dec. %			1.01	0.98	1	0.98	12	0	0.96	1.06	0.995	0.0264575

* 1/2 RL used to calculate mean and standard devaiation where non-detect data occur

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				697	697	697	697	697	697	697	697
Month Sampled				Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08
Date and Time Collected				3/30/2008 4:36:00 PM	4/22/2008 4:02:00 PM	5/21/2008 4:44:00 PM	6/24/2008 6:20:00 PM	7/14/2008 3:52:00 PM	8/20/2008 5:10:00 PM	9/23/2008 11:45:00 AM	10/21/2008 9:45:00 AM
Lab ID				R08030315 -006	R08040287 -005	R08050321 -005	R08060427 -005	R08070244 -006	R08080332 -008	R08090356 -004	R08100295 -011
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result	Result
Field Parameters											
Field Conductivity	umhos/cm			1131	1258	1239	1267	1286	1164	1300	1310
Field Dissolved Oxygen	mg/L			0.2	0.15	0.29	0.16	NM	0.29	NM	NM
Field pH	s.u.		6.5-8.5	7.8	7.8	7.77	7.56	7.72	7.44	7.76	7.75
Field Temperature	Deg C			13.78	13.91	13.9	13.87	14.43	13.91	14.6	13.9
Field Turbidity	NTUs			-0.2	3.2	0.1	3.9	4.9	3.9	NM	NM
Water Level Elevation	ft AMSL			3679.14	3679.85	3679.6	3680.8	3680.66	3680.59	3679.83	3679.6
Physical Properties											
Conductivity @ 25 C	umhos/cm			1250	1230	1380	1230	1290	1330	951	1280
Oxidation-Reduction Potential	mV			200	320	200	140	160	210	160	210
pH, Laboratory	s.u.		6.5-8.5	7.83	8.07	7.9	8.25	7.93	8.03	7.83	8.15
Sodium Adsorption Ratio (SAR)	unitless			6.2	6.6	6.5	6.6	6.9	6.7	6.4	6.4
Solids, Total Dissolved TDS @ 180 C	mg/L		500	800	810	790	810	830	840	810	1000
Major Ions											
Alkalinity, Total as CaCO3	mg/L			166	166	168	168	166	172	168	166
Bicarbonate as HCO3	mg/L			202	202	205	205	202	210	205	202
Calcium, Dissolved	mg/L			49.2	50.6	52.8	53.4	48.7	53.5	53.1	52.9
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	<5	<5	<5
Chloride	mg/L		250	10	8	8	8	8	8	8	8
Fluoride	mg/L	4	2	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.5
Magnesium, Dissolved	mg/L			16.9	17.3	18	17.7	17.5	17.5	17.5	17.3
Nitrogen, Ammonia as N	mg/L			0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.2
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.05	<0.1	0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			8.1	8.5	8.5	8.8	11.8	8.6	8.2	8.4
Silica	mg/L			7.4	4	4.6	4.6	2	4.1	8.6	9.3
Sodium, Dissolved	mg/L			197	215 d	216 d	218 d	221	219 d	210	210 d
Sulfate, Total	mg/L		250	452 d	430	456 d	409	470 d	452 d	435 d	560 d
Metals, Dissolved											
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.001	0.001	0.002	0.002	0.002	<0.001	0.001	0.001
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.05	0.05	0.06	0.06	0.05	0.06	0.05	0.06
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated											
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Metals, Suspended											
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0003	0.0007	<0.0003	<0.0003	<0.0003	<0.0003	0.0006
Metals, Total											
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		<0.003	0.002	0.002	0.003 d	0.004	<0.001	0.001	0.002
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	0.2	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.003	<0.001	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.06	0.05	0.04	0.08	0.06	0.07	0.05	0.06
Lead, Total	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.05	0.06
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		0.001	<0.001	<0.001	0.005 d	0.003 d	<0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			1.1	1.3	1.2	1.2	1.1	1.2	1.1	1.1
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	0.0003	<0.0003	<0.0003	<0.0003

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				697	697	697	697	697	697	697	697
Month Sampled				Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08
Date and Time Collected				3/30/2008 4:36:00 PM	4/22/2008 4:02:00 PM	5/21/2008 4:44:00 PM	6/24/2008 6:20:00 PM	7/14/2008 3:52:00 PM	8/20/2008 5:10:00 PM	9/23/2008 11:45:00 AM	10/21/2008 9:45:00 AM
Lab ID				R08030315 -006	R08040287 -005	R08050321 -005	R08060427 -005	R08070244 -006	R08080332 -008	R08090356 -004	R08100295 -011
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result	Result
Zinc, Total	mg/L		5	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Radionuclides, Dissolved											
Gross Alpha, Dissolved	pCi/L	15		6.1	8.4	4.1	11.9	6.9	5.3	6.3	7.3
Gross Beta, Dissolved	pCi/L			6.8	8.4	5.4	8.1	4.6	8.6	5.7	3.6 j
Gross Gamma, Dissolved	pCi/L			0 j	0 j	0 j	0 j	0 j	850	0 j	1700
Lead 210, Dissolved	pCi/L			-23 j	-0.7 j	-4.3 j	0.5 j	-2 j	-2 j	-2 j	-2 j
Polonium 210, Dissolved	pCi/L			1.1	0 j	0 j	-0.1 j	-0.4 j	0.4 j	-0.5 j	0.1 j
Radium 226, Dissolved	pCi/L	5		1.5	1.7	1.1	0.8	0.9	1.2	1	0.6
Thorium 230, Dissolved	pCi/L			0.4	0 j	0 j	0 j	0 j	0.1 j	0 j	0 j
Radionuclides, Suspended											
Lead 210, Suspended	pCi/L			-2.8 j	0 j	0 j	2.9 j	3.6 j	-10 j	-1 j	-2 j
Polonium 210, Suspended	pCi/L			0.9 j	0 j	1.2	0 j	0.4 j	-0.2 j	0.027 j	0.1 j
Radium 226, Suspended	pCi/L	5		0.6	-0.1 j	3.8	-0.4 j	-0.1 j	-0.4 j	0.2 j	0.05 j
Thorium 230, Suspended	pCi/L			0.1 j	0.1 j	0.3	0.2	0 j	0 j	-0.1 j	-0.1 j
Radionuclides, Total											
Radon 222, Total	pCi/L			323	284	570	413	295	367	313	319
Data Quality Parameters											
A/C Balance (± 5)	%			-1.53	3.91	2.35	6.52	1.61	2.84	2.88	-6.31
Anions	meq/l			13	12.5	13.1	12.1	13.4	13.1	12.7	15.2
Cations	meq/l			12.6	13.5	13.7	13.8	13.8	13.9	13.4	13.4
Solids, Total Dissolved Calculated	mg/L			853	840	873	829	884	874	857	983
TDS Balance (0.80 - 1.20)	dec. %			0.93	0.97	0.91	0.97	0.94	0.96	0.95	1.03

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				697	697	697	697	Summary Statistics for Hydro ID 697					
Month Sampled				Nov-08	Dec-08	Jan-09	Feb-09						
Date and Time Collected				11/18/2008 1:35:00 PM	12/17/2008 2:45:00 PM	1/20/2009 12:35:00 PM	2/24/2009 4:45:00 PM						
Lab ID				R08110211 -010	R08120255 -009	R09010301 -006	R09020293 -012						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			1280	1340	1300	1280	12	0	1131	1340	1262.9167	60.17015
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	5	0	0.15	0.29	0.218	0.0683374
Field pH	s.u.		6.5-8.5	7.74	7.97	7.81	8	12	0	7.44	8	7.76	0.1513575
Field Temperature	Deg C			15.5	12.4	13.3	13.5	12	0	12.4	15.5	13.916667	0.7454752
Field Turbidity	NTUs			NM	NM	NM	NM	6	0	-0.2	4.9	2.6333333	2.1500388
Water Level Elevation	ft AMSL			3679.6	3678.67	3707.28	3679.83	12	0	3678.67	3707.28	3682.1208	7.9470732
Physical Properties													
Conductivity @ 25 C	umhos/cm			1180	1190	1220	1210	12	0	951	1380	1228.4167	105.05882
Oxidation-Reduction Potential	mV			280	250	270	140	12	0	140	320	211.66667	58.127342
pH, Laboratory	s.u.		6.5-8.5	8.24	7.98	7.73	7.9	12	0	7.73	8.25	7.9866667	0.1657673
Sodium Adsorption Ratio (SAR)	unitless			6.6	6.4	6.5	6.2	12	0	6.2	6.9	6.5	0.2
Solids, Total Dissolved TDS @ 180 C	mg/L		500	820	810	820	820	12	0	790	1000	830	55.103209
Major Ions													
Alkalinity, Total as CaCO3	mg/L			164	166	168	166	12	0	164	172	167	2
Bicarbonate as HCO3	mg/L			200	202	205	202	12	0	200	210	203.5	2.6457513
Calcium, Dissolved	mg/L			54.5	53.4	49.7	52 d	12	0	48.7	54.5	51.983333	1.9319483
Carbonate as CO3	mg/L			<5	<5	<5	<5	12	12	<5	<5	<5	<5
Chloride	mg/L		250	9	8	8	8	12	0	8	10	8.25	0.6215816
Fluoride	mg/L	4	2	0.5	0.5	0.7	0.6	12	0	0.5	0.7	0.55	0.06742
Magnesium, Dissolved	mg/L			17.7	17.4	16.4	16.8	12	0	16.4	18	17.333333	0.4417596
Nitrogen, Ammonia as N	mg/L			0.2	0.2	0.2	0.2	12	0	0.1	0.2	0.1666667	0.0492366
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	12	11	<0.05	0.1	0.0520833	0.0167139
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	12	12	<0.05	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			8.5	8.4	8.6	9.2	12	0	8.1	11.8	8.8	0.9853472
Silica	mg/L			9.3	9.5	7.9	8	12	0	2	9.5	6.6083333	2.5840273
Sodium, Dissolved	mg/L			219 d	210 d	206	201	12	0	197	221	211.83333	7.5898657
Sulfate, Total	mg/L		250	430 d	442 d	444 d	436 d	12	0	409	560	451.33333	37.567717
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.001	<0.001	0.001	<0.001	12	3	<0.001	0.002	0.001125	0.0005691
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	0.04	<0.03	<0.03	<0.03	12	3	<0.03	0.04	0.0329167	0.0111719
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.05	0.06	0.05	0.05	12	0	0.05	0.06	0.0541667	0.0051493
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	12	12	<0.0003	<0.0003	<0.0003	<0.0003
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	0.01	<0.01	<0.01	12	11	<0.01	0.01	0.0054167	0.0014434
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0009	<0.0003	<0.0003	12	10	<0.0003	0.0007	0.0002583	0.0002032
Metals, Total													
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	12	12	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.001	0.001	0.001	0.001	12	2	<0.001	0.004	0.0016667	0.0010075
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	12	11	<0.1	0.2	0.0625	0.0433013
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.003	<0.003	<0.003
Boron, Total	mg/L			<0.1	<0.1	<0.1	<0.2	12	12	<0.1	<0.2	<0.2	<0.2
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.04	0.34	<0.04	0.09	12	1	<0.04	0.34	0.08	0.0839913
Lead, Total	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	0.05	0.05	0.05	0.05	12	0	0.05	0.06	0.055	0.0052223
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.0001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	12	9	<0.001	0.005	0.001125	0.0014162
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			1.1	1.1	1.2	1.1	12	0	1.1	1.3	1.15	0.06742
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	12	11	<0.0003	0.0003	0.0001625	4.33E-05

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				697	697	697	697	Summary Statistics for Hydro ID 697					
Month Sampled				Nov-08	Dec-08	Jan-09	Feb-09						
Date and Time Collected				11/18/2008 1:35:00 PM	12/17/2008 2:45:00 PM	1/20/2009 12:35:00 PM	2/24/2009 4:45:00 PM						
Lab ID				R08110211 -010	R08120255 -009	R09010301 -006	R09020293 -012						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	<0.01	0.02	<0.01	0.03	12	9	<0.01	0.03	0.00875	0.0080128
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		12.7	7.7	21.7	18.2	12	0	4.1	21.7	9.7166667	5.4323665
Gross Beta, Dissolved	pCi/L			11.4	7.1	12.5	11	12	0	3.6	12.5	7.7666667	2.7945835
Gross Gamma, Dissolved	pCi/L			1100	820	0 j	1100	12	0	0	1700	464.16667	611.96343
Lead 210, Dissolved	pCi/L			-0.8 j	1.6 j	0.6 j	1 j	12	0	-23	1.6	-2.758333	6.5884828
Polonium 210, Dissolved	pCi/L			0 j	0.2 j	-0.027 j	0.034 j	12	0	-0.5	1.1	0.06725	0.4031258
Radium 226, Dissolved	pCi/L	5		1.7	1.2	0.9	5.6	12	0	0.6	5.6	1.5166667	1.3313242
Thorium 230, Dissolved	pCi/L			0 j	0.1 j	0 j	-0.03 j	12	0	-0.03	0.4	0.0475	0.1182543
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			-0.6 j	2.8 j	2.9 j	-2 j	12	0	-10	3.6	-0.516667	3.7125912
Polonium 210, Suspended	pCi/L			-0.0042 j	0.2 j	-0.0097 j	-0.019 j	12	0	-0.2	1.2	0.216175	0.4200024
Radium 226, Suspended	pCi/L	5		-0.4 j	-0.07 j	-0.2 j	-0.2 j	12	0	-0.4	3.8	0.2316667	1.1592853
Thorium 230, Suspended	pCi/L			0.1 j	-0.2 j	-0.2 j	0.05 j	12	0	-0.2	0.3	0.0208333	0.1529384
Radionuclides, Total													
Radon 222, Total	pCi/L			412	200	299	236	12	0	200	570	335.91667	96.605532
Data Quality Parameters													
A/C Balance (± 5)	%			5.48	2.6	0.64	1.29	12	0	-6.31	6.52	1.8566667	3.3293142
Anions	meq/l			12.5	12.8	12.9	12.6	12	0	12.1	15.2	12.991667	0.7763063
Cations	meq/l			14	13.5	13	13	12	0	12.6	14	13.466667	0.4206777
Solids, Total Dissolved Calculated	mg/L			863	866	856	845	12	0	829	983	868.58333	39.18594
TDS Balance (0.80 - 1.20)	dec. %			0.95	0.93	0.96	0.98	12	0	0.91	1.03	0.9566667	0.0305505

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				698	698	698	698	698	698	698	698
Month Sampled				Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08
Date and Time Collected				3/30/2008 2:04:00 PM	4/22/2008 11:30:00 AM	5/28/2008 12:35:00 PM	6/24/2008 11:55:00 AM	7/14/2008 6:43:00 PM	8/19/2008 5:35:00 PM	9/22/2008 1:05:00 PM	10/20/2008 1:52:00 PM
Lab ID				R08030315 -002	R08040287 -004	R08050406 -001	R08060427 -001	R08070244 -010	R08080301 -003	R08090314 -003	R08100295 -004
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result	Result
Field Parameters											
Field Conductivity	umhos/cm			2024	2492	2426	2475	2519	2327	2303	2400
Field Dissolved Oxygen	mg/L			0.27	0.25	0.19	0.09	0.18	NM	0.48	NM
Field pH	s.u.		6.5-8.5	6.83	6.87	6.76	6.49	6.66	6.62	NM	6.71
Field Temperature	Deg C			11.38	11.61	11.52	11.73	11.69	11.91	11.56	12.4
Field Turbidity	NTUs			7.3	7.5	16.1	19	23.2	9.1	9.8	NM
Water Level Elevation	ft AMSL			3680.02	3679.98	3679.68	3679.88	3679.87	3679.89	3679.94	3679.73
Physical Properties											
Conductivity @ 25 C	umhos/cm			2390	2420	2280	2530	2530	2840	2300	2480
Oxidation-Reduction Potential	mV			280	110	200	94	47	44	-38.3	64
pH, Laboratory	s.u.		6.5-8.5	6.91	7.15	6.78	7.09	7.72	7.27	7.02	7.34
Sodium Adsorption Ratio (SAR)	unitless			1	1	0.98	0.98	0.95	0.99	0.94	0.96
Solids, Total Dissolved TDS @ 180 C	mg/L		500	2200	2300	2200	2100	2300	2300	2200	2300
Major Ions											
Alkalinity, Total as CaCO3	mg/L			124	120	114	114	122	122	122	114
Bicarbonate as HCO3	mg/L			151	146	139	139	149	149	149	139
Calcium, Dissolved	mg/L			338	366	382	393	356	385	370	366
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	<5	<5	<5
Chloride	mg/L		250	12	9	9	9	10	10	9	10
Fluoride	mg/L	4	2	0.2	0.3	0.5	0.3	0.4	0.4	0.4	0.2
Magnesium, Dissolved	mg/L			125	129	137	141	139	139	133	128
Nitrogen, Ammonia as N	mg/L			0.1	0.2	0.2	0.1	0.2	0.1	0.1	0.2
Nitrogen, Nitrate as N	mg/L	10		<0.1	0.09	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			14.6	15.6	15.5	15.9	22.2	16	14.4	15.1
Silica	mg/L			9.5	4.8	5.2	5.5	2.6	5	11.5	10.5
Sodium, Dissolved	mg/L			84.6	89 d	88 d	89 d	84 d	89 d	83	84 d
Sulfate, Total	mg/L		250	1300 d	1450	1270 d	1470	1530 d	1290 d	1470 d	1380 d
Metals, Dissolved											
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	0.2	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	1.56	2.49	1.69	1.6	3.38	4.36	3.87	2.67
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	2.18	2.39	2.31	2.56	2.44	2.55	2.41	2.37
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.109	0.11	0.101	0.104	0.119	0.113	0.103	0.103
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	0.01	<0.01	<0.01	0.01	<0.01	0.01	<0.01	<0.01
Metals, Dissolved, Speciated											
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Metals, Suspended											
Uranium, Suspended	mg/L	0.03		0.0024	0.0006	0.0038	0.0043	0.0055	0.0023	0.0006	0.0036
Metals, Total											
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.004 d	<0.001	0.002	0.005 d	0.002 d	<0.004	<0.001	0.006 l
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	<0.001	<0.003	<0.002	<0.001
Boron, Total	mg/L			<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	4.06	4.53	4.6	5.48	5.66	4.78	5.15	4.86
Lead, Total	mg/L			<0.001	<0.001	<0.001	0.001	0.001 b	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	2.31	2.5	2.32	2.66	2.53	2.54	2.57	2.47
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		0.002	<0.001	<0.001	<0.002	0.005 d	<0.003	<0.005	<0.001
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.02	<0.005	<0.005
Strontium, Total	mg/L			4.9	5.2	4.8	5.2	4.7	4.6	4.9	4.9
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		0.123	0.119	0.116	0.113	0.116	0.101 d	0.102	0.132

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				698	698	698	698	698	698	698	698
Month Sampled				Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08
Date and Time Collected				3/30/2008 2:04:00 PM	4/22/2008 11:30:00 AM	5/28/2008 12:35:00 PM	6/24/2008 11:55:00 AM	7/14/2008 6:43:00 PM	8/19/2008 5:35:00 PM	9/22/2008 1:05:00 PM	10/20/2008 1:52:00 PM
Lab ID				R08030315 -002	R08040287 -004	R08050406 -001	R08060427 -001	R08070244 -010	R08080301 -003	R08090314 -003	R08100295 -004
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result	Result
Zinc, Total	mg/L		5	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01
Radionuclides, Dissolved											
Gross Alpha, Dissolved	pCi/L	15		1750	2110	1210	1790	1790	1560	36.3	1330
Gross Beta, Dissolved	pCi/L			657	604	380	470	599	488	19.8	399
Gross Gamma, Dissolved	pCi/L			790	680	4100	170	1500	1300	240	1700
Lead 210, Dissolved	pCi/L			-14 j	-3.5 j	5.5 j	-1.7 j	-0.4 j	3.1 j	2.2 j	6.8
Polonium 210, Dissolved	pCi/L			1	1.4	0.2 j	1.1	1.6	0.4 j	0 j	0.3 j
Radium 226, Dissolved	pCi/L	5		387	370	413	429	423	372	410	347
Thorium 230, Dissolved	pCi/L			0 j	0 j	0 j	0 j	0.1 j	0 j	<0.2	0 j
Radionuclides, Suspended											
Lead 210, Suspended	pCi/L			0 j	0 j	2.6 j	7.4 j	-0.7 j	1.1 j	0.5 j	4.7 j
Polonium 210, Suspended	pCi/L			1.2	-0.2 j	1.4	1.2	1.5	0.5 j	0.059 j	1
Radium 226, Suspended	pCi/L	5		15.3	6.4	14	11.6	6.3	1.7	0.2 j	7.4
Thorium 230, Suspended	pCi/L			0.4	0.2	0.7	0.7	0.9	0.5	0 j	0.2 j
Radionuclides, Total											
Radon 222, Total	pCi/L			32200	25800	25600	40700	27900	38200	29500	38200
Data Quality Parameters											
A/C Balance (± 5)	%			2.58	0.92	9.13	3.88	-1.21	8.93	0.65	2.91
Anions	meq/l			29.9	32.8	28.9	33.1	34.6	29.5	33.2	31.2
Cations	meq/l			31.4	33.4	34.8	35.8	33.7	35.3	33.7	33.1
Solids, Total Dissolved Calculated	mg/L			1970	2140	1980	2200	2220	2010	2180	2080
TDS Balance (0.80 - 1.20)	dec. %			1.13	1.05	1.09	0.97	1.03	1.13	1.02	1.1

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				698	698	698	698	Summary Statistics for Hydro ID 698					
Month Sampled				Nov-08	Dec-08	Jan-09	Feb-09						
Date and Time Collected				11/18/2008 12:00:00 PM	12/17/2008 1:00:00 PM	1/20/2009 2:07:00 PM	2/24/2009 12:10:00 PM						
Lab ID				R08110211 -008	R08120255 -005	R09010301 -009	R09020293 -004						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			2500	2800	2500	2400	12	0	2024	2800	2430.5	179.36175
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	6	0	0.09	0.48	0.2433333	0.1320101
Field pH	s.u.		6.5-8.5	6.76	6.78	6.77	6.83	11	0	6.49	6.87	6.7345455	0.1096689
Field Temperature	Deg C			12.1	10.9	11.8	11.9	12	0	10.9	12.4	11.708333	0.3749869
Field Turbidity	NTUs			NM	NM	NM	NM	7	0	7.3	23.2	13.142857	6.2941394
Water Level Elevation	ft AMSL			3679.75	3679.88	3679.66	3679.8	12	0	3679.66	3680.02	3679.84	0.1161504
Physical Properties													
Conductivity @ 25 C	umhos/cm			2300	2290	2410	2360	12	0	2280	2840	2427.5	157.66045
Oxidation-Reduction Potential	mV			300	160	300	110	12	0	-38.3	300	139.225	110.4292
pH, Laboratory	s.u.		6.5-8.5	7.42	6.92	6.74	6.82	12	0	6.74	7.72	7.0983333	0.295599
Sodium Adsorption Ratio (SAR)	unitless			0.95	0.95	1.1	0.99	12	0	0.94	1.1	0.9825	0.0426668
Solids, Total Dissolved TDS @ 180 C	mg/L		500	2200	2200	1700	2200	12	0	1700	2300	2183.3333	164.22453
Major Ions													
Alkalinity, Total as CaCO3	mg/L			112	114	118	110	12	0	110	124	117.16667	4.7065396
Bicarbonate as HCO3	mg/L			137	139	144	134	12	0	134	151	142.91667	5.7439032
Calcium, Dissolved	mg/L			388	374	341	357 d	12	0	338	393	368	17.714914
Carbonate as CO3	mg/L			<5	<5	<5	<5	12	12	<5	<5	<5	<5
Chloride	mg/L		250	10	10	10	9	12	0	9	12	9.75	0.8660254
Fluoride	mg/L	4	2	0.2	0.2	0.4	0.4	12	0	0.2	0.5	0.325	0.105529
Magnesium, Dissolved	mg/L			141	135	127	131	12	0	125	141	133.75	5.7068539
Nitrogen, Ammonia as N	mg/L			0.2	0.2	0.1	0.2	12	0	0.1	0.2	0.1583333	0.0514929
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	12	11	<0.1	0.09	0.0533333	0.011547
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	12	12	<0.05	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			15.5	15.5	16	15.5	12	0	14.4	22.2	15.983333	2.0211758
Silica	mg/L			11.1	11.3	10.2	10.2	12	0	2.6	11.5	8.1166667	3.2087475
Sodium, Dissolved	mg/L			86 d	84 d	92.1	86.5	12	0	83	92.1	86.6	2.8139264
Sulfate, Total	mg/L		250	1360 d	1340 d	1340 d	1240 d	12	0	1240	1530	1370	91.55227
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			0.1	<0.1	<0.1	<0.1	12	10	<0.1	0.2	0.0666667	0.0443813
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	2.54	2.99	1.74	2.03	12	0	1.56	4.36	2.5766667	0.9273259
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	2.25	2.58	2.39	2.45	12	0	2.18	2.58	2.4066667	0.122202
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	12	11	<0.001	0.001	0.0005417	0.0001443
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.106	0.0998	0.1	0.108	12	0	0.0998	0.119	0.1063167	0.005778
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	12	9	<0.01	0.01	0.00625	0.0022613
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	11	<0.001	0.001	0.0005417	0.0001443
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		0.0042	0.0028 d	0.0021	0.005	12	0	0.0006	0.0055	0.0031	0.0015806
Metals, Total													
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	12	12	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		<0.001	0.004 l	<0.002	0.003 l	12	5	<0.001	0.006	0.0025417	0.0018642
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.003	<0.003	<0.003
Boron, Total	mg/L			<0.1	<0.1	<0.1	<0.2	12	11	<0.1	0.1	0.0583333	0.0194625
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	4.42	4.66	4.6	4.37	12	0	4.06	5.66	4.7641667	0.463435
Lead, Total	mg/L			<0.001	<0.001	<0.001	<0.001	12	10	<0.001	0.001	0.0005833	0.0001946
Manganese, Total	mg/L		0.05	2.31	2.54	2.37	2.7 d	12	0	2.31	2.7	2.485	0.1329046
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.0001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.002	<0.002	0.001	12	9	<0.001	0.005	0.0014167	0.0012939
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.02	<0.02	<0.02
Strontium, Total	mg/L			4.4	4.9	4.8	4.7	12	0	4.4	5.2	4.8333333	0.2269695
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		0.103	0.112	0.108	0.113	12	0	0.101	0.132	0.1131667	0.0090738

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				698	698	698	698	Summary Statistics for Hydro ID 698					
Month Sampled				Nov-08	Dec-08	Jan-09	Feb-09						
Date and Time Collected				11/18/2008 12:00:00 PM	12/17/2008 1:00:00 PM	1/20/2009 2:07:00 PM	2/24/2009 12:10:00 PM						
Lab ID				R08110211 -008	R08120255 -005	R09010301 -009	R09020293 -004						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	<0.01	<0.01	<0.01	<0.01	12	11	<0.01	0.01	0.0054167	0.0014434
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		1680	1570	1960	1270	12	0	36.3	2110	1504.6917	536.26262
Gross Beta, Dissolved	pCi/L			619	664	547	357	12	0	19.8	664	483.65	181.41118
Gross Gamma, Dissolved	pCi/L			1700	620	1400	420	12	0	170	4100	1218.3333	1062.2346
Lead 210, Dissolved	pCi/L			1.4 j	4.7	0.1 j	1.5 j	12	0	-14	6.8	0.475	5.4426138
Polonium 210, Dissolved	pCi/L			0.3 j	0.3 j	0.42 j	0.4 j	12	0	0	1.6	0.6183333	0.5177194
Radium 226, Dissolved	pCi/L	5		403	363	386	355	12	0	347	429	388.16667	27.335735
Thorium 230, Dissolved	pCi/L			0.1 j	0.1 j	0.1 j	0.03 j	12	1	<0.2	0.1	0.0441667	0.0499924
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			4.4 j	3.2 j	0.9 j	4.5 j	12	0	-0.7	7.4	2.3833333	2.487362
Polonium 210, Suspended	pCi/L			1.6	1	2	0.78	12	0	-0.2	2	1.00325	0.6377342
Radium 226, Suspended	pCi/L	5		9	4.7	7.3	11	12	0	0.2	15.3	7.9083333	4.5713452
Thorium 230, Suspended	pCi/L			0.2 j	0.2 j	1.9	1	12	0	0	1.9	0.575	0.5224505
Radionuclides, Total													
Radon 222, Total	pCi/L			37400	37600	32100	38400	12	0	25600	40700	33633.333	5431.7808
Data Quality Parameters													
A/C Balance (± 5)	%			6.79	5.82	2.51	7.55	12	0	-1.21	9.13	4.205	3.3993114
Anions	meq/l			30.9	30.4	30.6	28.4	12	0	28.4	34.6	31.125	1.9179179
Cations	meq/l			35.4	34.2	32.2	33	12	0	31.4	35.8	33.833333	1.3343935
Solids, Total Dissolved Calculated	mg/L			2100	2060	2030	1940	12	0	1940	2220	2075.8333	94.046249
TDS Balance (0.80 - 1.20)	dec. %			1.05	1.07	0.82	1.15	12	0	0.82	1.15	1.0508333	0.0893876

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				703	Summary Statistics for Hydro ID 703					
Month Sampled				Jan-09						
Date and Time Collected				1/20/2009 3:05:00 PM						
Lab ID				R09010302 -001						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters										
Field Conductivity	umhos/cm			2500	1	0	2500	2500	2500	---
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	11.13	1	0	11.13	11.13	11.13	---
Field Temperature	Deg C			11.9	1	0	11.9	11.9	11.9	---
Field Turbidity	NTUs			NM	NM	NM	NM	NM	NM	NM
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM
Physical Properties										
Conductivity @ 25 C	umhos/cm			2420	1	0	2420	2420	2420	---
Oxidation-Reduction Potential	mV			88	1	0	88	88	88	---
pH, Laboratory	s.u.		6.5-8.5	11.4	1	0	11.4	11.4	11.4	---
Sodium Adsorption Ratio (SAR)	unitless			12	1	0	12	12	12	---
Solids, Total Dissolved TDS @ 180 C	mg/L		500	1400	1	0	1400	1400	1400	---
Major Ions										
Alkalinity, Total as CaCO3	mg/L			148	1	0	148	148	148	---
Bicarbonate as HCO3	mg/L			180	1	0	180	180	180	---
Calcium, Dissolved	mg/L			72.6	1	0	72.6	72.6	72.6	---
Carbonate as CO3	mg/L			<5	1	1	<5	<5	<5	---
Chloride	mg/L		250	16	1	0	16	16	16	---
Fluoride	mg/L	4	2	0.3	1	0	0.3	0.3	0.3	---
Magnesium, Dissolved	mg/L			<0.5	1	1	<0.5	<0.5	<0.5	---
Nitrogen, Ammonia as N	mg/L			1.6	1	0	1.6	1.6	1.6	---
Nitrogen, Nitrate as N	mg/L	10		<0.1	1	1	<0.1	<0.1	<0.1	---
Nitrogen, Nitrite as N	mg/L	1		<0.1	1	1	<0.1	<0.1	<0.1	---
Potassium, Dissolved	mg/L			9.3	1	0	9.3	9.3	9.3	---
Silica	mg/L			4.2	1	0	4.2	4.2	4.2	---
Sodium, Dissolved	mg/L			370	1	0	370	370	370	---
Sulfate, Total	mg/L		250	828 d	1	0	828	828	828	---
Metals, Dissolved										
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	1	1	<0.1	<0.1	<0.1	---
Arsenic, Dissolved	mg/L	0.01		<0.001	1	1	<0.001	<0.001	<0.001	---
Barium, Dissolved	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Boron, Dissolved	mg/L			0.3	1	0	0.3	0.3	0.3	---
Cadmium, Dissolved	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Dissolved	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Dissolved	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Dissolved	mg/L		0.3	0.05	1	0	0.05	0.05	0.05	---
Lead, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Manganese, Dissolved	mg/L		0.05	<0.01	1	1	<0.01	<0.01	<0.01	---
Mercury, Dissolved	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Molybdenum, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Dissolved	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Dissolved	mg/L	0.05		<0.001	1	1	<0.001	<0.001	<0.001	---
Silver, Dissolved	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Thorium 232, Dissolved	mg/L			<0.005	1	1	<0.005	<0.005	<0.005	---
Uranium, Dissolved	mg/L	0.03		0.0003	1	0	0.0003	0.0003	0.0003	---
Vanadium, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Zinc, Dissolved	mg/L		5	0.03	1	0	0.03	0.03	0.03	---
Metals, Dissolved, Speciated										
Selenium-IV, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Selenium-VI, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Metals, Suspended										
Uranium, Suspended	mg/L	0.03		<0.0003	1	1	<0.0003	<0.0003	<0.0003	---
Metals, Total										
Antimony, Total	mg/L	0.006		<0.003	1	1	<0.003	<0.003	<0.003	---
Arsenic, Total	mg/L	0.01		<0.001	1	1	<0.001	<0.001	<0.001	---
Barium, Total	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Beryllium, Total	mg/L	0.004		<0.001	1	1	<0.001	<0.001	<0.001	---
Boron, Total	mg/L			0.4	1	0	0.4	0.4	0.4	---
Cadmium, Total	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Total	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Total	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Total	mg/L		0.3	0.68 d	1	0	0.68	0.68	0.68	---
Lead, Total	mg/L			0.007	1	0	0.007	0.007	0.007	---
Manganese, Total	mg/L		0.05	<0.01	1	1	<0.01	<0.01	<0.01	---
Mercury, Total	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Molybdenum, Total	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Total	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Total	mg/L	0.05		<0.001	1	1	<0.001	<0.001	<0.001	---
Silver, Total	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Strontium, Total	mg/L			2.2	1	0	2.2	2.2	2.2	---
Thallium, Total	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Uranium, Total	mg/L	0.03		<0.0003	1	1	<0.0003	<0.0003	<0.0003	---

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				703	Summary Statistics for Hydro ID 703					
Month Sampled				Jan-09						
Date and Time Collected				1/20/2009 3:05:00 PM						
Lab ID				R09010302-001						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Radionuclides, Dissolved										
Gross Alpha, Dissolved	pCi/L	15		42.6	1	0	42.6	42.6	42.6	---
Gross Beta, Dissolved	pCi/L			14.2	1	0	14.2	14.2	14.2	---
Gross Gamma, Dissolved	pCi/L			1100	1	0	1100	1100	1100	---
Lead 210, Dissolved	pCi/L			1 j	1	0	1	1	1	---
Polonium 210, Dissolved	pCi/L			-0.015 j	1	0	-0.015	-0.015	-0.015	---
Radium 226, Dissolved	pCi/L	5		0.4	1	0	0.4	0.4	0.4	---
Thorium 230, Dissolved	pCi/L			0.1 j	1	0	0.1	0.1	0.1	---
Radionuclides, Suspended										
Lead 210, Suspended	pCi/L			1.1 j	1	0	1.1	1.1	1.1	---
Polonium 210, Suspended	pCi/L			0.047 j	1	0	0.047	0.047	0.047	---
Radium 226, Suspended	pCi/L	5		-0.4 j	1	0	-0.4	-0.4	-0.4	---
Thorium 230, Suspended	pCi/L			-0.2 j	1	0	-0.2	-0.2	-0.2	---
Radionuclides, Total										
Radon 222, Total	pCi/L			153	1	0	153	153	153	---
Data Quality Parameters										
A/C Balance (± 5)	%			-1.35	1	0	-1.35	-1.35	-1.35	---
Anions	meq/l			20.7	1	0	20.7	20.7	20.7	---
Cations	meq/l			20.1	1	0	20.1	20.1	20.1	---
Solids, Total Dissolved Calculated	mg/L			1400	1	0	1400	1400	1400	---
TDS Balance (0.80 - 1.20)	dec. %			1.01	1	0	1.01	1.01	1.01	---

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				704	Summary Statistics for Hydro ID 704 Unkpapa					
Screened Interval				Unkpapa						
Date and Time Collected				9/23/2008 12:30:00 PM						
Lab ID				R08090356 -003						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (Non-detects)	Minimum	Maximum	Mean*	StDev*
Field Parameters										
Field Conductivity	umhos/cm			2100	1	0	2100	2100	2100	---
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	9.37	1	0	9.37	9.37	9.37	---
Field Temperature	Deg C			20.1	1	0	20.1	20.1	20.1	---
Field Turbidity	NTUs			NM	NM	NM	NM	NM	NM	NM
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM
Physical Properties										
Conductivity @ 25 C	umhos/cm			1570	1	0	1570	1570	1570	---
Oxidation-Reduction Potential	mV			160	1	0	160	160	160	---
pH, Laboratory	s.u.		6.5-8.5	9.46	1	0	9.46	9.46	9.46	---
Sodium Adsorption Ratio (SAR)	unitless			17	1	0	17	17	17	---
Solids, Total Dissolved TDS @ 180 C	mg/L		500	1300	1	0	1300	1300	1300	---
Major Ions										
Alkalinity, Total as CaCO3	mg/L			74	1	0	74	74	74	---
Bicarbonate as HCO3	mg/L			66	1	0	66	66	66	---
Calcium, Dissolved	mg/L			23	1	0	23	23	23	---
Carbonate as CO3	mg/L			12	1	0	12	12	12	---
Chloride	mg/L		250	70 d	1	0	70	70	70	---
Fluoride	mg/L	4	2	0.8	1	0	0.8	0.8	0.8	---
Magnesium, Dissolved	mg/L			14.8	1	0	14.8	14.8	14.8	---
Nitrogen, Ammonia as N	mg/L			0.5	1	0	0.5	0.5	0.5	---
Nitrogen, Nitrate as N	mg/L	10		<0.1	1	1	<0.1	<0.1	<0.1	---
Nitrogen, Nitrite as N	mg/L	1		<0.1	1	1	<0.1	<0.1	<0.1	---
Potassium, Dissolved	mg/L			6.8	1	0	6.8	6.8	6.8	---
Silica	mg/L			<0.2	1	1	<0.2	<0.2	<0.2	---
Sodium, Dissolved	mg/L			437	1	0	437	437	437	---
Sulfate, Total	mg/L		250	872 d	1	0	872	872	872	---
Metals, Dissolved										
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	1	1	<0.1	<0.1	<0.1	---
Arsenic, Dissolved	mg/L	0.01		<0.001	1	1	<0.001	<0.001	<0.001	---
Barium, Dissolved	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Boron, Dissolved	mg/L			0.9	1	0	0.9	0.9	0.9	---
Cadmium, Dissolved	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Dissolved	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Dissolved	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Dissolved	mg/L		0.3	<0.03	1	1	<0.03	<0.03	<0.03	---
Lead, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Manganese, Dissolved	mg/L		0.05	<0.01	1	1	<0.01	<0.01	<0.01	---
Mercury, Dissolved	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Molybdenum, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Dissolved	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Dissolved	mg/L	0.05		<0.001	1	1	<0.001	<0.001	<0.001	---
Silver, Dissolved	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Thorium 232, Dissolved	mg/L			<0.005	1	1	<0.005	<0.005	<0.005	---
Uranium, Dissolved	mg/L	0.03		<0.0003	1	1	<0.0003	<0.0003	<0.0003	---
Vanadium, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Zinc, Dissolved	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Metals, Dissolved, Speciated										
Selenium-IV, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Selenium-VI, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Metals, Suspended										
Uranium, Suspended	mg/L	0.03		<0.0003	1	1	<0.0003	<0.0003	<0.0003	---
Metals, Total										
Antimony, Total	mg/L	0.006		<0.003	1	1	<0.003	<0.003	<0.003	---
Arsenic, Total	mg/L	0.01		<0.001	1	1	<0.001	<0.001	<0.001	---
Barium, Total	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Beryllium, Total	mg/L	0.004		<0.001	1	1	<0.001	<0.001	<0.001	---
Boron, Total	mg/L			0.9	1	0	0.9	0.9	0.9	---
Cadmium, Total	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Total	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Total	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Total	mg/L		0.3	0.87	1	0	0.87	0.87	0.87	---
Lead, Total	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Manganese, Total	mg/L		0.05	0.04	1	0	0.04	0.04	0.04	---
Mercury, Total	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Molybdenum, Total	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Total	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Total	mg/L	0.05		<0.001	1	1	<0.001	<0.001	<0.001	---
Silver, Total	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Strontium, Total	mg/L			2.5	1	0	2.5	2.5	2.5	---
Thallium, Total	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Uranium, Total	mg/L	0.03		<0.0003	1	1	<0.0003	<0.0003	<0.0003	---

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				704	Summary Statistics for Hydro ID 704 Unkpapa					
Screened Interval				Unkpapa						
Date and Time Collected				9/23/2008 12:30:00 PM						
Lab ID				R08090356 -003						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (Non-detects)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Radionuclides, Dissolved										
Gross Alpha, Dissolved	pCi/L	15		-3 j	1	0	-3	0	-3	---
Gross Beta, Dissolved	pCi/L			-5 j	1	0	-5	0	-5	---
Gross Gamma, Dissolved	pCi/L			830	1	0	830	830	830	---
Lead 210, Dissolved	pCi/L			1.1 j	1	0	1.1	1.1	1.1	---
Polonium 210, Dissolved	pCi/L			0.3 j	1	0	0.3	0.3	0.3	---
Radium 226, Dissolved	pCi/L	5		0.04 j	1	0	0.04	0.04	0.04	---
Thorium 230, Dissolved	pCi/L			0 j	1	0	0	0	0	---
Radionuclides, Suspended										
Lead 210, Suspended	pCi/L			-3 j	1	0	-3	0	-3	---
Polonium 210, Suspended	pCi/L			-0.015 j	1	0	-0.015	0	-0.015	---
Radium 226, Suspended	pCi/L	5		-0.2 j	1	0	-0.2	0	-0.2	---
Thorium 230, Suspended	pCi/L			0.3	1	0	0.3	0.3	0.3	---
Radionuclides, Total										
Radon 222, Total	pCi/L			188	1	0	188	188	188	---
Data Quality Parameters										
A/C Balance (± 5)	%			-0.14	1	0	-0.14	0	-0.14	---
Anions	meq/l			21.6	1	0	21.6	21.6	21.6	---
Cations	meq/l			21.6	1	0	21.6	21.6	21.6	---
Solids, Total Dissolved Calculated	mg/L			1470	1	0	1470	1470	1470	---
TDS Balance (0.80 - 1.20)	dec. %			0.9	1	0	0.9	0.9	0.9	---

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				704	Summary Statistics for Hydro ID 704 Chilson					
Screened Interval				Chilson						
Date and Time Collected				2/24/2009 9:40:00 AM						
Lab ID				R09020293 -002						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (Non-detects)	Minimum	Maximum	Mean*	StDev*
Field Parameters										
Field Conductivity	umhos/cm			1360	1	0	1360	1360	1360	---
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	8.02	1	0	8.02	8.02	8.02	---
Field Temperature	Deg C			13.2	1	0	13.2	13.2	13.2	---
Field Turbidity	NTUs			NM	NM	NM	NM	NM	NM	NM
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM
Physical Properties										
Conductivity @ 25 C	umhos/cm			1300	1	0	1300	1300	1300	---
Oxidation-Reduction Potential	mV			200	1	0	200	200	200	---
pH, Laboratory	s.u.		6.5-8.5	7.78	1	0	7.78	7.78	7.78	---
Sodium Adsorption Ratio (SAR)	unitless			6.1	1	0	6.1	6.1	6.1	---
Solids, Total Dissolved TDS @ 180 C	mg/L		500	890	1	0	890	890	890	---
Major Ions										
Alkalinity, Total as CaCO3	mg/L			168	1	0	168	168	168	---
Bicarbonate as HCO3	mg/L			205	1	0	205	205	205	---
Calcium, Dissolved	mg/L			55 d	1	0	55	55	55	---
Carbonate as CO3	mg/L			<5	1	1	<5	<5	<5	---
Chloride	mg/L		250	10	1	0	10	10	10	---
Fluoride	mg/L	4	2	0.5	1	0	0.5	0.5	0.5	---
Magnesium, Dissolved	mg/L			18.6	1	0	18.6	18.6	18.6	---
Nitrogen, Ammonia as N	mg/L			0.1	1	0	0.1	0.1	0.1	---
Nitrogen, Nitrate as N	mg/L	10		<0.1	1	1	<0.1	<0.1	<0.1	---
Nitrogen, Nitrite as N	mg/L	1		<0.1	1	1	<0.1	<0.1	<0.1	---
Potassium, Dissolved	mg/L			9.3	1	0	9.3	9.3	9.3	---
Silica	mg/L			7.1	1	0	7.1	7.1	7.1	---
Sodium, Dissolved	mg/L			205	1	0	205	205	205	---
Sulfate, Total	mg/L		250	487 d	1	0	487	487	487	---
Metals, Dissolved										
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	1	1	<0.1	<0.1	<0.1	---
Arsenic, Dissolved	mg/L	0.01		<0.001	1	1	<0.001	<0.001	<0.001	---
Barium, Dissolved	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Boron, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Cadmium, Dissolved	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Dissolved	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Dissolved	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Dissolved	mg/L		0.3	<0.03	1	1	<0.03	<0.03	<0.03	---
Lead, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Manganese, Dissolved	mg/L		0.05	0.08	1	1	0.08	0.08	0.08	---
Mercury, Dissolved	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Molybdenum, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Dissolved	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Dissolved	mg/L	0.05		<0.001	1	1	<0.001	<0.001	<0.001	---
Silver, Dissolved	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Thorium 232, Dissolved	mg/L			<0.005	1	1	<0.005	<0.005	<0.005	---
Uranium, Dissolved	mg/L	0.03		<0.0003	1	1	<0.0003	<0.0003	<0.0003	---
Vanadium, Dissolved	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Zinc, Dissolved	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Metals, Dissolved, Speciated										
Selenium-IV, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Selenium-VI, Dissolved	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Metals, Suspended										
Uranium, Suspended	mg/L	0.03		<0.0003	1	1	<0.0003	<0.0003	<0.0003	---
Metals, Total										
Antimony, Total	mg/L	0.006		<0.003	1	1	<0.003	<0.003	<0.003	---
Arsenic, Total	mg/L	0.01		0.001	1	1	0.001	0.001	0.001	---
Barium, Total	mg/L	2		<0.1	1	1	<0.1	<0.1	<0.1	---
Beryllium, Total	mg/L	0.004		<0.001	1	1	<0.001	<0.001	<0.001	---
Boron, Total	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Cadmium, Total	mg/L	0.005		<0.005	1	1	<0.005	<0.005	<0.005	---
Chromium, Total	mg/L	0.1		<0.05	1	1	<0.05	<0.05	<0.05	---
Copper, Total	mg/L		1	<0.01	1	1	<0.01	<0.01	<0.01	---
Iron, Total	mg/L		0.3	1.55	1	0	1.55	1.55	1.55	---
Lead, Total	mg/L			<0.001	1	1	<0.001	<0.001	<0.001	---
Manganese, Total	mg/L		0.05	0.09	1	0	0.09	0.09	0.09	---
Mercury, Total	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Molybdenum, Total	mg/L			<0.1	1	1	<0.1	<0.1	<0.1	---
Nickel, Total	mg/L			<0.05	1	1	<0.05	<0.05	<0.05	---
Selenium, Total	mg/L	0.05		<0.001	1	1	<0.001	<0.001	<0.001	---
Silver, Total	mg/L		0.1	<0.005	1	1	<0.005	<0.005	<0.005	---
Strontium, Total	mg/L			1	1	0	1	1	1	---
Thallium, Total	mg/L	0.002		<0.001	1	1	<0.001	<0.001	<0.001	---
Uranium, Total	mg/L	0.03		<0.0003	1	1	<0.0003	<0.0003	<0.0003	---

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				704	Summary Statistics for Hydro ID 704 Chilson					
Screened Interval				Chilson						
Date and Time Collected				2/24/2009 9:40:00 AM						
Lab ID				R09020293 -002						
Analyte	Units	Federal MCL	Secondary Standard	Result	n	n (Non-detects)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	<0.01	1	1	<0.01	<0.01	<0.01	---
Radionuclides, Dissolved										
Gross Alpha, Dissolved	pCi/L	15		2.5 j	1	0	2.5	2.5	2.5	---
Gross Beta, Dissolved	pCi/L			8.8	1	0	8.8	8.8	8.8	---
Gross Gamma, Dissolved	pCi/L			0 j	1	0	0	0	0	---
Lead 210, Dissolved	pCi/L			-1 j	1	0	-1	-1	-1	---
Polonium 210, Dissolved	pCi/L			0.15 j	1	0	0.15	0.15	0.15	---
Radium 226, Dissolved	pCi/L	5		1.6	1	0	1.6	1.6	1.6	---
Thorium 230, Dissolved	pCi/L			0.04 j	1	0	0.04	0.04	0.04	---
Radionuclides, Suspended										
Lead 210, Suspended	pCi/L			-0.2 j	1	0	-0.2	-0.2	-0.2	---
Polonium 210, Suspended	pCi/L			0.068 j	1	0	0.068	0.068	0.068	---
Radium 226, Suspended	pCi/L	5		-0.03 j	1	0	-0.03	-0.03	-0.03	---
Thorium 230, Suspended	pCi/L			-0.007 j	1	0	-0.007	-0.007	-0.007	---
Radionuclides, Total										
Radon 222, Total	pCi/L			200	1	0	200	200	200	---
Data Quality Parameters										
A/C Balance (± 5)	%			-1.29	1	0	-1.29	-1.29	-1.29	---
Anions	meq/l			13.8	1	0	13.8	13.8	13.8	---
Cations	meq/l			13.4	1	0	13.4	13.4	13.4	---
Solids, Total Dissolved Calculated	mg/L			905	1	0	905	905	905	---
TDS Balance (0.80 - 1.20)	dec. %			0.98	1	0	0.98	0.98	0.98	---

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

	Federal MCL
	Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				705	705	705	705	705	705	705	705
Month Sampled				Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10
Date and Time Collected				1/18/2010 12:00:00 AM	2/22/2010 12:00:00 AM	3/15/2010 12:00:00 AM	4/21/2010 12:00:00 AM	5/17/2010 12:00:00 AM	6/22/2010 12:00:00 AM	7/27/2010 12:00:00 AM	8/23/2010 12:00:00 AM
Lab ID				R10010180 -001	R10020266 -001	R10030205 -001	R10040303 -001	R10050253 -001	R10060444 -001	R10070459 -001	R10080398 -001
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result	Result
Field Parameters											
Field Conductivity	umhos/cm			1260	1260	1300	1320	1360	1380	1360	1370
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	9.83	9.98	8.97	8.83	7.99	7.76	7.68	7.73
Field Temperature	Deg C			13.8	13.4	12.9	13.7	14.6	15.3	15.2	14.8
Field Turbidity	NTUs			NM	NM	NM	NM	NM	NM	NM	NM
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	3709.57	3709.55
Physical Properties											
Conductivity @ 25 C	umhos/cm			1150	1570	1360	1300	1300 b	1320	1320	1330
Oxidation-Reduction Potential	mV			210	220	200	230	260	330	180	270
pH, Laboratory	s.u.		6.5-8.5	9.03	9.34	7.93	8.04	7.91	7.86	7.84	7.88
Sodium Adsorption Ratio (SAR)	unitless			4.6	4.7	3.6	4.2	4	3.6	3.8	3.7
Solids, Total Dissolved TDS @ 180 C	mg/L		500	770	840	1000	970	840	910 d	950 d	1100 d
Major Ions											
Alkalinity, Total as CaCO3	mg/L			40	36	160 h	104	130	152	168	168
Bicarbonate as HCO3	mg/L			44	39	195 h	127	158	185	205	205
Calcium, Dissolved	mg/L			61 d	54 d	88 d	76 d	81 d	92 d	94 d	97 d
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	<5	<5	<5
Chloride	mg/L		250	7	7.2	8	7	8	7	7	8 b
Fluoride	mg/L	4	2	0.3	0.2	0.3	0.3	0.4	0.4	0.4	0.5
Magnesium, Dissolved	mg/L			21.7	22.5	31.8	28	29.4	33.6	34.9	35.4
Nitrogen, Ammonia as N	mg/L			0.2	0.2	0.1	0.6	0.2	<0.1	0.1	0.1
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	<0.1	0.3	<0.1	<0.1
Potassium, Dissolved	mg/L			13.6	12.9	11.5	12.7	11.7	11.8	11.3	11.7
Silica	mg/L			7.1	7.8	8.3	10.3	7.5	8.2	9.3	8.5
Sodium, Dissolved	mg/L			166 d	162 d	154 d	168 d	166 d	159 d	169 d	169 d
Sulfate, Total	mg/L		250	513	495	509	521	542	524 d	534 d	575 d
Metals, Dissolved											
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	0.2	<0.1	<0.1	0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.01	<0.01	0.04	0.02	0.03	0.05	0.05	0.05
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	0.0007	<0.0003
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01
Metals, Dissolved, Speciated											
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Metals, Suspended											
Uranium, Suspended	mg/L	0.03		<0.0003	0.0015 b	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Metals, Total											
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.001	<0.001	0.001	0.001	0.001	0.004	0.001	0.003
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			<0.1	<0.1	0.1	0.1	<0.1	0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.1	<0.03	0.34 d	0.11 d	0.22	0.31	0.25	0.28
Lead, Total	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	0.02	<0.01	0.05	0.02	0.03	0.05	0.05	0.05
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			2.6	2.2	2.8	2.6	2.4	2.8	2.8	2.7
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				705	705	705	705	705	705	705	705
Month Sampled				Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10
Date and Time Collected				1/18/2010 12:00:00 AM	2/22/2010 12:00:00 AM	3/15/2010 12:00:00 AM	4/21/2010 12:00:00 AM	5/17/2010 12:00:00 AM	6/22/2010 12:00:00 AM	7/27/2010 12:00:00 AM	8/23/2010 12:00:00 AM
Lab ID				R10010180 -001	R10020266 -001	R10030205 -001	R10040303 -001	R10050253 -001	R10060444 -001	R10070459 -001	R10080398 -001
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result	Result
Zinc, Total	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Radionuclides, Dissolved											
Gross Alpha, Dissolved	pCi/L	15		3 j	1.1 j	8.6	7.5	3.9 j	6.2 j	6.7	8.9
Gross Beta, Dissolved	pCi/L			11.3	6.7	13.7	12.8	8.4	13.4	17.1	15.5
Gross Gamma, Dissolved	pCi/L			1100	<20	810	1000	420	500	500	710
Lead 210, Dissolved	pCi/L			0.3 j	-0.1 j	2 j	-2 j	0.02 j	0.8 j	0.4 j	0.01 j
Polonium 210, Dissolved	pCi/L			0.05 j	0.05 j	-0.02 j	-0.039 j	-0.06 j	0.11 j	0.076 j	0.088 j
Radium 226, Dissolved	pCi/L	5		0.6	0.8	2.1	1.8	1.6	1.8	1.8	1.8
Thorium 230, Dissolved	pCi/L			0.02 j	0.01 j	0.002 j	0.1 j	0.03 j	1.2	0.04 j	0.09 j
Radionuclides, Suspended											
Lead 210, Suspended	pCi/L			1.9 j	0.2 j	0.06 j	-0.1 j	-0.3 j	2.7 j	-1 j	-0.08 j
Polonium 210, Suspended	pCi/L			-0.056 j	0.069 j	-0.013 j	0.18 j	0.077 j	-0.036 j	-0.1 j	0.069 j
Radium 226, Suspended	pCi/L	5		-0.2 j	0.03 j	0.2	-0.01 j	0.3 j	-0.3 j	-0.1 j	-0.2 j
Thorium 230, Suspended	pCi/L			-0.1 j	-0.07 j	-0.08 j	-0.1 j	-0.4 j	-0.4 j	0.2 j	-0.03 j
Radionuclides, Total											
Radon 222, Total	pCi/L			206	<100	260	<100	157	243	247	238
Data Quality Parameters											
A/C Balance (± 5)	%			2.96	2.9	0.03	2.2	-0.47	1.5	1.76	-0.5
Anions	meq/l			11.7	11.2	14	13.2	14.1	14.2	14.7	15.6
Cations	meq/l			12.4	11.9	14	13.7	14	14.6	15.2	15.4
Solids, Total Dissolved Calculated	mg/L			825	1130	922	903	937	944	977	1020
TDS Balance (0.80 - 1.20)	dec. %			0.93	1.06	1.08	1.07	0.9	0.96	0.97	1.04

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				705	705	705	705	Summary Statistics for Hydro ID 705					
Month Sampled				Sep-10	Oct-10	Nov-10	Dec-10						
Date and Time Collected				9/28/2010 12:00:00 AM	10/25/2010 12:00:00 AM	11/15/2010 12:00:00 AM	12/14/2010 12:00:00 AM						
Lab ID				R10090519 -001	R10100355 -001	R10110179 -001	R10120179 -001						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			1380	1380	1390	1390	12	0	1260	1390	1345.8333	48.515852
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	7.7	7.77	7.74	7.7	12	0	7.68	9.98	8.3066667	0.8688585
Field Temperature	Deg C			14.8	14.1	13.8	13.8	12	0	12.9	15.3	14.183333	0.748129
Field Turbidity	NTUs			NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Water Level Elevation	ft AMSL			NM	3710.03	3709.71	3709.77	5	0	3709.55	3710.03	3709.726	0.1935975
Physical Properties													
Conductivity @ 25 C	umhos/cm			1390	1310	1300	1350	12	0	1150	1570	1333.3333	94.42008
Oxidation-Reduction Potential	mV			260	270	210	190	12	0	180	330	235.83333	43.16108
pH, Laboratory	s.u.		6.5-8.5	7.77	7.77	7.63	7.59	12	0	7.59	9.34	8.0491667	0.5487582
Sodium Adsorption Ratio (SAR)	unitless			3.8	3.6	3.6	3.6	12	0	3.6	4.7	3.9	0.3977208
Solids, Total Dissolved TDS @ 180 C	mg/L		500	990 d	940 d	990 d	990 d	12	0	770	1100	940.83333	89.184011
Major Ions													
Alkalinity, Total as CaCO3	mg/L			166	170	166	166	12	0	36	170	135.5	49.551626
Bicarbonate as HCO3	mg/L			202	207	202	202	12	0	39	207	164.25	62.06613
Calcium, Dissolved	mg/L			95.3	93.8	91.4	95.8	12	0	54	97	84.941667	14.327625
Carbonate as CO3	mg/L			<5	<5	<5	<5	12	12	<5	<5	<5	<5
Chloride	mg/L		250	8 b	7	8	8	12	0	7	8	7.5166667	0.5078177
Fluoride	mg/L	4	2	0.4	0.3	0.5	0.4	12	0	0.2	0.5	0.3666667	0.0887625
Magnesium, Dissolved	mg/L			34.8	33.7	33.4	34.4	12	0	21.7	35.4	31.133333	4.7778529
Nitrogen, Ammonia as N	mg/L			0.2	0.2	0.1	0.2	12	1	<0.1	0.6	0.1875	0.1416221
Nitrogen, Nitrate as N	mg/L	10		<2	<0.1	<0.1	<0.1	12	12	<0.1	<2	<2	<2
Nitrogen, Nitrite as N	mg/L	1		<2	<0.1	<0.1	<0.1	12	11	<0.1	0.3	0.15	0.2771609
Potassium, Dissolved	mg/L			11.6	11.3	11.8	11.7	12	0	11.3	13.6	11.966667	0.7126561
Silica	mg/L			9.3	8.2	8.8	10.4	12	0	7.1	10.4	8.6416667	1.0290846
Sodium, Dissolved	mg/L			169 d	162 d	157 d	163 d	12	0	154	169	163.66667	5.0512525
Sulfate, Total	mg/L		250	545 d	524 d	548 d	538 d	12	0	495	575	530.66667	21.10723
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.001	0.001	0.001	<0.001	12	9	<0.001	0.001	0.000625	0.0002261
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	10	<0.1	0.2	0.0666667	0.0443813
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	0.03	12	11	<0.03	0.03	0.01625	0.0043301
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.05	0.04	0.05	0.05	12	1	<0.01	0.05	0.0370833	0.0168494
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	0.002	12	11	<0.001	0.002	0.000625	0.000433
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	12	11	<0.0003	0.0007	0.0001958	0.0001588
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	12	11	<0.01	0.01	0.0054167	0.0014434
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	0.002	12	11	<0.001	0.002	0.000625	0.000433
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	12	11	<0.0003	0.0015	0.0002625	0.0003897
Metals, Total													
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	12	12	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.002 b	0.001	0.002	0.003 b	12	1	<0.001	0.004	0.0017083	0.0010967
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			<0.1	<0.1	<0.1	<0.1	12	9	<0.1	0.1	0.0625	0.0226134
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.23	0.21	0.26	0.2	12	1	<0.03	0.34	0.2104167	0.0937225
Lead, Total	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	0.05	0.05	0.05	0.05	12	1	<0.01	0.05	0.0395833	0.0163009
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	0.001	<0.001	<0.001	12	11	<0.001	0.001	0.0005417	0.0001443
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			2.7	2.8	2.6	2.7	12	0	2.2	2.8	2.6416667	0.1831955
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		<0.0003	<0.0003	0.0003	<0.0003	12	11	<0.0003	0.0003	0.0001625	4.33E-05

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				705	705	705	705	Summary Statistics for Hydro ID 705					
Month Sampled				Sep-10	Oct-10	Nov-10	Dec-10						
Date and Time Collected				9/28/2010 12:00:00 AM	10/25/2010 12:00:00 AM	11/15/2010 12:00:00 AM	12/14/2010 12:00:00 AM						
Lab ID				R10090519 -001	R10100355 -001	R10110179 -001	R10120179 -001						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		-3 j	-0.6 j	0.7 j	-0.3 j	12	0	-3	8.9	3.5583333	4.0019219
Gross Beta, Dissolved	pCi/L			8.6	9.7	10.7	11	12	0	6.7	17.1	11.575	3.0549885
Gross Gamma, Dissolved	pCi/L			390	670	650	390	12	1	<20	1100	595.83333	295.74124
Lead 210, Dissolved	pCi/L			1.8 j	-0.5 j	1 j	-0.2 j	12	0	-2	2	0.2941667	1.0613924
Polonium 210, Dissolved	pCi/L			-0.024 j	-0.035 j	-0.012 j	0.1 j	12	0	-0.06	0.11	0.0236667	0.0613223
Radium 226, Dissolved	pCi/L	5		1.8	2.4	2	1.9	12	0	0.6	2.4	1.7	0.509902
Thorium 230, Dissolved	pCi/L			0.04 j	0.02 j	-0.03 j	0.05 j	12	0	-0.03	1.2	0.131	0.3385225
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			-0.07 j	0.7 j	1.3 j	0.6 j	12	0	-1	2.7	0.4925	1.030632
Polonium 210, Suspended	pCi/L			-0.0041 j	-0.013 j	0.078 j	0 j	12	0	-0.1	0.18	0.0209083	0.0759641
Radium 226, Suspended	pCi/L	5		-0.06 j	0.1 j	0.2	-0.2 j	12	0	-0.3	0.3	-0.02	0.1906448
Thorium 230, Suspended	pCi/L			0.03 j	-0.3 j	-0.2 j	-0.2 j	12	0	-0.4	0.2	-0.1375	0.1748311
Radionuclides, Total													
Radon 222, Total	pCi/L			232	202	532	269	12	2	<100	532	223.83333	122.54263
Data Quality Parameters													
A/C Balance (± 5)	%			1.23	0.85	-1.85	0.94	12	0	-1.85	2.96	0.9625	1.4540109
Anions	meq/l			14.9	14.5	15	14.8	12	0	11.2	15.6	13.991667	1.3337973
Cations	meq/l			15.3	14.8	14.4	15	12	0	11.9	15.4	14.225	1.1161012
Solids, Total Dissolved Calculated	mg/L			988	940	974	979	12	0	825	1130	961.58333	72.740458
TDS Balance (0.80 - 1.20)	dec. %			1	0.98	1.02	1.01	12	0	0.9	1.08	1.0016667	0.0562193

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				706	706	706	706	706	706	706	706
Month Sampled				Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10
Date and Time Collected				1/18/2010 12:00:00 AM	2/22/2010 12:00:00 AM	3/15/2010 12:00:00 AM	4/21/2010 12:00:00 AM	5/17/2010 12:00:00 AM	6/22/2010 12:00:00 AM	7/27/2010 12:00:00 AM	8/23/2010 12:00:00 AM
Lab ID				R10010180 -002	R10020266 -002	R10030205 -003	R10040303 -002	R10050253 -002	R10060444 -002	R10070459 -002	R10080398 -002
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result	Result
Field Parameters											
Field Conductivity	umhos/cm			1620	1600	1610	1610	1600	1590	1560	1550
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	7.61	7.6	7.5	7.5	7.45	7.39	7.28	7.37
Field Temperature	Deg C			13.2	11.7	12.6	13	14	14.3	14.3	14
Field Turbidity	NTUs			NM	NM	NM	NM	NM	NM	NM	NM
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	3725.27	3724.82
Physical Properties											
Conductivity @ 25 C	umhos/cm			1620	1160	1570	1600	1520 b	1520	1540	1540
Oxidation-Reduction Potential	mV			220	230	220	290	260	340	220	280
pH, Laboratory	s.u.		6.5-8.5	7.63	7.57	7.48	7.5	7.47	7.5	7.51	7.53
Sodium Adsorption Ratio (SAR)	unitless			2.2	2.2	2.2	2.3	2.3	2.3	2.4	2.3
Solids, Total Dissolved TDS @ 180 C	mg/L		500	1200	1300	1200	1200	1100	1100 d	1200 d	1300 d
Major Ions											
Alkalinity, Total as CaCO3	mg/L			196	190	200 h	198	200	210	200	194
Bicarbonate as HCO3	mg/L			239	232	244 h	241	244	256	244	236
Calcium, Dissolved	mg/L			172 d	166 d	166 d	173 d	168 d	165 d	163 d	170 d
Carbonate as CO3	mg/L			<5	<5	<5	<5	<5	<5	<5	<5
Chloride	mg/L		250	10	9.9	10	9	10	9	9	10 b
Fluoride	mg/L	4	2	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.6
Magnesium, Dissolved	mg/L			49	48	46.6	48.6	47.2	47.4	47.4	48.7
Nitrogen, Ammonia as N	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			12.4	12.3	11.3	11.9	11.7	11.8	11.5	12.2
Silica	mg/L			9.1	8.8	8.3	9	6.7	7.6	8.5	7.9
Sodium, Dissolved	mg/L			127 d	126 d	124 d	134 d	130 d	130 d	132 d	133 d
Sulfate, Total	mg/L		250	714	677	666	659	694	640 d	658 d	708 d
Metals, Dissolved											
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.003	0.003	0.001	0.001	0.001	0.001	<0.001	0.001
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.52	0.48	0.53	0.56	0.54	0.56	0.56	0.57
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0089	0.0079	0.0078	0.0084	0.0086	0.0087	0.0069	0.0087
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	<0.01
Metals, Dissolved, Speciated											
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Metals, Suspended											
Uranium, Suspended	mg/L	0.03		<0.0003	0.0011 b	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003	<0.0003
Metals, Total											
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.003	0.003	0.001	0.002	0.001	0.001	0.001	0.001
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.03	0.07	0.15 d	<0.04	<0.03	<0.03	<0.03	<0.03
Lead, Total	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	0.54	0.5	0.56	0.57	0.55	0.57	0.56	0.58
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.001	0.001	<0.001	<0.001	0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			2.4	2.5	2.4	2.4	2.3	2.4	2.3	2.3
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		0.0087	0.008	0.0088	0.0083	0.0088	0.0081	0.008	0.0083

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				706	706	706	706	706	706	706	706
Month Sampled				Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10
Date and Time Collected				1/18/2010 12:00:00 AM	2/22/2010 12:00:00 AM	3/15/2010 12:00:00 AM	4/21/2010 12:00:00 AM	5/17/2010 12:00:00 AM	6/22/2010 12:00:00 AM	7/27/2010 12:00:00 AM	8/23/2010 12:00:00 AM
Lab ID				R10010180 -002	R10020266 -002	R10030205 -003	R10040303 -002	R10050253 -002	R10060444 -002	R10070459 -002	R10080398 -002
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result	Result
Zinc, Total	mg/L		5	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Radionuclides, Dissolved											
Gross Alpha, Dissolved	pCi/L	15		39.7	37.9	11.2	56.3	40.1	34	31.6	21.9
Gross Beta, Dissolved	pCi/L			18.3	27.5	19.7	32.7	25.7	19.6	27.2	25.2
Gross Gamma, Dissolved	pCi/L			820	<20	990	960	<20	1300	980	610
Lead 210, Dissolved	pCi/L			1.1 j	-0.1 j	0.7 j	-2 j	2.2 j	0.7 j	-1 j	-0.7 j
Polonium 210, Dissolved	pCi/L			0.074 j	0.23 j	0 j	-0.0025 j	-0.06 j	-0.042 j	0.062 j	-0.04 j
Radium 226, Dissolved	pCi/L	5		2.7	2.3	2.9	4.3	1.9	2.5	2.6	2.7
Thorium 230, Dissolved	pCi/L			0.01 j	-0.01 j	-0.01 j	0.004 j	0.006 j	0.8	0.04 j	-0.02 j
Radionuclides, Suspended											
Lead 210, Suspended	pCi/L			2.6 j	0.3 j	0.7 j	0.7 j	-1 j	0.05 j	-2 j	-0.02 j
Polonium 210, Suspended	pCi/L			0.12 j	-0.096 j	0.061 j	0.14 j	0.061 j	-0.047 j	0 j	0.068 j
Radium 226, Suspended	pCi/L	5		-0.2 j	0.07 j	0.2	0.03 j	0.6	-0.2 j	-0.1 j	-0.1 j
Thorium 230, Suspended	pCi/L			0.06 j	-0.07 j	-0.001 j	0.1 j	-0.1 j	-0.2 j	-0.2 j	-0.03 j
Radionuclides, Total											
Radon 222, Total	pCi/L			270	313	319	303	303	338	373	342
Data Quality Parameters											
A/C Balance (± 5)	%			-1.62	-0.44	-0.99	2.25	-1.36	0.9	0.4	-0.75
Anions	meq/l			19.1	18.2	18.2	18	18.8	17.8	18	18.9
Cations	meq/l			18.5	18	17.8	18.8	18.3	18.2	18.1	18.6
Solids, Total Dissolved Calculated	mg/L			1230	1540	1170	1180	1200	1150	1160	1220
TDS Balance (0.80 - 1.20)	dec. %			0.96	1.08	1.06	1.06	0.93	0.96	1	1.09

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				706	706	706	706	Summary Statistics for Hydro ID 706					
Month Sampled				Sep-10	Oct-10	Nov-10	Dec-10						
Date and Time Collected				9/28/2010 12:00:00 AM	10/25/2010 12:00:00 AM	11/15/2010 12:00:00 AM	12/14/2010 12:00:00 AM						
Lab ID				R10090519 -002	R10100355 -002	R10110179 -002	R10120179 -002						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detects)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			1570	1580	1590	1590	12	0	1550	1620	1589.17	21.087839
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Field pH	s.u.		6.5-8.5	7.35	7.45	7.38	7.38	12	0	7.28	7.61	7.44	0.1000757
Field Temperature	Deg C			13.9	13.2	13.4	13.2	12	0	11.7	14.3	13.40	0.7627701
Field Turbidity	NTUs			NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Water Level Elevation	ft AMSL			NM	3724.8	3725.29	3725.19	5	0	3724.8	3725.29	3725.07	0.2439877
Physical Properties													
Conductivity @ 25 C	umhos/cm			1560	1510	1470	1540	12	0	1160	1620	1512.50	118.0235
Oxidation-Reduction Potential	mV			290	320	220	200	12	0	200	340	257.50	45.751304
pH, Laboratory	s.u.		6.5-8.5	7.44	7.59	7.35	7.3	12	0	7.3	7.63	7.49	0.0938527
Sodium Adsorption Ratio (SAR)	unitless			2.3	2.3	2.2	2.2	12	0	2.2	2.4	2.27	0.0651339
Solids, Total Dissolved TDS @ 180 C	mg/L		500	1200 d	1200 d	1200 d	1200 d	12	0	1100	1300	1200.00	60.302269
Major Ions													
Alkalinity, Total as CaCO3	mg/L			192	192	194	194	12	0	190	210	196.67	5.4160256
Bicarbonate as HCO3	mg/L			234	234	236	236	12	0	232	256	239.67	6.6651513
Calcium, Dissolved	mg/L			166	167	163	167	12	0	163	173	167.17	3.1574827
Carbonate as CO3	mg/L			<5	<5	<5	<5	12	12	<5	<5	<5	<5
Chloride	mg/L		250	10 b	9	10	10	12	0	9	10	9.66	0.4870287
Fluoride	mg/L	4	2	0.5	0.5	0.6	0.6	12	0	0.4	0.6	0.51	0.0668558
Magnesium, Dissolved	mg/L			47.9	47.7	45.2	47.8	12	0	45.2	49	47.63	1.0208063
Nitrogen, Ammonia as N	mg/L			<0.1	0.1	<0.1	<0.1	12	11	<0.1	0.1	0.05	0.0144338
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	12	11	<0.1	0.2	0.06	0.0433013
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			11.6	11.6	12	11.9	12	0	11.3	12.4	11.85	0.3343923
Silica	mg/L			8.6	7.9	8.3	9.3	12	0	6.7	9.3	8.33	0.7302967
Sodium, Dissolved	mg/L			132 d	132 d	125 d	128 d	12	0	124	134	129.42	3.3427896
Sulfate, Total	mg/L		250	687 d	648 d	689 d	682 d	12	0	640	714	676.83	23.166721
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.001	0.001	<0.001	<0.001	12	3	<0.001	0.003	0.00	0.0008649
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	11	<0.1	0.1	0.05	0.0144338
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	12	12	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.53	0.49	0.57	0.58	12	0	0.48	0.58	0.54	0.0320393
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	0.002	12	11	<0.001	0.002	0.001	0.000433
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0081	0.0086	0.0082	0.0083	12	0	0.0069	0.0089	0.01	0.0005452
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	12	11	<0.01	0.02	0.01	0.0043301
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	0.002	12	11	<0.001	0.002	0.001	0.000433
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	12	11	<0.0003	0.0011	0.0002	0.0002742
Metals, Total													
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	12	12	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.002 b	0.003	0.002	0.001	12	0	0.001	0.003	0.00	0.000866
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			<0.1	<0.1	<0.1	<0.1	12	11	<0.1	0.1	0.05	0.0144338
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	0.03	0.06	0.04	0.04	12	5	<0.03	0.15	0.04	0.0386907
Lead, Total	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	0.57	0.56	0.59	0.52	12	0	0.5	0.59	0.56	0.0253909
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	12	10	<0.001	0.001	0.00	0.0001946
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			2.3	2	2.3	2.2	12	0	2	2.5	2.32	0.1267304
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		0.0085	0.0089	0.0098	0.0084	12	0	0.008	0.0098	0.01	0.0005036

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				706	706	706	706	Summary Statistics for Hydro ID 706					
Month Sampled				Sep-10	Oct-10	Nov-10	Dec-10						
Date and Time Collected				9/28/2010 12:00:00 AM	10/25/2010 12:00:00 AM	11/15/2010 12:00:00 AM	12/14/2010 12:00:00 AM						
Lab ID				R10090519 -002	R10100355 -002	R10110179 -002	R10120179 -002						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detects)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		20.5	19.3	24.5	18.2	12	0	11.2	56.3	29.60	12.649542
Gross Beta, Dissolved	pCi/L			21.3	25.8	21.1	22.4	12	0	18.3	32.7	23.88	4.2013255
Gross Gamma, Dissolved	pCi/L			470	490	490	<162.4	12	3	<20	1300	600.93	423.30335
Lead 210, Dissolved	pCi/L			1.5 j	0.1 j	-0.08 j	-0.8 j	12	0	-2	2.2	0.14	1.1761919
Polonium 210, Dissolved	pCi/L			-0.075 j	-0.012 j	-0.011 j	0.096 j	12	0	-0.075	0.23	0.02	0.0854301
Radium 226, Dissolved	pCi/L	5		2	2.2	2.4	2.5	12	0	1.9	4.3	2.58	0.6147185
Thorium 230, Dissolved	pCi/L			0.008 j	0.001 j	0.03 j	0.04 j	12	0	-0.02	0.8	0.07	0.2291421
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			-0.6 j	1.5 j	2.5 j	0.3 j	12	0	-2	2.6	0.42	1.3373818
Polonium 210, Suspended	pCi/L			-0.0047 j	0.081 j	-0.032 j	0 j	12	0	-0.096	0.14	0.03	0.0705909
Radium 226, Suspended	pCi/L	5		-0.02 j	0.2	0.1 j	-0.1 j	12	0	-0.2	0.6	0.04	0.2229961
Thorium 230, Suspended	pCi/L			0.05 j	-0.1 j	-0.2 j	-0.1 j	12	0	-0.2	0.1	-0.07	0.1043425
Radionuclides, Total													
Radon 222, Total	pCi/L			300	254	683	241	12	0	241	683	336.58	115.29051
Data Quality Parameters													
A/C Balance (± 5)	%			-0.4	2.02	-2.58	-0.56	12	0	-2.58	2.25	-0.26	1.4345317
Anions	meq/l			18.4	17.6	18.6	18.4	12	0	17.6	19.1	18.33	0.4559373
Cations	meq/l			18.3	18.3	17.6	18.2	12	0	17.6	18.8	18.23	0.330633
Solids, Total Dissolved Calculated	mg/L			1190	1190	1180	1190	12	0	1150	1540	1216.67	104.30143
TDS Balance (0.80 - 1.20)	dec. %			1	1.03	1.01	0.99	12	0	0.93	1.09	1.01	0.0508935

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				3026	3026	3026	3026	3026	3026	3026	3026
Quarter Sampled				Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08
Date and Time Collected				3/30/2008 6:45:00 PM	4/22/2008 2:30:00 PM	5/28/2008 3:15:00 PM	6/24/2008 8:06:00 PM	7/13/2008 3:28:00 PM	8/19/2008 4:25:00 PM	9/23/2008 3:10:00 PM	10/20/2008 1:15:00 PM
Lab ID				R08030315 -009	R08040287 -003	R08050406 -003	R08060427 -006	R08070220 -001	R08080301 -001	R08090356 -007	R08100295 -007
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result	Result
Field Parameters											
Field Conductivity	umhos/cm			2250	2818	2821	3069	3098	2843	2700	2700
Field Dissolved Oxygen	mg/L			3.83	NM	NM	0.15	0.17	0.71	NM	NM
Field pH	s.u.		6.5-8.5	10.79	8.95	6.91	6.58	6.5	6.09	6.86	6.8
Field Temperature	Deg C			10.89	12	12.03	12.41	12.36	12.37	13.8	12.2
Field Turbidity	NTUs			19.9	17.5	1.2	5	10.7	9.1	NM	NM
Water Level Elevation	ft AMSL			3681.89	3681.77	3681.73	3681.85	3681.78	3681.63	3681.78	3681.83
Physical Properties											
Conductivity @ 25 C	umhos/cm			2770	2730	2610	2970	3070	3480	2060	2660
Oxidation-Reduction Potential	mV			200	240	210	85	-15.5	130	-97.9	210
pH, Laboratory	s.u.		6.5-8.5	7.63	8.49	6.95	6.82	6.57	7.07	6.92	7.12
Sodium Adsorption Ratio (SAR)	unitless			3.7	3.6	2.4	1.8	1.8	1.7	2	2.1
Solids, Total Dissolved TDS @ 180 C	mg/L		500	2300	2300	2400	2700	2800	2800	2300	1700
Major Ions											
Alkalinity, Total as CaCO3	mg/L			130	126	166	172	184	208	196	194
Bicarbonate as HCO3	mg/L			158	134	202	210	224	254	239	236
Calcium, Dissolved	mg/L			284	331	407	461	466	499	347	331
Carbonate as CO3	mg/L			<5	10	<5	<5	<5	<5	<5	<5
Chloride	mg/L		250	37 d	16	15	15	15	15	15	17
Fluoride	mg/L	4	2	0.6	0.4	0.4	0.4	0.5	0.4	0.5	0.3
Magnesium, Dissolved	mg/L			67.9	86.8	105	137	138	152	113	104
Nitrogen, Ammonia as N	mg/L			1.2	0.8	0.7	0.6	0.7	0.6	0.5	0.4
Nitrogen, Nitrate as N	mg/L	10		0.1	0.09	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.05	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			21.3	23.7	25.3	22.3	30.6	21.9	18.6	19
Silica	mg/L			5.7	2.1	2.3	1.9	1.4	2.2	<0.5	9.9
Sodium, Dissolved	mg/L			271	284 d	209 d	171 d	168	172 d	171	168 d
Sulfate, Total	mg/L		250	1470 d	1520	1480 d	1790	1700 d	1870 d	1560 d	1360 d
Metals, Dissolved											
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.004	0.012	0.002	<0.001	0.016	0.017	<0.001	0.002
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	0.2	0.2	0.1	0.2	0.2	0.2
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	0.1	2.67	0.23	0.04	21.2	25.4	1.26	3.36
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.42	0.36	0.82	1.42	1.47	1.6	0.84	0.92
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			0.2	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		0.006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0151	0.015	0.0281	0.0183	0.0128	0.0106	0.0059	0.0045
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	0.01	<0.01	<0.01	0.01	0.02	<0.01	<0.01
Metals, Dissolved, Speciated											
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	0.001	<0.001	0.001	<0.001
Selenium-VI, Dissolved	mg/L			0.006	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Metals, Suspended											
Uranium, Suspended	mg/L	0.03		0.004	0.001	0.0013	0.0015	<0.0003	<0.0003	<0.0008	<0.0003
Metals, Total											
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.023	0.022	0.028	0.025	0.044	0.022	0.016	0.01 l
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			<0.1	<0.1	0.1	0.2	0.3	0.1	0.2	0.2
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	1.75	5.38	11.1	21.8	22	25.8	17.9	14.3
Lead, Total	mg/L			<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	0.13	0.46	0.87	1.46	1.57	1.64	1.18	1.01
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.0001	<0.0002	<0.0002	<0.001	<0.001	<0.001
Mercury, Total A3112B	mg/L	0.002		NM	NM	NM	NM	<0.0001	NM	NM	NM
Molybdenum, Total	mg/L			0.3	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		0.007	0.002	<0.001	0.005 d	<0.001	0.001	0.002	<0.001
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			4.8	6.3	7	7.4	7.7	7.2	6.5	5.9
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				3026	3026	3026	3026	3026	3026	3026	3026
Quarter Sampled				Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08	Oct-08
Date and Time Collected				3/30/2008 6:45:00 PM	4/22/2008 2:30:00 PM	5/28/2008 3:15:00 PM	6/24/2008 8:06:00 PM	7/13/2008 3:28:00 PM	8/19/2008 4:25:00 PM	9/23/2008 3:10:00 PM	10/20/2008 1:15:00 PM
Lab ID				R08030315 -009	R08040287 -003	R08050406 -003	R08060427 -006	R08070220 -001	R08080301 -001	R08090356 -007	R08100295 -007
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	Result	Result	Result	Result
Uranium, Total	mg/L	0.03		0.0097	0.0196	0.0322	0.0216	0.0151	0.0105	0.0085	0.0055
Zinc, Total	mg/L		5	<0.01	0.01	0.01	0.01	0.03	0.02	<0.01	<0.01
Radionuclides, Dissolved											
Gross Alpha, Dissolved	pCi/L	15		47.6	43.8	92.4	116	80.1	77.5	44	36
Gross Beta, Dissolved	pCi/L			21.1	24.4	28.3	33.9	32.6	30.2	16	20.2
Gross Gamma, Dissolved	pCi/L			0 j	0 j	0 j	0 j	1000	840	960	840
Lead 210, Dissolved	pCi/L			<1	0 j	-0.7 j	-5.3 j	3.1 j	2.1 j	0.1 j	-1 j
Polonium 210, Dissolved	pCi/L			0.4 j	0.2 j	0 j	0.2 j	0.2 j	0.2 j	0.2 j	0 j
Radium 226, Dissolved	pCi/L	5		3.6	2.8	9.6	4.7	10.1	9.5	10.4	3.5
Thorium 230, Dissolved	pCi/L			0 j	0.1 j	0.1 j	0 j	0.1 j	0 j	0.1 j	0.1 j
Radionuclides, Suspended											
Lead 210, Suspended	pCi/L			-3 j	-8.2 j	4 j	6.9 j	-10 j	-5 j	-2 j	-3 j
Polonium 210, Suspended	pCi/L			1.9	0 j	-0.1 j	0.2 j	0.1 j	0 j	0.066 j	0.2 j
Radium 226, Suspended	pCi/L	5		3.3	0.1 j	1.2	-0.1 j	-0.2 j	-0.3 j	0.9	-0.8 j
Thorium 230, Suspended	pCi/L			1	0.3	0.2 j	0 j	0 j	0 j	0.5	-0.1 j
Radionuclides, Total											
Radon 222, Total	pCi/L			440	304	213	950	560	836	357	254
Data Quality Parameters											
A/C Balance (± 5)	%			-2.96	3.12	5.9	1.44	5.04	3.22	-3.03	0.62
Anions	meq/l			34.2	34.6	34.5	41.2	39.4	43.6	36.8	32.7
Cations	meq/l			32.2	36.8	38.8	42.4	43.6	46.5	34.6	33.1
Solids, Total Dissolved Calculated	mg/L			2240	2340	2340	2710	2630	2860	2340	2140
TDS Balance (0.80 - 1.20)	dec. %			1.03	0.99	1.03	1.01	1.06	0.98	0.97	0.78

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				3026	3026	3026	3026	Summary Statistics for Hydro ID 3026					
Quarter Sampled				Nov-08	Dec-08	Jan-09	Feb-09						
Date and Time Collected				11/18/2008 11:19:00 AM	12/17/2008 12:46:00 PM	1/20/2009 2:25:00 PM	2/24/2009 11:35:00 AM						
Lab ID				R08110211 -007	R08120255 -004	R09010301 -010	R09020293 -003						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			2800	2700	2500	2700	12	0	2250	3098	2749.9167	226.87179
Field Dissolved Oxygen	mg/L			NM	NM	NM	NM	4	0	0.15	3.83	1.215	1.7625266
Field pH	s.u.		6.5-8.5	6.72	6.74	7.04	6.76	12	0	6.09	10.79	7.2283333	1.3166199
Field Temperature	Deg C			12.3	11.1	11.2	11.9	12	0	10.89	13.8	12.046667	0.767017
Field Turbidity	NTUs			NM	NM	NM	NM	6	0	1.2	19.9	10.566667	7.1564423
Water Level Elevation	ft AMSL			3681.85	3682.5	3682.53	3682.5	12	0	3681.63	3682.53	3681.97	0.3324291
Physical Properties													
Conductivity @ 25 C	umhos/cm			2310	2490	2600	2510	12	0	2060	3480	2688.3333	367.2956
Oxidation-Reduction Potential	mV			290	310	240	170	12	0	-97.9	310	164.3	121.54901
pH, Laboratory	s.u.		6.5-8.5	7.44	6.83	6.67	6.63	12	0	6.57	8.49	7.095	0.5412528
Sodium Adsorption Ratio (SAR)	unitless			2	1.9	1.9	1.8	12	0	1.7	3.7	2.225	0.6903556
Solids, Total Dissolved TDS @ 180 C	mg/L		500	2300	2300	2100	2300	12	0	1700	2800	2358.3333	305.87678
Major Ions													
Alkalinity, Total as CaCO3	mg/L			184	180	174	176	12	0	126	208	174.16667	24.472
Bicarbonate as HCO3	mg/L			224	219	212	215	12	0	134	254	210.58333	33.703138
Calcium, Dissolved	mg/L			375	377	350	334 d	12	0	284	499	380.16667	65.368652
Carbonate as CO3	mg/L			<5	<5	<5	<5	12	11	<5	10	3.125	2.1650635
Chloride	mg/L		250	17	16	16	16	12	0	15	37	17.5	6.1864956
Fluoride	mg/L	4	2	0.3	0.4	0.6	0.6	12	0	0.3	0.6	0.45	0.1087115
Magnesium, Dissolved	mg/L			117	120	114	108	12	0	67.9	152	113.55833	22.71305
Nitrogen, Ammonia as N	mg/L			0.5	0.5	0.5	0.4	12	0	0.4	1.2	0.6166667	0.2208798
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	12	10	<0.1	0.1	0.0575	0.0176455
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	12	12	<0.05	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			19.3	19.7	20.6	17.5	12	0	17.5	30.6	21.65	3.5955781
Silica	mg/L			9.1	9.6	8.5	8.1	12	1	<0.5	9.9	5.0875	3.7283999
Sodium, Dissolved	mg/L			170 d	164 d	161	147	12	0	147	284	188	44.199959
Sulfate, Total	mg/L		250	1370 d	1290 d	1310 d	1390 d	12	0	1290	1870	1509.1667	189.27893
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.002	0.002	0.001	0.001	12	2	<0.001	0.017	0.005	0.0062048
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			0.2	0.2	<0.1	0.2	12	3	<0.1	0.2	0.1541667	0.0689477
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	12	12	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	3.59	6.93	6.85	2.98	12	0	0.04	25.4	6.2175	8.3530007
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	1.04	1.18	1.16	1.1	12	0	0.36	1.6	1.0275	0.3847343
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	10	<0.1	0.2	0.0666667	0.0443813
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.001	12	11	<0.001	0.006	0.0009583	0.0015877
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0048	0.0045	0.0039	0.0022	12	0	0.0022	0.0281	0.010475	0.0077189
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	12	11	<0.1	0.1	0.0541667	0.0144338
Zinc, Dissolved	mg/L		5	<0.01	<0.01	0.02	<0.01	12	8	<0.01	0.02	0.0083333	0.0057735
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	11	<0.001	0.001	0.0005417	0.0001443
Selenium-VI, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	12	11	<0.001	0.006	0.0009583	0.0015877
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0009	0.0003	<0.0003	12	7	<0.0003	0.004	0.0013708	0.0011145
Metals, Total													
Antimony, Total	mg/L	0.006		<0.003	<0.003	<0.003	<0.003	12	12	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		0.006	0.009	0.01	0.006	12	0	0.006	0.044	0.0184167	0.0112044
Barium, Total	mg/L	2		<0.1	<0.1	<0.1	<0.1	12	12	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		<0.001	<0.001	<0.001	<0.001	12	11	<0.001	0.001	0.0005417	0.0001443
Boron, Total	mg/L			0.2	0.2	0.2	0.2	12	2	<0.1	0.3	0.1666667	0.0748736
Cadmium, Total	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	<0.01	<0.01	<0.01	<0.01	12	11	<0.01	0.01	0.0054167	0.0014434
Iron, Total	mg/L		0.3	14.5	17	17 d	15.1	12	0	1.75	25.8	15.3025	6.817483
Lead, Total	mg/L			<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	1	1.08	1.2	1.35	12	0	0.13	1.64	1.0791667	0.4408351
Mercury, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.0001	<0.001	<0.001	<0.001
Mercury, Total A3112B	mg/L	0.002		NM	NM	NM	NM	1	1	<0.0001	<0.0001	<0.0001	---
Molybdenum, Total	mg/L			<0.1	<0.1	<0.1	<0.1	12	10	<0.1	0.3	0.075	0.0722999
Nickel, Total	mg/L			<0.05	<0.05	<0.05	<0.05	12	12	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		<0.001	<0.001	0.003	<0.001	12	6	<0.001	0.007	0.0019167	0.0021195
Silver, Total	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	12	12	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			5.7	5.9	6	5.8	12	0	4.8	7.7	6.35	0.8393721
Thallium, Total	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	12	12	<0.001	<0.001	<0.001	<0.001

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				3026	3026	3026	3026	Summary Statistics for Hydro ID 3026					
Quarter Sampled				Nov-08	Dec-08	Jan-09	Feb-09						
Date and Time Collected				11/18/2008 11:19:00 AM	12/17/2008 12:46:00 PM	1/20/2009 2:25:00 PM	2/24/2009 11:35:00 AM						
Lab ID				R08110211 -007	R08120255 -004	R09010301 -010	R09020293 -003						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Uranium, Total	mg/L	0.03		0.0044	0.0047	0.0047	0.0025	12	0	0.0025	0.0322	0.0115833	0.008955
Zinc, Total	mg/L		5	<0.01	<0.01	<0.01	<0.01	12	7	<0.01	0.03	0.0095833	0.0078214
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		19.7	23.9	51.6	15.4	12	0	15.4	116	54	31.187468
Gross Beta, Dissolved	pCi/L			3.4 j	19	24.9	18.1	12	0	3.4	33.9	22.675	8.4197954
Gross Gamma, Dissolved	pCi/L			0 j	0 j	1000	0 j	12	0	0	1000	386.66667	480.40387
Lead 210, Dissolved	pCi/L			-2 j	2.3 j	-0.9 j	0.4 j	12	1	<1	3.1	-0.116667	2.2147577
Polonium 210, Dissolved	pCi/L			0 j	0.2 j	0.053 j	0.14 j	12	0	0	0.4	0.1494167	0.1185154
Radium 226, Dissolved	pCi/L	5		3.9	2.7	3.5	2.9	12	0	2.7	10.4	5.6	3.2271575
Thorium 230, Dissolved	pCi/L			0 j	0.1 j	0 j	-0.03 j	12	0	-0.03	0.1	0.0475	0.0554527
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			-2 j	4 j	-0.5 j	2.9 j	12	0	-10	6.9	-1.325	5.0940473
Polonium 210, Suspended	pCi/L			-0.031 j	0 j	-0.058 j	0.098 j	12	0	-0.1	1.9	0.1979167	0.5442453
Radium 226, Suspended	pCi/L	5		0.8	0.2 j	0.6	0.1 j	12	0	-0.8	3.3	0.4833333	1.0521263
Thorium 230, Suspended	pCi/L			-0.1 j	0.1 j	-0.1 j	-0.07 j	12	0	-0.1	1	0.1441667	0.3268989
Radionuclides, Total													
Radon 222, Total	pCi/L			505	355	295	484	12	0	213	950	462.75	227.8409
Data Quality Parameters													
A/C Balance (± 5)	%			5.27	8.46	5.42	-0.59	12	0	-3.03	8.46	2.6591667	3.6297995
Anions	meq/l			32.8	31	31.2	33	12	0	31	43.6	35.416667	4.0287226
Cations	meq/l			36.4	36.7	34.8	32.6	12	0	32.2	46.5	37.375	4.6045679
Solids, Total Dissolved Calculated	mg/L			2210	2120	2100	2140	12	0	2100	2860	2347.5	252.91483
TDS Balance (0.80 - 1.20)	dec. %			1.03	1.08	0.99	1.05	12	0	0.78	1.08	1	0.0769888

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				4002	4002	4002	4002	Summary Statistics for Hydro ID 4002					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/27/2007 2:35:00 PM	11/14/2007 11:45:00 AM	2/12/2008 11:47:00 AM	5/19/2008 1:00:00 PM						
Lab ID				R07090385 -003	R07110184 -002	R08020130 -004	R08050251 -003						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			747	1185	1230	1214	4	0	747	1230	1094	232.08188
Field Dissolved Oxygen	mg/L			0.43	NM	NM	1.39	2	0	0.43	1.39	0.91	0.6788225
Field pH	s.u.		6.5-8.5	8.32	8.17	7.83	7.92	4	0	7.83	8.32	8.06	0.2252406
Field Temperature	Deg C			NM	11.21	8.34	12.08	3	0	8.34	12.08	10.543333	1.9570982
Field Turbidity	NTUs			NM	3.2	0.3	0.7	3	0	0.3	3.2	1.4	1.5716234
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Physical Properties													
Conductivity @ 25 C	umhos/cm			1190	1130	1230	1340	4	0	1130	1340	1222.5	88.45903
Oxidation-Reduction Potential	mV			NM	140	190	250	3	0	140	250	193.33333	55.075705
pH, Laboratory	s.u.		6.5-8.5	7.81	7.65	7.83	8.02	4	0	7.65	8.02	7.8275	0.1515201
Sodium Adsorption Ratio (SAR)	unitless			NM	6.7	6.7	6.8	3	0	6.7	6.8	6.7333333	0.057735
Solids, Total Dissolved TDS @ 180 C	mg/L		500	820	850	830	790	4	0	790	850	822.5	25
Major Ions													
Alkalinity, Total as CaCO3	mg/L			140	140	138	144	4	0	138	144	140.5	2.5166115
Bicarbonate as HCO3	mg/L			171	171	168	176	4	0	168	176	171.5	3.3166248
Calcium, Dissolved	mg/L			36.8	41.4	42.4	46.6	4	0	36.8	46.6	41.8	4.0232657
Carbonate as CO3	mg/L			<5	<5	<5	<5	4	4	<5	<5	<5	<5
Chloride	mg/L		250	7	7	7	6	4	0	6	7	6.75	0.5
Fluoride	mg/L	4	2	0.3	0.4	0.4	0.4	4	0	0.3	0.4	0.375	0.05
Magnesium, Dissolved	mg/L			11.9	13.9	14.2	15.8	4	0	11.9	15.8	13.95	1.6010413
Nitrogen, Ammonia as N	mg/L			0.3	<0.1	<0.1	<0.1	4	3	<0.1	0.3	0.1125	0.125
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	0.1	4	3	<0.1	0.1	0.0625	0.025
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			7.2	7.3	7.4	7.1	4	0	7.1	7.4	7.25	0.1290994
Silica	mg/L			6.6	7.6	7.3	3.8	4	0	3.8	7.6	6.325	1.734695
Sodium, Dissolved	mg/L			170 d	197 d	198 d	211 d	4	0	170	211	194	17.224014
Sulfate, Total	mg/L		250	454 d	448 d	470	450 d	4	0	448	470	455.5	9.9833194
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	4	4	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	<0.03	<0.03	<0.03	4	4	<0.03	<0.03	<0.03	<0.03
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.08	0.08	0.08	0.08	4	0	0.08	0.08	0.08	0
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		<0.001	<0.001	<0.001	<0.005	4	4	<0.001	<0.005	<0.005	<0.005
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0026	0.0026	0.0026	0.0023	4	0	0.0023	0.0026	0.002525	0.00015
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	4	4	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	4	4	<0.0003	<0.0003	<0.0003	<0.0003
Metals, Total													
Antimony, Total	mg/L	0.006		NM	NM	<0.003	<0.003	2	2	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		NM	NM	<0.001	0.002	2	1	<0.001	0.002	0.00125	0.0010607
Barium, Total	mg/L	2		NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		NM	NM	<0.005	<0.001	2	2	<0.001	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	NM	NM	2.23	2.29	2	0	2.23	2.29	2.26	0.0424264
Lead, Total	mg/L			NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	NM	NM	0.08	0.08	2	0	0.08	0.08	0.08	0
Mercury, Total	mg/L	0.002		<0.0002	<0.001	<0.001	<0.0001	4	4	<0.0001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Nickel, Total	mg/L			NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			NM	NM	0.8	0.9	2	0	0.8	0.9	0.85	0.0707107
Thallium, Total	mg/L	0.002		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		NM	NM	0.0025 d	0.0025	2	0	0.0025	0.0025	0.0025	0

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				4002	4002	4002	4002	Summary Statistics for Hydro ID 4002					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/27/2007 2:35:00 PM	11/14/2007 11:45:00 AM	2/12/2008 11:47:00 AM	5/19/2008 1:00:00 PM						
Lab ID				R07090385 -003	R07110184 -002	R08020130 -004	R08050251 -003						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		120	227	314	127	4	0	120	314	197	92.047089
Gross Beta, Dissolved	pCi/L			45.5	87.9	101	30.1	4	0	30.1	101	66.125	33.732316
Gross Gamma, Dissolved	pCi/L			120	2200	650	210	4	0	120	2200	795	964.86614
Lead 210, Dissolved	pCi/L			2	6.2	<1	-2.6 j	4	1	<1	6.2	1.525	3.6582099
Polonium 210, Dissolved	pCi/L			<1	<1	2.1	0 j	4	2	<1	2.1	0.775	0.9142392
Radium 226, Dissolved	pCi/L	5		63.6	54.2	57	52.3	4	0	52.3	63.6	56.775	4.942587
Thorium 230, Dissolved	pCi/L			0.5	<0.2	0.2	0 j	4	1	<0.2	0.5	0.2	0.2160247
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			9.7	<1	<1	1.4 j	4	2	<1	9.7	3.025	4.470179
Polonium 210, Suspended	pCi/L			<1	<1	<1	0.1 j	4	3	<1	0.1	0.4	0.2
Radium 226, Suspended	pCi/L	5		<0.2	2.4	37	8.4	4	1	<0.2	37	11.975	17.046285
Thorium 230, Suspended	pCi/L			<0.2	<0.2	<0.2	0.1 j	4	3	<0.2	0.1	0.1	0
Radionuclides, Total													
Lead 210, Total	pCi/L			12	NM	NM	NM	1	0	12	12	12	---
Polonium 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Radium 226, Total	pCi/L	5		62.7	NM	NM	NM	1	0	62.7	62.7	62.7	---
Radon 222, Total	pCi/L			NM	8010	9890 h	8780	3	0	8010	9890	8893.3333	945.11022
Thorium 230, Total	pCi/L			<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Data Quality Parameters													
A/C Balance (± 5)	%			-4.1	-1.56	-2.61	2.11	4	0	-4.1	2.11	-1.54	2.647099
Anions	meq/l			11.3	12.3	12.8	12.4	4	0	11.3	12.8	12.2	0.6377042
Cations	meq/l			10.4	12	12.1	13	4	0	10.4	13	11.875	1.0812801
Solids, Total Dissolved Calculated	mg/L			716	799	842	834	4	0	716	842	797.75	57.61004
TDS Balance (0.80 - 1.20)	dec. %			1.15	1.06	0.98	0.94	4	0	0.94	1.15	1.0325	0.0928709

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				7002	7002	7002	7002	Summary Statistics for Hydro ID 7002					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/28/2007 5:48:00 PM	11/12/2007 8:10:00 AM	2/20/2008 8:30:00 AM	5/29/2008 10:44:00 AM						
Lab ID				R07100002 -008	R07110146 -001	R08020220 -001	R08050419 -001						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Field Parameters													
Field Conductivity	umhos/cm			1815	2275	2113	2258	4	0	1815	2275	2115.25	212.95755
Field Dissolved Oxygen	mg/L			NM	1.11	1.21	NM	2	0	1.11	1.21	1.16	0.0707107
Field pH	s.u.		6.5-8.5	6.99	7.89	7.19	7.5	4	0	6.99	7.89	7.3925	0.3924602
Field Temperature	Deg C			11.99	11.37	11.02	12.03	4	0	11.02	12.03	11.6025	0.4920281
Field Turbidity	NTUs			NM	1.9	0.7	2.2	3	0	0.7	2.2	1.6	0.7937254
Water Level Elevation	ft AMSL			NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Physical Properties													
Conductivity @ 25 C	umhos/cm			2200	2210	2420	2480	4	0	2200	2480	2327.5	143.61407
Oxidation-Reduction Potential	mV			NM	190	170	230	3	0	170	230	196.66667	30.550505
pH, Laboratory	s.u.		6.5-8.5	7.29	7.22	7.56	7.36	4	0	7.22	7.56	7.3575	0.1466004
Sodium Adsorption Ratio (SAR)	unitless			NM	2.7	2.4	2.6	3	0	2.4	2.7	2.5666667	0.1527525
Solids, Total Dissolved TDS @ 180 C	mg/L		500	1900	1900	1900	1800	4	0	1800	1900	1875	50
Major Ions													
Alkalinity, Total as CaCO3	mg/L			280	250	260	254	4	0	250	280	261	13.316656
Bicarbonate as HCO3	mg/L			341	305	317	310	4	0	305	341	318.25	15.945219
Calcium, Dissolved	mg/L			206 d	237	213	264	4	0	206	264	230	26.267851
Carbonate as CO3	mg/L			<5	<5	<5	<5	4	4	<5	<5	<5	<5
Chloride	mg/L		250	10	11	9	9	4	0	9	11	9.75	0.9574271
Fluoride	mg/L	4	2	0.2	0.2	0.5	0.3	4	0	0.2	0.5	0.3	0.1414214
Magnesium, Dissolved	mg/L			77.7	90.4	81.7	103	4	0	77.7	103	88.2	11.200893
Nitrogen, Ammonia as N	mg/L			0.3	0.3	0.2	0.2	4	0	0.2	0.3	0.25	0.057735
Nitrogen, Nitrate as N	mg/L	10		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nitrogen, Nitrite as N	mg/L	1		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Potassium, Dissolved	mg/L			19.9	22.2	21	21.7	4	0	19.9	22.2	21.2	0.9966611
Silica	mg/L			7.3	8.2	7.8	3.4	4	0	3.4	8.2	6.675	2.214159
Sodium, Dissolved	mg/L			152 d	192 d	162 d	197 d	4	0	152	197	175.75	22.12653
Sulfate, Total	mg/L		250	1160 d	1040 d	1080 d	1020 d	4	0	1020	1160	1075	61.913919
Metals, Dissolved													
Aluminum, Dissolved	mg/L		0.05-0.2	<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Arsenic, Dissolved	mg/L	0.01		0.001	0.001	0.001	<0.001	4	1	<0.001	0.001	0.000875	0.00025
Barium, Dissolved	mg/L	2		<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Boron, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Cadmium, Dissolved	mg/L	0.005		<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Chromium, Dissolved	mg/L	0.1		<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Copper, Dissolved	mg/L		1	<0.01	<0.01	<0.01	<0.01	4	4	<0.01	<0.01	<0.01	<0.01
Iron, Dissolved	mg/L		0.3	<0.03	0.25	0.28	0.06	4	1	<0.03	0.28	0.15125	0.13319
Lead, Dissolved	mg/L			<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Manganese, Dissolved	mg/L		0.05	0.39	0.37	0.38	0.41	4	0	0.37	0.41	0.3875	0.0170783
Mercury, Dissolved	mg/L	0.002		<0.001	<0.001	<0.001	<0.001	4	4	<0.001	<0.001	<0.001	<0.001
Molybdenum, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Nickel, Dissolved	mg/L			<0.05	<0.05	<0.05	<0.05	4	4	<0.05	<0.05	<0.05	<0.05
Selenium, Dissolved	mg/L	0.05		0.001	<0.001	0.001	<0.001	4	2	<0.001	0.001	0.00075	0.0002887
Silver, Dissolved	mg/L		0.1	<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Thorium 232, Dissolved	mg/L			<0.005	<0.005	<0.005	<0.005	4	4	<0.005	<0.005	<0.005	<0.005
Uranium, Dissolved	mg/L	0.03		0.0007	0.0006	0.0006	0.0005	4	0	0.0005	0.0007	0.0006	8.165E-05
Vanadium, Dissolved	mg/L			<0.1	<0.1	<0.1	<0.1	4	4	<0.1	<0.1	<0.1	<0.1
Zinc, Dissolved	mg/L		5	<0.01	<0.01	<0.01	<0.01	4	4	<0.01	<0.01	<0.01	<0.01
Metals, Dissolved, Speciated													
Selenium-IV, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Selenium-VI, Dissolved	mg/L			NM	<0.001	<0.001	<0.001	3	3	<0.001	<0.001	<0.001	<0.001
Metals, Suspended													
Uranium, Suspended	mg/L	0.03		<0.0003	<0.0003	<0.0003	<0.0003	4	4	<0.0003	<0.0003	<0.0003	<0.0003
Metals, Total													
Antimony, Total	mg/L	0.006		NM	NM	<0.003	<0.003	2	2	<0.003	<0.003	<0.003	<0.003
Arsenic, Total	mg/L	0.01		NM	NM	0.001	0.004 d	2	0	0.001	0.004	0.0025	0.0021213
Barium, Total	mg/L	2		NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Beryllium, Total	mg/L	0.004		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Boron, Total	mg/L			NM	NM	<0.1	<0.1	2	2	<0.1	<0.1	<0.1	<0.1
Cadmium, Total	mg/L	0.005		NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Chromium, Total	mg/L	0.1		NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Copper, Total	mg/L		1	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Iron, Total	mg/L		0.3	NM	NM	1.25	1.32	2	0	1.25	1.32	1.285	0.0494975
Lead, Total	mg/L			NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Manganese, Total	mg/L		0.05	NM	NM	0.37	0.4	2	0	0.37	0.4	0.385	0.0212132
Mercury, Total	mg/L	0.002		<0.0002	<0.001	<0.001	<0.0001	4	4	<0.0001	<0.001	<0.001	<0.001
Molybdenum, Total	mg/L			NM	NM	<0.01	<0.1	2	2	<0.01	<0.1	<0.1	<0.1
Nickel, Total	mg/L			NM	NM	<0.05	<0.05	2	2	<0.05	<0.05	<0.05	<0.05
Selenium, Total	mg/L	0.05		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Silver, Total	mg/L		0.1	NM	NM	<0.005	<0.005	2	2	<0.005	<0.005	<0.005	<0.005
Strontium, Total	mg/L			NM	NM	6.6	7.7	2	0	6.6	7.7	7.15	0.7778175
Thallium, Total	mg/L	0.002		NM	NM	<0.001	<0.001	2	2	<0.001	<0.001	<0.001	<0.001
Uranium, Total	mg/L	0.03		NM	NM	0.0005	0.0006	2	0	0.0005	0.0006	0.00055	7.071E-05

POWERTECH (USA) INC.

Dewey-Burdock Hydro ID				7002	7002	7002	7002	Summary Statistics for Hydro ID 7002					
Quarter Sampled				3Q07	4Q07	1Q08	2Q08						
Date and Time Collected				9/28/2007 5:48:00 PM	11/12/2007 8:10:00 AM	2/20/2008 8:30:00 AM	5/29/2008 10:44:00 AM						
Lab ID				R07100002 -008	R07110146 -001	R08020220 -001	R08050419 -001						
Analyte	Units	Federal MCL	Secondary Standard	Result	Result	Result	Result	n	n (non-detect)	Minimum	Maximum	Mean*	StDev*
Zinc, Total	mg/L		5	NM	NM	<0.01	<0.01	2	2	<0.01	<0.01	<0.01	<0.01
Radionuclides, Dissolved													
Gross Alpha, Dissolved	pCi/L	15		45.6	39.8	91.4	29.5	4	0	29.5	91.4	51.575	27.372051
Gross Beta, Dissolved	pCi/L			29.7	34.1	41.4	28.4	4	0	28.4	41.4	33.4	5.864583
Gross Gamma, Dissolved	pCi/L			1200	1600	370	0 j	4	0	0	1600	792.5	735.90647
Lead 210, Dissolved	pCi/L			<1	<1	13	-0.6 j	4	2	<1	13	3.35	6.4541976
Polonium 210, Dissolved	pCi/L			1.3	4.1	<1	0.1 j	4	1	<1	4.1	1.5	1.8036999
Radium 226, Dissolved	pCi/L	5		8.5	8.1	8.8	8	4	0	8	8.8	8.35	0.3696846
Thorium 230, Dissolved	pCi/L			<0.2	<0.2	<0.2	0.1 j	4	3	<0.2	0.1	0.1	0
Radionuclides, Suspended													
Lead 210, Suspended	pCi/L			<1	<1	7.9	-1.1 j	4	2	<1	7.9	1.95	4.0377386
Polonium 210, Suspended	pCi/L			<1	<1	<1	0.2 j	4	3	<1	0.2	0.425	0.15
Radium 226, Suspended	pCi/L	5		<0.2	<0.2	<0.9	0 j	4	3	<0.2	0	0.1625	0.1973787
Thorium 230, Suspended	pCi/L			<0.2	<0.2	<0.2	0 j	4	3	<0.2	0	0.075	0.05
Radionuclides, Total													
Lead 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Polonium 210, Total	pCi/L			<1	NM	NM	NM	1	1	<1	<1	<1	---
Radium 226, Total	pCi/L	5		6.3	NM	NM	NM	1	0	6.3	6.3	6.3	---
Radon 222, Total	pCi/L			NM	938	752	1270	3	0	752	1270	986.66667	262.40681
Thorium 230, Total	pCi/L			<0.2	NM	NM	NM	1	1	<0.2	<0.2	<0.2	---
Data Quality Parameters													
A/C Balance (± 5)	%			-4.65	2.47	-5.62	7.56	4	0	-5.62	7.56	-0.06	6.230222
Anions	meq/l			26.3	26.9	28	26.5	4	0	26.3	28	26.925	0.7588368
Cations	meq/l			23.9	28.2	25	30.9	4	0	23.9	30.9	27	3.1759513
Solids, Total Dissolved Calculated	mg/L			1620	1750	1750	1780	4	0	1620	1780	1725	71.414284
TDS Balance (0.80 - 1.20)	dec. %			1.19	1.09	1.07	1.03	4	0	1.03	1.19	1.095	0.0680686

* 1/2 RL used to calculate the mean and st dev where non-detect data occurred.

NM - not measured in field/not requested for analysis from lab

Analyte concentration exceeds the standard for:

Federal MCL

Secondary Standard

APPENDIX O

Groundwater Quality Analytical Data

Hydro ID	Sample Date	Lab Sample ID	Page
2	09/07	R07090384-002	48
	11/07	R07110146-003	160
	02/08	R08020130-001	402
	05/08	R08050427-003	998
4	02/08	R08020130-002	405
5 (Previously 635)	09/07	R07090384-005	57
	11/07	R07110303-001	228
	02/08	R08020082-001	379
	04/08	R08040364-007	778
7	10/06	R06100076-004	24
	10/07	R07100002-009	130
	11/07	R07110146-002	157
	02/08	R08020220-002	438
	05/08	R08050419-002	963
8	09/07	R07090384-003	51
	11/07	R07110303-005	240
	11/07	R07110303-006	243
	02/08	R08020052-001	316
	05/08	R08050419-003	966
13	10/06	R06100076-005	27
	09/07	R07090385-005	90
	11/07	R07110146-007	172
	02/08	R08020220-004	444
	05/08	R08050251-002	872
16	10/06	R06100076-006	30
	09/07	R07090385-002	81
	11/07	R07110146-010	181
	03/08	R08030315-004	527
	07/08	R08070005-001	1146
18	10/06	R06100076-001	15
	09/07	R07090384-001	45
	11/07	R07110146-004	163
	11/07	R07110146-005	166
	02/08	R08020130-003	408
	05/08	R08050427-001	992
41	10/06	R06100076-003	21
42	10/06	R06100076-002	18
	10/07	R07100002-003	112
	11/07	R07110146-006	169
	02/08	R08020052-004	328
	05/08	R08050427-002	995
49	07/08	R08070035-003	1178
135	03/08	R08030154-001	470
	03/08	R08030154-002	472

Hydro ID	Sample Date	Lab Sample ID	Page
615	04/08	R08040028-001	604
	04/08	R08040028-002	607
	04/08	R08040250-004	667
	05/08	R08050406-005	941
	06/08	R08060452-002	1117
	07/08	R08070244-002	1290
	08/08	R08080332-004	1416
	09/08	R08090314-005	1468
	10/08	R08100295-010	1591
	11/08	R08110211-013	1670
	12/08	R08120255-013	1742
	01/09	R09010301-004	1810
	02/09	R09020293-009	1939
619	09/07	R07090385-001	78
	11/07	R07110146-008	175
	03/08	R08030253-002	489
	06/08	R08060335-001	1041
622	04/08	R08040028-003	610
	04/08	R08040250-003	663
	05/08	R08050406-004	938
	06/08	R08060452-001	1114
	07/08	R08070244-001	1287
	08/08	R08080332-003	1413
	09/08	R08090314-004	1465
	10/08	R08100295-006	1579
	11/08	R08110211-014	1673
	12/08	R08120255-008	1727
	01/09	R09010301-002	1804
	01/09	R09010301-003	1807
	02/09	R09020293-008	1935
628	10/07	R07100002-001	106
	11/07	R07110184-001	200
	02/08	R08020220-005	447
	05/08	R08050419-004	969
631	09/07	R07090384-004	54
	11/07	R07110184-004	209
	02/08	R08020220-003	441
	05/08	R08050251-001	869

Hydro ID	Sample Date	Lab Sample ID	Page
650	10/07	R07100002-010	133
	11/07	R07110146-009	178
	03/08	R08030253-001	486
	05/08	R08050427-004	1001
675	10/07	R07100002-002	109
	11/07	R07110303-007	246
	02/08	R08020052-002	322
	04/08	R08040364-004	767
	04/08	R08040364-005	771
676	10/07	R07100002-005	118
	11/07	R07110303-002	231
	02/08	R08020052-007	343
	04/08	R08040364-001	756
677	10/07	R07100002-004	115
	11/07	R07110303-004	237
	02/08	R08020052-003	325
	04/08	R08040364-003	763
678	10/07	R07100002-007	124
	11/07	R07110303-003	234
	02/08	R08020052-005	331
	02/08	R08020052-006	337
	04/08	R08040364-002	759
679	10/07	R07100002-006	121
	11/07	R07110184-003	206
	02/08	R08020006-001	296
	05/08	R08050229-002	848
680	01/08	R08010296-001	269
	04/08	R08040002-002	571
	04/08	R08040250-007	679
	05/08	R08050199-001	823
	05/08	R08050321-002	899
	06/08	R08060210-001	1016
	07/08	R08070115-002	1222
	08/08	R08080332-002	1410
	09/08	R08090314-001	1456
	09/08	R08090314-002	1459
	10/08	R08100295-002	1567
	10/08	R08100295-003	1570
	11/08	R08110211-005	1646
	12/08	R08120255-007	1724
	01/09	R09010301-011	1831
	02/09	R09020293-007	1932

Hydro ID	Sample Date	Lab Sample ID	Page
681	01/08	R08010296-002	272
	03/08	R08030315-008	539
	04/08	R08040250-006	675
	05/08	R08050143-001	801
	05/08	R08050229-001	845
	06/08	R08060452-003	1120
	07/08	R08070035-005	1184
	07/08	R08070244-009	1311
	08/08	R08080301-004	1380
	09/08	R08090356-002	1495
	10/08	R08100295-009	1588
	11/08	R08110211-012	1667
	12/08	R08120255-002	1709
	01/09	R09010301-007	1819
	02/09	R09020293-011	1947
682	07/08	R08070115-003	1225
684	07/08	R08070115-004	1228
685	07/08	R08070035-007	1190
686	07/08	R08070115-007	1237
687	07/08	R08070035-004	1181
688	04/08	R08040058-001	634
	04/08	R08040287-002	709
	06/08	R08060210-002	1019
	07/08	R08070005-002	1149
	07/08	R08070115-006	1234
	07/08	R08070471-001	1351
	08/08	R08080332-001	1407
	10/08	R08100014-001	1542
	10/08	R08100295-005	1576
	11/08	R08110211-004	1643
	12/08	R08120281-001	1777
	01/09	R09010301-012	1834
	02/09	R09020293-006	1928

Hydro ID	Sample Date	Lab Sample ID	Page
689	03/08	R08030315-007	536
	04/08	R08040250-005	671
	05/08	R08050406-006	944
	06/08	R08060452-004	1123
	07/08	R08070035-006	1187
	07/08	R08070244-008	1308
	08/08	R08080301-005	1383
	09/08	R08090356-001	1492
	10/08	R08100295-008	1585
	11/08	R08110211-011	1664
	12/08	R08120255-003	1712
	01/09	R09010301-008	1822
	02/09	R09020293-010	1943
690	07/08	R08070115-005	1231
691	07/08	R08070035-002	1175
692	07/08	R08070115-001	1219
693	07/08	R08070035-001	1172
694 (Previously 696)	04/08	R08040002-001	565
	04/08	R08040287-007	728
	05/08	R08050321-001	896
	06/08	R08060427-002	1068
	07/08	R08070244-004	1296
	08/08	R08080332-006	1422
	09/08	R08090356-006	1507
	10/08	R08100295-014	1603
	11/08	R08110211-002	1637
	12/08	R08120255-012	1739
	01/09	R09010301-013	1837
	02/09	R09020293-015	1962
695	04/08	R08040002-003	577
	04/08	R08040287-001	705
	05/08	R08050321-003	902
	06/08	R08060427-004	1074
	07/08	R08070244-003	1293
	08/08	R08080332-005	1419
	09/08	R08090356-007	1510
	10/08	R08100295-012	1597
	11/08	R08110211-009	1658
	12/08	R08120255-010	1733
	01/09	R09010301-005	1813
	02/09	R09020293-013	1954

Hydro ID	Sample Date	Lab Sample ID	Page
696 (Previously 694)	03/08	R08030315-001	518
	04/08	R08040250-001	655
	04/08	R08040250-002	659
	05/08	R08050321-004	905
	06/08	R08060427-003	1071
	07/08	R08070244-005	1299
	08/08	R08080332-007	1425
	09/08	R08090356-005	1504
	10/08	R08100295-013	1600
	11/08	R08110211-003	1640
	11/08	R08110211-006	1649
	12/08	R08120255-011	1736
	01/09	R09010301-014	1840
	02/09	R09020293-014	1958
697	03/08	R08030315-006	533
	04/08	R08040287-005	721
	05/08	R08050321-005	908
	06/08	R08060427-005	1077
	07/08	R08070244-006	1302
	07/08	R08070244-007	1305
	08/08	R08080332-008	1428
	09/08	R08090356-004	1501
	10/08	R08100295-011	1594
	11/08	R08110211-010	1661
	12/08	R08120255-009	1730
	01/09	R09010301-006	1816
	02/09	R09020293-012	1950
698	03/08	R08030315-002	521
	03/08	R08030315-003	524
	04/08	R08040287-004	717
	05/08	R08050406-001	929
	05/08	R08050406-002	932
	06/08	R08060427-001	1065
	07/08	R08070244-010	1314
	08/08	R08080301-003	1377
	09/08	R08090314-003	1462
	10/08	R08100295-004	1573
	11/08	R08110211-008	1655
	12/08	R08120255-005	1718
	12/08	R08120255-006	1721
	01/09	R09010301-009	1825
	02/09	R09020293-004	1920
	02/09	R09020293-005	1924
703	01/09	R09010302-001	1888
704	09/08	R08090356-003	1498
	02/09	R09020293-002	1912

Hydro ID	Sample Date	Lab Sample ID	Page
705	01/10	R10010180-001	1991
	02/10	R10020266-001	2024
	02/10	R10020266-002	2027
	03/10	R10030205-002	2063
	04/10	R10040303-001	2097
	05/10	R10050253-001	2117
	06/10	R10060444-001	2149
	07/10	R10070459-002	2184
	08/10	R10080398-001	2216
	09/10	R10090519-001	2245
	10/10	R10100355-001	2275
	11/10	R10110179-002	2314
	12/10	R10120179-001	2346
706	01/10	R10010180-002	1995
	03/10	R10030205-001	2059
	03/10	R10030205-003	2067
	04/10	R10040303-002	2100
	05/10	R10050253-002	2121
	06/10	R10060444-002	2152
	07/10	R10070459-001	2181
	07/10	R10070459-003	2187
	08/10	R10080398-002	2219
	09/10	R10090519-002	2248
	10/10	R10100355-002	2278
	11/10	R10110179-001	2311
	11/10	R10110179-003	2317
	12/10	R10120179-002	2349
3026	03/08	R08030315-009	542
	04/08	R08040287-003	713
	05/08	R08050406-003	935
	06/08	R08060427-006	1080
	07/08	R08070220-001	1264
	08/08	R08080301-001	1371
	08/08	R08080301-002	1374
	09/08	R08090356-008	1513
	10/08	R08100295-007	1582
	11/08	R08110211-007	1652
	12/08	R08120255-004	1715
	01/09	R09010301-010	1828
	02/09	R09020293-003	1916
4002	09/07	R07090385-003	84
	09/07	R07090385-004	87
	11/07	R07110184-002	203
	02/08	R08020130-004	411
	05/08	R08050251-003	875

Hydro ID	Sample Date	Lab Sample ID	Page
7002	10/07	R07100002-008	127
	11/07	R07110146-001	154
	02/08	R08020220-001	435
	05/08	R08050419-001	960
BK02	11/07	R07110303-008	249
BLK01	02/08	R08020052-008	346
	03/08	R08030315-005	530
	04/08	R08040028-004	613
	04/08	R08040287-006	725
	04/08	R08040364-006	775
	06/08	R08060427-007	1083
	07/08	R08070244-011	1317
	08/08	R08080332-009	1431
	09/08	R08090356-009	1516
	10/08	R08100295-001	1564
	11/08	R08110211-001	1634
	12/08	R08120255-001	1706
	01/09	R09010301-001	1801
	02/09	R09020293-001	1909

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10/31/06

ANALYTICAL SUMMARY REPORT

October 30, 2006

Richard Blubaugh
Powertech Uranium
6200 S Troy Circle
Suite 150
Centennial, CO 80111

Workorder No.: R06100076

Project Name: Fall River County Water Sampling

Energy Laboratories Inc. received the following 6 samples from Powertech Uranium on 10/4/2006 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R06100076-001	#1 Anderson	10/03/06 10:07	10/04/06	Aqueous	Metals by ICP/ICPMS, Dissolved Alkalinity Conductivity Mercury, Total Hydrocarbons, Total Petroleum Anions by Ion Chromatography Cations by ICP Nitrogen, Ammonia pH Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Dissolved Gross Beta, Dissolved Gross Gamma, Dissolved Radium 226 Radium 228 Radon 222 Solids, Total Dissolved
R06100076-002	#2 Putnam	10/03/06 10:18	10/04/06	Aqueous	Same As Above
R06100076-003	#3 Unknown	10/03/06 10:49	10/04/06	Aqueous	Same As Above
R06100076-004	#4 Kenobbie	10/03/06 11:12	10/04/06	Aqueous	Metals by ICP/ICPMS, Dissolved Alkalinity Conductivity Mercury, Total Hydrocarbons, Total Petroleum Anions by Ion Chromatography Cations by ICP Nitrogen, Ammonia pH Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Dissolved Gross Beta, Dissolved Gross Gamma, Dissolved Radium 226 Radium 228 Solids, Total Dissolved

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R06100076-005 #5 Spence	10/03/06 11:36	10/04/06	Aqueous	Metals by ICP/ICPMS, Dissolved Alkalinity Conductivity Mercury, Total Hydrocarbons, Total Petroleum Anions by Ion Chromatography Cations by ICP Nitrogen, Ammonia pH Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Dissolved Gross Beta, Dissolved Gross Gamma, Dissolved Radium 226 Radium 228 Radon 222 Solids, Total Dissolved
R06100076-006 #6 Daniels	10/03/06 12:00	10/04/06	Aqueous	Same As Above

Thank you for submitting your samples to Energy Laboratories, Inc. - Rapid City. The following pages contain the results of the sample tests listed above and applicable analytical notes.

The samples were analyzed in accordance with the methods specified on the analytical reports. All analyses were accompanied by appropriate quality control samples throughout the test. Where applicable, the results of these quality control samples will be included, following your analytical data.

If you have any questions regarding the analyses performed or the results of these analyses, please contact Energy Laboratories Inc. - Rapid City at (605) 342-1225, (888) 672-1225 or Rapid_City@energylab.com.

Report Approved By: Kurt Slentz

Kurt Slentz
Project Manager

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CASE NARRATIVE

The following Case Narrative contains exceptions or comments pertaining to the analysis of samples submitted by Powertech Uranium on 10/4/2006. These samples were assigned ELI Workorder Number R06100076.

This case narrative is used to explain any exceptions to the analyses performed for your sample(s). In accordance with Good Analytical Laboratory Practices (GALP), samples requiring data qualifiers or analytical modifications are explained herein.

All samples were analyzed in accordance with prescribed methodology, except were noted. Samples are accompanied by appropriate quality assurance/quality control (QA/QC) samples throughout the analytical process.

During the course of analyzing your sample(s) the following exceptions were noted.
- Any exceptions noted are listed in the Analytical Report

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

BRANCH LABORATORY IDENTIFIERS
eli-b - Energy Laboratories, Inc. - Billings, MT, EPA # MT00005
eli-c - Energy Laboratories, Inc. - Casper, WY, EPA# WY00002
eli-f - Energy Laboratories, Inc. - Idaho Falls, ID, EPA # ID00942
eli-g - Energy Laboratories, Inc. - Gillette, WY, EPA# WY00006
eli-h - Energy Laboratories, Inc. - Helena, MT, EPA# MT00945
eli-t - Energy Laboratories, Inc. - College Station, TX, EPA# TX01520

For additional information, including certifications, and analytical services visit our web page www.energylab.com.

If you have questions regarding this information, please feel free to contact us at (888)672-1225, (605)342-1225 or rapid_city@energylab.com.

Comments imported for SUBBED Workorder: C06100328

Bismuth-214 and Lead-214 activities in samples R06100076-002, R06100076-003, and R06100076-006 are elevated compared to the Radium-226 activity. This mismatch of Bismuth-214 and Lead-214 results (by gamma spectrometry – EPA 901.1) compared to the Radium-226 results (by precipitation – EPA 903.0) are attributable to the elevated Radon-222 levels contained within the sample. The gamma spectrometry was performed relatively close to the date of sampling (the reference date). Radon measurements are performed as close as possible to the sampling date due to the short half-life of the isotope and holding time. To expedite the analytical process and timeliness, gamma spectrometry is performed first (and returned to the container upon completion) so there is enough sample remaining to perform the subsequent measurements (Ra-226, Ra-228, alpha/beta, etc.). If the reverse was done, it is likely that that the gamma measurement would not have enough sample volume to meet the required detection limit.

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Date: 30-Oct-06

CLIENT: Powertech Uranium
Project: Fall River County Water Sampling
Sample Delivery Group: R06100076

CASE NARRATIVE

This case narrative is used to explain any exceptions to the analyses performed for your sample(s). In accordance with Good Analytical Laboratory Practices (GALP), samples requiring data qualifiers or analytical modifications are explained herein.

All samples were analyzed in accordance with prescribed methodology, except were noted. Samples are accompanied by appropriate quality assurance/quality control (QA/QC) samples throughout the analytical process.

During the course of analyzing your sample(s) the following exceptions were noted.
- Any exceptions noted are listed in the Analytical Report

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eli-f - Energy Laboratories, Inc. - Idaho Falls, ID, EPA # ID00942
eli-g - Energy Laboratories, Inc. - Gillette, WY, EPA# WY00006
eli-h - Energy Laboratories, Inc. - Helena, MT, EPA# MT00945
eli-t - Energy Laboratories, Inc. - College Station, TX, EPA# TX01520

For additional information, including certifications, and analytical services visit our web page www.energylab.com.

If you have questions regarding this information, please feel free to contact us at (888)672-1225, (605)342-1225 or rapid_city@energylab.com.

Comments imported for SUBBED Workorder: C06100328

Bismuth-214 and Lead-214 activities in samples R06100076-002, R06100076-003, and R06100076-006 are elevated compared to the Radium-226 activity. This mismatch of Bismuth-214 and Lead-214 results (by gamma spectrometry – EPA 901.1) compared to the Radium-226 results (by precipitation – EPA 903.0) are attributable to the elevated Radon-222 levels contained within the sample. The gamma spectrometry was performed relatively close to the date of sampling (the reference date). Radon measurements are performed as close as possible to the sampling date due to the short half-life of the isotope and holding time. To expedite the analytical process and timeliness, gamma spectrometry is performed first (and returned to the container upon completion) so there is enough sample remaining to perform the subsequent measurements (Ra-226, Ra-228, alpha/beta, etc.). If the reverse was done, it is likely that that the gamma measurement would not have enough sample volume to meet the required detection limit.

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Energy Laboratories Inc.

Date: *27-Oct-06*

CLIENT: Powertech Uranium
Project: Fall River County Water Sampling
Lab Order: R06100076

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Collection Date	Date Received
R06100076-001	#1 Anderson	10/3/2006 10:07:00 AM	10/4/2006
R06100076-002	#2 Putnam	10/3/2006 10:18:00 AM	10/4/2006
R06100076-003	#3 Unknown	10/3/2006 10:49:00 AM	10/4/2006
R06100076-004	#4 Kenobbie	10/3/2006 11:12:00 AM	10/4/2006
R06100076-005	#5 Spence	10/3/2006 11:36:00 AM	10/4/2006
R06100076-006	#6 Daniels	10/3/2006 12:00:00 PM	10/4/2006

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LABORATORY ANALYTICAL REPORT

Client: Powertech Uranium
Project: Fall River County Water Sampling
Lab ID: R06100076-001
Client Sample ID: #1 Anderson

Report Date: 10/27/06
Collection Date: 10/03/06 10:07
Date Received: 10/04/06
Matrix: AQUEOUS

GW18

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
PHYSICAL PARAMETERS								
Alkalinity, Total as CaCO3	180	mg/L		5		1	A2320 B	10/06/06 11:45/JMH
Bicarbonate as HCO3	220	mg/L		5		1	A2320 B	10/06/06 11:45/JMH
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/06/06 11:45/JMH
Conductivity @ 25 C	1430	umhos/cm		5		1	A2510 B	10/07/06 14:25/AH
pH	8.11	s.u.		0.01		1	A4500-H B	10/07/06 14:17/AH
Solids, Total Dissolved TDS @ 180 C	950	mg/L		5		1	A2540 C	10/05/06 14:18/AH
INORGANIC PARAMETERS								
Calcium	34	mg/L		1		1	E200.7	10/19/06 14:14/SN
Chloride	14	mg/L		0.50		1	E300.0	10/05/06 19:13/JMH
Fluoride	0.38	mg/L		0.10		1	E300.0	10/05/06 19:13/JMH
Magnesium	12	mg/L		1		1	E200.7	10/19/06 14:14/SN
Nitrogen, Nitrate as N	ND	mg/L		0.10		1	E300.0	10/05/06 19:13/JMH
Potassium	7	mg/L		1		1	E200.7	10/19/06 14:14/SN
Sodium	260	mg/L		1		1	E200.7	10/19/06 14:14/SN
Sulfate	481	mg/L	D	7.2		10	E300.0	10/06/06 21:29/JMH
Silicon as SiO2	7	mg/L		2		1	E200.7	10/19/06 14:14/SN
NUTRIENT PARAMETERS								
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	10/05/06 16:40/JMH
RADIONUCLIDES - DISSOLVED								
Actinium 228	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Americium 241	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Bismuth 212	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Iodine 125	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Iodine 131	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Manganese 54	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Radium 223	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Radium 226	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Thallium 208	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Barium 133	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Bismuth 214	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Cesium 134	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Cesium 137	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Cobalt 60	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Gross Alpha	37	pCi/L		1.0		1	E900.0	10/20/06 10:00/eli-c
Gross Alpha precision (±)	1.0	pCi/L				1	E900.0	10/20/06 10:00/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: Powertech Uranium
Project: Fall River County Water Sampling
Lab ID: R06100076-001
Client Sample ID: #1 Anderson

Report Date: 10/27/06
Collection Date: 10/03/06 10:07
Date Received: 10/04/06
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED								
Gross Beta	14	pCi/L		2.0		1	E900.0	10/25/06 05:29/eli-c
Gross Beta precision (±)	1.6	pCi/L				1	E900.0	10/25/06 05:29/eli-c
Lead 212	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Lead 214	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Potassium 40	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Radium 224	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Radium 228	2.3	pCi/L		1.0		1	RA-05	10/17/06 16:18/eli-c
Radium 228	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Radium 228 precision (±)	1.2	pCi/L				1	RA-05	10/17/06 16:18/eli-c
Thorium 228	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Thorium 234	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Uranium 238	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Zinc 65	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Radium 226	5.8	pCi/L		0.2		1	E903.0	10/23/06 11:25/eli-c
Radium 226 precision (±)	1.2	pCi/L				1	E903.0	10/23/06 11:25/eli-c
Gross Gamma	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	762	pCi/L		100		1	D5072-92	10/06/06 17:49/eli-c
Radon 222 precision (±)	69.3	pCi/L				1	D5072-92	10/06/06 17:49/eli-c
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.001		1	E245.1	10/17/06 12:00/eli-ca
DISSOLVED METALS ANALYSES								
Aluminum	ND	mg/L		0.10		1	E200.8	10/16/06 23:09/eli-c
Arsenic	ND	mg/L		0.01		1	E200.8	10/16/06 23:09/eli-c
Barium	ND	mg/L		0.10		1	E200.8	10/16/06 23:09/eli-c
Boron	ND	mg/L		0.10		1	E200.7	10/20/06 15:42/eli-c
Cadmium	ND	mg/L		0.001		1	E200.8	10/16/06 23:09/eli-c
Chromium	ND	mg/L		0.01		1	E200.8	10/16/06 23:09/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/17/06 22:10/eli-c
Iron	ND	mg/L		0.03		1	E200.7	10/20/06 15:42/eli-c
Lead	ND	mg/L		0.01		1	E200.8	10/16/06 23:09/eli-c
Manganese	0.06	mg/L		0.01		1	E200.8	10/16/06 23:09/eli-c
Molybdenum	ND	mg/L		0.005		1	E200.8	10/16/06 23:09/eli-c
Nickel	0.03	mg/L		0.01		1	E200.8	10/16/06 23:09/eli-c
Selenium	ND	mg/L		0.005		1	E200.8	10/16/06 23:09/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: Powertech Uranium
Project: Fall River County Water Sampling
Lab ID: R06100076-001
Client Sample ID: #1 Anderson

Report Date: 10/27/06
Collection Date: 10/03/06 10:07
Date Received: 10/04/06
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DISSOLVED METALS ANALYSES								
Silver	ND	mg/L		0.005		1	E200.8	10/16/06 23:09/eli-c
Uranium	0.007	mg/L		0.001		1	E200.8	10/16/06 23:09/eli-c
Vanadium	ND	mg/L		0.10		1	E200.8	10/16/06 23:09/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	10/16/06 23:09/eli-c
ORGANIC CHARACTERISTICS								
Non-polar Materials (SGT-HEM)	ND	mg/L		5.0		1	SW1664A	10/19/06 13:18/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: Powertech Uranium
Project: Fall River County Water Sampling
Lab ID: R06100076-002
Client Sample ID: #2 Putnam

Report Date: 10/27/06
Collection Date: 10/03/06 10:18
Date Received: 10/04/06
Matrix: AQUEOUS

GW42

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
PHYSICAL PARAMETERS								
Alkalinity, Total as CaCO3	180	mg/L		5		1	A2320 B	10/06/06 11:52/JMH
Bicarbonate as HCO3	220	mg/L		5		1	A2320 B	10/06/06 11:52/JMH
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/06/06 11:52/JMH
Conductivity @ 25 C	1410	umhos/cm		5		1	A2510 B	10/07/06 14:26/AH
pH	8.01	s.u.		0.01		1	A4500-H B	10/07/06 14:17/AH
Solids, Total Dissolved TDS @ 180 C	940	mg/L		5		1	A2540 C	10/05/06 14:19/AH
INORGANIC PARAMETERS								
Calcium	35	mg/L		1		1	E200.7	10/19/06 14:18/SN
Chloride	14	mg/L		0.50		1	E300.0	10/05/06 19:59/JMH
Fluoride	0.39	mg/L		0.10		1	E300.0	10/05/06 19:59/JMH
Magnesium	12	mg/L		1		1	E200.7	10/19/06 14:18/SN
Nitrogen, Nitrate as N	ND	mg/L		0.10		1	E300.0	10/05/06 19:59/JMH
Potassium	7	mg/L		1		1	E200.7	10/19/06 14:18/SN
Sodium	250	mg/L		1		1	E200.7	10/19/06 14:18/SN
Sulfate	473	mg/L	D	7.2		10	E300.0	10/06/06 22:15/JMH
Silicon as SiO2	7	mg/L		2		1	E200.7	10/19/06 14:18/SN
NUTRIENT PARAMETERS								
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	10/05/06 16:43/JMH
RADIONUCLIDES - DISSOLVED								
Actinium 228	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Americium 241	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Bismuth 212	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Iodine 125	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Iodine 131	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Manganese 54	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Radium 223	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Thallium 208	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Barium 133	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Bismuth 214	1600	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Bismuth 214 precision (±)	64	pCi/L				1	E901.1	10/11/06 14:50/eli-c
Cesium 134	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Cesium 137	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Cobalt 60	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Gross Alpha	560	pCi/L		1.0		1	E900.0	10/20/06 10:00/eli-c
Gross Alpha precision (±)	3.2	pCi/L				1	E900.0	10/20/06 10:00/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: Powertech Uranium
Project: Fall River County Water Sampling
Lab ID: R06100076-002
Client Sample ID: #2 Putnam

Report Date: 10/27/06
Collection Date: 10/03/06 10:18
Date Received: 10/04/06
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED								
Gross Beta	110	pCi/L		2.0		1	E900.0	10/25/06 05:29/eli-c
Gross Beta precision (±)	2.7	pCi/L				1	E900.0	10/25/06 05:29/eli-c
Lead 212	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Lead 214	1800	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Lead 214 precision (±)	70	pCi/L				1	E901.1	10/11/06 14:50/eli-c
Potassium 40	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Radium 224	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Radium 228	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Radium 228	ND	pCi/L		1.0		1	RA-05	10/17/06 16:18/eli-c
Thorium 228	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Thorium 234	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Uranium 238	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Zinc 65	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Radium 226	87.6	pCi/L		0.2		1	E903.0	10/23/06 11:25/eli-c
Radium 226 precision (±)	3.1	pCi/L				1	E903.0	10/23/06 11:25/eli-c
Radium 226	1600	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Radium 226 precision (±)	64	pCi/L				1	E901.1	10/11/06 14:50/eli-c
Gross Gamma	3400	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Gross Gamma precision (±)	130	pCi/L				1	E901.1	10/11/06 14:50/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	197000	pCi/L		100		1	D5072-92	10/06/06 17:49/eli-c
Radon 222 precision (±)	581	pCi/L				1	D5072-92	10/06/06 17:49/eli-c
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.001		1	E245.1	10/17/06 12:02/eli-ca
DISSOLVED METALS ANALYSES								
Aluminum	ND	mg/L		0.10		1	E200.8	10/16/06 23:16/eli-c
Arsenic	ND	mg/L		0.01		1	E200.8	10/16/06 23:16/eli-c
Barium	ND	mg/L		0.10		1	E200.8	10/16/06 23:16/eli-c
Boron	ND	mg/L		0.10		1	E200.7	10/20/06 16:05/eli-c
Cadmium	ND	mg/L		0.001		1	E200.8	10/16/06 23:16/eli-c
Chromium	ND	mg/L		0.01		1	E200.8	10/16/06 23:16/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/17/06 23:10/eli-c
Iron	ND	mg/L		0.03		1	E200.7	10/20/06 16:05/eli-c
Lead	ND	mg/L		0.01		1	E200.8	10/16/06 23:16/eli-c
Manganese	0.08	mg/L		0.01		1	E200.8	10/16/06 23:16/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: Powertech Uranium
Project: Fall River County Water Sampling
Lab ID: R06100076-002
Client Sample ID: #2 Putnam

Report Date: 10/27/06
Collection Date: 10/03/06 10:18
Date Received: 10/04/06
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DISSOLVED METALS ANALYSES								
Molybdenum	ND	mg/L		0.005		1	E200.8	10/16/06 23:16/eli-c
Nickel	0.02	mg/L		0.01		1	E200.8	10/16/06 23:16/eli-c
Selenium	ND	mg/L		0.005		1	E200.8	10/16/06 23:16/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/16/06 23:16/eli-c
Uranium	0.04	mg/L		0.001		1	E200.8	10/16/06 23:16/eli-c
Vanadium	ND	mg/L		0.10		1	E200.8	10/16/06 23:16/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	10/16/06 23:16/eli-c
ORGANIC CHARACTERISTICS								
Non-polar Materials (SGT-HEM)	ND	mg/L		5.0		1	SW1664A	10/19/06 13:19/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: Powertech Uranium
Project: Fall River County Water Sampling
Lab ID: R06100076-003
Client Sample ID: #3 Unknown

Report Date: 10/27/06
Collection Date: 10/03/06 10:49
Date Received: 10/04/06
Matrix: AQUEOUS

GW41

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
PHYSICAL PARAMETERS								
Alkalinity, Total as CaCO3	180	mg/L		5		1	A2320 B	10/06/06 11:58/JMH
Bicarbonate as HCO3	220	mg/L		5		1	A2320 B	10/06/06 11:58/JMH
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/06/06 11:58/JMH
Conductivity @ 25 C	1380	umhos/cm		5		1	A2510 B	10/07/06 14:27/AH
pH	7.92	s.u.		0.01		1	A4500-H B	10/07/06 14:18/AH
Solids, Total Dissolved TDS @ 180 C	910	mg/L		5		1	A2540 C	10/05/06 14:20/AH
INORGANIC PARAMETERS								
Calcium	41	mg/L		1		1	E200.7	10/19/06 14:21/SN
Chloride	14	mg/L		0.50		1	E300.0	10/05/06 20:14/JMH
Fluoride	0.37	mg/L		0.10		1	E300.0	10/05/06 20:14/JMH
Magnesium	16	mg/L		1		1	E200.7	10/19/06 14:21/SN
Nitrogen, Nitrate as N	ND	mg/L		0.10		1	E300.0	10/05/06 20:14/JMH
Potassium	8	mg/L		1		1	E200.7	10/19/06 14:21/SN
Sodium	230	mg/L		1		1	E200.7	10/19/06 14:21/SN
Sulfate	458	mg/L	D	7.2		10	E300.0	10/06/06 23:01/JMH
Silicon as SiO2	7	mg/L		2		1	E200.7	10/19/06 14:21/SN
NUTRIENT PARAMETERS								
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	10/05/06 16:44/JMH
RADIONUCLIDES - DISSOLVED								
Actinium 228	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Americium 241	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Bismuth 212	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Iodine 125	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Iodine 131	ND	pCi/L		20		1	E901 1	10/11/06 14:50/eli-c
Manganese 54	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Radium 223	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Thallium 208	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Barium 133	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Bismuth 214	210	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Bismuth 214 precision (±)	48	pCi/L				1	E901.1	10/11/06 14:50/eli-c
Cesium 134	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Cesium 137	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Cobalt 60	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Gross Alpha	88	pCi/L		1.0		1	E900.0	10/20/06 10:00/eli-c
Gross Alpha precision (±)	1.4	pCi/L				1	E900.0	10/20/06 10:00/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: Powertech Uranium
Project: Fall River County Water Sampling
Lab ID: R06100076-003
Client Sample ID: #3 Unknown

Report Date: 10/27/06
Collection Date: 10/03/06 10:49
Date Received: 10/04/06
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED								
Gross Beta	32	pCi/L		2.0		1	E900.0	10/25/06 05:29/eli-c
Gross Beta precision (±)	1.8	pCi/L				1	E900.0	10/25/06 05:29/eli-c
Lead 212	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Lead 214	190	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Lead 214 precision (±)	37	pCi/L				1	E901.1	10/11/06 14:50/eli-c
Potassium 40	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Radium 224	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Radium 228	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Radium 228	ND	pCi/L		1.0		1	RA-05	10/17/06 16:18/eli-c
Thorium 228	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Thorium 234	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Uranium 238	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Zinc 65	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Radium 226	16.5	pCi/L		0.2		1	E903.0	10/23/06 11:25/eli-c
Radium 226 precision (±)	1.4	pCi/L				1	E903.0	10/23/06 11:25/eli-c
Radium 226	210	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Radium 226 precision (±)	48	pCi/L				1	E901.1	10/11/06 14:50/eli-c
Gross Gamma	410	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Gross Gamma precision (±)	85	pCi/L				1	E901.1	10/11/06 14:50/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	9670	pCi/L		100		1	D5072-92	10/06/06 17:49/eli-c
Radon 222 precision (±)	141	pCi/L				1	D5072-92	10/06/06 17:49/eli-c
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.001		1	E245.1	10/17/06 12:04/eli-ca
DISSOLVED METALS ANALYSES								
Aluminum	ND	mg/L		0.10		1	E200.8	10/16/06 23:24/eli-c
Arsenic	ND	mg/L		0.01		1	E200.8	10/16/06 23:24/eli-c
Barium	ND	mg/L		0.10		1	E200.8	10/16/06 23:24/eli-c
Boron	ND	mg/L		0.10		1	E200.7	10/20/06 16:09/eli-c
Cadmium	ND	mg/L		0.001		1	E200.8	10/16/06 23:24/eli-c
Chromium	ND	mg/L		0.01		1	E200.8	10/16/06 23:24/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/17/06 23:18/eli-c
Iron	ND	mg/L		0.03		1	E200.7	10/20/06 16:09/eli-c
Lead	ND	mg/L		0.01		1	E200.8	10/16/06 23:24/eli-c
Manganese	0.10	mg/L		0.01		1	E200.8	10/16/06 23:24/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: Powertech Uranium
Project: Fall River County Water Sampling
Lab ID: R06100076-003
Client Sample ID: #3 Unknown

Report Date: 10/27/06
Collection Date: 10/03/06 10:49
Date Received: 10/04/06
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DISSOLVED METALS ANALYSES								
Molybdenum	ND	mg/L		0.005		1	E200.8	10/16/06 23:24/eli-c
Nickel	0.02	mg/L		0.01		1	E200.8	10/16/06 23:24/eli-c
Selenium	ND	mg/L		0.005		1	E200.8	10/16/06 23:24/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/16/06 23:24/eli-c
Uranium	0.007	mg/L		0.001		1	E200.8	10/16/06 23:24/eli-c
Vanadium	ND	mg/L		0.10		1	E200.8	10/16/06 23:24/eli-c
Zinc	0.01	mg/L		0.01		1	E200.8	10/16/06 23:24/eli-c
ORGANIC CHARACTERISTICS								
Non-polar Materials (SGT-HEM)	ND	mg/L		5.0		1	SW1664A	10/19/06 13:19/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: Powertech Uranium
Project: Fall River County Water Sampling
Lab ID: R06100076-004
Client Sample ID: #4 Kenobbie

Report Date: 10/27/06
Collection Date: 10/03/06 11:12
Date Received: 10/04/06
Matrix: AQUEOUS

GW7

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
PHYSICAL PARAMETERS								
Alkalinity, Total as CaCO3	170	mg/L		5		1	A2320 B	10/06/06 12:01/JMH
Bicarbonate as HCO3	210	mg/L		5		1	A2320 B	10/06/06 12:01/JMH
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/06/06 12:01/JMH
Conductivity @ 25 C	1530	umhos/cm		5		1	A2510 B	10/07/06 14:29/AH
pH	8.08	s.u.		0.01		1	A4500-H B	10/07/06 14:19/AH
Solids, Total Dissolved TDS @ 180 C	1000	mg/L		5		1	A2540 C	10/05/06 14:21/AH
INORGANIC PARAMETERS								
Calcium	37	mg/L		1		1	E200.7	10/19/06 14:25/SN
Chloride	13	mg/L		0.50		1	E300.0	10/05/06 20:30/JMH
Fluoride	0.37	mg/L		0.10		1	E300.0	10/05/06 20:30/JMH
Magnesium	16	mg/L		1		1	E200.7	10/19/06 14:25/SN
Nitrogen, Nitrate as N	ND	mg/L		0.10		1	E300.0	10/05/06 20:30/JMH
Potassium	10	mg/L		1		1	E200.7	10/19/06 14:25/SN
Sodium	270	mg/L		1		1	E200.7	10/19/06 14:25/SN
Sulfate	546	mg/L	D	7.2		10	E300.0	10/06/06 23:16/JMH
Silicon as SiO2	7	mg/L		2		1	E200.7	10/19/06 14:25/SN
NUTRIENT PARAMETERS								
Nitrogen, Ammonia as N	0.4	mg/L		0.1		1	A4500-NH3 G	10/05/06 16:46/JMH
RADIONUCLIDES - DISSOLVED								
Actinium 228	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Americium 241	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Bismuth 212	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Iodine 125	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Iodine 131	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Manganese 54	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Radium 223	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Thallium 208	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Barium 133	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Bismuth 214	300	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Bismuth 214 precision (±)	18	pCi/L				1	E901.1	10/11/06 14:50/eli-c
Cesium 134	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Cesium 137	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Cobalt 60	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Gross Alpha	17	pCi/L		1.0		1	E900.0	10/20/06 10:00/eli-c
Gross Alpha precision (±)	0.80	pCi/L				1	E900.0	10/20/06 10:00/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: Powertech Uranium
Project: Fall River County Water Sampling
Lab ID: R06100076-004
Client Sample ID: #4 Kenobbie

Report Date: 10/27/06
Collection Date: 10/03/06 11:12
Date Received: 10/04/06
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED								
Gross Beta	16	pCi/L		2.0		1	E900.0	10/25/06 05:29/eli-c
Gross Beta precision (±)	1.6	pCi/L				1	E900.0	10/25/06 05:29/eli-c
Gross Gamma	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Lead 212	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Lead 214	350	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Lead 214 precision (±)	30	pCi/L				1	E901.1	10/11/06 14:50/eli-c
Potassium 40	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Radium 224	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Radium 228	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Radium 228	ND	pCi/L		1.0		1	RA-05	10/17/06 16:18/eli-c
Radium 228 precision (±)	ND	pCi/L				1	E901.1	10/11/06 14:50/eli-c
Thorium 228	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Thorium 234	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Uranium 238	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Zinc 65	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Radium 226	2.6	pCi/L		0.2		1	E903.0	10/23/06 11:25/eli-c
Radium 226 precision (±)	0.6	pCi/L				1	E903.0	10/23/06 11:25/eli-c
Radium 226	300	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Radium 226 precision (±)	18	pCi/L				1	E901.1	10/11/06 14:50/eli-c
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.001		1	E245.1	10/17/06 12:07/eli-ca
DISSOLVED METALS ANALYSES								
Aluminum	ND	mg/L		0.10		1	E200.8	10/17/06 01:54/eli-c
Arsenic	ND	mg/L		0.01		1	E200.8	10/17/06 01:54/eli-c
Barium	ND	mg/L		0.10		1	E200.8	10/17/06 01:54/eli-c
Boron	ND	mg/L		0.10		1	E200.7	10/20/06 16:12/eli-c
Cadmium	ND	mg/L		0.001		1	E200.8	10/17/06 01:54/eli-c
Chromium	ND	mg/L		0.01		1	E200.8	10/17/06 01:54/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/17/06 01:54/eli-c
Iron	ND	mg/L		0.03		1	E200.7	10/20/06 16:12/eli-c
Lead	ND	mg/L		0.01		1	E200.8	10/17/06 01:54/eli-c
Manganese	0.03	mg/L		0.01		1	E200.8	10/17/06 01:54/eli-c
Molybdenum	ND	mg/L		0.005		1	E200.8	10/17/06 01:54/eli-c
Nickel	ND	mg/L		0.01		1	E200.8	10/17/06 01:54/eli-c
Selenium	ND	mg/L		0.005		1	E200.8	10/17/06 01:54/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/17/06 01:54/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: Powertech Uranium
Project: Fall River County Water Sampling
Lab ID: R06100076-004
Client Sample ID: #4 Kenobbie

Report Date: 10/27/06
Collection Date: 10/03/06 11:12
Date Received: 10/04/06
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DISSOLVED METALS ANALYSES								
Uranium	ND	mg/L		0.001		1	E200.8	10/17/06 01:54/eli-c
Vanadium	ND	mg/L		0.10		1	E200.8	10/17/06 01:54/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	10/17/06 01:54/eli-c
ORGANIC CHARACTERISTICS								
Non-polar Materials (SGT-HEM)	ND	mg/L		5.0		1	SW1664A	10/19/06 13:19/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: Powertech Uranium
Project: Fall River County Water Sampling
Lab ID: R06100076-005
Client Sample ID: #5 Spence

Report Date: 10/27/06
Collection Date: 10/03/06 11:36
Date Received: 10/04/06
Matrix: AQUEOUS

GW13

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
PHYSICAL PARAMETERS								
Alkalinity, Total as CaCO3	170	mg/L		5		1	A2320 B	10/06/06 12:13/JMH
Bicarbonate as HCO3	200	mg/L		5		1	A2320 B	10/06/06 12:13/JMH
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/06/06 12:13/JMH
Conductivity @ 25 C	1290	umhos/cm		5		1	A2510 B	10/07/06 14:30/AH
pH	7.93	s.u.		0.01		1	A4500-H B	10/07/06 14:44/AH
Solids, Total Dissolved TDS @ 180 C	880	mg/L		5		1	A2540 C	10/05/06 14:22/AH
INORGANIC PARAMETERS								
Calcium	61	mg/L		1		1	E200.7	10/19/06 14:29/SN
Chloride	11	mg/L		0.50		1	E300.0	10/05/06 20:45/JMH
Fluoride	0.43	mg/L		0.10		1	E300.0	10/05/06 20:45/JMH
Magnesium	22	mg/L		1		1	E200.7	10/19/06 14:29/SN
Nitrogen, Nitrate as N	ND	mg/L		0.10		1	E300.0	10/05/06 20:45/JMH
Potassium	9	mg/L		1		1	E200.7	10/19/06 14:29/SN
Sodium	180	mg/L		1		1	E200.7	10/19/06 14:29/SN
Sulfate	460	mg/L	D	7.2		10	E300.0	10/06/06 23:32/JMH
Silicon as SiO2	7	mg/L		2		1	E200.7	10/19/06 14:29/SN
NUTRIENT PARAMETERS								
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	10/05/06 16:47/JMH
RADIONUCLIDES - DISSOLVED								
Actinium 228	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Americium 241	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Bismuth 212	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Iodine 125	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Iodine 131	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Manganese 54	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Radium 223	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Radium 226	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Thallium 208	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Barium 133	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Bismuth 214	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Cesium 134	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Cesium 137	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Cobalt 60	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Gross Alpha	12	pCi/L		1.0		1	E900.0	10/20/06 10:00/eli-c
Gross Alpha precision (±)	0.70	pCi/L				1	E900.0	10/20/06 10:00/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: Powertech Uranium
Project: Fall River County Water Sampling
Lab ID: R06100076-005
Client Sample ID: #5 Spence

Report Date: 10/27/06
Collection Date: 10/03/06 11:36
Date Received: 10/04/06
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED								
Gross Beta	17	pCi/L		2.0		1	E900.0	10/25/06 05:29/eli-c
Gross Beta precision (±)	1.7	pCi/L				1	E900.0	10/25/06 05:29/eli-c
Lead 212	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Lead 214	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Potassium 40	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Radium 224	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Radium 228	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Radium 228	ND	pCi/L		1.0		1	RA-05	10/17/06 16:18/eli-c
Thorium 228	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Thorium 234	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Uranium 238	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Zinc 65	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Radium 226	2.1	pCi/L		0.2		1	E903.0	10/23/06 11:25/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	10/23/06 11:25/eli-c
Gross Gamma	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Gross Gamma precision (±)	ND	pCi/L				1	E901.1	10/11/06 14:50/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	335	pCi/L		100		1	D5072-92	10/06/06 17:49/eli-c
Radon 222 precision (±)	63.2	pCi/L				1	D5072-92	10/06/06 17:49/eli-c
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.001		1	E245.1	10/17/06 12:09/eli-ca
DISSOLVED METALS ANALYSES								
Aluminum	ND	mg/L		0.10		1	E200.8	10/17/06 02:02/eli-c
Arsenic	ND	mg/L		0.01		1	E200.8	10/17/06 02:02/eli-c
Barium	ND	mg/L		0.10		1	E200.8	10/17/06 02:02/eli-c
Boron	ND	mg/L		0.10		1	E200.7	10/20/06 16:15/eli-c
Cadmium	ND	mg/L		0.001		1	E200.8	10/17/06 02:02/eli-c
Chromium	ND	mg/L		0.01		1	E200.8	10/17/06 02:02/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/17/06 02:02/eli-c
Iron	ND	mg/L		0.03		1	E200.7	10/20/06 16:15/eli-c
Lead	ND	mg/L		0.01		1	E200.8	10/17/06 02:02/eli-c
Manganese	0.11	mg/L		0.01		1	E200.8	10/17/06 02:02/eli-c
Molybdenum	ND	mg/L		0.005		1	E200.8	10/17/06 02:02/eli-c
Nickel	ND	mg/L		0.01		1	E200.8	10/17/06 02:02/eli-c
Selenium	ND	mg/L		0.005		1	E200.8	10/17/06 02:02/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: Powertech Uranium
Project: Fall River County Water Sampling
Lab ID: R06100076-005
Client Sample ID: #5 Spence

Report Date: 10/27/06
Collection Date: 10/03/06 11:36
Date Received: 10/04/06
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DISSOLVED METALS ANALYSES								
Silver	ND	mg/L		0.005		1	E200.8	10/17/06 02:02/eli-c
Uranium	ND	mg/L		0.001		1	E200.8	10/17/06 02:02/eli-c
Vanadium	ND	mg/L		0.10		1	E200.8	10/17/06 02:02/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	10/17/06 02:02/eli-c
ORGANIC CHARACTERISTICS								
Non-polar Materials (SGT-HEM)	ND	mg/L		5.0		1	SW1664A	10/19/06 13:19/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: Powertech Uranium
Project: Fall River County Water Sampling
Lab ID: R06100076-006
Client Sample ID: #6 Daniels

Report Date: 10/27/06
Collection Date: 10/03/06 12:00
Date Received: 10/04/06
Matrix: AQUEOUS

GW16

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
PHYSICAL PARAMETERS								
Alkalinity, Total as CaCO3	160	mg/L		5		1	A2320 B	10/06/06 12:24/JMH
Bicarbonate as HCO3	200	mg/L		5		1	A2320 B	10/06/06 12:24/JMH
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/06/06 12:24/JMH
Conductivity @ 25 C	1260	umhos/cm		5		1	A2510 B	10/07/06 14:31/AH
pH	7.44	s.u.		0.01		1	A4500-H B	10/07/06 14:45/AH
Solids, Total Dissolved TDS @ 180 C	940	mg/L		5		1	A2540 C	10/05/06 14:23/AH
INORGANIC PARAMETERS								
Calcium	140	mg/L		1		1	E200.7	10/19/06 14:32/SN
Chloride	6.2	mg/L		0.50		1	E300.0	10/05/06 21:01/JMH
Fluoride	0.37	mg/L		0.10		1	E300.0	10/05/06 21:01/JMH
Magnesium	55	mg/L		1		1	E200.7	10/19/06 14:32/SN
Nitrogen, Nitrate as N	ND	mg/L		0.10		1	E300.0	10/05/06 21:01/JMH
Potassium	16	mg/L		1		1	E200.7	10/19/06 14:32/SN
Sodium	53	mg/L		1		1	E200.7	10/19/06 14:32/SN
Sulfate	522	mg/L	D	7.2		10	E300.0	10/06/06 23:47/JMH
Silicon as SiO2	7	mg/L		2		1	E200.7	10/19/06 14:32/SN
NUTRIENT PARAMETERS								
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	10/05/06 16:50/JMH
RADIONUCLIDES - DISSOLVED								
Actinium 228	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Americium 241	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Bismuth 212	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Iodine 125	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Iodine 131	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Manganese 54	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Radium 223	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Thallium 208	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Barium 133	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Bismuth 214	770	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Bismuth 214 precision (±)	35	pCi/L				1	E901.1	10/11/06 14:50/eli-c
Cesium 134	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Cesium 137	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Cobalt 60	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Gross Alpha	110	pCi/L		1.0		1	E900.0	10/20/06 10:00/eli-c
Gross Alpha precision (±)	1.5	pCi/L				1	E900 0	10/20/06 10:00/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: Powertech Uranium
Project: Fall River County Water Sampling
Lab ID: R06100076-006
Client Sample ID: #6 Daniels

Report Date: 10/27/06
Collection Date: 10/03/06 12:00
Date Received: 10/04/06
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - DISSOLVED								
Gross Beta	50	pCi/L		2.0		1	E900.0	10/25/06 05:29/eli-c
Gross Beta precision (±)	2.0	pCi/L				1	E900.0	10/25/06 05:29/eli-c
Lead 212	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Lead 214	810	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Lead 214 precision (±)	35	pCi/L				1	E901.1	10/11/06 14:50/eli-c
Potassium 40	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Radium 224	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Radium 228	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Radium 228	ND	pCi/L		1.0		1	RA-05	10/17/06 16:18/eli-c
Thorium 228	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Thorium 234	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Uranium 238	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Zinc 65	ND	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Radium 226	33.6	pCi/L		0.2		1	E903.0	10/23/06 11:25/eli-c
Radium 226 precision (±)	2.5	pCi/L				1	E903.0	10/23/06 11:25/eli-c
Radium 226	770	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Radium 226 precision (±)	35	pCi/L				1	E901.1	10/11/06 14:50/eli-c
Gross Gamma	1600	pCi/L		20		1	E901.1	10/11/06 14:50/eli-c
Gross Gamma precision (±)	70	pCi/L				1	E901.1	10/11/06 14:50/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	39000	pCi/L		100		1	D5072-92	10/06/06 17:49/eli-c
Radon 222 precision (±)	252	pCi/L				1	D5072-92	10/06/06 17:49/eli-c
TOTAL METALS ANALYSES								
Mercury	ND	mg/L		0.001		1	E245.1	10/17/06 12:11/eli-ca
DISSOLVED METALS ANALYSES								
Aluminum	ND	mg/L		0.10		1	E200.8	10/17/06 02:09/eli-c
Arsenic	ND	mg/L		0.01		1	E200.8	10/17/06 02:09/eli-c
Barium	ND	mg/L		0.10		1	E200.8	10/17/06 02:09/eli-c
Boron	0.12	mg/L		0.10		1	E200.7	10/20/06 16:19/eli-c
Cadmium	ND	mg/L		0.001		1	E200.8	10/17/06 02:09/eli-c
Chromium	ND	mg/L		0.01		1	E200.8	10/17/06 02:09/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/17/06 02:09/eli-c
Iron	ND	mg/L		0.03		1	E200.7	10/20/06 16:19/eli-c
Lead	ND	mg/L		0.01		1	E200.8	10/17/06 02:09/eli-c
Manganese	0.19	mg/L		0.01		1	E200.8	10/17/06 02:09/eli-c

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LABORATORY ANALYTICAL REPORT

Client: Powertech Uranium
Project: Fall River County Water Sampling
Lab ID: R06100076-006
Client Sample ID: #6 Daniels

Report Date: 10/27/06
Collection Date: 10/03/06 12:00
Date Received: 10/04/06
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DISSOLVED METALS ANALYSES								
Molybdenum	ND	mg/L		0.005		1	E200.8	10/17/06 02:09/eli-c
Nickel	ND	mg/L		0.01		1	E200.8	10/17/06 02:09/eli-c
Selenium	ND	mg/L		0.005		1	E200.8	10/17/06 02:09/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/17/06 02:09/eli-c
Uranium	0.002	mg/L		0.001		1	E200.8	10/17/06 02:09/eli-c
Vanadium	ND	mg/L		0.10		1	E200.8	10/17/06 02:09/eli-c
Zinc	0.04	mg/L		0.01		1	E200.8	10/17/06 02:09/eli-c
ORGANIC CHARACTERISTICS								
Non-polar Materials (SGT-HEM)	ND	mg/L		5.0		1	SW1664A	10/19/06 13:20/eli-c

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QA/QC Summary Report

Client: Powertech Uranium
Project: Fall River County Water Sampling

Report Date: 10/27/06
Work Order: R06100076

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 061006A-ALK-W	
Sample ID: LCS2_061006A	Laboratory Control Sample				Run: PH_COND1-R_061006A			10/06/06 11:05	
Alkalinity, Total as CaCO3	960	mg/L	5.0	96	90	110			
Sample ID: MBLK2_061006A	Method Blank				Run: PH_COND1-R_061006A			10/06/06 11:08	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Bicarbonate as HCO3	ND	mg/L	3						
Carbonate as CO3	ND	mg/L	3						
Sample ID: R06100061-001ADUP	Sample Duplicate				Run: PH_COND1-R_061006A			10/06/06 11:23	
Alkalinity, Total as CaCO3	230	mg/L	5.0				0.0	10	
Bicarbonate as HCO3	280	mg/L	5.0						
Carbonate as CO3	ND	mg/L	5.0						
Sample ID: R06100076-001AMS	Sample Matrix Spike				Run: PH_COND1-R_061006A			10/06/06 11:48	
Alkalinity, Total as CaCO3	280	mg/L	5.0	96	80	120			
Sample ID: R06100076-005ADUP	Sample Duplicate				Run: PH_COND1-R_061006A			10/06/06 12:19	
Alkalinity, Total as CaCO3	170	mg/L	5.0				0.0	10	
Bicarbonate as HCO3	200	mg/L	5.0						
Carbonate as CO3	ND	mg/L	5.0						
Sample ID: R06100076-006AMS	Sample Matrix Spike				Run: PH_COND1-R_061006A			10/06/06 12:27	
Alkalinity, Total as CaCO3	270	mg/L	5.0	108	80	120			
Method: A2510 B								Batch: 061007_1_COND-PROBE-W	
Sample ID: LCS1-1_061007	Laboratory Control Sample				Run: PH_COND2-R_061007A			10/07/06 14:21	
Conductivity @ 25 C	151	umhos/cm	5.0	101	90	110			
Sample ID: LCS2-1_061007	Laboratory Control Sample				Run: PH_COND2-R_061007A			10/07/06 14:22	
Conductivity @ 25 C	5010	umhos/cm	5.0	100	90	110			
Sample ID: LCS_COND-1_061007	Laboratory Control Sample				Run: PH_COND2-R_061007A			10/07/06 14:22	
Conductivity @ 25 C	1410	umhos/cm	5.0	100	90	110			
Sample ID: MBLK-1_061007	Method Blank				Run: PH_COND2-R_061007A			10/07/06 14:22	
Conductivity @ 25 C	ND	umhos/cm	5						
Sample ID: R06100075-001ADUP	Sample Duplicate				Run: PH_COND2-R_061007A			10/07/06 14:24	
Conductivity @ 25 C	12200	umhos/cm	5.0				0.8	10	
Sample ID: R06100098-001ADUP	Sample Duplicate				Run: PH_COND2-R_061007A			10/07/06 14:35	
Conductivity @ 25 C	861	umhos/cm	5.0				0.6	10	

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QA/QC Summary Report

Client: Powertech Uranium
Project: Fall River County Water Sampling

Report Date: 10/27/06
Work Order: R06100076

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C								Batch: 061005A-SLDS-TDS-W	
Sample ID: LCS1_061005A	Laboratory Control Sample				Run: BAL-4-R_061005A			10/05/06 14:10	
Solids, Total Dissolved TDS @ 180 C	200	mg/L	5.0	100	90	110			
Sample ID: MBLK1_061005A	Method Blank				Run: BAL-4-R_061005A			10/05/06 14:10	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: R06100086-001AMS	Sample Matrix Spike				Run: BAL-4-R_061005A			10/05/06 15:12	
Solids, Total Dissolved TDS @ 180 C	860	mg/L	5.0	93	80	120			
Sample ID: R06100086-001AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_061005A			10/05/06 14:24	
Solids, Total Dissolved TDS @ 180 C	880	mg/L	5.0	102	80	120	2.1	10	
Method: A4500-H B								Batch: 061007_1_PH-W	
Sample ID: LCS_pH-1_061007	Laboratory Control Sample				Run: PH_COND2-R_061007A			10/07/06 14:09	
pH	6.85	s.u.	0.010	100	98.55	101.45			
Sample ID: R06100075-001ADUP	Sample Duplicate				Run: PH_COND2-R_061007A			10/07/06 14:14	
pH	6.82	s.u.	0.010				0.1	1.25	
Sample ID: R06100098-001ADUP	Sample Duplicate				Run: PH_COND2-R_061007A			10/07/06 14:47	
pH	7.23	s.u.	0.010				0.0	1.25	
Method: A4500-NH3 G								Batch: A2006-10-05_2_NH3_01	
Sample ID: MBLK-2	Method Blank				Run: TECHAA2-R_061005A			10/05/06 15:23	
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_061005A			10/05/06 15:24	
Nitrogen, Ammonia as N	0.24	mg/L	0.10	95	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_061005A			10/05/06 15:25	
Nitrogen, Ammonia as N	0.24	mg/L	0.10	97	90	110			
Sample ID: R06100076-001EMS	Sample Matrix Spike				Run: TECHAA2-R_061005A			10/05/06 16:41	
Nitrogen, Ammonia as N	0.47	mg/L	0.10	108	80	120			
Sample ID: R06100076-001EMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_061005A			10/05/06 16:42	
Nitrogen, Ammonia as N	0.47	mg/L	0.10	108	80	120	0.2	10	
Sample ID: R06100098-001BMS	Sample Matrix Spike				Run: TECHAA2-R_061005A			10/05/06 16:54	
Nitrogen, Ammonia as N	0.25	mg/L	0.10	103	80	120			
Sample ID: R06100098-001BMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_061005A			10/05/06 16:55	
Nitrogen, Ammonia as N	0.25	mg/L	0.10	104	80	120	1.2	10	

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QA/QC Summary Report

Client: Powertech Uranium
Project: Fall River County Water Sampling

Report Date: 10/27/06
Work Order: R06100076

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: D5072-92									Batch: C_R73669
Sample ID: C06100331-001BDUP	Sample Duplicate				Run: SUB-C73669				10/06/06 17:49
Radon 222	ND	pCi/L	100				0.0	30	
Sample ID: MB-R73669	Method Blank				Run: SUB-C73669				10/06/06 17:49
Radon 222	ND	pCi/L	100						
Sample ID: LCS-R73669	Laboratory Control Sample				Run: SUB-C73669				10/06/06 17:49
Radon 222	301	pCi/L	100	99	70	130			
Method: E200.7									Batch: R27196
Sample ID: R06100092-001BMS	Sample Matrix Spike				Run: ICP1-R_061019A				10/19/06 14:39
Calcium	130	mg/L	1.0	70	75	125			S
Magnesium	84	mg/L	1.0	87	75	125			
Potassium	49	mg/L	1.0	90	75	125			
Silicon	53	mg/L	1.0	92	75	125			
Sodium	73	mg/L	1.0	99	75	125			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: Powertech Uranium
Project: Fall River County Water Sampling

Report Date: 10/27/06
Work Order: R06100076

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R74233
Sample ID: R06100076-003B	Post Digestion Spike				Run: SUB-C74233				10/16/06 23:31
Aluminum	0.064	mg/L	0.10	127	70	130			
Arsenic	0.053	mg/L	0.0010	102	70	130			
Barium	0.058	mg/L	0.10	99	70	130			
Cadmium	0.046	mg/L	0.010	93	70	130			
Chromium	0.044	mg/L	0.050	88	70	130			
Lead	0.048	mg/L	0.050	95	70	130			
Manganese	0.15	mg/L	0.010	91	70	130			
Molybdenum	0.056	mg/L	0.10	105	70	130			
Nickel	0.066	mg/L	0.050	95	70	130			
Selenium	0.053	mg/L	0.0010	105	70	130			
Silver	0.014	mg/L	0.010	68	70	130			S
Uranium	0.060	mg/L	0.00030	108	70	130			
Vanadium	0.046	mg/L	0.10	92	70	130			
Zinc	0.050	mg/L	0.010	81	70	130			
- Matrix spike recoveries outside the acceptance criteria of 70 to 130 percent are considered matrix related, not system related. Reported values are within method specifications. (EPA Method 200.8, par. 9.4.4)									
Sample ID: R06100076-003B	Post Digestion Spike Duplicate				Run: SUB-C74233				10/16/06 23:39
Aluminum	0.048	mg/L	0.10	95	70	130	0.0	20	
Arsenic	0.054	mg/L	0.0010	105	70	130	2.3	20	
Barium	0.060	mg/L	0.10	104	70	130	0.0	20	
Cadmium	0.050	mg/L	0.010	99	70	130	6.4	20	
Chromium	0.047	mg/L	0.050	94	70	130	0.0	20	
Lead	0.050	mg/L	0.050	100	70	130	5.2	20	
Manganese	0.15	mg/L	0.010	90	70	130	0.5	20	
Molybdenum	0.059	mg/L	0.10	110	70	130	0.0	20	
Nickel	0.066	mg/L	0.050	95	70	130	0.2	20	
Selenium	0.053	mg/L	0.0010	105	70	130	0.4	20	
Silver	0.014	mg/L	0.010	71	70	130	4.0	20	
Uranium	0.063	mg/L	0.00030	113	70	130	4.3	20	
Vanadium	0.050	mg/L	0.10	99	70	130	0.0	20	
Zinc	0.052	mg/L	0.010	85	70	130	4.0	20	
- Matrix spike duplicate recoveries outside the acceptance criteria of 70 to 130 percent are considered matrix related, not system related. Reported values are within method specifications. (EPA Method 200.8, par. 9.4.4)									
Sample ID: LRB	Method Blank				Run: SUB-C74233				10/16/06 15:07
Aluminum	ND	mg/L	0.0002						
Arsenic	ND	mg/L	0.0002						
Barium	ND	mg/L	9E-05						
Cadmium	ND	mg/L	0.0002						
Chromium	ND	mg/L	0.0001						
Copper	ND	mg/L	0.0001						
Lead	ND	mg/L	2E-05						

Qualifiers:

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

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QA/QC Summary Report

Client: Powertech Uranium
Project: Fall River County Water Sampling

Report Date: 10/27/06
Work Order: R06100076

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R74233
Sample ID: LRB	Method Blank				Run: SUB-C74233				10/16/06 15:07
Manganese	ND	mg/L	3E-05						
Molybdenum	ND	mg/L	7E-05						
Nickel	ND	mg/L	8E-05						
Selenium	ND	mg/L	0.0004						
Silver	0.0002	mg/L	3E-05						
Uranium	ND	mg/L	4E-05						
Vanadium	ND	mg/L	9E-05						
Zinc	ND	mg/L	0.0003						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C74233				10/16/06 15:15
Aluminum	0.0572	mg/L	0.0010	114	85	115			
Arsenic	0.0549	mg/L	0.0010	110	85	115			
Barium	0.0587	mg/L	0.0010	117	85	115			S
Cadmium	0.0532	mg/L	0.0010	106	85	115			
Chromium	0.0516	mg/L	0.0010	103	85	115			
Copper	0.0576	mg/L	0.0010	115	85	115			
Lead	0.0538	mg/L	0.0010	108	85	115			
Manganese	0.0513	mg/L	0.0010	103	85	115			
Molybdenum	0.0533	mg/L	0.0010	107	85	115			
Nickel	0.0561	mg/L	0.0010	112	85	115			
Selenium	0.0553	mg/L	0.0010	111	85	115			
Silver	0.0211	mg/L	0.0010	105	85	115			
Uranium	0.0573	mg/L	0.00030	115	85	115			
Vanadium	0.0537	mg/L	0.0010	107	85	115			
Zinc	0.0555	mg/L	0.0010	111	85	115			
Sample ID: C06100669-002AMS4	Post Digestion Spike				Run: SUB-C74233				10/16/06 21:16
Aluminum	0.054	mg/L	0.10	105	70	130			
Arsenic	0.057	mg/L	0.0010	110	70	130			
Barium	0.079	mg/L	0.10	106	70	130			
Cadmium	0.050	mg/L	0.010	100	70	130			
Chromium	0.054	mg/L	0.050	100	70	130			
Lead	0.055	mg/L	0.050	109	70	130			
Manganese	0.051	mg/L	0.010	100	70	130			
Molybdenum	0.055	mg/L	0.10	108	70	130			
Selenium	0.080	mg/L	0.0010	104	70	130			
Uranium	0.15	mg/L	0.00030	116	70	130			
Vanadium	0.058	mg/L	0.10	106	70	130			
Zinc	0.055	mg/L	0.010	98	70	130			

Qualifiers:

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

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QA/QC Summary Report

Client: Powertech Uranium
Project: Fall River County Water Sampling

Report Date: 10/27/06
Work Order: R06100076

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R74233
Sample ID: C06100669-002AMSD4	Post Digestion Spike Duplicate				Run: SUB-C74233				10/16/06 21:24
Aluminum	0.054	mg/L	0.10	106	70	130	0.0	20	
Arsenic	0.058	mg/L	0.0010	112	70	130	1.7	20	
Barium	0.081	mg/L	0.10	108	70	130	0.0	20	
Cadmium	0.051	mg/L	0.010	102	70	130	2.2	20	
Chromium	0.055	mg/L	0.050	102	70	130	1.7	20	
Lead	0.056	mg/L	0.050	111	70	130	1.9	20	
Manganese	0.052	mg/L	0.010	102	70	130	2.5	20	
Molybdenum	0.056	mg/L	0.10	111	70	130	0.0	20	
Selenium	0.079	mg/L	0.0010	100	70	130	2.4	20	
Uranium	0.15	mg/L	0.00030	120	70	130	1.0	20	
Vanadium	0.059	mg/L	0.10	108	70	130	0.0	20	
Zinc	0.056	mg/L	0.010	99	70	130	1.0	20	
Method: E200.8									Batch: C_R74298
Sample ID: LRB	Method Blank				Run: SUB-C74298				10/17/06 13:03
Copper	ND	mg/L	0.0001						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C74298				10/17/06 13:10
Copper	0.0543	mg/L	0.0010	109	85	115			
Sample ID: R06100076-001B	Post Digestion Spike				Run: SUB-C74298				10/17/06 22:18
Copper	0.046	mg/L	0.010	92	70	130			
Method: E245.1									Batch: C_12511
Sample ID: R06100076-006C	Sample Matrix Spike				Run: SUB-C74249				10/17/06 12:17
Mercury	0.0053	mg/L	0.0010	103	85	115			
Sample ID: R06100076-006C	Sample Matrix Spike Duplicate				Run: SUB-C74249				10/17/06 12:21
Mercury	0.0052	mg/L	0.0010	103	85	115	0.4	10	
Sample ID: C265-184-3	Laboratory Control Sample				Run: SUB-C74249				10/17/06 12:25
Mercury	0.0054	mg/L	0.0010	100	90	110			
Sample ID: MBLK-12511	Method Blank				Run: SUB-C74249				10/17/06 12:29
Mercury	0.0004	mg/L	5E-05						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Powertech Uranium
Project: Fall River County Water Sampling

Report Date: 10/27/06
Work Order: R06100076

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R26794
Sample ID: LFB0610051816-3	Laboratory Fortified Blank				Run: DIONEX_061005A				10/05/06 18:42
Chloride	5.0	mg/L	0.50	99	90	110			
Fluoride	2.0	mg/L	0.10	98	90	110			
Nitrogen, Nitrate as N	2.4	mg/L	0.10	96	90	110			
Sample ID: LFB0610051816-4	Laboratory Fortified Blank				Run: DIONEX_061005A				10/05/06 18:57
Chloride	4.8	mg/L	0.50	95	90	110			
Fluoride	1.9	mg/L	0.10	97	90	110			
Nitrogen, Nitrate as N	2.5	mg/L	0.10	99	90	110			
Sample ID: R06100076-001AMS	Sample Matrix Spike				Run: DIONEX_061005A				10/05/06 19:28
Chloride	17	mg/L	0.50	57	80	120			S
Fluoride	2.2	mg/L	0.10	89	80	120			
Nitrogen, Nitrate as N	2.3	mg/L	0.10	93	80	120			
Sample ID: R06100076-001AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_061005A				10/05/06 19:43
Chloride	17	mg/L	0.50	49	80	120	2.4	10	S
Fluoride	2.0	mg/L	0.10	82	80	120	7.2	10	
Nitrogen, Nitrate as N	2.3	mg/L	0.10	93	80	120	0.0	10	
Sample ID: R06100086-001AMS	Sample Matrix Spike				Run: DIONEX_061005A				10/05/06 22:02
Chloride	190	mg/L	0.50		80	120			A
Fluoride	11	mg/L	0.32	101	80	120			
Nitrogen, Nitrate as N	39	mg/L	0.10	60	80	120			S
Sample ID: R06100086-001AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_061005A				10/05/06 22:18
Chloride	190	mg/L	0.50		80	120	0.9	10	A
Fluoride	11	mg/L	0.32	95	80	120	4.7	10	
Nitrogen, Nitrate as N	38	mg/L	0.10	52	80	120	2.4	10	S
Method: E300.0									Batch: R26839
Sample ID: LFB0610062809-3	Laboratory Fortified Blank				Run: DIONEX_061006A				10/06/06 19:10
Sulfate	14	mg/L	1.0	94	90	110			
Sample ID: LFB0610062809-4	Laboratory Fortified Blank				Run: DIONEX_061006A				10/06/06 19:25
Sulfate	14	mg/L	1.0	90	90	110			
Sample ID: R06100076-002AMS	Sample Matrix Spike				Run: DIONEX_061006A				10/06/06 22:30
Sulfate	580	mg/L	7.2	72	80	120			S
Sample ID: R06100076-002AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_061006A				10/06/06 22:46
Sulfate	580	mg/L	7.2	69	80	120	0.7	10	S

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: Powertech Uranium
Project: Fall River County Water Sampling

Report Date: 10/27/06
Work Order: R06100076

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0									Batch: C_GrAB-0189
Sample ID: MB-GrAB-0189	Method Blank				Run: SUB-C74713				10/25/06 05:29
Gross Alpha	ND	pCi/L	1						
Gross Beta	ND	pCi/L	2						
Sample ID: UNAT-GrAB-0189	Laboratory Control Sample				Run: SUB-C74713				10/25/06 05:29
Gross Alpha	249	pCi/L	3.0	102	70	130			
Sample ID: C06100674-001AMS	Sample Matrix Spike				Run: SUB-C74713				10/25/06 05:29
Gross Alpha	308	pCi/L	3.0	125	70	130			
Sample ID: C06100674-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C74713				10/25/06 05:29
Gross Alpha	300	pCi/L	3.0	122	70	130	2.5	12	
Sample ID: C06100674-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C74713				10/26/06 05:15
Gross Beta	113	pCi/L	2.0	108	70	130	4.3	14.8	

Qualifiers:

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QA/QC Summary Report

Client: Powertech Uranium
Project: Fall River County Water Sampling

Report Date: 10/27/06
Work Order: R06100076

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E901.1									Batch: C_R74012
Sample ID: R06100076-001D	Sample Duplicate				Run: SUB-C74012			10/11/06 14:50	
Actinium 228	ND	pCi/L	20				0.0	30	
Americium 241	ND	pCi/L	20				0.0	30	
Bismuth 212	ND	pCi/L	20				0.0	30	
Iodine 125	ND	pCi/L	20				0.0	30	
Iodine 131	ND	pCi/L	20				0.0	30	
Manganese 54	ND	pCi/L	20				0.0	30	
Radium 223	ND	pCi/L	20				0.0	30	
Radium 226	ND	pCi/L	20				0.0	30	
Thallium 208	ND	pCi/L	20				0.0	30	
Barium 133	ND	pCi/L	20				0.0	30	
Bismuth 214	ND	pCi/L	20				0.0	30	
Cesium 134	ND	pCi/L	20				0.0	30	
Cesium 137	ND	pCi/L	20				0.0	30	
Cobalt 60	ND	pCi/L	20				0.0	30	
Gross Gamma	ND	pCi/L	20				0.0	30	
Lead 212	ND	pCi/L	20				0.0	30	
Lead 214	ND	pCi/L	20				0.0	30	
Potassium 40	ND	pCi/L	20				0.0	30	
Radium 224	ND	pCi/L	20				0.0	30	
Radium 228	ND	pCi/L	20				0.0	30	
Thorium 228	ND	pCi/L	20				0.0	30	
Thorium 234	ND	pCi/L	20				0.0	30	
Uranium 238	ND	pCi/L	20				0.0	30	
Zinc 65	ND	pCi/L	20				0.0	30	
Method: E903.0									Batch: C_RA226-1738
Sample ID: C06100329-001AMS	Sample Matrix Spike				Run: SUB-C74644			10/23/06 11:25	
Radium 226	23.3	pCi/L	1.0	110	70	130			
Sample ID: C06100329-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C74644			10/23/06 11:25	
Radium 226	22.5	pCi/L	1.0	106	70	130	3.4	29.2	
Sample ID: MB-RA226-1738	Method Blank				Run: SUB-C74644			10/23/06 14:48	
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-1738	Laboratory Control Sample				Run: SUB-C74644			10/23/06 14:48	
Radium 226	14	pCi/L	0.20	107	70	130			

Qualifiers:

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ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: Powertech Uranium
Project: Fall River County Water Sampling

Report Date: 10/27/06
Work Order: R06100076

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RA-05									Batch: C_RA228-1405
Sample ID: C06100329-008AMS	Sample Matrix Spike				Run: SUB-C74289				10/17/06 16:18
Radium 228	14	pCi/L	1.0	101	70	130			
Sample ID: C06100329-008AMSD	Sample Matrix Spike Duplicate				Run: SUB-C74289				10/17/06 16:18
Radium 228	13	pCi/L	1.0	93	70	130	8.3	31.5	
Method: SW1664A									Batch: C_12505
Sample ID: C06100701-001EMS	Sample Matrix Spike				Run: SUB-C74487				10/19/06 12:12
Non-polar Materials (SGT-HEM)	22	mg/L	5.0	81	64	132			
Sample ID: C06100701-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C74487				10/19/06 12:12
Non-polar Materials (SGT-HEM)	21	mg/L	5.0	74	64	132	6.0	34	
Sample ID: MBLK1_061019A	Method Blank				Run: SUB-C74487				10/19/06 12:12
Non-polar Materials (SGT-HEM)	ND	mg/L	5.0						
Sample ID: LCS1_061019A	Laboratory Control Sample				Run: SUB-C74487				10/19/06 12:13
Non-polar Materials (SGT-HEM)	18	mg/L	5.0	88	64	132			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

ENERGY LABORATORIES

CHAIN OF CUSTODY RECORD

PLEASE PRINT OR TYPE ALL INFORMATION EXCEPT SIGNATURES

Received Date:		Cust. No.:	
Login Date:		Custody Seal:	Yes/No
Shipped by:		Intact:	Yes/No
Shipping Bill #:		Signature Match?:	Yes/No
Sample Temp:	°C	If no - Reason:	

For Lab Use Only

BILLINGS, MT — CASPER, WY — GILLETTE, WY — HELENA, MT — RAPID CITY, SD

P.O. # | Project Name / Address: Powertech Well Sampling

Contact Name & Phone: Allen Scott 613 4859 | Sampler's Signature:

Invoice to: Powertech, Inc. Frank Lichnovsky, PO Box 90, Hot Springs, SD 57747

Report to: Scott Env., 1020 int. Richmond Rd, Custer, SD 57730

Lab No. (For Lab Use Only)	DATE	TIME	SAMPLE I.D	number of containers	Sample Type: A Air W Water S Soils/Solids V Vegetation U Urine O Other	Analysis Requested: Cl, F, SO4	Comments, Special Instructions, etc.
	10-3-2006	10:07	#1, Anderson = GW18	W	✓		52°
	10-3	10:18	#2, Putnam = GW42	W	✓		53°
	10-3	10:49	#3, Unknown = GW41	W	✓		52°
	10-3	11:12	#4, Kenobbie = GW7	W	✓		48°
	10-3	11:36	#5, Spencer = GW13	W	✓		51°
	10-3	12:00	#6, Daniels = GW16	W	✓		52°

1. Relinquished (signature)	Date	Time	Received by: (signature)	2. Relinquished (signature)	Date	Time	Received for Laboratory by: (signature)
	10-4-2006	2:34					

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ANALYTICAL SUMMARY REPORT

December 10, 2007

Cory Freeman
RESPEC Inc
3824 Jet Dr
Rapid City, SD 57701-

Workorder No.: R07090384 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 5 samples from RESPEC Inc on 9/27/2007 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R07090384-001	DewBurd GW18	09/26/07 10:39	09/27/07	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Anions by Ion Chromatography Uranium, Suspended Nitrogen, Ammonia pH Digestion, Total Metals Dissolved Filtration Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Lead 210, Total Polonium 210, Dissolved Polonium 210, Suspended Polonium 210, Total Radium 226, Dissolved Radium 226, Suspended Radium 226, Total Thorium, Isotopic Thorium, Suspended Isotopic Thorium, Isotopic Solids, Total Dissolved
R07090384-002	DewBurd GW02	09/26/07 12:46	09/27/07	Aqueous	Same As Above
R07090384-003	DewBurd GW08	09/26/07 14:33	09/27/07	Aqueous	Same As Above
R07090384-004	DewBurd GW631	09/26/07 16:40	09/27/07	Aqueous	Same As Above
R07090384-005	DewBurd GW635	09/26/07 18:08	09/27/07	Aqueous	Same As Above

Thank you for submitting your samples to Energy Laboratories, Inc. - Rapid City. The following pages contain the results of the sample tests listed above and applicable analytical notes.

The samples were analyzed in accordance with the methods specified on the analytical reports. All analyses were accompanied by appropriate quality control samples throughout the test. Where applicable, the results of these quality control samples will be included, following your analytical data.

If you have any questions regarding the analyses performed or the results of these analyses, please contact Energy Laboratories Inc. - Rapid City at (605) 342-1225, (888) 672-1225 or Rapid_City@energylab.com.

Report Approved By: Linda Lar

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090384-001
Client Sample ID: DewBurd GW18

Report Date: 12/10/07
Collection Date: 09/26/07 10:39
Date Received: 09/27/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	184	mg/L		5		1	A2320 B	10/04/07 16:44/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/04/07 16:44/sn
Bicarbonate as HCO3	224	mg/L		5		1	A2320 B	10/04/07 16:44/sn
Calcium	31.8	mg/L		0.5		1	E200.7	10/08/07 20:34/eli-c
Magnesium	11.3	mg/L		0.5		1	E200.7	10/08/07 20:34/eli-c
Potassium	7.2	mg/L		0.5		1	E200.7	10/08/07 20:34/eli-c
Silica	7.5	mg/L		0.5		1	E200.7	10/08/07 20:34/eli-c
Sodium	278	mg/L	D	0.8		1	E200.7	10/08/07 20:34/eli-c
Chloride	13	mg/L		1		1	E300.0	09/28/07 21:44/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	09/28/07 21:44/jmh
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	09/28/07 17:26/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	09/28/07 21:44/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	09/28/07 21:44/jmh
Sulfate	513	mg/L	D	7		10	E300.0	10/02/07 01:19/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1430	umhos/cm		5.0		1	A2510 B	10/02/07 18:31/jmh
pH	8.09	s.u.		0.01		1	A4500-H B	10/02/07 18:31/jmh
Solids, Total Dissolved TDS @ 180 C	990	mg/L		5		1	A2540 C	10/02/07 13:05/sn
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	10/05/07 23:42/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	10/05/07 23:42/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/05/07 23:42/eli-c
Boron	ND	mg/L		0.1		1	E200.7	10/08/07 20:34/eli-c
Cadmium	ND	mg/L		0.01		1	E200.8	10/05/07 23:42/eli-c
Chromium	ND	mg/L		0.05		1	E200.7	10/08/07 20:34/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/05/07 23:42/eli-c
Iron	ND	mg/L		0.03		1	E200.7	10/08/07 20:34/eli-c
Lead	ND	mg/L		0.05		1	E200.8	10/05/07 23:42/eli-c
Manganese	0.06	mg/L		0.01		1	E200.8	10/05/07 23:42/eli-c
Mercury	ND	mg/L		0.0002		1	E200.8	10/05/07 23:42/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/05/07 23:42/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	10/05/07 23:42/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	10/05/07 23:42/eli-c
Silver	ND	mg/L		0.01		1	E200.8	10/05/07 23:42/eli-c
Thorium 232	ND	mg/L		0.001		1	E200.8	10/05/07 23:42/eli-c
Uranium	0.0061	mg/L		0.0003		1	E200.8	10/05/07 23:42/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090384-001
Client Sample ID: DewBurd GW18

Report Date: 12/10/07
Collection Date: 09/26/07 10:39
Date Received: 09/27/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		1	E200.8	10/05/07 23:42/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	10/05/07 23:42/eli-c
METALS - SUSPENDED								
Uranium	0.0017	mg/L		0.0003		1	E200.8	11/30/07 13:23/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.001		1	E200.8	10/04/07 15:46/eli-c
Uranium	0.008	mg/L		0.0003		1	E200.8	10/04/07 15:46/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	15.7	pCi/L		1.0		1	E900.0	10/12/07 01:09/eli-c
Gross Alpha precision (±)	1.3	pCi/L				1	E900.0	10/12/07 01:09/eli-c
Gross Beta	6.7	pCi/L		2.0		1	E900.0	10/12/07 01:09/eli-c
Gross Beta precision (±)	2.4	pCi/L				1	E900.0	10/12/07 01:09/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/25/07 11:25/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	10/29/07 13:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	10/30/07 13:35/eli-c
Thorium 230	ND	pCi/L		0.20		1	E907.0	10/29/07 15:00/eli-c
Gross Gamma	510	pCi/L		20		1	E901.1	10/04/07 15:30/eli-c
Gross Gamma precision (±)	100	pCi/L				1	E901.1	10/04/07 15:30/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	11/13/07 17:07/eli-c
Polonium 210	6.0	pCi/L		1.0		1	RMO-3008	10/29/07 13:00/eli-c
Polonium 210 precision (±)	4.4	pCi/L				1	RMO-3008	10/29/07 13:00/eli-c
Radium 226	4.0	pCi/L		0.2		1	E903.0	12/05/07 12:38/eli-c
Radium 226 precision (±)	0.8	pCi/L				1	E903.0	12/05/07 12:38/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	11/13/07 17:07/eli-c
RADIONUCLIDES - TOTAL								
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/25/07 11:25/eli-c
Polonium 210	6.0	pCi/L		1.0		1	RMO-3008	10/29/07 13:00/eli-c
Polonium 210 precision (±)	4.4	pCi/L				1	RMO-3008	10/29/07 13:00/eli-c
Radium 226	4.0	pCi/L		0.2		1	E903.0	10/10/07 16:32/eli-c
Radium 226 precision (±)	0.8	pCi/L				1	E903.0	10/10/07 16:32/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	10/29/07 13:00/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090384-001
Client Sample ID: DewBurd GW18

Report Date: 12/10/07
Collection Date: 09/26/07 10:39
Date Received: 09/27/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
A/C Balance (± 5)	0.211	%				1	A1030 E	11/30/07 16:24/eli-c
Anions	14.7	meq/L				1	A1030 E	11/30/07 16:24/eli-c
Cations	14.8	meq/L				1	A1030 E	11/30/07 16:24/eli-c
Solids, Total Dissolved Calculated	965	mg/L				1	A1030 E	11/30/07 16:24/eli-c
TDS Balance (0.80 - 1.20)	1.03	dec. %				1	A1030 E	11/30/07 16:24/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090384-002
Client Sample ID: DewBurd GW02

Report Date: 12/10/07
Collection Date: 09/26/07 12:46
Date Received: 09/27/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	214	mg/L		5		1	A2320 B	10/04/07 16:46/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/04/07 16:46/sn
Bicarbonate as HCO3	261	mg/L		5		1	A2320 B	10/04/07 16:46/sn
Calcium	48.5	mg/L		0.5		1	E200.7	10/08/07 20:38/eli-c
Magnesium	15.8	mg/L		0.5		1	E200.7	10/08/07 20:38/eli-c
Potassium	11.5	mg/L		0.5		1	E200.7	10/08/07 20:38/eli-c
Silica	8.0	mg/L		0.5		1	E200.7	10/08/07 20:38/eli-c
Sodium	273	mg/L	D	0.8		1	E200.7	10/08/07 20:38/eli-c
Chloride	10	mg/L		1		1	E300.0	09/28/07 22:00/jmh
Fluoride	0.2	mg/L		0.1		1	E300.0	09/28/07 22:00/jmh
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	09/28/07 17:28/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	09/28/07 22:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	09/28/07 22:00/jmh
Sulfate	583	mg/L	D	7		10	E300.0	10/02/07 01:36/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1570	umhos/cm		5.0		1	A2510 B	10/02/07 18:32/jmh
pH	7.91	s.u.		0.01		1	A4500-H B	10/02/07 18:32/jmh
Solids, Total Dissolved TDS @ 180 C	1100	mg/L	H	5		1	A2540 C	11/26/07 16:03/jmh
H-Initial results were within hold time. Sample rechecked and results are reported.								
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	10/05/07 23:50/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	10/05/07 23:50/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/05/07 23:50/eli-c
Boron	ND	mg/L		0.1		1	E200.7	10/08/07 20:38/eli-c
Cadmium	ND	mg/L		0.01		1	E200.8	10/05/07 23:50/eli-c
Chromium	ND	mg/L		0.05		1	E200.7	10/08/07 20:38/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/05/07 23:50/eli-c
Iron	ND	mg/L		0.03		1	E200.7	10/08/07 20:38/eli-c
Lead	ND	mg/L		0.05		1	E200.8	10/05/07 23:50/eli-c
Manganese	0.08	mg/L		0.01		1	E200.8	10/05/07 23:50/eli-c
Mercury	ND	mg/L		0.0002		1	E200.8	10/05/07 23:50/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/05/07 23:50/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	10/05/07 23:50/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	10/05/07 23:50/eli-c
Silver	ND	mg/L		0.01		1	E200.8	10/05/07 23:50/eli-c
Thorium 232	ND	mg/L		0.001		1	E200.8	10/05/07 23:50/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	10/05/07 23:50/eli-c

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090384-002
Client Sample ID: DewBurd GW02

Report Date: 12/10/07
Collection Date: 09/26/07 12:46
Date Received: 09/27/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		1	E200.8	10/05/07 23:50/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	10/05/07 23:50/eli-c
METALS - SUSPENDED								
Uranium	0.0003	mg/L		0.0003		1	E200.8	11/30/07 13:23/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.001		1	E200.8	10/04/07 15:53/eli-c
Uranium	0.0004	mg/L		0.0003		1	E200.8	10/04/07 15:53/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	1.4	pCi/L		1.0		1	E900.0	10/12/07 01:09/eli-c
Gross Alpha precision (±)	1.0	pCi/L				1	E900.0	10/12/07 01:09/eli-c
Gross Beta	9.3	pCi/L		2.0		1	E900.0	10/12/07 01:09/eli-c
Gross Beta precision (±)	2.9	pCi/L				1	E900.0	10/12/07 01:09/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/25/07 11:25/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	10/29/07 13:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	10/30/07 13:35/eli-c
Thorium 230	ND	pCi/L		0.20		1	E907.0	10/29/07 15:00/eli-c
Gross Gamma	ND	pCi/L		20		1	E901.1	10/04/07 15:30/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	11/13/07 17:07/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	10/29/07 13:00/eli-c
Radium 226	2.2	pCi/L		0.2		1	E903.0	12/05/07 12:38/eli-c
Radium 226 precision (±)	0.6	pCi/L				1	E903.0	12/05/07 12:38/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	11/13/07 17:07/eli-c
RADIONUCLIDES - TOTAL								
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/25/07 11:25/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	10/29/07 13:00/eli-c
Radium 226	2.2	pCi/L		0.2		1	E903.0	10/10/07 16:32/eli-c
Radium 226 precision (±)	0.6	pCi/L				1	E903.0	10/10/07 16:32/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	10/29/07 13:00/eli-c
DATA QUALITY								
A/C Balance (± 5)	-2.46	%				1	A1030 E	11/30/07 16:25/eli-c
Anions	16.7	meq/L				1	A1030 E	11/30/07 16:25/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090384-002
Client Sample ID: DewBurd GW02

Report Date: 12/10/07
Collection Date: 09/26/07 12:46
Date Received: 09/27/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
Cations	15.9	meq/L				1	A1030 E	11/30/07 16:25/eli-c
Solids, Total Dissolved Calculated	1070	mg/L				1	A1030 E	11/30/07 16:25/eli-c
TDS Balance (0.80 - 1.20)	1.00	dec. %				1	A1030 E	11/30/07 16:25/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090384-003
Client Sample ID: DewBurd GW08

Report Date: 12/10/07
Collection Date: 09/26/07 14:33
Date Received: 09/27/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	168	mg/L		5		1	A2320 B	10/04/07 16:49/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/04/07 16:49/sn
Bicarbonate as HCO3	205	mg/L		5		1	A2320 B	10/04/07 16:49/sn
Calcium	48.5	mg/L		0.5		1	E200.7	10/08/07 20:41/eli-c
Magnesium	21.2	mg/L		0.5		1	E200.7	10/08/07 20:41/eli-c
Potassium	14.2	mg/L		0.5		1	E200.7	10/08/07 20:41/eli-c
Silica	6.9	mg/L		0.5		1	E200.7	10/08/07 20:41/eli-c
Sodium	224	mg/L	D	0.8		1	E200.7	10/08/07 20:41/eli-c
Chloride	13	mg/L		1		1	E300.0	09/28/07 22:17/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	09/28/07 22:17/jmh
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	09/28/07 17:31/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	09/28/07 22:17/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	09/28/07 22:17/jmh
Sulfate	540	mg/L	D	7		10	E300.0	10/02/07 01:52/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1420	umhos/cm		5.0		1	A2510 B	10/02/07 18:33/jmh
pH	7.93	s.u.		0.01		1	A4500-H B	10/02/07 18:34/jmh
Solids, Total Dissolved TDS @ 180 C	960	mg/L		5		1	A2540 C	10/02/07 13:05/sn
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	10/05/07 23:58/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	10/05/07 23:58/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/05/07 23:58/eli-c
Boron	ND	mg/L		0.1		1	E200.7	10/08/07 20:41/eli-c
Cadmium	ND	mg/L		0.01		1	E200.8	10/05/07 23:58/eli-c
Chromium	ND	mg/L		0.05		1	E200.7	10/08/07 20:41/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/05/07 23:58/eli-c
Iron	ND	mg/L		0.03		1	E200.7	10/08/07 20:41/eli-c
Lead	ND	mg/L		0.05		1	E200.8	10/05/07 23:58/eli-c
Manganese	0.08	mg/L		0.01		1	E200.8	10/05/07 23:58/eli-c
Mercury	ND	mg/L		0.0002		1	E200.8	10/05/07 23:58/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/05/07 23:58/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	10/05/07 23:58/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	10/05/07 23:58/eli-c
Silver	ND	mg/L		0.01		1	E200.8	10/05/07 23:58/eli-c
Thorium 232	ND	mg/L		0.001		1	E200.8	10/05/07 23:58/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	10/05/07 23:58/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090384-003
Client Sample ID: DewBurd GW08

Report Date: 12/10/07
Collection Date: 09/26/07 14:33
Date Received: 09/27/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		1	E200.8	10/05/07 23:58/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	10/05/07 23:58/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	11/30/07 13:23/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.001		1	E200.8	10/04/07 16:01/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	10/04/07 16:01/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	5.0	pCi/L		1.0		1	E900.0	10/12/07 01:09/eli-c
Gross Alpha precision (±)	1.0	pCi/L				1	E900.0	10/12/07 01:09/eli-c
Gross Beta	15.9	pCi/L		2.0		1	E900.0	10/12/07 01:09/eli-c
Gross Beta precision (±)	2.5	pCi/L				1	E900.0	10/12/07 01:09/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/25/07 11:25/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	10/29/07 13:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	10/30/07 13:35/eli-c
Thorium 230	ND	pCi/L		0.20		1	E907.0	10/29/07 15:00/eli-c
Gross Gamma	650	pCi/L		20		1	E901.1	10/04/07 15:30/eli-c
Gross Gamma precision (±)	120	pCi/L				1	E901.1	10/04/07 15:30/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	11/13/07 17:07/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	10/29/07 13:00/eli-c
Radium 226	3.5	pCi/L		0.2		1	E903.0	12/05/07 12:38/eli-c
Radium 226 precision (±)	0.8	pCi/L				1	E903.0	12/05/07 12:38/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	11/13/07 17:07/eli-c
RADIONUCLIDES - TOTAL								
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/25/07 11:25/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	10/29/07 13:00/eli-c
Radium 226	3.5	pCi/L		0.2		1	E903.0	10/10/07 16:32/eli-c
Radium 226 precision (±)	0.8	pCi/L				1	E903.0	10/10/07 16:32/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	10/29/07 13:00/eli-c
DATA QUALITY								
A/C Balance (± 5)	-2.44	%				1	A1030 E	11/30/07 16:25/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090384-003
Client Sample ID: DewBurd GW08

Report Date: 12/10/07
Collection Date: 09/26/07 14:33
Date Received: 09/27/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
Anions	15.0	meq/L				1	A1030 E	11/30/07 16:25/eli-c
Cations	14.3	meq/L				1	A1030 E	11/30/07 16:25/eli-c
Solids, Total Dissolved Calculated	962	mg/L				1	A1030 E	11/30/07 16:25/eli-c
TDS Balance (0.80 - 1.20)	1.00	dec. %				1	A1030 E	11/30/07 16:25/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090384-004
Client Sample ID: DewBurd GW631

Report Date: 12/10/07
Collection Date: 09/26/07 16:40
Date Received: 09/27/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	168	mg/L		5		1	A2320 B	10/04/07 16:52/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/04/07 16:52/sn
Bicarbonate as HCO3	205	mg/L		5		1	A2320 B	10/04/07 16:52/sn
Calcium	268	mg/L		0.5		1	E200.7	10/08/07 20:44/eli-c
Magnesium	82.9	mg/L		0.5		1	E200.7	10/08/07 20:44/eli-c
Potassium	15.9	mg/L		0.5		1	E200.7	10/08/07 20:44/eli-c
Silica	7.2	mg/L		0.5		1	E200.7	10/08/07 20:44/eli-c
Sodium	92.4	mg/L	D	0.8		1	E200.7	10/08/07 20:44/eli-c
Chloride	10	mg/L		1		1	E300.0	09/28/07 22:33/jmh
Fluoride	0.3	mg/L		0.1		1	E300.0	09/28/07 22:33/jmh
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	09/28/07 17:32/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	09/28/07 22:33/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	09/28/07 22:33/jmh
Sulfate	1240	mg/L	D	10		20	E300.0	10/02/07 02:08/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2180	umhos/cm		5.0		1	A2510 B	10/02/07 18:35/jmh
pH	7.76	s.u.		0.01		1	A4500-H B	10/02/07 18:36/jmh
Solids, Total Dissolved TDS @ 180 C	1900	mg/L		5		1	A2540 C	10/02/07 13:05/sn
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	10/08/07 22:08/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	10/08/07 22:08/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/08/07 22:08/eli-c
Boron	0.2	mg/L		0.1		1	E200.7	10/08/07 20:44/eli-c
Cadmium	ND	mg/L		0.01		1	E200.8	10/08/07 22:08/eli-c
Chromium	ND	mg/L		0.05		1	E200.7	10/08/07 20:44/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/08/07 22:08/eli-c
Iron	ND	mg/L		0.03		1	E200.7	10/08/07 20:44/eli-c
Lead	ND	mg/L		0.05		1	E200.8	10/08/07 22:08/eli-c
Manganese	0.28	mg/L		0.01		1	E200.8	10/08/07 22:08/eli-c
Mercury	ND	mg/L		0.0002		1	E200.8	10/08/07 22:08/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/08/07 22:08/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	10/08/07 22:08/eli-c
Selenium	0.002	mg/L		0.001		1	E200.8	10/08/07 22:08/eli-c
Silver	ND	mg/L		0.01		1	E200.8	10/08/07 22:08/eli-c
Thorium 232	ND	mg/L		0.001		1	E200.8	10/08/07 22:08/eli-c
Uranium	0.0027	mg/L		0.0003		1	E200.8	10/08/07 22:08/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090384-004
Client Sample ID: DewBurd GW631

Report Date: 12/10/07
Collection Date: 09/26/07 16:40
Date Received: 09/27/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		1	E200.8	10/08/07 22:08/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	10/08/07 22:08/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	11/30/07 13:23/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.001		1	E200.8	10/04/07 16:08/eli-c
Uranium	0.003	mg/L		0.0003		1	E200.8	10/04/07 16:08/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	51.0	pCi/L		1.0		1	E900.0	10/12/07 01:09/eli-c
Gross Alpha precision (±)	3.2	pCi/L				1	E900.0	10/12/07 01:09/eli-c
Gross Beta	20.9	pCi/L		2.0		1	E900.0	10/12/07 01:09/eli-c
Gross Beta precision (±)	4.9	pCi/L				1	E900.0	10/12/07 01:09/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/25/07 11:25/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	10/29/07 13:00/eli-c
Polonium 210 precision (±)	ND	pCi/L				1	RMO-3008	10/29/07 13:00/eli-c
Radium 226	12.9	pCi/L		0.2		1	E903.0	10/30/07 13:35/eli-c
Radium 226 precision (±)	3.7	pCi/L				1	E903.0	10/30/07 13:35/eli-c
Thorium 230	ND	pCi/L		0.20		1	E907.0	10/29/07 15:00/eli-c
Gross Gamma	520	pCi/L		20		1	E901.1	10/04/07 15:30/eli-c
Gross Gamma precision (±)	100	pCi/L				1	E901.1	10/04/07 15:30/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	11/13/07 17:07/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	10/29/07 13:00/eli-c
Radium 226	2.3	pCi/L		0.2		1	E903.0	12/05/07 12:38/eli-c
Radium 226 precision (±)	1.6	pCi/L				1	E903.0	12/05/07 12:38/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	11/13/07 17:07/eli-c
RADIONUCLIDES - TOTAL								
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/25/07 11:25/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	10/29/07 13:00/eli-c
Radium 226	15.2	pCi/L		0.2		1	E903.0	10/10/07 16:32/eli-c
Radium 226 precision (±)	1.6	pCi/L				1	E903.0	10/10/07 16:32/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	10/29/07 13:00/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090384-004
Client Sample ID: DewBurd GW631

Report Date: 12/10/07
Collection Date: 09/26/07 16:40
Date Received: 09/27/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
A/C Balance (± 5)	-4.28	%				1	A1030 E	11/30/07 16:29/eli-c
Anions	26.9	meq/L				1	A1030 E	11/30/07 16:29/eli-c
Cations	24.7	meq/L				1	A1030 E	11/30/07 16:29/eli-c
Solids, Total Dissolved Calculated	1690	mg/L				1	A1030 E	11/30/07 16:29/eli-c
TDS Balance (0.80 - 1.20)	1.11	dec. %				1	A1030 E	11/30/07 16:29/eli-c

- This Balance uses sulfate data from 200.7 analysis.

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090384-005
Client Sample ID: DewBurd GW635

Report Date: 12/10/07
Collection Date: 09/26/07 18:08
Date Received: 09/27/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	124	mg/L		5		1	A2320 B	10/04/07 16:54/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/04/07 16:54/sn
Bicarbonate as HCO3	151	mg/L		5		1	A2320 B	10/04/07 16:54/sn
Calcium	110	mg/L		0.5		1	E200.7	10/08/07 20:48/eli-c
Magnesium	44.3	mg/L		0.5		1	E200.7	10/08/07 20:48/eli-c
Potassium	7.8	mg/L		0.5		1	E200.7	10/08/07 20:48/eli-c
Silica	8.6	mg/L		0.5		1	E200.7	10/08/07 20:48/eli-c
Sodium	470	mg/L	D	8		10	E200.7	10/08/07 17:54/eli-c
Chloride	24	mg/L		1		5	E300.0	10/02/07 02:41/jmh
Fluoride	0.3	mg/L		0.1		1	E300.0	09/28/07 22:50/jmh
Nitrogen, Ammonia as N	0.1	mg/L		0.1		1	A4500-NH3 G	09/28/07 17:33/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	09/28/07 22:50/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	09/28/07 22:50/jmh
Sulfate	1500	mg/L	D	40		50	E300.0	10/02/07 02:25/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2890	umhos/cm		5.0		1	A2510 B	10/02/07 18:38/jmh
pH	7.72	s.u.		0.01		1	A4500-H B	10/02/07 18:38/jmh
Solids, Total Dissolved TDS @ 180 C	2200	mg/L		5		1	A2540 C	10/02/07 13:05/sn
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	10/04/07 16:16/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	10/04/07 16:16/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/04/07 16:16/eli-c
Boron	0.4	mg/L		0.1		1	E200.7	10/08/07 20:48/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/04/07 16:16/eli-c
Chromium	ND	mg/L		0.05		1	E200.7	10/08/07 20:48/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/04/07 16:16/eli-c
Iron	ND	mg/L		0.03		1	E200.7	10/08/07 20:48/eli-c
Lead	ND	mg/L		0.001		1	E200.8	10/04/07 16:16/eli-c
Manganese	0.06	mg/L		0.01		1	E200.8	10/04/07 16:16/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	10/04/07 16:16/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/04/07 16:16/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	10/04/07 16:16/eli-c
Selenium	0.001	mg/L		0.001		1	E200.8	10/04/07 16:16/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/04/07 16:16/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	10/04/07 16:16/eli-c
Uranium	0.0020	mg/L		0.0003		1	E200.8	10/04/07 16:16/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090384-005
Client Sample ID: DewBurd GW635

Report Date: 12/10/07
Collection Date: 09/26/07 18:08
Date Received: 09/27/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		1	E200.8	10/04/07 16:16/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	10/04/07 16:16/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	10/22/07 13:25/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.0002		1	E200.8	10/08/07 22:16/eli-c
Uranium	0.002	mg/L		0.0003		1	E200.8	10/08/07 22:16/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	2.5	pCi/L		1.0		1	E900.0	10/12/07 01:09/eli-c
Gross Alpha precision (±)	2.6	pCi/L				1	E900.0	10/12/07 01:09/eli-c
Gross Beta	4.3	pCi/L		2.0		1	E900.0	10/12/07 01:09/eli-c
Gross Beta precision (±)	6.9	pCi/L				1	E900.0	10/12/07 01:09/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/25/07 11:25/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	10/29/07 13:00/eli-c
Radium 226	1.6	pCi/L		0.2		1	E903.0	10/10/07 16:32/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	10/10/07 16:32/eli-c
Thorium 230	ND	pCi/L		0.20		1	E907.0	10/29/07 15:00/eli-c
Gross Gamma	960	pCi/L		20		1	E901.1	10/04/07 15:30/eli-c
Gross Gamma precision (±)	160	pCi/L				1	E901.1	10/04/07 15:30/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	11/13/07 17:07/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	10/29/07 13:00/eli-c
Polonium 210 precision (±)	ND	pCi/L				1	RMO-3008	10/29/07 13:00/eli-c
Radium 226	0.8	pCi/L		0.2		1	E903.0	11/13/07 17:07/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	11/13/07 17:07/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	11/13/07 17:07/eli-c
RADIONUCLIDES - TOTAL								
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/25/07 11:25/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	10/29/07 13:00/eli-c
Radium 226	2.4	pCi/L		0.2		1	E903.0	10/30/07 13:35/eli-c
Radium 226 precision (±)	1.5	pCi/L				1	E903.0	10/30/07 13:35/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	10/29/07 13:00/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090384-005
Client Sample ID: DewBurd GW635

Report Date: 12/10/07
Collection Date: 09/26/07 18:08
Date Received: 09/27/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
A/C Balance (± 5)	-1.14	%				1	A1030 E	11/30/07 16:29/eli-c
Anions	30.4	meq/L				1	A1030 E	11/30/07 16:29/eli-c
Cations	29.8	meq/L				1	A1030 E	11/30/07 16:29/eli-c
Solids, Total Dissolved Calculated	2040	mg/L				1	A1030 E	11/30/07 16:29/eli-c
TDS Balance (0.80 - 1.20)	1.09	dec. %				1	A1030 E	11/30/07 16:29/eli-c

- This Balance uses sulfate data from 200.7 analysis.

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

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/10/07
Work Order: R07090384

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 071004A-ALK-SEL-W	
Sample ID: MBLK1_071004A	Method Blank				Run: PH_COND1-R_071004A			10/04/07 15:38	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Bicarbonate as HCO3	ND	mg/L	3						
Carbonate as CO3	ND	mg/L	3						
Sample ID: LCS1_071004A	Laboratory Control Sample				Run: PH_COND1-R_071004A			10/04/07 15:44	
Alkalinity, Total as CaCO3	960	mg/L	5.0	96	90	110			
Sample ID: R07090368-001BMS	Sample Matrix Spike				Run: PH_COND1-R_071004A			10/04/07 16:27	
Alkalinity, Total as CaCO3	350	mg/L	5.0	96	80	120			
Sample ID: R07090385-002AMS	Sample Matrix Spike				Run: PH_COND1-R_071004A			10/04/07 17:05	
Alkalinity, Total as CaCO3	272	mg/L	5.0	108	80	120			
Method: A2510 B								Batch: 071002_1_COND-PROBE-W	
Sample ID: LCS1-1_071002	Laboratory Control Sample				Run: PH_COND2-R_071002A			10/02/07 18:11	
Conductivity @ 25 C	149	umhos/cm	5.0	99	90	110			
Sample ID: LCS2-1_071002	Laboratory Control Sample				Run: PH_COND2-R_071002A			10/02/07 18:12	
Conductivity @ 25 C	4920	umhos/cm	5.0	98	90	110			
Sample ID: LCS_COND-1_071002	Laboratory Control Sample				Run: PH_COND2-R_071002A			10/02/07 18:13	
Conductivity @ 25 C	1410	umhos/cm	5.0	100	90	110			
Sample ID: MBLK-1_071002	Method Blank				Run: PH_COND2-R_071002A			10/02/07 18:13	
Conductivity @ 25 C	ND	umhos/cm	5						
Sample ID: R07090384-004ADUP	Sample Duplicate				Run: PH_COND2-R_071002A			10/02/07 18:36	
Conductivity @ 25 C	2190	umhos/cm	5.0				0.5	10	
Method: A2540 C								Batch: 071002A-SLDS-TDS-W	
Sample ID: MBLK1_071002A	Method Blank				Run: BAL-4-R_071002A			10/02/07 13:16	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: LCS1_071002A	Laboratory Control Sample				Run: BAL-4-R_071002A			10/02/07 13:16	
Solids, Total Dissolved TDS @ 180 C	200	mg/L	5.0	99	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/10/07
Work Order: R07090384

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C								Batch: 071126A-SLDS-TDS-W	
Sample ID: MBLK1_071126A	Method Blank				Run: BAL-4-R_071126B			11/26/07 15:42	
Solids, Total Dissolved TDS @ 180 C	4	mg/L	3						
Sample ID: LCS1_071126A	Laboratory Control Sample				Run: BAL-4-R_071126B			11/26/07 15:43	
Solids, Total Dissolved TDS @ 180 C	210	mg/L	5.0	105	90	110			
Sample ID: R07110245-002BMS	Sample Matrix Spike				Run: BAL-4-R_071126B			11/26/07 15:49	
Solids, Total Dissolved TDS @ 180 C	1900	mg/L	5.0	95	80	120			
Sample ID: R07110245-002BMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_071126B			11/26/07 15:50	
Solids, Total Dissolved TDS @ 180 C	1900	mg/L	5.0	110	80	120	1.6	10	
Method: A4500-H B								Batch: 071002_1_PH-W	
Sample ID: LCS_pH-1_071002	Laboratory Control Sample				Run: PH_COND2-R_071002A			10/02/07 18:08	
pH	6.85	s.u.	0.010	100	98.55	101.45			
Sample ID: R07090384-004ADUP	Sample Duplicate				Run: PH_COND2-R_071002A			10/02/07 18:37	
pH	7.75	s.u.	0.010				0.1	1.25	
Method: A4500-NH3 G								Batch: A2007-09-28_2_NH3_01	
Sample ID: MBLK-1	Method Blank				Run: TECHAA2-R_070928A			09/28/07 14:57	
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_070928A			09/28/07 15:00	
Nitrogen, Ammonia as N	0.27	mg/L	0.10	106	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_070928A			09/28/07 15:01	
Nitrogen, Ammonia as N	0.27	mg/L	0.10	107	90	110			
Sample ID: R07090384-001BDUP	Sample Duplicate				Run: TECHAA2-R_070928A			09/28/07 17:27	
Nitrogen, Ammonia as N	0.19	mg/L	0.10				0.5	10	
Sample ID: R07090384-002BMS	Sample Matrix Spike				Run: TECHAA2-R_070928A			09/28/07 17:30	
Nitrogen, Ammonia as N	0.33	mg/L	0.10	115	80	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/10/07
Work Order: R07090384

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R90934
Sample ID: LFB-TM	Laboratory Fortified Blank				Run: SUB-C90934				10/08/07 14:46
Silica	2.0	mg/L	0.10	98	85	125			
Boron	1.9	mg/L	0.10	95	85	125			
Chromium	2.0	mg/L	0.050	98	85	125			
Iron	1.9	mg/L	0.030	96	85	125			
Sample ID: LFB-MAJORS	Laboratory Fortified Blank				Run: SUB-C90934				10/08/07 14:49
Calcium	25	mg/L	0.50	102	85	125			
Magnesium	25	mg/L	0.50	100	85	125			
Potassium	28	mg/L	0.50	110	85	125			
Sodium	25	mg/L	0.76	102	85	125			
Sample ID: LRB	Laboratory Reagent Blank				Run: SUB-C90934				10/08/07 14:56
Silica	ND	mg/L	0.10		0	0			
Boron	0.012	mg/L	0.10		0	0			
Calcium	ND	mg/L	0.50		0	0			
Chromium	ND	mg/L	0.050		0	0			
Iron	ND	mg/L	0.030		0	0			
Magnesium	ND	mg/L	0.50		0	0			
Potassium	0.039	mg/L	0.50		0	0			
Sodium	ND	mg/L	0.76		0	0			
Sample ID: C07100214-001CMS	Sample Matrix Spike				Run: SUB-C90934				10/08/07 17:18
Boron	9.32	mg/L	0.10	93	70	130			
Calcium	449	mg/L	1.0	84	70	130			
Chromium	9.45	mg/L	0.050	95	70	130			
Iron	9.09	mg/L	0.046	91	70	130			
Magnesium	432	mg/L	0.50	84	70	130			
Potassium	1130	mg/L	0.50	93	70	130			
Silica	16.0	mg/L	0.20	85	70	130			
Sodium	681	mg/L	7.6	86	70	130			
Sample ID: C07100214-001CMSD	Sample Matrix Spike Duplicate				Run: SUB-C90934				10/08/07 17:21
Boron	9.66	mg/L	0.10	97	70	130	3.6	20	
Calcium	459	mg/L	1.0	86	70	130	2.1	20	
Chromium	9.63	mg/L	0.050	96	70	130	1.9	20	
Iron	9.41	mg/L	0.046	94	70	130	3.5	20	
Magnesium	439	mg/L	0.50	86	70	130	1.7	20	
Potassium	1150	mg/L	0.50	95	70	130	1.7	20	
Silica	16.4	mg/L	0.20	90	70	130	2.5	20	
Sodium	698	mg/L	7.6	90	70	130	2.5	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/10/07
Work Order: R07090384

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R90934
Sample ID: LFB-TM	Laboratory Fortified Blank				Run: SUB-C90934				10/08/07 22:59
Silica	1.8	mg/L	0.10	91	85	125			
Boron	1.9	mg/L	0.10	94	85	125			
Chromium	1.8	mg/L	0.050	90	85	125			
Iron	1.8	mg/L	0.030	88	85	125			
Sample ID: LFB-MAJORS	Laboratory Fortified Blank				Run: SUB-C90934				10/08/07 23:02
Potassium	27	mg/L	0.50	109	85	125			
Method: E200.8									Batch: C_16355
Sample ID: MB-16355	Method Blank				Run: SUB-C90947				10/08/07 21:39
Mercury	ND	mg/L	3E-05						
Sample ID: LCS-16355	Laboratory Control Sample				Run: SUB-C90947				10/08/07 21:53
Uranium	0.50	mg/L	0.00038	100	85	115			
Sample ID: C07100221-004D MS4	Post Digestion Spike				Run: SUB-C91068				10/11/07 08:36
Mercury	0.050	mg/L	0.0010	100	70	130			
Sample ID: C07100221-004D MSD4	Post Digestion Spike Duplicate				Run: SUB-C91068				10/11/07 08:42
Mercury	0.050	mg/L	0.0010	100	70	130	0.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/10/07
Work Order: R07090384

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R90827
Sample ID: LRB	Method Blank				Run: SUB-C90827				10/04/07 12:35
Aluminum	ND	mg/L	0.0002						
Arsenic	ND	mg/L	0.0002						
Barium	ND	mg/L	9E-05						
Cadmium	0.0002	mg/L	0.0002						
Copper	ND	mg/L	0.0001						
Lead	ND	mg/L	2E-05						
Manganese	3E-05	mg/L	3E-05						
Mercury	7E-05	mg/L	6E-06						
Molybdenum	0.0005	mg/L	7E-05						
Nickel	0.0003	mg/L	8E-05						
Selenium	ND	mg/L	0.0004						
Silver	ND	mg/L	3E-05						
Thorium 232	0.00010	mg/L	6E-05						
Uranium	ND	mg/L	4E-05						
Vanadium	ND	mg/L	9E-05						
Zinc	ND	mg/L	0.002						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C90827				10/04/07 12:42
Aluminum	0.0497	mg/L	0.0010	99	85	115			
Arsenic	0.0496	mg/L	0.0010	99	85	115			
Barium	0.0490	mg/L	0.0010	98	85	115			
Cadmium	0.0500	mg/L	0.0010	100	85	115			
Copper	0.0504	mg/L	0.0010	101	85	115			
Lead	0.0498	mg/L	0.0010	100	85	115			
Manganese	0.0492	mg/L	0.0010	98	85	115			
Mercury	0.00506	mg/L	0.0010	100	85	115			
Molybdenum	0.0504	mg/L	0.0010	100	85	115			
Nickel	0.0506	mg/L	0.0010	101	85	115			
Selenium	0.0495	mg/L	0.0010	99	85	115			
Silver	0.0197	mg/L	0.0010	98	85	115			
Thorium 232	0.0499	mg/L	0.0010	100	85	115			
Uranium	0.0504	mg/L	0.00030	101	85	115			
Vanadium	0.0497	mg/L	0.0010	99	85	115			
Zinc	0.0528	mg/L	0.0021	106	85	115			
Sample ID: C07100156-001EMS4	Post Digestion Spike				Run: SUB-C90827				10/04/07 18:32
Aluminum	0.245	mg/L	0.10	97	70	130			
Arsenic	0.258	mg/L	0.0010	102	70	130			
Barium	0.357	mg/L	0.10	101	70	130			
Cadmium	0.247	mg/L	0.010	99	70	130			
Copper	0.251	mg/L	0.010	97	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/10/07
Work Order: R07090384

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R90827
Sample ID: C07100156-001EMS4	Post Digestion Spike				Run: SUB-C90827				10/04/07 18:32
Lead	0.255	mg/L	0.050	102	70	130			
Manganese	0.248	mg/L	0.010	98	70	130			
Mercury	0.0257	mg/L	0.0010	103	70	130			
Molybdenum	0.262	mg/L	0.10	103	70	130			
Nickel	0.247	mg/L	0.050	97	70	130			
Selenium	0.246	mg/L	0.0020	97	70	130			
Silver	0.0828	mg/L	0.010	83	70	130			
Thorium 232	0.252	mg/L	0.0010	100	70	130			
Uranium	0.305	mg/L	0.00030	105	70	130			
Vanadium	0.259	mg/L	0.10	101	70	130			
Zinc	0.275	mg/L	0.010	100	70	130			
Sample ID: C07100156-001EMSD4	Post Digestion Spike Duplicate				Run: SUB-C90827				10/04/07 18:39
Aluminum	0.251	mg/L	0.10	99	70	130	2.2	20	
Arsenic	0.257	mg/L	0.0010	101	70	130	0.1	20	
Barium	0.356	mg/L	0.10	101	70	130	0.2	20	
Cadmium	0.247	mg/L	0.010	99	70	130	0.1	20	
Copper	0.252	mg/L	0.010	98	70	130	0.2	20	
Lead	0.257	mg/L	0.050	103	70	130	0.7	20	
Manganese	0.250	mg/L	0.010	98	70	130	0.5	20	
Mercury	0.0258	mg/L	0.0010	103	70	130	0.8	20	
Molybdenum	0.261	mg/L	0.10	103	70	130	0.5	20	
Nickel	0.240	mg/L	0.050	95	70	130	2.7	20	
Selenium	0.249	mg/L	0.0020	98	70	130	1.3	20	
Silver	0.0893	mg/L	0.010	89	70	130	7.6	20	
Thorium 232	0.261	mg/L	0.0010	104	70	130	3.7	20	
Uranium	0.308	mg/L	0.00030	107	70	130	1.0	20	
Vanadium	0.259	mg/L	0.10	101	70	130	0.1	20	
Zinc	0.274	mg/L	0.010	100	70	130	0.5	20	
Sample ID: C07100175-002EMS4	Post Digestion Spike				Run: SUB-C90827				10/04/07 20:17
Thorium 232	0.0494	mg/L	0.0010	99	70	130			
Aluminum	0.0420	mg/L	0.10	84	70	130			
Arsenic	0.0538	mg/L	0.0010	103	70	130			
Barium	0.272	mg/L	0.10		70	130			A
Cadmium	0.0498	mg/L	0.0010	100	70	130			
Copper	0.0585	mg/L	0.010	96	70	130			
Lead	0.0575	mg/L	0.0010	99	70	130			
Manganese	0.0472	mg/L	0.010	92	70	130			
Mercury	0.00492	mg/L	0.0010	98	70	130			
Molybdenum	0.0518	mg/L	0.10	100	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/10/07
Work Order: R07090384

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R90827
Sample ID: C07100175-002EMS4	Post Digestion Spike				Run: SUB-C90827				10/04/07 20:17
Nickel	0.0556	mg/L	0.050	97	70	130			
Selenium	0.0546	mg/L	0.0010	107	70	130			
Silver	0.0135	mg/L	0.010	68	70	130			S
Uranium	0.0619	mg/L	0.00030	101	70	130			
Vanadium	0.0529	mg/L	0.10	99	70	130			
Zinc	0.181	mg/L	0.010	100	70	130			
- Matrix spike recoveries outside the acceptance criteria of 70 to 130 percent are considered matrix related, not system related. Reported values are within method specifications. (EPA Method 200.8, par. 9.4.4)									
Sample ID: C07100175-002EMSD4	Post Digestion Spike Duplicate				Run: SUB-C90827				10/04/07 20:24
Thorium 232	0.0517	mg/L	0.0010	103	70	130	4.5	20	
Aluminum	0.0420	mg/L	0.10	84	70	130	0.0	20	
Arsenic	0.0545	mg/L	0.0010	105	70	130	1.2	20	
Barium	0.272	mg/L	0.10		70	130	0.1	20	A
Cadmium	0.0497	mg/L	0.0010	99	70	130	0.2	20	
Copper	0.0591	mg/L	0.010	97	70	130	1.0	20	
Lead	0.0580	mg/L	0.0010	100	70	130	0.8	20	
Manganese	0.0482	mg/L	0.010	95	70	130	2.1	20	
Mercury	0.00507	mg/L	0.0010	101	70	130	2.9	20	
Molybdenum	0.0520	mg/L	0.10	100	70	130	0.0	20	
Nickel	0.0565	mg/L	0.050	99	70	130	1.6	20	
Selenium	0.0549	mg/L	0.0010	107	70	130	0.7	20	
Silver	0.0176	mg/L	0.010	88	70	130	26	20	R
Uranium	0.0634	mg/L	0.00030	104	70	130	2.5	20	
Vanadium	0.0539	mg/L	0.10	101	70	130	0.0	20	
Zinc	0.182	mg/L	0.010	102	70	130	0.5	20	
- Matrix spike duplicate recoveries outside the acceptance criteria of 70 to 130 percent are considered matrix related, not system related. Reported values are within method specifications. (EPA Method 200.8, par. 9.4.4)									
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C90827				10/05/07 01:53
Arsenic	0.0494	mg/L	0.0010	99	85	115			
Barium	0.0496	mg/L	0.0010	99	85	115			
Cadmium	0.0486	mg/L	0.0010	97	85	115			
Copper	0.0495	mg/L	0.0010	99	85	115			
Lead	0.0495	mg/L	0.0010	99	85	115			
Manganese	0.0477	mg/L	0.0010	95	85	115			
Molybdenum	0.0497	mg/L	0.0010	99	85	115			
Nickel	0.0486	mg/L	0.0010	97	85	115			
Selenium	0.0500	mg/L	0.0010	100	85	115			
Thorium 232	0.0482	mg/L	0.0010	96	85	115			
Uranium	0.0495	mg/L	0.00030	99	85	115			
Vanadium	0.0477	mg/L	0.0010	95	85	115			
Zinc	0.0512	mg/L	0.0021	102	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

R - RPD exceeds advisory limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/10/07
Work Order: R07090384

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R90827
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C90827				10/05/07 01:53
Method: E200.8									Batch: C_R90894
Sample ID: LRB	Method Blank				Run: SUB-C90894				10/05/07 22:50
Aluminum	0.001	mg/L	0.0002						
Arsenic	ND	mg/L	0.0002						
Barium	ND	mg/L	9E-05						
Cadmium	ND	mg/L	0.0002						
Copper	0.0002	mg/L	0.0001						
Lead	ND	mg/L	2E-05						
Manganese	9E-05	mg/L	3E-05						
Mercury	3E-05	mg/L	6E-06						
Molybdenum	8E-05	mg/L	7E-05						
Nickel	9E-05	mg/L	8E-05						
Selenium	ND	mg/L	0.0004						
Silver	4E-05	mg/L	3E-05						
Thorium 232	7E-05	mg/L	6E-05						
Uranium	ND	mg/L	4E-05						
Vanadium	ND	mg/L	9E-05						
Zinc	0.002	mg/L	0.002						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C90894				10/05/07 22:57
Aluminum	0.0495	mg/L	0.0010	97	85	115			
Arsenic	0.0501	mg/L	0.0010	100	85	115			
Barium	0.0472	mg/L	0.0010	95	85	115			
Cadmium	0.0500	mg/L	0.0010	100	85	115			
Copper	0.0507	mg/L	0.0010	101	85	115			
Lead	0.0498	mg/L	0.0010	100	85	115			
Manganese	0.0495	mg/L	0.0010	99	85	115			
Mercury	0.00501	mg/L	0.0010	100	85	115			
Molybdenum	0.0513	mg/L	0.0010	102	85	115			
Nickel	0.0508	mg/L	0.0010	101	85	115			
Selenium	0.0500	mg/L	0.0010	100	85	115			
Silver	0.0202	mg/L	0.0010	101	85	115			
Thorium 232	0.0490	mg/L	0.0010	98	85	115			
Uranium	0.0491	mg/L	0.00030	98	85	115			
Vanadium	0.0498	mg/L	0.0010	100	85	115			
Zinc	0.0523	mg/L	0.0021	100	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/10/07
Work Order: R07090384

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R90947
Sample ID: LRB	Method Blank				Run: SUB-C90947				10/08/07 12:54
Aluminum	0.001	mg/L	0.0002						
Arsenic	ND	mg/L	0.0002						
Barium	ND	mg/L	9E-05						
Cadmium	ND	mg/L	0.0002						
Copper	ND	mg/L	0.0001						
Lead	4E-05	mg/L	2E-05						
Manganese	ND	mg/L	3E-05						
Mercury	4E-05	mg/L	6E-06						
Molybdenum	0.0004	mg/L	7E-05						
Nickel	0.0002	mg/L	8E-05						
Selenium	ND	mg/L	0.0004						
Silver	ND	mg/L	3E-05						
Thorium 232	0.0001	mg/L	6E-05						
Uranium	ND	mg/L	4E-05						
Vanadium	ND	mg/L	9E-05						
Zinc	ND	mg/L	0.002						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C90947				10/08/07 13:02
Aluminum	0.0543	mg/L	0.0010	106	85	115			
Arsenic	0.0513	mg/L	0.0010	103	85	115			
Barium	0.0517	mg/L	0.0010	103	85	115			
Cadmium	0.0517	mg/L	0.0010	103	85	115			
Copper	0.0525	mg/L	0.0010	105	85	115			
Lead	0.0521	mg/L	0.0010	104	85	115			
Manganese	0.0528	mg/L	0.0010	106	85	115			
Mercury	0.00513	mg/L	0.0010	102	85	115			
Molybdenum	0.0516	mg/L	0.0010	103	85	115			
Nickel	0.0531	mg/L	0.0010	106	85	115			
Selenium	0.0511	mg/L	0.0010	102	85	115			
Silver	0.0200	mg/L	0.0010	100	85	115			
Thorium 232	0.0514	mg/L	0.0010	102	85	115			
Uranium	0.0513	mg/L	0.00030	103	85	115			
Vanadium	0.0523	mg/L	0.0010	105	85	115			
Zinc	0.0507	mg/L	0.0021	101	85	115			
Sample ID: C07091372-007EMS4	Post Digestion Spike				Run: SUB-C90947				10/09/07 05:48
Aluminum	0.561	mg/L	0.10	109	70	130			
Arsenic	0.513	mg/L	0.0016	103	70	130			
Barium	0.524	mg/L	0.10	101	70	130			
Cadmium	0.499	mg/L	0.010	100	70	130			
Copper	0.526	mg/L	0.010	98	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/10/07
Work Order: R07090384

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R90947
Sample ID: C07091372-007EMS4	Post Digestion Spike				Run: SUB-C90947				10/09/07 05:48
Lead	0.518	mg/L	0.050	103	70	130			
Manganese	1.34	mg/L	0.010	103	70	130			
Mercury	0.0525	mg/L	0.0010	105	70	130			
Molybdenum	0.531	mg/L	0.10	105	70	130			
Nickel	0.747	mg/L	0.050	99	70	130			
Selenium	0.885	mg/L	0.0040	106	70	130			
Thorium 232	0.532	mg/L	0.0010	106	70	130			
Uranium	0.923	mg/L	0.00035	114	70	130			
Vanadium	0.507	mg/L	0.10	101	70	130			
Sample ID: C07091372-007EMSD4	Post Digestion Spike Duplicate				Run: SUB-C90947				10/09/07 05:55
Aluminum	0.552	mg/L	0.10	108	70	130	1.5	20	
Arsenic	0.504	mg/L	0.0016	101	70	130	1.7	20	
Barium	0.519	mg/L	0.10	100	70	130	1.0	20	
Cadmium	0.496	mg/L	0.010	99	70	130	0.6	20	
Copper	0.530	mg/L	0.010	99	70	130	0.7	20	
Lead	0.508	mg/L	0.050	101	70	130	2.0	20	
Manganese	1.33	mg/L	0.010	101	70	130	0.7	20	
Mercury	0.0528	mg/L	0.0010	106	70	130	0.5	20	
Molybdenum	0.535	mg/L	0.10	106	70	130	0.7	20	
Nickel	0.750	mg/L	0.050	99	70	130	0.4	20	
Selenium	0.875	mg/L	0.0040	104	70	130	1.2	20	
Thorium 232	0.533	mg/L	0.0010	107	70	130	0.3	20	
Uranium	0.915	mg/L	0.00035	112	70	130	0.9	20	
Vanadium	0.501	mg/L	0.10	100	70	130	1.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/10/07
Work Order: R07090384

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R31616
Sample ID: LFB0709285802-3	Laboratory Fortified Blank				Run: DIONEX_070928A				09/28/07 21:11
Chloride	4.70	mg/L	0.50	94	90	110			
Fluoride	2.01	mg/L	0.10	100	90	110			
Nitrogen, Nitrate as N	2.39	mg/L	0.10	96	90	110			
Nitrogen, Nitrite as N	2.38	mg/L	0.10	95	90	110			
Sample ID: LFB0709285802-4	Laboratory Fortified Blank				Run: DIONEX_070928A				09/28/07 21:27
Nitrogen, Nitrate as N	2.68	mg/L	0.10	107	90	110			
Sample ID: R07100002-001AMS	Sample Matrix Spike				Run: DIONEX_070928A				09/29/07 20:57
Chloride	97.4	mg/L	0.50		80	120			A
Fluoride	2.27	mg/L	0.10	91	80	120			
Nitrogen, Nitrate as N	2.23	mg/L	0.10	89	80	120			
Nitrogen, Nitrite as N	3.66	mg/L	0.10	146	80	120			S
Sample ID: R07100002-001AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_070928A				09/29/07 21:13
Chloride	96.9	mg/L	0.50		80	120	0.4	10	A
Fluoride	2.24	mg/L	0.10	89	80	120	1.3	10	
Nitrogen, Nitrate as N	2.31	mg/L	0.10	92	80	120	3.5	10	
Nitrogen, Nitrite as N	3.85	mg/L	0.10	154	80	120	5.1	10	S
Method: E300.0									Batch: R31638
Sample ID: LFB0710013150-3	Laboratory Fortified Blank				Run: DIONEX_071001A				10/01/07 20:24
Chloride	4.94	mg/L	0.50	99	90	110			
Sulfate	14.6	mg/L	1.0	97	90	110			
Sample ID: LFB0710013150-4	Laboratory Fortified Blank				Run: DIONEX_071001A				10/01/07 20:40
Chloride	4.65	mg/L	0.50	93	90	110			
Sulfate	14.3	mg/L	1.0	95	90	110			
Sample ID: R07090385-001AMS	Sample Matrix Spike				Run: DIONEX_071001A				10/02/07 03:47
Chloride	106	mg/L	0.80	93	80	120			
Sulfate	1610	mg/L	14		80	120			A
Sample ID: R07090385-001AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_071001A				10/02/07 04:03
Chloride	105	mg/L	0.80	91	80	120	1.1	10	
Sulfate	1590	mg/L	14		80	120	1.2	10	A

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/10/07
Work Order: R07090384

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0									Batch: C_GrAB-0330
Sample ID: MB-GrAB-0330	Method Blank				Run: SUB-C91156				10/10/07 22:43
Gross Alpha	ND	pCi/L	1						
Gross Beta	ND	pCi/L	2						
Sample ID: UNAT-GrAB-0330	Laboratory Control Sample				Run: SUB-C91156				10/10/07 22:43
Gross Alpha	300	pCi/L	1.0	104	70	130			
Sample ID: Cs137-GrAB-0330	Laboratory Control Sample				Run: SUB-C91156				10/10/07 22:43
Gross Beta	90	pCi/L	2.0	98	70	130			
Sample ID: C07090855-001AMS	Sample Matrix Spike				Run: SUB-C91156				10/10/07 22:43
Gross Alpha	400	pCi/L	1.0	72	70	130			
Sample ID: C07090855-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C91156				10/10/07 22:43
Gross Alpha	400	pCi/L	1.0	70	70	130	3.2	13.9	
Sample ID: C07090855-001AMS	Sample Matrix Spike				Run: SUB-C91156				10/10/07 22:43
Gross Beta	200	pCi/L	2.0	88	70	130			
Sample ID: C07090855-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C91156				10/10/07 22:43
Gross Beta	200	pCi/L	2.0	95	70	130	8.3	15.6	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/10/07
Work Order: R07090384

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E901.1									Batch: C_R90863
Sample ID: LCS-R90863	Laboratory Control Sample				Run: SUB-C90863				10/04/07 15:30
Americium 241	730	pCi/L	20	90	70	130			
Cesium 137	1100	pCi/L	20	80	70	130			
Potassium 40	7200	pCi/L	20	108	70	130			
Sample ID: MB-R90863	Method Blank				Run: SUB-C90863				10/04/07 15:30
Uranium 238	ND	pCi/L	20						
Actinium 228	ND	pCi/L	20						
Americium 241	ND	pCi/L	20						
Barium 133	ND	pCi/L	20						
Bismuth 212	ND	pCi/L	20						
Bismuth 214	ND	pCi/L	20						
Cesium 134	ND	pCi/L	20						
Cesium 137	ND	pCi/L	20						
Cobalt 60	ND	pCi/L	20						
Iodine 125	ND	pCi/L	20						
Iodine 131	ND	pCi/L	20						
Lead 212	ND	pCi/L	20						
Lead 214	ND	pCi/L	20						
Manganese 54	ND	pCi/L	20						
Potassium 40	ND	pCi/L	20						
Radium 223	ND	pCi/L	20						
Radium 224	ND	pCi/L	20						
Thallium 208	ND	pCi/L	20						
Thorium 228	ND	pCi/L	20						
Thorium 234	ND	pCi/L	20						
Zinc 65	ND	pCi/L	20						
Radium 226	ND	pCi/L	20						
Radium 228	ND	pCi/L	20						
Gross Gamma	ND	pCi/L	20						
Sample ID: R07090384-005E	Sample Duplicate				Run: SUB-C90863				10/04/07 15:30
Gross Gamma	1100	pCi/L	20				9.4	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/10/07
Work Order: R07090384

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: C_RA226-2347
Sample ID: R07090384-001D	Sample Matrix Spike				Run: SUB-C91100				10/10/07 16:32
Radium 226	15	pCi/L	0.20	85	70	130			
Sample ID: R07090384-001D	Sample Matrix Spike Duplicate				Run: SUB-C91100				10/10/07 16:32
Radium 226	18	pCi/L	0.20	113	70	130	22	30.7	
Sample ID: MB-RA226-2347	Method Blank				Run: SUB-C91100				10/11/07 11:16
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-2347	Laboratory Control Sample				Run: SUB-C91100				10/11/07 11:16
Radium 226	16	pCi/L	0.20	129	70	130			
Method: E903.0									Batch: C_RA226-2384
Sample ID: C07100798-002AMS	Sample Matrix Spike				Run: SUB-C92054				10/30/07 15:07
Radium 226	48	pCi/L	0.20	92	70	130			
- MS and MSD were inadvertently spiked at double the standard amount.									
Sample ID: C07100798-002AMSD	Sample Matrix Spike Duplicate				Run: SUB-C92054				10/30/07 15:07
Radium 226	60	pCi/L	0.20	120	70	130	22	21	R
- MS and MSD were inadvertently spiked at double the standard amount.									
- The RPD for the spike is high. The individual Spike recoveries are within range, the MB is acceptable, and the LCS is within range, therefore the batch is approved.									
Sample ID: MB-RA226-2384	Method Blank				Run: SUB-C92054				10/30/07 16:33
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-2384	Laboratory Control Sample				Run: SUB-C92054				10/30/07 16:33
Radium 226	13	pCi/L	0.20	104	70	130			
Method: E907.0									Batch: C_R92301
Sample ID: LCS-R92301	Laboratory Control Sample				Run: SUB-C92301				10/29/07 13:00
Thorium 230	5.20	pCi/L	0.20	88	70	130			
Sample ID: C07100216-001EDUP	Sample Duplicate				Run: SUB-C92301				10/29/07 13:00
Thorium 230	ND	pCi/L	0.20				0.0	30	
Sample ID: C07100216-003EMS	Sample Matrix Spike				Run: SUB-C92301				10/29/07 13:00
Thorium 230	52.4	pCi/L	0.20	93	70	130			
Sample ID: MB-R92301	Method Blank				Run: SUB-C92301				10/29/07 13:00
Thorium 230	ND	pCi/L	0.2						

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
R - RPD exceeds advisory limit.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/10/07
Work Order: R07090384

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: C_R92443
Sample ID: LCS-R92443	Laboratory Control Sample				Run: SUB-C92443				10/29/07 15:00
Thorium 230	6	pCi/L	0.20	97	70	130			
Sample ID: C07100343-003EMS	Sample Matrix Spike				Run: SUB-C92443				10/29/07 15:00
Thorium 230	20	pCi/L	0.20	105	70	130			
Sample ID: C07100343-003EMSD	Sample Matrix Spike Duplicate				Run: SUB-C92443				10/29/07 15:00
Thorium 230	20	pCi/L	0.20	106	70	130	0.5	30	
Sample ID: MB-R92443	Method Blank				Run: SUB-C92443				10/29/07 15:00
Thorium 230	ND	pCi/L	0.2						
Method: E909.0M									Batch: C_R92396
Sample ID: C07100216-002EDUP	Sample Duplicate				Run: SUB-C92396				10/25/07 11:25
Lead 210	ND	pCi/L	1.0				0.0	30	
Sample ID: C07100214-001EMS	Sample Matrix Spike				Run: SUB-C92396				10/25/07 11:25
Lead 210	480	pCi/L	1.0	118	70	130			
Sample ID: MB-R92396	Method Blank				Run: SUB-C92396				10/25/07 11:25
Lead 210	ND	pCi/L	1						
Sample ID: LCS-R92396	Laboratory Control Sample				Run: SUB-C92396				10/25/07 11:25
Lead 210	94	pCi/L	1.0	116	70	130			
Method: RMO-3008									Batch: C_R92111
Sample ID: MB-R92111	Method Blank				Run: SUB-C92111				10/29/07 13:00
Polonium 210	ND	pCi/L	1						
Sample ID: LCS-R92111	Laboratory Control Sample				Run: SUB-C92111				10/29/07 13:00
Polonium 210	17	pCi/L	1.0	78	70	130			
Sample ID: C07100214-005EMS	Sample Matrix Spike				Run: SUB-C92111				10/29/07 13:00
Polonium 210	170	pCi/L	1.0	77	70	130			
Sample ID: C07100214-005EMSD	Sample Matrix Spike Duplicate				Run: SUB-C92111				10/29/07 13:00
Polonium 210	170	pCi/L	1.0	77	70	130	0.3	30	

Qualifiers:

RL - 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: RESPEC	Project Name, PWS #, Permit #, Etc.: Powertech Dewey-Burdock		
Report Mail Address:	Contact Name, Phone, Fax, E-mail: Cory Foreman 394-6505	Sampler Name if other than Contact: Eric Krantz 394-6436	
Invoice Address:	Invoice Contact & Phone #:	Purchase Order #:	ELI Quote #:

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 _____

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

Comments:

Receipt Temp 4.6 °C on ice
Cooler ID(s) _____
Custody Seal Y N
Intact Y N
Signature Match Y N
Lab ID

ANALYSIS REQUESTED

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

A Per Quote

SEE ATTACHED

Normal Turnaround (TAT)
RUSH Turnaround (TAT)

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	Comments	LABORATORY USE ONLY
1	DewBurd GW18 (Pinkosky)	9/26/07	10:39		Groundwater - Battle Sat	B07090384-00
2	~~DewBurd CHR01~~	9/26/07	12:01		Surface water Battle Sat CHR01	
3	DewBurd BVC01	9/26/07	12:46		Surface water Battlesat BVC01	
4	DewBurd GW02 (Peterson)	9/26/07	~~17:35~~ 12:46		Groundwater Battle Sat GW02	002
5	DewBurd GW08 (Engelbert)	9/26/07	14:33		Groundwater Battle Sat GW08	003
6	DewBurd GW631	9/26/07	16:40		Groundwater Battlesat GW631	004
7	DewBurd GW635	9/26/07	18:08		Groundwater Battlesat GW635	005
8	~~DewBurd SW08~~	9/26/07	18:40		Surface Water Battlesat SW08	
9	~~DewBurd CHR05~~	9/26/07	15:30		Surface Water	
10						

Custody Record MUST be Signed

Relinquished by:	Date/Time: 9/27/07 9:54	Shipped by:	Received by: Date/Time: 9/27/07 9:54
Relinquished by:	Date/Time:	Shipped by:	Received by: Date/Time:

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

LABORATORY USE ONLY
Sample Type: _____ # of fractions _____

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, & links.

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ANALYTICAL SUMMARY REPORT

December 19, 2007

Cory Freeman
RESPEC Inc
3824 Jet Dr
Rapid City, SD 57701-

Workorder No.: R07090385 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 5 samples from RESPEC Inc on 9/28/2007 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R07090385-001	DewBurd GW619	09/27/07 17:45	09/28/07	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Anions by Ion Chromatography Uranium, Suspended Nitrogen, Ammonia pH Digestion, Total Metals Dissolved Filtration Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Lead 210, Total Polonium 210, Dissolved Polonium 210, Suspended Polonium 210, Total Radium 226, Dissolved Radium 226, Suspended Radium 226, Total Thorium, Isotopic Thorium, Suspended Isotopic Thorium, Isotopic Solids, Total Dissolved
R07090385-002	Dew Burd GW 16	09/27/07 19:18	09/28/07	Aqueous	Same As Above
R07090385-003	Dew Burd GW 4002A	09/27/07 14:35	09/28/07	Aqueous	Same As Above
R07090385-004	Dew Burd GW 4002B	09/27/07 14:39	09/28/07	Aqueous	Same As Above
R07090385-005	Dew Burd GW 13	09/27/07 15:45	09/28/07	Aqueous	Same As Above

Thank you for submitting your samples to Energy Laboratories, Inc. - Rapid City. The following pages contain the results of the sample tests listed above and applicable analytical notes.

The samples were analyzed in accordance with the methods specified on the analytical reports. All analyses were accompanied by appropriate quality control samples throughout the test. Where applicable, the results of these quality control samples will be included, following your analytical data.

If you have any questions regarding the analyses performed or the results of these analyses, please contact Energy Laboratories Inc. - Rapid City at (605) 342-1225, (888) 672-1225 or Rapid_City@energylab.com.

Report Approved By: Linda Yan

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Date: *19-Dec-07*

CLIENT: RESPEC Inc
Project: Edgemont
Sample Delivery Group: R07090385

CASE NARRATIVE

This case narrative is used to explain any exceptions to the analyses performed for your sample(s). In accordance with Good Analytical Laboratory Practices (GALP), samples requiring data qualifiers or analytical modifications are explained herein.

All samples were analyzed in accordance with prescribed methodology, except were noted. Samples are accompanied by appropriate quality assurance/quality control (QA/QC) samples throughout the analytical process.

During the course of analyzing your sample(s) the following exceptions were noted.
- Any exceptions noted are listed in the Analytical Report, and
- Suspended radiochemical data was determined from the subtraction of the dissolved parameter from the total parameter.

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

BRANCH LABORATORY IDENTIFIERS
eli-b - Energy Laboratories, Inc. - Billings, MT, EPA # MT00005
eli-c - Energy Laboratories, Inc. - Casper, WY, EPA# WY00002
eli-f - Energy Laboratories, Inc. - Idaho Falls, ID, EPA # ID00942
eli-g - Energy Laboratories, Inc. - Gillette, WY, EPA# WY00006
eli-h - Energy Laboratories, Inc. - Helena, MT, EPA# MT00945
eli-t - Energy Laboratories, Inc. - College Station, TX, EPA# TX01520

For additional information, including certifications, and analytical services visit our web page www.energylab.com.

If you have questions regarding this information, please feel free to contact us at (888)672-1225, (605)342-1225 or rapid_city@energylab.com.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090385-001
Client Sample ID: DewBurd GW619

Report Date: 12/19/07
Collection Date: 09/27/07 17:45
Date Received: 09/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	140	mg/L		5		1	A2320 B	10/04/07 16:58/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/04/07 16:58/sn
Bicarbonate as HCO3	171	mg/L		5		1	A2320 B	10/04/07 16:58/sn
Calcium	304	mg/L	D	1		10	E200.7	10/09/07 19:16/eli-c
Magnesium	106	mg/L		0.5		10	E200.7	10/09/07 19:16/eli-c
Potassium	16.9	mg/L		0.5		2	E200.7	10/09/07 21:51/eli-c
Silica	7.5	mg/L		0.5		2	E200.7	10/09/07 21:51/eli-c
Sodium	80	mg/L	D	8		10	E200.7	10/09/07 19:16/eli-c
Chloride	9	mg/L		1		1	E300.0	09/28/07 23:06/jmh
Fluoride	0.2	mg/L		0.1		1	E300.0	09/28/07 23:06/jmh
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	09/28/07 17:34/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	09/28/07 23:06/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	09/28/07 23:06/jmh
Sulfate	1440	mg/L	D	10		20	E300.0	10/02/07 03:30/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2270	umhos/cm		5		1	A2510 B	10/02/07 18:39/jmh
pH	7.03	s.u.		0.01		1	A4500-H B	10/02/07 18:39/jmh
Solids, Total Dissolved TDS @ 180 C	2100	mg/L		5		1	A2540 C	10/02/07 13:05/sn
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	10/09/07 02:10/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	10/09/07 02:10/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/09/07 02:10/eli-c
Boron	ND	mg/L		0.1		2	E200.7	10/09/07 21:51/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/09/07 02:10/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	10/09/07 02:10/eli-c
Copper	0.08	mg/L		0.01		1	E200.8	10/09/07 02:10/eli-c
Iron	1.95	mg/L		0.03		2	E200.7	10/09/07 21:51/eli-c
Lead	0.008	mg/L		0.001		1	E200.8	10/09/07 02:10/eli-c
Manganese	1.51	mg/L		0.01		1	E200.8	10/09/07 02:10/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	10/09/07 02:10/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/09/07 02:10/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	10/09/07 02:10/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	10/09/07 02:10/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/09/07 02:10/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	10/09/07 02:10/eli-c
Uranium	0.0020	mg/L		0.0003		1	E200.8	10/09/07 02:10/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090385-001
Client Sample ID: DewBurd GW619

Report Date: 12/19/07
Collection Date: 09/27/07 17:45
Date Received: 09/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		1	E200.8	10/09/07 02:10/eli-c
Zinc	0.11	mg/L		0.01		1	E200.8	10/09/07 02:10/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	10/22/07 13:25/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.0002		1	E200.8	10/09/07 17:12/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	367	pCi/L		1.0		1	E900.0	10/14/07 01:13/eli-c
Gross Alpha precision (±)	5.7	pCi/L				1	E900.0	10/14/07 01:13/eli-c
Gross Beta	117	pCi/L		2.0		1	E900.0	10/14/07 01:13/eli-c
Gross Beta precision (±)	5.0	pCi/L				1	E900.0	10/14/07 01:13/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/26/07 09:00/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	10/30/07 14:00/eli-c
Radium 226	120	pCi/L		0.2		1	E903.0	10/16/07 15:03/eli-c
Radium 226 precision (±)	3.9	pCi/L				1	E903.0	10/16/07 15:03/eli-c
Thorium 230	0.5	pCi/L		0.2		1	E907.0	10/29/07 15:00/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	10/29/07 15:00/eli-c
Gross Gamma	120	pCi/L		20		1	E901.1	10/18/07 10:39/eli-c
Gross Gamma precision (±)	36	pCi/L				1	E901.1	10/18/07 10:39/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/12/07 14:12/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	10/30/07 14:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/12/07 14:12/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/12/07 14:12/eli-c
RADIONUCLIDES - TOTAL								
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/26/07 09:00/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	10/30/07 14:00/eli-c
Radium 226	120	pCi/L		0.2		1	E903.0	10/30/07 15:07/eli-c
Radium 226 precision (±)	10.9	pCi/L				1	E903.0	10/30/07 15:07/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	10/29/07 11:00/eli-c
DATA QUALITY								
A/C Balance (± 5)	-1.34	%				1	A1030 E	12/11/07 16:15/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090385-001
Client Sample ID: DewBurd GW619

Report Date: 12/19/07
Collection Date: 09/27/07 17:45
Date Received: 09/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
Anions	28.7	meq/L				1	A1030 E	12/11/07 16:15/eli-c
Cations	27.9	meq/L				1	A1030 E	12/11/07 16:15/eli-c
Solids, Total Dissolved Calculated	1830	mg/L				1	A1030 E	12/11/07 16:15/eli-c
TDS Balance (0.80 - 1.20)	1.14	dec. %				1	A1030 E	12/11/07 16:15/eli-c
- Ion balance achieved using Sulfate from E200.7.								

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090385-002
Client Sample ID: Dew Burd GW 16

Report Date: 12/19/07
Collection Date: 09/27/07 19:18
Date Received: 09/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	158	mg/L		5		1	A2320 B	10/04/07 17:01/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/04/07 17:01/sn
Bicarbonate as HCO3	193	mg/L		5		1	A2320 B	10/04/07 17:01/sn
Calcium	108	mg/L	D	1		10	E200.7	10/09/07 19:46/eli-c
Magnesium	40.7	mg/L		0.5		10	E200.7	10/09/07 19:46/eli-c
Potassium	16.6	mg/L		0.5		2	E200.7	10/09/07 21:54/eli-c
Silica	7.3	mg/L		0.5		2	E200.7	10/09/07 21:54/eli-c
Sodium	44	mg/L	D	8		10	E200.7	10/09/07 19:46/eli-c
Chloride	5	mg/L		1		1	E300.0	09/28/07 23:22/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	09/28/07 23:22/jmh
Nitrogen, Ammonia as N	0.4	mg/L		0.1		1	A4500-NH3 G	09/28/07 17:35/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	09/28/07 23:22/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	09/28/07 23:22/jmh
Sulfate	448	mg/L	D	7		10	E300.0	10/02/07 04:20/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1080	umhos/cm		5		1	A2510 B	10/02/07 18:40/jmh
pH	7.43	s.u.		0.01		1	A4500-H B	10/02/07 18:41/jmh
Solids, Total Dissolved TDS @ 180 C	810	mg/L		5		1	A2540 C	10/02/07 13:05/sn
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	10/09/07 02:50/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	10/09/07 02:50/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/09/07 02:50/eli-c
Boron	ND	mg/L		0.1		2	E200.7	10/09/07 21:54/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/09/07 02:50/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	10/09/07 02:50/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/09/07 02:50/eli-c
Iron	ND	mg/L		0.03		2	E200.7	10/09/07 21:54/eli-c
Lead	ND	mg/L		0.001		1	E200.8	10/09/07 02:50/eli-c
Manganese	0.16	mg/L		0.01		1	E200.8	10/09/07 02:50/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	10/09/07 02:50/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/09/07 02:50/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	10/09/07 02:50/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	10/09/07 02:50/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/09/07 02:50/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	10/09/07 02:50/eli-c
Uranium	0.0021	mg/L		0.0003		1	E200.8	10/09/07 02:50/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090385-002
Client Sample ID: Dew Burd GW 16

Report Date: 12/19/07
Collection Date: 09/27/07 19:18
Date Received: 09/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		1	E200.8	10/09/07 02:50/eli-c
Zinc	0.04	mg/L		0.01		1	E200.8	10/09/07 02:50/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	10/22/07 13:25/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.0002		1	E200.8	10/09/07 17:18/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	62.7	pCi/L		1.0		1	E900.0	10/14/07 01:13/eli-c
Gross Alpha precision (±)	2.1	pCi/L				1	E900.0	10/14/07 01:13/eli-c
Gross Beta	33.1	pCi/L		2.0		1	E900.0	10/14/07 01:13/eli-c
Gross Beta precision (±)	2.4	pCi/L				1	E900.0	10/14/07 01:13/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/26/07 09:00/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	10/30/07 14:00/eli-c
Radium 226	26.2	pCi/L		0.2		1	E903.0	10/16/07 15:03/eli-c
Radium 226 precision (±)	1.9	pCi/L				1	E903.0	10/16/07 15:03/eli-c
Thorium 230	0.3	pCi/L		0.2		1	E907.0	10/29/07 15:00/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	10/29/07 15:00/eli-c
Gross Gamma	ND	pCi/L		20		1	E901.1	10/18/07 10:39/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/12/07 14:12/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	10/30/07 14:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/12/07 14:12/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/12/07 14:12/eli-c
RADIONUCLIDES - TOTAL								
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/26/07 09:00/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	10/30/07 14:00/eli-c
Radium 226	17.4	pCi/L		0.2		1	E903.0	10/30/07 15:07/eli-c
Radium 226 precision (±)	4.2	pCi/L				1	E903.0	10/30/07 15:07/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	10/29/07 11:00/eli-c
DATA QUALITY								
A/C Balance (± 5)	-2.85	%				1	A1030 E	12/11/07 16:20/eli-c
Anions	11.8	meq/L				1	A1030 E	12/11/07 16:20/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090385-002
Client Sample ID: Dew Burd GW 16

Report Date: 12/19/07
Collection Date: 09/27/07 19:18
Date Received: 09/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
Cations	11.1	meq/L				1	A1030 E	12/11/07 16:20/eli-c
Solids, Total Dissolved Calculated	715	mg/L				1	A1030 E	12/11/07 16:20/eli-c
TDS Balance (0.80 - 1.20)	1.14	dec. %				1	A1030 E	12/11/07 16:20/eli-c
- Ion balance achieved using Sulfate from E200.7.								

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090385-003
Client Sample ID: Dew Burd GW 4002A

Report Date: 12/19/07
Collection Date: 09/27/07 14:35
Date Received: 09/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	140	mg/L		5		1	A2320 B	10/04/07 17:14/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/04/07 17:14/sn
Bicarbonate as HCO3	171	mg/L		5		1	A2320 B	10/04/07 17:14/sn
Calcium	36.8	mg/L		0.5		2	E200.7	10/09/07 21:57/eli-c
Magnesium	11.9	mg/L		0.5		2	E200.7	10/09/07 21:57/eli-c
Potassium	7.2	mg/L		0.5		2	E200.7	10/09/07 21:57/eli-c
Silica	6.6	mg/L		0.5		2	E200.7	10/09/07 21:57/eli-c
Sodium	170	mg/L	D	2		2	E200.7	10/09/07 21:57/eli-c
Chloride	7	mg/L		1		1	E300.0	09/28/07 23:39/jmh
Fluoride	0.3	mg/L		0.1		1	E300.0	09/28/07 23:39/jmh
Nitrogen, Ammonia as N	0.3	mg/L		0.1		1	A4500-NH3 G	09/28/07 17:37/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	09/28/07 23:39/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	09/28/07 23:39/jmh
Sulfate	454	mg/L	D	7		10	E300.0	10/02/07 04:36/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1190	umhos/cm		5		1	A2510 B	10/02/07 18:42/jmh
pH	7.81	s.u.		0.01		1	A4500-H B	10/02/07 18:42/jmh
Solids, Total Dissolved TDS @ 180 C	820	mg/L		5		1	A2540 C	10/02/07 13:05/sn
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	10/09/07 02:57/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	10/09/07 02:57/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/09/07 02:57/eli-c
Boron	ND	mg/L		0.1		2	E200.7	10/09/07 21:57/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/09/07 02:57/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	10/09/07 02:57/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/09/07 02:57/eli-c
Iron	ND	mg/L		0.03		2	E200.7	10/09/07 21:57/eli-c
Lead	ND	mg/L		0.001		1	E200.8	10/09/07 02:57/eli-c
Manganese	0.08	mg/L		0.01		1	E200.8	10/09/07 02:57/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	10/09/07 02:57/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/09/07 02:57/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	10/09/07 02:57/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	10/09/07 02:57/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/09/07 02:57/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	10/09/07 02:57/eli-c
Uranium	0.0026	mg/L		0.0003		1	E200.8	10/09/07 02:57/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090385-003
Client Sample ID: Dew Burd GW 4002A

Report Date: 12/19/07
Collection Date: 09/27/07 14:35
Date Received: 09/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		1	E200.8	10/09/07 02:57/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	10/09/07 02:57/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	10/22/07 13:25/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.0002		1	E200.8	10/09/07 17:25/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	120	pCi/L		1.0		1	E900.0	10/14/07 01:13/eli-c
Gross Alpha precision (±)	3.3	pCi/L				1	E900.0	10/14/07 01:13/eli-c
Gross Beta	45.5	pCi/L		2.0		1	E900.0	10/14/07 01:13/eli-c
Gross Beta precision (±)	2.9	pCi/L				1	E900.0	10/14/07 01:13/eli-c
Lead 210	2.0	pCi/L		1.0		1	E909.0M	10/26/07 09:00/eli-c
Lead 210 precision (±)	1.4	pCi/L				1	E909.0M	10/26/07 09:00/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	10/30/07 14:00/eli-c
Radium 226	63.6	pCi/L		0.2		1	E903.0	10/16/07 15:03/eli-c
Radium 226 precision (±)	2.9	pCi/L				1	E903.0	10/16/07 15:03/eli-c
Thorium 230	0.5	pCi/L		0.2		1	E907.0	10/29/07 15:00/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	10/29/07 15:00/eli-c
Gross Gamma	120	pCi/L		20		1	E901.1	10/18/07 10:39/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	9.7	pCi/L		1.0		1	E909.0M	12/12/07 14:12/eli-c
Lead 210 precision (±)	8.6	pCi/L				1	E909.0M	12/12/07 14:12/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	10/30/07 14:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/12/07 14:12/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/12/07 14:12/eli-c
RADIONUCLIDES - TOTAL								
Lead 210	12	pCi/L		1.0		1	E909.0M	10/26/07 09:00/eli-c
Lead 210 precision (±)	8.5	pCi/L				1	E909.0M	10/26/07 09:00/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	10/30/07 14:00/eli-c
Radium 226	62.7	pCi/L		0.2		1	E903.0	10/30/07 15:07/eli-c
Radium 226 precision (±)	8.0	pCi/L				1	E903.0	10/30/07 15:07/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	10/29/07 11:00/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090385-003
Client Sample ID: Dew Burd GW 4002A

Report Date: 12/19/07
Collection Date: 09/27/07 14:35
Date Received: 09/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
A/C Balance (± 5)	-4.10	%				1	A1030 E	12/11/07 16:22/eli-c
Anions	11.3	meq/L				1	A1030 E	12/11/07 16:22/eli-c
Cations	10.4	meq/L				1	A1030 E	12/11/07 16:22/eli-c
Solids, Total Dissolved Calculated	716	mg/L				1	A1030 E	12/11/07 16:22/eli-c
TDS Balance (0.80 - 1.20)	1.15	dec. %				1	A1030 E	12/11/07 16:22/eli-c
- Ion balance achieved using Sulfate from E200.7.								

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090385-004
Client Sample ID: Dew Burd GW 4002B

Report Date: 12/19/07
Collection Date: 09/27/07 14:39
Date Received: 09/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	138	mg/L		5		1	A2320 B	10/04/07 17:18/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/04/07 17:18/sn
Bicarbonate as HCO3	168	mg/L		5		1	A2320 B	10/04/07 17:18/sn
Calcium	38.7	mg/L		0.5		2	E200.7	10/09/07 22:01/eli-c
Magnesium	12.4	mg/L		0.5		2	E200.7	10/09/07 22:01/eli-c
Potassium	7.3	mg/L		0.5		2	E200.7	10/09/07 22:01/eli-c
Silica	6.9	mg/L		0.5		2	E200.7	10/09/07 22:01/eli-c
Sodium	182	mg/L	D	2		2	E200.7	10/09/07 22:01/eli-c
Chloride	7	mg/L		1		1	E300.0	09/28/07 23:55/jmh
Fluoride	0.3	mg/L		0.1		1	E300.0	09/28/07 23:55/jmh
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	09/28/07 17:38/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	09/28/07 23:55/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	09/28/07 23:55/jmh
Sulfate	453	mg/L	D	7		10	E300.0	10/02/07 04:53/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1210	umhos/cm		5		1	A2510 B	10/02/07 18:43/jmh
pH	7.85	s.u.		0.01		1	A4500-H B	10/02/07 18:44/jmh
Solids, Total Dissolved TDS @ 180 C	800	mg/L		5		1	A2540 C	10/02/07 13:05/sn
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	10/09/07 03:04/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	10/09/07 03:04/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/09/07 03:04/eli-c
Boron	ND	mg/L		0.1		2	E200.7	10/09/07 22:01/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/09/07 03:04/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	10/09/07 03:04/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/09/07 03:04/eli-c
Iron	ND	mg/L		0.03		2	E200.7	10/09/07 22:01/eli-c
Lead	ND	mg/L		0.001		1	E200.8	10/09/07 03:04/eli-c
Manganese	0.07	mg/L		0.01		1	E200.8	10/09/07 03:04/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	10/09/07 03:04/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/09/07 03:04/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	10/09/07 03:04/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	10/09/07 03:04/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/09/07 03:04/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	10/09/07 03:04/eli-c
Uranium	0.0026	mg/L		0.0003		1	E200.8	10/09/07 03:04/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090385-004
Client Sample ID: Dew Burd GW 4002B

Report Date: 12/19/07
Collection Date: 09/27/07 14:39
Date Received: 09/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		1	E200.8	10/09/07 03:04/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	10/09/07 03:04/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	10/22/07 13:25/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.0002		1	E200.8	10/09/07 17:32/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	141	pCi/L		1.0		1	E900.0	10/15/07 05:56/eli-c
Gross Alpha precision (±)	3.6	pCi/L				1	E900.0	10/15/07 05:56/eli-c
Gross Beta	49.6	pCi/L		2.0		1	E900.0	10/15/07 05:56/eli-c
Gross Beta precision (±)	3.0	pCi/L				1	E900.0	10/15/07 05:56/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/26/07 09:00/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	10/30/07 14:00/eli-c
Radium 226	60.0	pCi/L		0.2		1	E903.0	10/16/07 15:03/eli-c
Radium 226 precision (±)	2.8	pCi/L				1	E903.0	10/16/07 15:03/eli-c
Thorium 230	0.6	pCi/L		0.2		1	E907.0	10/29/07 15:00/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	10/29/07 15:00/eli-c
Gross Gamma	ND	pCi/L		20		1	E901.1	10/18/07 10:39/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/12/07 14:12/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	10/30/07 14:00/eli-c
Radium 226	19.4	pCi/L		0.2		1	E903.0	12/12/07 14:12/eli-c
Radium 226 precision (±)	9.2	pCi/L				1	E903.0	12/12/07 14:12/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/12/07 14:12/eli-c
RADIONUCLIDES - TOTAL								
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/26/07 09:00/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	10/30/07 14:00/eli-c
Radium 226	79.4	pCi/L		0.2		1	E903.0	10/30/07 15:07/eli-c
Radium 226 precision (±)	8.8	pCi/L				1	E903.0	10/30/07 15:07/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	10/29/07 11:00/eli-c
DATA QUALITY								
A/C Balance (± 5)	0.215	%				1	A1030 E	12/11/07 16:23/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090385-004
Client Sample ID: Dew Burd GW 4002B

Report Date: 12/19/07
Collection Date: 09/27/07 14:39
Date Received: 09/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
Anions	11.0	meq/L				1	A1030 E	12/11/07 16:23/eli-c
Cations	11.1	meq/L				1	A1030 E	12/11/07 16:23/eli-c
Solids, Total Dissolved Calculated	717	mg/L				1	A1030 E	12/11/07 16:23/eli-c
TDS Balance (0.80 - 1.20)	1.12	dec. %				1	A1030 E	12/11/07 16:23/eli-c
- Ion balance achieved using Sulfate from E200.7.								

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090385-005
Client Sample ID: Dew Burd GW 13

Report Date: 12/19/07
Collection Date: 09/27/07 15:45
Date Received: 09/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	168	mg/L		5		1	A2320 B	10/04/07 17:19/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/04/07 17:19/sn
Bicarbonate as HCO3	205	mg/L		5		1	A2320 B	10/04/07 17:19/sn
Calcium	57.4	mg/L		0.5		2	E200.7	10/09/07 22:04/eli-c
Magnesium	21.0	mg/L		0.5		2	E200.7	10/09/07 22:04/eli-c
Potassium	11.3	mg/L		0.5		2	E200.7	10/09/07 22:04/eli-c
Silica	7.7	mg/L		0.5		2	E200.7	10/09/07 22:04/eli-c
Sodium	163	mg/L	D	2		2	E200.7	10/09/07 22:04/eli-c
Chloride	11	mg/L		1		1	E300.0	09/29/07 00:12/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	09/29/07 00:12/jmh
Nitrogen, Ammonia as N	0.6	mg/L		0.1		1	A4500-NH3 G	09/28/07 17:39/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	09/29/07 00:12/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	09/29/07 00:12/jmh
Sulfate	488	mg/L	D	7		10	E300.0	10/02/07 05:09/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1280	umhos/cm		5		1	A2510 B	10/02/07 18:45/jmh
pH	7.83	s.u.		0.01		1	A4500-H B	10/02/07 18:45/jmh
Solids, Total Dissolved TDS @ 180 C	890	mg/L		5		1	A2540 C	10/02/07 13:05/sn
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	10/09/07 03:10/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	10/09/07 03:10/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/09/07 03:10/eli-c
Boron	ND	mg/L		0.1		2	E200.7	10/09/07 22:04/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/09/07 03:10/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	10/09/07 03:10/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/09/07 03:10/eli-c
Iron	ND	mg/L		0.03		2	E200.7	10/09/07 22:04/eli-c
Lead	ND	mg/L		0.001		1	E200.8	10/09/07 03:10/eli-c
Manganese	0.10	mg/L		0.01		1	E200.8	10/09/07 03:10/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	10/09/07 03:10/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/09/07 03:10/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	10/09/07 03:10/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	10/09/07 03:10/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/09/07 03:10/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	10/09/07 03:10/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	10/09/07 03:10/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090385-005
Client Sample ID: Dew Burd GW 13

Report Date: 12/19/07
Collection Date: 09/27/07 15:45
Date Received: 09/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		1	E200.8	10/09/07 03:10/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	10/09/07 03:10/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	10/22/07 13:25/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.0002		1	E200.8	10/09/07 17:38/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	8.9	pCi/L		1.0		1	E900.0	10/15/07 05:56/eli-c
Gross Alpha precision (±)	1.2	pCi/L				1	E900.0	10/15/07 05:56/eli-c
Gross Beta	9.6	pCi/L		2.0		1	E900.0	10/15/07 05:56/eli-c
Gross Beta precision (±)	2.4	pCi/L				1	E900.0	10/15/07 05:56/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/26/07 09:00/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	10/30/07 14:00/eli-c
Radium 226	1.8	pCi/L		0.2		1	E903.0	10/16/07 15:03/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	10/16/07 15:03/eli-c
Thorium 230	0.4	pCi/L		0.2		1	E907.0	10/29/07 15:00/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	10/29/07 15:00/eli-c
Gross Gamma	ND	pCi/L		20		1	E901.1	10/18/07 10:39/eli-c
Gross Gamma precision (±)	ND	pCi/L				1	E901.1	10/18/07 10:39/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/12/07 14:12/eli-c
Polonium 210	5.2	pCi/L		1.0		1	RMO-3008	10/30/07 14:00/eli-c
Polonium 210 precision (±)	4.6	pCi/L				1	RMO-3008	10/30/07 14:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/12/07 14:12/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/12/07 14:12/eli-c
RADIONUCLIDES - TOTAL								
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/26/07 09:00/eli-c
Polonium 210	5.2	pCi/L		1.0		1	RMO-3008	10/30/07 14:00/eli-c
Polonium 210 precision (±)	4.6	pCi/L				1	RMO-3008	10/30/07 14:00/eli-c
Radium 226	1.1	pCi/L		0.2		1	E903.0	10/30/07 15:07/eli-c
Radium 226 precision (±)	1.1	pCi/L				1	E903.0	10/30/07 15:07/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	10/29/07 11:00/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07090385-005
Client Sample ID: Dew Burd GW 13

Report Date: 12/19/07
Collection Date: 09/27/07 15:45
Date Received: 09/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
A/C Balance (± 5)	-1.26	%				1	A1030 E	12/11/07 16:25/eli-c
Anions	12.3	meq/L				1	A1030 E	12/11/07 16:25/eli-c
Cations	12.0	meq/L				1	A1030 E	12/11/07 16:25/eli-c
Solids, Total Dissolved Calculated	781	mg/L				1	A1030 E	12/11/07 16:25/eli-c
TDS Balance (0.80 - 1.20)	1.14	dec. %				1	A1030 E	12/11/07 16:25/eli-c

- Ion balance achieved using Sulfate from E200.7.

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07090385

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 071004A-ALK-SEL-W	
Sample ID: MBLK1_071004A	Method Blank				Run: PH_COND1-R_071004A			10/04/07 15:38	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Bicarbonate as HCO3	ND	mg/L	3						
Carbonate as CO3	ND	mg/L	3						
Sample ID: LCS1_071004A	Laboratory Control Sample				Run: PH_COND1-R_071004A			10/04/07 15:44	
Alkalinity, Total as CaCO3	960	mg/L	5.0	96	90	110			
Sample ID: R07090385-002AMS	Sample Matrix Spike				Run: PH_COND1-R_071004A			10/04/07 17:05	
Alkalinity, Total as CaCO3	272	mg/L	5.0	108	80	120			
Sample ID: R07090385-003ADUP	Sample Duplicate				Run: PH_COND1-R_071004A			10/04/07 17:16	
Alkalinity, Total as CaCO3	142	mg/L	5.0				1.4	10	
Carbonate as CO3	ND	mg/L	5.0				0.0	10	
Bicarbonate as HCO3	173	mg/L	5.0				1.4	10	
Method: A2510 B								Batch: 071002_1_COND-PROBE-W	
Sample ID: LCS1-1_071002	Laboratory Control Sample				Run: PH_COND2-R_071002A			10/02/07 18:11	
Conductivity @ 25 C	149	umhos/cm	5.0	99	90	110			
Sample ID: LCS2-1_071002	Laboratory Control Sample				Run: PH_COND2-R_071002A			10/02/07 18:12	
Conductivity @ 25 C	4920	umhos/cm	5.0	98	90	110			
Sample ID: LCS_COND-1_071002	Laboratory Control Sample				Run: PH_COND2-R_071002A			10/02/07 18:13	
Conductivity @ 25 C	1410	umhos/cm	5.0	100	90	110			
Sample ID: MBLK-1_071002	Method Blank				Run: PH_COND2-R_071002A			10/02/07 18:13	
Conductivity @ 25 C	ND	umhos/cm	5						
Method: A2540 C								Batch: 071002A-SLDS-TDS-W	
Sample ID: MBLK1_071002A	Method Blank				Run: BAL-4-R_071002A			10/02/07 13:16	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: LCS1_071002A	Laboratory Control Sample				Run: BAL-4-R_071002A			10/02/07 13:16	
Solids, Total Dissolved TDS @ 180 C	200	mg/L	5.0	99	90	110			
Sample ID: R07090389-004BMS	Sample Matrix Spike				Run: BAL-4-R_071002A			10/02/07 13:05	
Solids, Total Dissolved TDS @ 180 C	430	mg/L	5.0	106	80	120			
Sample ID: R07090389-004BMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_071002A			10/02/07 13:06	
Solids, Total Dissolved TDS @ 180 C	420	mg/L	5.0	99	80	120	3.3	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07090385

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B									Batch: 071002_1_PH-W
Sample ID: LCS_pH-1_071002	Laboratory Control Sample				Run: PH_COND2-R_071002A				10/02/07 18:08
pH	6.85	s.u.	0.010	100	98.55	101.45			
Method: A4500-NH3 G									Batch: A2007-09-28_2_NH3_01
Sample ID: MBLK-1	Method Blank				Run: TECHAA2-R_070928A				09/28/07 14:57
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_070928A				09/28/07 15:00
Nitrogen, Ammonia as N	0.27	mg/L	0.10	106	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_070928A				09/28/07 15:01
Nitrogen, Ammonia as N	0.27	mg/L	0.10	107	90	110			
Sample ID: R07090384-002BMS	Sample Matrix Spike				Run: TECHAA2-R_070928A				09/28/07 17:30
Nitrogen, Ammonia as N	0.33	mg/L	0.10	115	80	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07090385

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R91017
Sample ID: LFB-TM	Laboratory Fortified Blank				Run: SUB-C91017				10/09/07 14:39
Silica	1.9	mg/L	0.10	97	85	125			
Boron	1.9	mg/L	0.10	96	85	125			
Iron	1.9	mg/L	0.030	96	85	125			
Sample ID: LFB-MAJORS	Laboratory Fortified Blank				Run: SUB-C91017				10/09/07 14:42
Calcium	23	mg/L	0.50	90	85	125			
Magnesium	23	mg/L	0.50	92	85	125			
Potassium	25	mg/L	0.50	101	85	125			
Sodium	23	mg/L	0.76	90	85	125			
Sample ID: R07090385-001C	Sample Matrix Spike				Run: SUB-C91017				10/09/07 19:19
Boron	9.11	mg/L	0.10	91	70	130			
Calcium	686	mg/L	1.0	76	70	130			
Iron	10.9	mg/L	0.046	89	70	130			
Magnesium	498	mg/L	0.50	79	70	130			
Potassium	1120	mg/L	0.50	92	70	130			
Silica	16.3	mg/L	0.20	84	70	130			
Sodium	489	mg/L	7.6	82	70	130			
Sample ID: R07090385-001C	Sample Matrix Spike Duplicate				Run: SUB-C91017				10/09/07 19:23
Boron	9.33	mg/L	0.10	93	70	130	2.4	20	
Calcium	701	mg/L	1.0	79	70	130	2.2	20	
Iron	11.1	mg/L	0.046	91	70	130	1.5	20	
Magnesium	506	mg/L	0.50	80	70	130	1.5	20	
Potassium	1130	mg/L	0.50	92	70	130	0.3	20	
Silica	16.9	mg/L	0.20	89	70	130	3.5	20	
Sodium	488	mg/L	7.6	82	70	130	0.4	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07090385

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_16384
Sample ID: MB-16384	Method Blank				Run: SUB-C91005				10/09/07 19:47
Mercury	ND	mg/L	6E-06						
Uranium	ND	mg/L	3E-05						
Sample ID: LCS1-16384	Laboratory Control Sample				Run: SUB-C91005				10/09/07 19:53
Uranium	0.019	mg/L	0.00030	95	80	120			
Sample ID: LCS-16384	Laboratory Control Sample				Run: SUB-C91005				10/09/07 20:00
Uranium	0.49	mg/L	0.00032	98	85	115			
Sample ID: C07100330-003C MS4	Post Digestion Spike				Run: SUB-C91005				10/09/07 21:01
Mercury	0.0055	mg/L	0.0010	79	70	130			
Uranium	0.073	mg/L	0.00030	99	70	130			
Sample ID: C07100330-003C MSD4	Post Digestion Spike Duplicate				Run: SUB-C91005				10/09/07 21:08
Mercury	0.0055	mg/L	0.0010	78	70	130	1.1	20	
Uranium	0.072	mg/L	0.00030	98	70	130	1.0	20	
Method: E200.8									Batch: C_R90942
Sample ID: LRB	Method Blank				Run: SUB-C90942				10/08/07 09:59
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C90942				10/08/07 10:03
Uranium	0.0522	mg/L	0.00030	104	85	115			
Sample ID: C07090701-001AMS	Sample Matrix Spike				Run: SUB-C90942				10/08/07 10:16
Uranium	0.12	mg/L	0.0010	100	70	130			
Sample ID: C07090701-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C90942				10/08/07 10:20
Uranium	0.12	mg/L	0.0010	100	70	130	0.3	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07090385

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R31616
Sample ID: LFB0709285802-3	Laboratory Fortified Blank				Run: DIONEX_070928A				09/28/07 21:11
Chloride	4.70	mg/L	0.50	94	90	110			
Fluoride	2.01	mg/L	0.10	100	90	110			
Nitrogen, Nitrate as N	2.39	mg/L	0.10	96	90	110			
Nitrogen, Nitrite as N	2.38	mg/L	0.10	95	90	110			
Sample ID: LFB0709285802-4	Laboratory Fortified Blank				Run: DIONEX_070928A				09/28/07 21:27
Nitrogen, Nitrate as N	2.68	mg/L	0.10	107	90	110			
Sample ID: R07100002-001AMS	Sample Matrix Spike				Run: DIONEX_070928A				09/29/07 20:57
Chloride	97.4	mg/L	0.50		80	120			A
Fluoride	2.27	mg/L	0.10	91	80	120			
Nitrogen, Nitrate as N	2.23	mg/L	0.10	89	80	120			
Nitrogen, Nitrite as N	3.66	mg/L	0.10	146	80	120			S
Sample ID: R07100002-001AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_070928A				09/29/07 21:13
Chloride	96.9	mg/L	0.50		80	120	0.4	10	A
Fluoride	2.24	mg/L	0.10	89	80	120	1.3	10	
Nitrogen, Nitrate as N	2.31	mg/L	0.10	92	80	120	3.5	10	
Nitrogen, Nitrite as N	3.85	mg/L	0.10	154	80	120	5.1	10	S
Method: E300.0									Batch: R31638
Sample ID: LFB0710013150-3	Laboratory Fortified Blank				Run: DIONEX_071001A				10/01/07 20:24
Sulfate	14.6	mg/L	1.0	97	90	110			
Sample ID: LFB0710013150-4	Laboratory Fortified Blank				Run: DIONEX_071001A				10/01/07 20:40
Sulfate	14.3	mg/L	1.0	95	90	110			
Sample ID: R07090385-001AMS	Sample Matrix Spike				Run: DIONEX_071001A				10/02/07 03:47
Sulfate	1610	mg/L	14		80	120			A
Sample ID: R07090385-001AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_071001A				10/02/07 04:03
Sulfate	1590	mg/L	14		80	120	1.2	10	A

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07090385

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0									Batch: C_GrAB-0331
Sample ID: RB-GrAB-0331	Method Blank				Run: SUB-C91233				10/13/07 02:39
Gross Alpha	ND	pCi/L	1						
Gross Beta	ND	pCi/L	2						
Sample ID: UNAT-GrAB-0331	Laboratory Control Sample				Run: SUB-C91233				10/13/07 02:39
Gross Alpha	300	pCi/L	1.0	111	70	130			
Sample ID: C07091288-002AMS	Sample Matrix Spike				Run: SUB-C91233				10/13/07 02:39
Gross Alpha	200	pCi/L	1.0	86	70	130			
Sample ID: C07091288-002AMSD	Sample Matrix Spike Duplicate				Run: SUB-C91233				10/13/07 02:39
Gross Alpha	200	pCi/L	1.0	82	70	130	4.1	13.7	
Sample ID: Cs137-GrAB-0331	Laboratory Control Sample				Run: SUB-C91233				10/13/07 02:39
Gross Beta	90	pCi/L	2.0	93	70	130			
Sample ID: C07091288-002AMS	Sample Matrix Spike				Run: SUB-C91233				10/13/07 02:39
Gross Beta	90	pCi/L	2.0	90	70	130			
Sample ID: C07091288-002AMSD	Sample Matrix Spike Duplicate				Run: SUB-C91233				10/13/07 02:39
Gross Beta	90	pCi/L	2.0	90	70	130	0.5	15.5	

Qualifiers:

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07090385

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E901.1									Batch: C_R91554
Sample ID: LCS-R91554	Laboratory Control Sample				Run: SUB-C91554				10/18/07 10:39
Americium 241	760	pCi/L	20	93	70	130			
Cesium 137	1200	pCi/L	20	110	70	130			
Potassium 40	7200	pCi/L	20	108	70	130			
Sample ID: MB-R91554	Method Blank				Run: SUB-C91554				10/18/07 10:39
Actinium 228	ND	pCi/L	20						
Americium 241	ND	pCi/L	20						
Barium 133	ND	pCi/L	20						
Bismuth 212	ND	pCi/L	20						
Bismuth 214	ND	pCi/L	20						
Cesium 134	ND	pCi/L	20						
Cesium 137	ND	pCi/L	20						
Cobalt 60	ND	pCi/L	20						
Iodine 125	ND	pCi/L	20						
Iodine 131	ND	pCi/L	20						
Lead 212	ND	pCi/L	20						
Lead 214	ND	pCi/L	20						
Manganese 54	ND	pCi/L	20						
Potassium 40	ND	pCi/L	20						
Radium 223	ND	pCi/L	20						
Radium 224	ND	pCi/L	20						
Thallium 208	ND	pCi/L	20						
Thorium 228	ND	pCi/L	20						
Thorium 234	ND	pCi/L	20						
Zinc 65	ND	pCi/L	20						
Radium 228	ND	pCi/L	20						
Gross Gamma	ND	pCi/L	20						
Sample ID: R07100002-002E	Sample Duplicate				Run: SUB-C91554				10/18/07 10:39
Gross Gamma	ND	pCi/L	20				0.0	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07090385

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: C_RA226-2361
Sample ID: R07090385-005E	Sample Matrix Spike				Run: SUB-C91313				10/16/07 15:03
Radium 226	29	pCi/L	0.20	129	70	130			
Sample ID: R07090385-005E	Sample Matrix Spike Duplicate				Run: SUB-C91313				10/16/07 15:03
Radium 226	29	pCi/L	0.20	128	70	130	0.7	27.9	
Sample ID: MB-RA226-2361	Method Blank				Run: SUB-C91313				10/16/07 15:03
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-2361	Laboratory Control Sample				Run: SUB-C91313				10/16/07 15:03
Radium 226	16	pCi/L	0.20	127	70	130			
Method: E903.0									Batch: C_RA226-2384
Sample ID: C07100798-002AMS	Sample Matrix Spike				Run: SUB-C92054				10/30/07 15:07
Radium 226	48	pCi/L	0.20	92	70	130			
- MS and MSD were inadvertently spiked at double the standard amount.									
Sample ID: C07100798-002AMSD	Sample Matrix Spike Duplicate				Run: SUB-C92054				10/30/07 15:07
Radium 226	60	pCi/L	0.20	120	70	130	22	21	R
- MS and MSD were inadvertently spiked at double the standard amount. - The RPD for the spike is high. The individual Spike recoveries are within range, the MB is acceptable, and the LCS is within range, therefore the batch is approved.									
Sample ID: MB-RA226-2384	Method Blank				Run: SUB-C92054				10/30/07 16:33
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-2384	Laboratory Control Sample				Run: SUB-C92054				10/30/07 16:33
Radium 226	13	pCi/L	0.20	104	70	130			
Method: E907.0									Batch: C_R92301
Sample ID: LCS-R92301	Laboratory Control Sample				Run: SUB-C92301				10/29/07 11:00
Thorium 230	5.20	pCi/L	0.20	88	70	130			
Sample ID: C07100216-001EDUP	Sample Duplicate				Run: SUB-C92301				10/29/07 11:00
Thorium 230	ND	pCi/L	0.20				0.0	30	
Sample ID: C07100216-003EMS	Sample Matrix Spike				Run: SUB-C92301				10/29/07 11:00
Thorium 230	52.4	pCi/L	0.20	93	70	130			
Sample ID: MB-R92301	Method Blank				Run: SUB-C92301				10/29/07 11:00
Thorium 230	ND	pCi/L	0.2						

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
R - RPD exceeds advisory limit.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07090385

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: C_R92443
Sample ID: LCS-R92443	Laboratory Control Sample				Run: SUB-C92443				10/29/07 15:00
Thorium 230	5.7	pCi/L	0.20	97	70	130			
Sample ID: R07090385-003E	Sample Matrix Spike				Run: SUB-C92443				10/29/07 15:00
Thorium 230	21	pCi/L	0.20	105	70	130			
Sample ID: R07090385-003E	Sample Matrix Spike Duplicate				Run: SUB-C92443				10/29/07 15:00
Thorium 230	21	pCi/L	0.20	106	70	130	0.5	30	
Sample ID: MB-R92443	Method Blank				Run: SUB-C92443				10/29/07 15:00
Thorium 230	ND	pCi/L	0.2						
Method: E909.0M									Batch: C_R92528
Sample ID: R07090385-001E	Sample Matrix Spike				Run: SUB-C92528				10/26/07 09:00
Lead 210	340	pCi/L	1.0	84	70	130			
Sample ID: R07090385-001E	Sample Matrix Spike Duplicate				Run: SUB-C92528				10/26/07 09:00
Lead 210	340	pCi/L	1.0	83	70	130	0.3	30	
Sample ID: MB-R92528	Method Blank				Run: SUB-C92528				10/26/07 09:00
Lead 210	ND	pCi/L	1						
Sample ID: LCS-R92528	Laboratory Control Sample				Run: SUB-C92528				10/26/07 09:00
Lead 210	66	pCi/L	1.0	82	70	130			
Method: RMO-3008									Batch: C_R92119
Sample ID: MB-R92119	Method Blank				Run: SUB-C92119				10/30/07 14:00
Polonium 210	ND	pCi/L	1						
Sample ID: LCS-R92119	Laboratory Control Sample				Run: SUB-C92119				10/30/07 14:00
Polonium 210	19	pCi/L	1.0	83	70	130			
Sample ID: R07090385-005E	Sample Matrix Spike				Run: SUB-C92119				10/30/07 14:00
Polonium 210	89	pCi/L	1.0	80	70	130			
Sample ID: R07090385-005E	Sample Matrix Spike Duplicate				Run: SUB-C92119				10/30/07 14:00
Polonium 210	87	pCi/L	1.0	78	70	130	2.5	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

Chain of Custody and Analytical Request Record

Page ____ of ____

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

ENERGY LABORATORIES

Company Name: RESPEC

Project Name, PWS #, Permit #, Etc.: Power Tan Deny Burdock

Report Mail Address:

Contact Name, Phone, Fax, E-mail: Cory Foreman

Sampler Name if other than Contact: Eric Krantz

Invoice Address:

Invoice Contact & Phone #:

Purchase Order #:

ELI Quota #:

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

As per Quote

SEE ATTACHED

Normal Turnaround (TAT)

RUSH Turnaround (TAT)

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

Comments:

Receipt Temp on ice 6.8 °C

Cooler ID(s)

Custody Seal Y N

Intact Y N

Signature Match Y N

Lab ID

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	Lab ID
1	Dew Burd GW 619	9/27/07	17:45	W	R0709038 5-001
2	~~Dew Burd Sub 07~~	9/27/07	18:45	W	
3	~~Dew Burd Sub 02~~	9/27/07	16:45	W	
4	~~Dew Burd Sub 06~~	9/27/07	18:10	W	
5	Dew Burd GW 16	9/27/07	19:18	W	-002
6	Dew Burd GW 4002 A	9/27/07	14:35	W	-003
7	Dew Burd GW 4002 B	9/27/07	14:39	W	-004
8	Dew Burd GW 13	9/27/07	15:45	W	-005
9					
10					

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by: Cory Foreman Date/Time: 9/28/07 (9:37)

Relinquished by: Date/Time:

Shipped by:

Shipped by:

Received by: Date/Time:

Received by: Linda Lan 9/28/07 0940

LABORATORY USE ONLY

Sample Disposal: Return to client: ____ Lab Disposal: ____

Sample Type: ____ # of fractions ____

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, & links.

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ANALYTICAL SUMMARY REPORT

December 19, 2007

Cory Freeman
RESPEC Inc
3824 Jet Dr
Rapid City, SD 57701-

Workorder No.: R07100002 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 10 samples from RESPEC Inc on 9/29/2007 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R07100002-001	DewBurd GW628	09/28/07 9:23	09/29/07	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Anions by Ion Chromatography Uranium, Suspended Nitrogen, Ammonia pH Digestion, Total Metals Dissolved Filtration Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Lead 210, Total Polonium 210, Dissolved Polonium 210, Suspended Polonium 210, Total Radium 226, Dissolved Radium 226, Suspended Radium 226, Total Thorium, Isotopic Thorium, Suspended Isotopic Thorium, Isotopic Solids, Total Dissolved
R07100002-002	DewBurd GW675	09/28/07 10:49	09/29/07	Aqueous	Same As Above
R07100002-003	DewBurd GW42	09/28/07 11:34	09/29/07	Aqueous	Same As Above
R07100002-004	DewBurd GW677	09/28/07 12:26	09/29/07	Aqueous	Same As Above
R07100002-005	DewBurd GW676	09/28/07 13:46	09/29/07	Aqueous	Same As Above
R07100002-006	DewBurd GW679	09/28/07 15:04	09/29/07	Aqueous	Same As Above
R07100002-007	DewBurd GW678	09/28/07 16:22	09/29/07	Aqueous	Same As Above
R07100002-008	DewBurd GW7002	09/28/07 17:48	09/29/07	Aqueous	Same As Above
R07100002-009	DewBurd GW7	09/28/07 17:28	09/29/07	Aqueous	Same As Above
R07100002-010	DewBurd GW650	09/28/07 19:00	09/29/07	Aqueous	Same As Above

Thank you for submitting your samples to Energy Laboratories, Inc. - Rapid City. The following pages contain the results of the sample tests listed above and applicable analytical notes.

The samples were analyzed in accordance with the methods specified on the analytical reports. All analyses were

accompanied by appropriate quality control samples throughout the test. Where applicable, the results of these quality control samples will be included, following your analytical data.

If you have any questions regarding the analyses performed or the results of these analyses, please contact Energy Laboratories Inc. - Rapid City at (605) 342-1225, (888) 672-1225 or Rapid_City@energylab.com.

Report Approved By: Linda Larson

Linda Larson

Rapid City - Project Manager

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Date: 19-Dec-07

CLIENT: RESPEC Inc
Project: Edgemont
Sample Delivery Group: R07100002

CASE NARRATIVE

This case narrative is used to explain any exceptions to the analyses performed for your sample(s). In accordance with Good Analytical Laboratory Practices (GALP), samples requiring data qualifiers or analytical modifications are explained herein.

All samples were analyzed in accordance with prescribed methodology, except were noted. Samples are accompanied by appropriate quality assurance/quality control (QA/QC) samples throughout the analytical process.

During the course of analyzing your sample(s) the following exceptions were noted.
- Any exceptions noted are listed in the Analytical Report and
- Suspended radiochemical data was determined from the subtraction of the dissolved parameter from the total parameter.

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

BRANCH LABORATORY IDENTIFIERS
eli-b - Energy Laboratories, Inc. - Billings, MT, EPA # MT00005
eli-c - Energy Laboratories, Inc. - Casper, WY, EPA# WY00002
eli-f - Energy Laboratories, Inc. - Idaho Falls, ID, EPA # ID00942
eli-g - Energy Laboratories, Inc. - Gillette, WY, EPA# WY00006
eli-h - Energy Laboratories, Inc. - Helena, MT, EPA# MT00945
eli-t - Energy Laboratories, Inc. - College Station, TX, EPA# TX01520

For additional information, including certifications, and analytical services visit our web page www.energylab.com.

If you have questions regarding this information, please feel free to contact us at (888)672-1225, (605)342-1225 or rapid_city@energylab.com.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100002-001
Client Sample ID: DewBurd GW628

Report Date: 12/19/07
Collection Date: 09/28/07 09:23
Date Received: 09/29/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	134	mg/L		5		1	A2320 B	10/04/07 18:01/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/04/07 18:01/sn
Bicarbonate as HCO3	154	mg/L		5		1	A2320 B	10/04/07 18:01/sn
Calcium	24	mg/L	D	1		10	E200.7	10/09/07 19:59/eli-c
Magnesium	11.4	mg/L		0.5		10	E200.7	10/09/07 19:59/eli-c
Potassium	8.8	mg/L		0.5		2	E200.7	10/09/07 22:24/eli-c
Silica	4.5	mg/L		0.5		2	E200.7	10/09/07 22:24/eli-c
Sodium	435	mg/L	D	8		10	E200.7	10/09/07 19:59/eli-c
Chloride	82	mg/L		1		20	E300.0	10/02/07 07:37/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	09/29/07 20:40/jmh
Nitrogen, Ammonia as N	0.6	mg/L		0.1		1	A4500-NH3 G	10/04/07 16:24/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	09/29/07 20:40/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	09/29/07 20:40/jmh
Sulfate	1030	mg/L	D	10		20	E300.0	10/02/07 07:37/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2490	umhos/cm		5		1	A2510 B	10/02/07 19:00/jmh
pH	8.66	s.u.		0.01		1	A4500-H B	10/02/07 19:00/jmh
Solids, Total Dissolved TDS @ 180 C	1800	mg/L		5		1	A2540 C	10/02/07 13:10/sn
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	10/09/07 15:39/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	10/09/07 15:39/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/09/07 15:39/eli-c
Boron	0.4	mg/L		0.1		2	E200.7	10/09/07 22:24/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/09/07 15:39/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	10/09/07 15:39/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/09/07 15:39/eli-c
Iron	0.11	mg/L		0.03		2	E200.7	10/09/07 22:24/eli-c
Lead	ND	mg/L		0.001		1	E200.8	10/09/07 15:39/eli-c
Manganese	0.06	mg/L		0.01		1	E200.8	10/09/07 15:39/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	10/09/07 15:39/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/09/07 15:39/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	10/09/07 15:39/eli-c
Selenium	0.002	mg/L		0.001		1	E200.8	10/09/07 15:39/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/09/07 15:39/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	10/11/07 14:42/eli-c
Uranium	0.0017	mg/L		0.0003		1	E200.8	10/17/07 12:21/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100002-001
Client Sample ID: DewBurd GW628

Report Date: 12/19/07
Collection Date: 09/28/07 09:23
Date Received: 09/29/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		1	E200.8	10/09/07 15:39/eli-c
Zinc	0.01	mg/L		0.01		1	E200.8	10/09/07 15:39/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	10/22/07 13:25/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.0002		1	E200.8	10/09/07 19:48/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	29.9	pCi/L		1.0		1	E900.0	10/15/07 05:56/eli-c
Gross Alpha precision (±)	2.1	pCi/L				1	E900.0	10/15/07 05:56/eli-c
Gross Beta	14.0	pCi/L		2.0		1	E900.0	10/15/07 05:56/eli-c
Gross Beta precision (±)	3.6	pCi/L				1	E900.0	10/15/07 05:56/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/29/07 08:20/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/01/07 14:10/eli-c
Radium 226	7.4	pCi/L		0.2		1	E903.0	10/16/07 15:05/eli-c
Radium 226 precision (±)	0.9	pCi/L				1	E903.0	10/16/07 15:05/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	10/31/07 11:00/eli-c
Gross Gamma	ND	pCi/L		20		1	E901.1	10/18/07 10:39/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/12/07 16:38/eli-c
Polonium 210	6.4	pCi/L		1.0		1	RMO-3008	11/01/07 14:10/eli-c
Polonium 210 precision (±)	4.7	pCi/L				1	RMO-3008	11/01/07 14:10/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/12/07 16:38/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/12/07 16:38/eli-c
RADIONUCLIDES - TOTAL								
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/29/07 08:20/eli-c
Polonium 210	6.4	pCi/L		1.0		1	RMO-3008	11/01/07 14:10/eli-c
Polonium 210 precision (±)	4.7	pCi/L				1	RMO-3008	11/01/07 14:10/eli-c
Radium 226	6.8	pCi/L		0.2		1	E903.0	10/31/07 12:04/eli-c
Radium 226 precision (±)	2.2	pCi/L				1	E903.0	10/31/07 12:04/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	10/31/07 11:00/eli-c
DATA QUALITY								
A/C Balance (± 5)	-4.90	%				1	A1030 E	12/11/07 17:30/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100002-001
Client Sample ID: DewBurd GW628

Report Date: 12/19/07
Collection Date: 09/28/07 09:23
Date Received: 09/29/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
Anions	23.5	meq/L				1	A1030 E	12/11/07 17:30/eli-c
Cations	21.3	meq/L				1	A1030 E	12/11/07 17:30/eli-c
Solids, Total Dissolved Calculated	1530	mg/L				1	A1030 E	12/11/07 17:30/eli-c
TDS Balance (0.80 - 1.20)	1.15	dec. %				1	A1030 E	12/11/07 17:30/eli-c
- Ion balance achieved using Sulfate from E200.7.								

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100002-002
Client Sample ID: DewBurd GW675

Report Date: 12/19/07
Collection Date: 09/28/07 10:49
Date Received: 09/29/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	378	mg/L		5		1	A2320 B	10/04/07 18:03/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/04/07 18:03/sn
Bicarbonate as HCO3	461	mg/L		5		1	A2320 B	10/04/07 18:03/sn
Calcium	400	mg/L	D	1		10	E200.7	10/09/07 20:02/eli-c
Magnesium	339	mg/L		0.5		10	E200.7	10/09/07 20:02/eli-c
Potassium	28.0	mg/L		0.5		2	E200.7	10/09/07 22:27/eli-c
Silica	16.0	mg/L		0.5		2	E200.7	10/09/07 22:27/eli-c
Sodium	630	mg/L	D	8		10	E200.7	10/09/07 20:02/eli-c
Chloride	64	mg/L		1		5	E300.0	10/02/07 08:10/jmh
Fluoride	0.1	mg/L		0.1		1	E300.0	09/29/07 21:29/jmh
Nitrogen, Ammonia as N	0.3	mg/L		0.1		1	A4500-NH3 G	10/04/07 16:25/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	09/29/07 21:29/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	09/29/07 21:29/jmh
Sulfate	3600	mg/L	D	70		100	E300.0	10/02/07 07:53/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	6090	umhos/cm		5		1	A2510 B	10/02/07 19:02/jmh
pH	7.25	s.u.		0.01		1	A4500-H B	10/02/07 19:01/jmh
Solids, Total Dissolved TDS @ 180 C	5900	mg/L		5		1	A2540 C	10/02/07 13:11/sn
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	10/09/07 16:09/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	10/09/07 16:09/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/09/07 16:09/eli-c
Boron	0.4	mg/L		0.1		2	E200.7	10/09/07 22:27/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/09/07 16:09/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	10/09/07 16:09/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/09/07 16:09/eli-c
Iron	0.13	mg/L		0.03		2	E200.7	10/09/07 22:27/eli-c
Lead	ND	mg/L		0.001		1	E200.8	10/09/07 16:09/eli-c
Manganese	2.89	mg/L		0.01		1	E200.8	10/09/07 16:09/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	10/09/07 16:09/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/09/07 16:09/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	10/09/07 16:09/eli-c
Selenium	0.003	mg/L		0.001		1	E200.8	10/09/07 16:09/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/09/07 16:09/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	10/11/07 14:50/eli-c
Uranium	0.0372	mg/L		0.0003		1	E200.8	10/17/07 12:15/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100002-002
Client Sample ID: DewBurd GW675

Report Date: 12/19/07
Collection Date: 09/28/07 10:49
Date Received: 09/29/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		1	E200.8	10/09/07 16:09/eli-c
Zinc	0.02	mg/L		0.01		1	E200.8	10/09/07 16:09/eli-c
METALS - SUSPENDED								
Uranium	0.0013	mg/L		0.0003		1	E200.8	10/22/07 13:25/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.0002		1	E200.8	10/09/07 19:55/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	18.8	pCi/L		1.0		1	E900.0	10/15/07 05:56/eli-c
Gross Alpha precision (±)	5.5	pCi/L				1	E900.0	10/15/07 05:56/eli-c
Gross Beta	18.5	pCi/L		2.0		1	E900.0	10/15/07 05:56/eli-c
Gross Beta precision (±)	13.7	pCi/L				1	E900.0	10/15/07 05:56/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/29/07 08:20/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/01/07 14:10/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	10/16/07 15:05/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	10/31/07 11:00/eli-c
Gross Gamma	ND	pCi/L		20		1	E901.1	10/18/07 10:39/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	14	pCi/L		1.0		1	E909.0M	12/12/07 16:38/eli-c
Lead 210 precision (±)	4.4	pCi/L				1	E909.0M	12/12/07 16:38/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/01/07 14:10/eli-c
Polonium 210 precision (±)	ND	pCi/L				1	RMO-3008	11/01/07 14:10/eli-c
Radium 226	2.3	pCi/L		0.2		1	E903.0	12/12/07 16:38/eli-c
Radium 226 precision (±)	1.2	pCi/L				1	E903.0	12/12/07 16:38/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/12/07 16:38/eli-c
RADIONUCLIDES - TOTAL								
Lead 210	14	pCi/L		1.0		1	E909.0M	10/29/07 08:20/eli-c
Lead 210 precision (±)	4.4	pCi/L				1	E909.0M	10/29/07 08:20/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/01/07 14:10/eli-c
Radium 226	2.3	pCi/L		0.2		1	E903.0	10/31/07 12:04/eli-c
Radium 226 precision (±)	1.2	pCi/L				1	E903.0	10/31/07 12:04/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	10/31/07 11:00/eli-c

DATA QUALITY

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100002-002
Client Sample ID: DewBurd GW675

Report Date: 12/19/07
Collection Date: 09/28/07 10:49
Date Received: 09/29/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
A/C Balance (± 5)	-4.99	%				1	A1030 E	12/11/07 17:31/eli-c
Anions	84.2	meq/L				1	A1030 E	12/11/07 17:31/eli-c
Cations	76.2	meq/L				1	A1030 E	12/11/07 17:31/eli-c
Solids, Total Dissolved Calculated	5280	mg/L				1	A1030 E	12/11/07 17:31/eli-c
TDS Balance (0.80 - 1.20)	1.11	dec. %				1	A1030 E	12/11/07 17:31/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100002-003
Client Sample ID: DewBurd GW42

Report Date: 12/19/07
Collection Date: 09/28/07 11:34
Date Received: 09/29/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	180	mg/L		5		1	A2320 B	10/04/07 18:05/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/04/07 18:05/sn
Bicarbonate as HCO3	219	mg/L		5		1	A2320 B	10/04/07 18:05/sn
Calcium	30	mg/L	D	1		10	E200.7	10/09/07 20:06/eli-c
Magnesium	9.4	mg/L		0.5		10	E200.7	10/09/07 20:06/eli-c
Potassium	7.1	mg/L		0.5		2	E200.7	10/09/07 22:30/eli-c
Silica	7.1	mg/L		0.5		2	E200.7	10/09/07 22:30/eli-c
Sodium	242	mg/L	D	2		2	E200.7	10/09/07 22:30/eli-c
Chloride	12	mg/L		1		1	E300.0	09/29/07 21:46/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	09/29/07 21:46/jmh
Nitrogen, Ammonia as N	0.1	mg/L		0.1		1	A4500-NH3 G	10/04/07 16:26/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	09/29/07 21:46/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	09/29/07 21:46/jmh
Sulfate	505	mg/L	D	7		10	E300.0	10/02/07 08:26/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1390	umhos/cm		5		1	A2510 B	10/02/07 19:03/jmh
pH	8.02	s.u.		0.01		1	A4500-H B	10/02/07 19:03/jmh
Solids, Total Dissolved TDS @ 180 C	960	mg/L		5		1	A2540 C	10/02/07 13:11/sn
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	10/09/07 16:17/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	10/09/07 16:17/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/09/07 16:17/eli-c
Boron	ND	mg/L		0.1		2	E200.7	10/09/07 22:30/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/09/07 16:17/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	10/09/07 16:17/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/09/07 16:17/eli-c
Iron	ND	mg/L		0.03		2	E200.7	10/09/07 22:30/eli-c
Lead	ND	mg/L		0.001		1	E200.8	10/09/07 16:17/eli-c
Manganese	0.06	mg/L		0.01		1	E200.8	10/09/07 16:17/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	10/09/07 16:17/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/09/07 16:17/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	10/09/07 16:17/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	10/09/07 16:17/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/09/07 16:17/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	10/11/07 15:17/eli-c
Uranium	0.0150	mg/L		0.0003		1	E200.8	10/11/07 15:17/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100002-003
Client Sample ID: DewBurd GW42

Report Date: 12/19/07
Collection Date: 09/28/07 11:34
Date Received: 09/29/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		1	E200.8	10/09/07 16:17/eli-c
Zinc	0.01	mg/L		0.01		1	E200.8	10/09/07 16:17/eli-c
METALS - SUSPENDED								
Uranium	0.0029	mg/L		0.0003		1	E200.8	10/22/07 13:25/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.0002		1	E200.8	10/09/07 20:03/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	371	pCi/L		1.0		1	E900.0	10/15/07 05:56/eli-c
Gross Alpha precision (±)	5.4	pCi/L				1	E900.0	10/15/07 05:56/eli-c
Gross Beta	122	pCi/L		2.0		1	E900.0	10/15/07 05:56/eli-c
Gross Beta precision (±)	3.8	pCi/L				1	E900.0	10/15/07 05:56/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/29/07 08:20/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/01/07 14:10/eli-c
Radium 226	96.5	pCi/L		0.2		1	E903.0	10/16/07 15:05/eli-c
Radium 226 precision (±)	3.2	pCi/L				1	E903.0	10/16/07 15:05/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	10/31/07 11:00/eli-c
Gross Gamma	1300	pCi/L		20		1	E901.1	10/18/07 10:39/eli-c
Gross Gamma precision (±)	280	pCi/L				1	E901.1	10/18/07 10:39/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	57	pCi/L		1.0		1	E909.0M	12/12/07 16:38/eli-c
Lead 210 precision (±)	7.7	pCi/L				1	E909.0M	12/12/07 16:38/eli-c
Polonium 210	13	pCi/L		1.0		1	RMO-3008	11/01/07 14:10/eli-c
Polonium 210 precision (±)	6.5	pCi/L				1	RMO-3008	11/01/07 14:10/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/12/07 16:38/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/12/07 16:38/eli-c
RADIONUCLIDES - TOTAL								
Lead 210	57	pCi/L		1.0		1	E909.0M	10/29/07 08:20/eli-c
Lead 210 precision (±)	7.7	pCi/L				1	E909.0M	10/29/07 08:20/eli-c
Polonium 210	13	pCi/L		1.0		1	RMO-3008	11/01/07 14:10/eli-c
Polonium 210 precision (±)	6.5	pCi/L				1	RMO-3008	11/01/07 14:10/eli-c
Radium 226	79.7	pCi/L		0.2		1	E903.0	10/31/07 12:04/eli-c
Radium 226 precision (±)	7.3	pCi/L				1	E903.0	10/31/07 12:04/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	10/31/07 11:00/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100002-003
Client Sample ID: DewBurd GW42

Report Date: 12/19/07
Collection Date: 09/28/07 11:34
Date Received: 09/29/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
A/C Balance (± 5)	-1.32	%				1	A1030 E	12/11/07 17:38/eli-c
Anions	13.3	meq/L				1	A1030 E	12/11/07 17:38/eli-c
Cations	13.0	meq/L				1	A1030 E	12/11/07 17:38/eli-c
Solids, Total Dissolved Calculated	858	mg/L				1	A1030 E	12/11/07 17:38/eli-c
TDS Balance (0.80 - 1.20)	1.12	dec. %				1	A1030 E	12/11/07 17:38/eli-c

- Ion balance achieved using Sulfate from E200.7.

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100002-004
Client Sample ID: DewBurd GW677

Report Date: 12/19/07
Collection Date: 09/28/07 12:26
Date Received: 09/29/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	532	mg/L		5		1	A2320 B	10/04/07 18:07/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/04/07 18:07/sn
Bicarbonate as HCO3	649	mg/L		5		1	A2320 B	10/04/07 18:07/sn
Calcium	420	mg/L	D	1		10	E200.7	10/09/07 20:09/eli-c
Magnesium	360	mg/L		0.5		10	E200.7	10/09/07 20:09/eli-c
Potassium	13.2	mg/L		0.5		2	E200.7	10/09/07 22:34/eli-c
Silica	10.2	mg/L		0.5		2	E200.7	10/09/07 22:34/eli-c
Sodium	1810	mg/L	D	8		10	E200.7	10/09/07 20:09/eli-c
Chloride	1720	mg/L	D	8		200	E300.0	10/02/07 08:42/jmh
Fluoride	ND	mg/L		0.1		1	E300.0	09/29/07 22:02/jmh
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	10/04/07 16:30/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	09/29/07 22:02/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	09/29/07 22:02/jmh
Sulfate	4390	mg/L	D	100		200	E300.0	10/02/07 08:42/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	11000	umhos/cm		5		1	A2510 B	10/02/07 19:05/jmh
pH	7.09	s.u.		0.01		1	A4500-H B	10/02/07 19:05/jmh
Solids, Total Dissolved TDS @ 180 C	8900	mg/L		5		1	A2540 C	10/02/07 13:12/sn
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	10/09/07 16:24/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	10/09/07 16:24/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/09/07 16:24/eli-c
Boron	0.9	mg/L		0.1		2	E200.7	10/09/07 22:34/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/09/07 16:24/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	10/09/07 16:24/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/09/07 16:24/eli-c
Iron	ND	mg/L		0.03		2	E200.7	10/09/07 22:34/eli-c
Lead	ND	mg/L		0.001		1	E200.8	10/11/07 15:25/eli-c
Manganese	2.89	mg/L		0.01		1	E200.8	10/09/07 16:24/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	10/11/07 15:25/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/09/07 16:24/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	10/09/07 16:24/eli-c
Selenium	0.003	mg/L		0.001		1	E200.8	10/09/07 16:24/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/09/07 16:24/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	10/11/07 15:25/eli-c
Uranium	0.0218	mg/L		0.0003		1	E200.8	10/11/07 15:25/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100002-004
Client Sample ID: DewBurd GW677

Report Date: 12/19/07
Collection Date: 09/28/07 12:26
Date Received: 09/29/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		1	E200.8	10/09/07 16:24/eli-c
Zinc	0.02	mg/L		0.01		1	E200.8	10/09/07 16:24/eli-c
METALS - SUSPENDED								
Uranium	0.027	mg/L		0.0003		1	E200.8	10/22/07 13:25/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.0002		1	E200.8	10/09/07 20:10/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	41.0	pCi/L		1.0		1	E900.0	10/15/07 05:56/eli-c
Gross Alpha precision (±)	9.5	pCi/L				1	E900.0	10/15/07 05:56/eli-c
Gross Beta	ND	pCi/L		2.0		1	E900.0	10/15/07 05:56/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/29/07 08:20/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/01/07 14:10/eli-c
Radium 226	0.9	pCi/L		0.2		1	E903.0	10/16/07 15:05/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	10/16/07 15:05/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	10/31/07 11:00/eli-c
Gross Gamma	1100	pCi/L		20		1	E901.1	10/18/07 10:39/eli-c
Gross Gamma precision (±)	170	pCi/L				1	E901.1	10/18/07 10:39/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/12/07 16:38/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/01/07 14:10/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/12/07 16:38/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/12/07 16:38/eli-c
RADIONUCLIDES - TOTAL								
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/29/07 08:20/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/01/07 14:10/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	10/31/07 12:04/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	10/31/07 11:00/eli-c
DATA QUALITY								
A/C Balance (± 5)	-3.56	%				1	A1030 E	12/11/07 17:39/eli-c
Anions	140	meq/L				1	A1030 E	12/11/07 17:39/eli-c
Cations	130	meq/L				1	A1030 E	12/11/07 17:39/eli-c
Solids, Total Dissolved Calculated	8510	mg/L				1	A1030 E	12/11/07 17:39/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100002-004
Client Sample ID: DewBurd GW677

Report Date: 12/19/07
Collection Date: 09/28/07 12:26
Date Received: 09/29/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
TDS Balance (0.80 - 1.20)	1.04	dec. %				1	A1030 E	12/11/07 17:39/eli-c
- Ion balance achieved using Sulfate from E200.7.								

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100002-005
Client Sample ID: DewBurd GW676

Report Date: 12/19/07
Collection Date: 09/28/07 13:46
Date Received: 09/29/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	240	mg/L		5		1	A2320 B	10/04/07 18:11/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/04/07 18:11/sn
Bicarbonate as HCO3	293	mg/L		5		1	A2320 B	10/04/07 18:11/sn
Calcium	465	mg/L	D	1		10	E200.7	10/09/07 20:12/eli-c
Magnesium	104	mg/L		0.5		10	E200.7	10/09/07 20:12/eli-c
Potassium	11.6	mg/L		0.5		2	E200.7	10/09/07 22:37/eli-c
Silica	13.7	mg/L		0.5		2	E200.7	10/09/07 22:37/eli-c
Sodium	80	mg/L	D	8		10	E200.7	10/09/07 20:12/eli-c
Chloride	15	mg/L		1		1	E300.0	09/29/07 22:19/jmh
Fluoride	0.2	mg/L		0.1		1	E300.0	09/29/07 22:19/jmh
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	10/04/07 16:33/jmh
Nitrogen, Nitrate as N	1.0	mg/L		0.1		1	E300.0	09/29/07 22:19/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	09/29/07 22:19/jmh
Sulfate	1790	mg/L	D	40		50	E300.0	10/02/07 08:59/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2880	umhos/cm		5		1	A2510 B	10/02/07 19:07/jmh
pH	7.13	s.u.		0.01		1	A4500-H B	10/02/07 19:06/jmh
Solids, Total Dissolved TDS @ 180 C	3000	mg/L		5		1	A2540 C	10/02/07 13:12/sn
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	10/09/07 16:32/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	10/09/07 16:32/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/09/07 16:32/eli-c
Boron	0.4	mg/L		0.1		2	E200.7	10/09/07 22:37/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/09/07 16:32/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	10/09/07 16:32/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/09/07 16:32/eli-c
Iron	ND	mg/L		0.03		2	E200.7	10/09/07 22:37/eli-c
Lead	ND	mg/L		0.001		1	E200.8	10/09/07 16:32/eli-c
Manganese	0.02	mg/L		0.01		1	E200.8	10/09/07 16:32/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	10/09/07 16:32/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/09/07 16:32/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	10/09/07 16:32/eli-c
Selenium	0.017	mg/L		0.001		1	E200.8	10/09/07 16:32/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/09/07 16:32/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	10/11/07 15:33/eli-c
Uranium	0.0494	mg/L		0.0003		1	E200.8	10/11/07 15:33/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100002-005
Client Sample ID: DewBurd GW676

Report Date: 12/19/07
Collection Date: 09/28/07 13:46
Date Received: 09/29/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		1	E200.8	10/09/07 16:32/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	10/09/07 16:32/eli-c
METALS - SUSPENDED								
Uranium	0.0096	mg/L		0.0003		1	E200.8	10/22/07 13:25/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.0002		1	E200.8	10/09/07 20:18/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	37.1	pCi/L		1.0		1	E900.0	10/15/07 05:56/eli-c
Gross Alpha precision (±)	2.5	pCi/L				1	E900.0	10/15/07 05:56/eli-c
Gross Beta	11.1	pCi/L		2.0		1	E900.0	10/15/07 05:56/eli-c
Gross Beta precision (±)	4.7	pCi/L				1	E900.0	10/15/07 05:56/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/29/07 08:20/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/01/07 14:10/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	10/16/07 15:05/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	10/31/07 11:00/eli-c
Gross Gamma	1100	pCi/L		20		1	E901.1	10/18/07 10:39/eli-c
Gross Gamma precision (±)	200	pCi/L				1	E901.1	10/18/07 10:39/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/12/07 16:38/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/01/07 14:10/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/12/07 16:38/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/12/07 16:38/eli-c
RADIONUCLIDES - TOTAL								
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/29/07 08:20/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/01/07 14:10/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	10/31/07 13:11/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	10/31/07 11:00/eli-c
DATA QUALITY								
A/C Balance (± 5)	-3.70	%				1	A1030 E	12/11/07 17:53/eli-c
Anions	38.2	meq/L				1	A1030 E	12/11/07 17:53/eli-c
Cations	35.5	meq/L				1	A1030 E	12/11/07 17:53/eli-c
Solids, Total Dissolved Calculated	2410	mg/L				1	A1030 E	12/11/07 17:53/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100002-005
Client Sample ID: DewBurd GW676

Report Date: 12/19/07
Collection Date: 09/28/07 13:46
Date Received: 09/29/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
TDS Balance (0.80 - 1.20)	1.24	dec. %				1	A1030 E	12/11/07 17:53/eli-c

- Ion balance achieved using Sulfate from E200.7.
- TDS balance may have been affected by hydratable solids.

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100002-006
Client Sample ID: DewBurd GW679

Report Date: 12/19/07
Collection Date: 09/28/07 15:04
Date Received: 09/29/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	140	mg/L		5		1	A2320 B	10/04/07 18:13/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/04/07 18:13/sn
Bicarbonate as HCO3	171	mg/L		5		1	A2320 B	10/04/07 18:13/sn
Calcium	414	mg/L	D	1		10	E200.7	10/09/07 20:15/eli-c
Magnesium	89.0	mg/L		0.5		10	E200.7	10/09/07 20:15/eli-c
Potassium	12.5	mg/L		0.5		2	E200.7	10/09/07 22:40/eli-c
Silica	10.4	mg/L		0.5		2	E200.7	10/09/07 22:40/eli-c
Sodium	73	mg/L	D	8		10	E200.7	10/09/07 20:15/eli-c
Chloride	12	mg/L		1		1	E300.0	09/29/07 22:35/jmh
Fluoride	0.3	mg/L		0.1		1	E300.0	09/29/07 22:35/jmh
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	10/04/07 16:35/jmh
Nitrogen, Nitrate as N	1.2	mg/L		0.1		1	E300.0	09/29/07 22:35/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	09/29/07 22:35/jmh
Sulfate	1580	mg/L	D	40		50	E300.0	10/02/07 09:15/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2520	umhos/cm		5		1	A2510 B	10/02/07 19:09/jmh
pH	7.53	s.u.		0.01		1	A4500-H B	10/02/07 19:08/jmh
Solids, Total Dissolved TDS @ 180 C	2500	mg/L		5		1	A2540 C	10/02/07 13:12/sn
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	10/09/07 16:39/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	10/09/07 16:39/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/09/07 16:39/eli-c
Boron	0.4	mg/L		0.1		2	E200.7	10/09/07 22:40/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/09/07 16:39/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	10/09/07 16:39/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/09/07 16:39/eli-c
Iron	ND	mg/L		0.03		2	E200.7	10/09/07 22:40/eli-c
Lead	ND	mg/L		0.001		1	E200.8	10/09/07 16:39/eli-c
Manganese	0.14	mg/L		0.01		1	E200.8	10/09/07 16:39/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	10/09/07 16:39/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/09/07 16:39/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	10/09/07 16:39/eli-c
Selenium	0.016	mg/L		0.001		1	E200.8	10/09/07 16:39/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/09/07 16:39/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	10/11/07 15:40/eli-c
Uranium	0.0157	mg/L		0.0003		1	E200.8	10/11/07 15:40/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100002-006
Client Sample ID: DewBurd GW679

Report Date: 12/19/07
Collection Date: 09/28/07 15:04
Date Received: 09/29/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		1	E200.8	10/09/07 16:39/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	10/09/07 16:39/eli-c
METALS - SUSPENDED								
Uranium	0.011	mg/L		0.0003		1	E200.8	10/22/07 13:25/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.0002		1	E200.8	10/09/07 20:48/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	19.9	pCi/L		1.0		1	E900.0	10/15/07 05:56/eli-c
Gross Alpha precision (±)	2.2	pCi/L				1	E900.0	10/15/07 05:56/eli-c
Gross Beta	10.7	pCi/L		2.0		1	E900.0	10/15/07 05:56/eli-c
Gross Beta precision (±)	4.7	pCi/L				1	E900.0	10/15/07 05:56/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/29/07 08:20/eli-c
Polonium 210	1.1	pCi/L		1.0		1	RMO-3008	11/01/07 14:10/eli-c
Polonium 210 precision (±)	1.0	pCi/L				1	RMO-3008	11/01/07 14:10/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	10/16/07 15:05/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	10/31/07 11:00/eli-c
Gross Gamma	1200	pCi/L		20		1	E901.1	10/18/07 10:39/eli-c
Gross Gamma precision (±)	230	pCi/L				1	E901.1	10/18/07 10:39/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/12/07 16:38/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/01/07 14:10/eli-c
Radium 226	2.5	pCi/L		0.2		1	E903.0	12/12/07 16:38/eli-c
Radium 226 precision (±)	1.2	pCi/L				1	E903.0	12/12/07 16:38/eli-c
Thorium 230	1.9	pCi/L		0.2		1	E907.0	12/12/07 16:38/eli-c
Thorium 230 precision (±)	1.3	pCi/L				1	E907.0	12/12/07 16:38/eli-c
RADIONUCLIDES - TOTAL								
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/29/07 08:20/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/01/07 14:10/eli-c
Radium 226	2.5	pCi/L		0.2		1	E903.0	10/31/07 13:11/eli-c
Radium 226 precision (±)	1.2	pCi/L				1	E903.0	10/31/07 13:11/eli-c
Thorium 230	1.9	pCi/L		0.2		1	E907.0	10/31/07 11:00/eli-c
Thorium 230 precision (±)	1.2	pCi/L				1	E907.0	10/31/07 11:00/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100002-006
Client Sample ID: DewBurd GW679

Report Date: 12/19/07
Collection Date: 09/28/07 15:04
Date Received: 09/29/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
A/C Balance (± 5)	-1.81	%				1	A1030 E	12/11/07 17:42/eli-c
Anions	32.7	meq/L				1	A1030 E	12/11/07 17:42/eli-c
Cations	31.5	meq/L				1	A1030 E	12/11/07 17:42/eli-c
Solids, Total Dissolved Calculated	2110	mg/L				1	A1030 E	12/11/07 17:42/eli-c
TDS Balance (0.80 - 1.20)	1.19	dec. %				1	A1030 E	12/11/07 17:42/eli-c

- Ion balance achieved using Sulfate from E200.7.

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100002-007
Client Sample ID: DewBurd GW678

Report Date: 12/19/07
Collection Date: 09/28/07 16:22
Date Received: 09/29/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	490	mg/L		5		1	A2320 B	10/04/07 18:15/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/04/07 18:15/sn
Bicarbonate as HCO3	597	mg/L		5		1	A2320 B	10/04/07 18:15/sn
Calcium	397	mg/L	D	1		10	E200.7	10/09/07 20:35/eli-c
Magnesium	398	mg/L		0.5		10	E200.7	10/09/07 20:35/eli-c
Potassium	18.9	mg/L		0.5		2	E200.7	10/09/07 22:43/eli-c
Silica	14.9	mg/L		0.5		2	E200.7	10/09/07 22:43/eli-c
Sodium	564	mg/L	D	8		10	E200.7	10/09/07 20:35/eli-c
Chloride	64	mg/L		1		5	E300.0	10/05/07 00:40/jmh
Fluoride	0.6	mg/L		0.1		1	E300.0	09/29/07 22:52/jmh
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	10/04/07 16:36/jmh
Nitrogen, Nitrate as N	0.2	mg/L		0.1		1	E300.0	09/29/07 22:52/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	09/29/07 22:52/jmh
Sulfate	3220	mg/L	D	70		100	E300.0	10/02/07 10:04/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	5710	umhos/cm		5		1	A2510 B	10/02/07 19:10/jmh
pH	7.23	s.u.		0.01		1	A4500-H B	10/02/07 19:09/jmh
Solids, Total Dissolved TDS @ 180 C	6000	mg/L		5		1	A2540 C	10/02/07 13:13/sn
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	10/09/07 16:47/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	10/09/07 16:47/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/09/07 16:47/eli-c
Boron	1.3	mg/L		0.1		2	E200.7	10/09/07 22:43/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/09/07 16:47/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	10/09/07 16:47/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/09/07 16:47/eli-c
Iron	ND	mg/L		0.03		2	E200.7	10/09/07 22:43/eli-c
Lead	ND	mg/L		0.001		1	E200.8	10/09/07 16:47/eli-c
Manganese	2.85	mg/L		0.01		1	E200.8	10/09/07 16:47/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	10/09/07 16:47/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/09/07 16:47/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	10/09/07 16:47/eli-c
Selenium	0.003	mg/L		0.001		1	E200.8	10/09/07 16:47/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/09/07 16:47/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	10/11/07 15:48/eli-c
Uranium	0.0352	mg/L		0.0003		1	E200.8	10/11/07 15:48/eli-c

Report Definitions:
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QCL - Quality control limit.
D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100002-007
Client Sample ID: DewBurd GW678

Report Date: 12/19/07
Collection Date: 09/28/07 16:22
Date Received: 09/29/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		1	E200.8	10/09/07 16:47/eli-c
Zinc	0.01	mg/L		0.01		1	E200.8	10/09/07 16:47/eli-c
METALS - SUSPENDED								
Uranium	0.0032	mg/L		0.0003		1	E200.8	10/22/07 13:25/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.0002		1	E200.8	10/09/07 20:56/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	23.2	pCi/L		1.0		1	E900.0	10/15/07 05:56/eli-c
Gross Alpha precision (±)	5.7	pCi/L				1	E900.0	10/15/07 05:56/eli-c
Gross Beta	8.1	pCi/L		2.0		1	E900.0	10/15/07 05:56/eli-c
Gross Beta precision (±)	13.6	pCi/L				1	E900.0	10/15/07 05:56/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/29/07 08:20/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/01/07 14:10/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	10/16/07 15:05/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	10/31/07 11:00/eli-c
Gross Gamma	1100	pCi/L		20		1	E901.1	10/18/07 10:39/eli-c
Gross Gamma precision (±)	180	pCi/L				1	E901.1	10/18/07 10:39/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/12/07 16:38/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/01/07 14:10/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/12/07 16:38/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/12/07 16:38/eli-c
RADIONUCLIDES - TOTAL								
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/29/07 08:20/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/01/07 14:10/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	10/31/07 13:11/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	10/31/07 11:00/eli-c
DATA QUALITY								
A/C Balance (± 5)	-0.532	%				1	A1030 E	12/11/07 17:43/eli-c
Anions	78.6	meq/L				1	A1030 E	12/11/07 17:43/eli-c
Cations	77.8	meq/L				1	A1030 E	12/11/07 17:43/eli-c
Solids, Total Dissolved Calculated	4950	mg/L				1	A1030 E	12/11/07 17:43/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100002-007
Client Sample ID: DewBurd GW678

Report Date: 12/19/07
Collection Date: 09/28/07 16:22
Date Received: 09/29/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
TDS Balance (0.80 - 1.20)	1.21	dec. %				1	A1030 E	12/11/07 17:43/eli-c
- TDS balance may have been affected by hydratable solids.								

Report Definitions:
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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100002-008
Client Sample ID: DewBurd GW7002

Report Date: 12/19/07
Collection Date: 09/28/07 17:48
Date Received: 09/29/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	280	mg/L		5		1	A2320 B	10/04/07 18:18/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/04/07 18:18/sn
Bicarbonate as HCO3	341	mg/L		5		1	A2320 B	10/04/07 18:18/sn
Calcium	206	mg/L	D	1		10	E200.7	10/09/07 20:38/eli-c
Magnesium	77.7	mg/L		0.5		10	E200.7	10/09/07 20:38/eli-c
Potassium	19.9	mg/L		0.5		2	E200.7	10/09/07 22:47/eli-c
Silica	7.3	mg/L		0.5		2	E200.7	10/09/07 22:47/eli-c
Sodium	152	mg/L	D	8		10	E200.7	10/09/07 20:38/eli-c
Chloride	10	mg/L		1		1	E300.0	09/29/07 23:08/jmh
Fluoride	0.2	mg/L		0.1		1	E300.0	09/29/07 23:08/jmh
Nitrogen, Ammonia as N	0.3	mg/L		0.1		1	A4500-NH3 G	10/04/07 16:37/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	09/29/07 23:08/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	09/29/07 23:08/jmh
Sulfate	1160	mg/L	D	10		20	E300.0	10/02/07 11:10/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2200	umhos/cm		5		1	A2510 B	10/02/07 19:12/jmh
pH	7.29	s.u.		0.01		1	A4500-H B	10/02/07 19:11/jmh
Solids, Total Dissolved TDS @ 180 C	1900	mg/L		5		1	A2540 C	10/05/07 16:24/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	10/09/07 16:55/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	10/09/07 16:55/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/09/07 16:55/eli-c
Boron	ND	mg/L		0.1		2	E200.7	10/09/07 22:47/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/09/07 16:55/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	10/09/07 16:55/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/09/07 16:55/eli-c
Iron	ND	mg/L		0.03		2	E200.7	10/09/07 22:47/eli-c
Lead	ND	mg/L		0.001		1	E200.8	10/09/07 16:55/eli-c
Manganese	0.39	mg/L		0.01		1	E200.8	10/09/07 16:55/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	10/09/07 16:55/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/09/07 16:55/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	10/09/07 16:55/eli-c
Selenium	0.001	mg/L		0.001		1	E200.8	10/09/07 16:55/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/09/07 16:55/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	10/11/07 15:55/eli-c
Uranium	0.0007	mg/L		0.0003		1	E200.8	10/11/07 15:55/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100002-008
Client Sample ID: DewBurd GW7002

Report Date: 12/19/07
Collection Date: 09/28/07 17:48
Date Received: 09/29/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		1	E200.8	10/09/07 16:55/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	10/09/07 16:55/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	10/22/07 13:25/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.0002		1	E200.8	10/09/07 21:03/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	45.6	pCi/L		1.0		1	E900.0	10/15/07 05:56/eli-c
Gross Alpha precision (±)	2.3	pCi/L				1	E900.0	10/15/07 05:56/eli-c
Gross Beta	29.7	pCi/L		2.0		1	E900.0	10/15/07 05:56/eli-c
Gross Beta precision (±)	3.8	pCi/L				1	E900.0	10/15/07 05:56/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/29/07 08:20/eli-c
Polonium 210	1.3	pCi/L		1.0		1	RMO-3008	11/01/07 14:10/eli-c
Polonium 210 precision (±)	1.2	pCi/L				1	RMO-3008	11/01/07 14:10/eli-c
Radium 226	8.5	pCi/L		0.2		1	E903.0	10/16/07 16:09/eli-c
Radium 226 precision (±)	0.9	pCi/L				1	E903.0	10/16/07 16:09/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	10/31/07 11:00/eli-c
Gross Gamma	1200	pCi/L		20		1	E901.1	10/18/07 10:39/eli-c
Gross Gamma precision (±)	180	pCi/L				1	E901.1	10/18/07 10:39/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/12/07 16:38/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/01/07 14:10/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/12/07 16:38/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/12/07 16:38/eli-c
RADIONUCLIDES - TOTAL								
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/29/07 08:20/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/01/07 14:10/eli-c
Radium 226	6.3	pCi/L		0.2		1	E903.0	10/31/07 13:11/eli-c
Radium 226 precision (±)	2.1	pCi/L				1	E903.0	10/31/07 13:11/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	10/31/07 11:00/eli-c
DATA QUALITY								
A/C Balance (± 5)	-4.65	%				1	A1030 E	12/11/07 17:46/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100002-008
Client Sample ID: DewBurd GW7002

Report Date: 12/19/07
Collection Date: 09/28/07 17:48
Date Received: 09/29/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
Anions	26.3	meq/L				1	A1030 E	12/11/07 17:46/eli-c
Cations	23.9	meq/L				1	A1030 E	12/11/07 17:46/eli-c
Solids, Total Dissolved Calculated	1620	mg/L				1	A1030 E	12/11/07 17:46/eli-c
TDS Balance (0.80 - 1.20)	1.19	dec. %				1	A1030 E	12/11/07 17:46/eli-c
- Ion balance achieved using Sulfate and Chloride from E200.7.								

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100002-009
Client Sample ID: DewBurd GW7

Report Date: 12/19/07
Collection Date: 09/28/07 17:28
Date Received: 09/29/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	176	mg/L		5		1	A2320 B	10/04/07 18:19/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/04/07 18:19/sn
Bicarbonate as HCO3	215	mg/L		5		1	A2320 B	10/04/07 18:19/sn
Calcium	30	mg/L	D	1		10	E200.7	10/09/07 20:42/eli-c
Magnesium	11.5	mg/L		0.5		10	E200.7	10/09/07 20:42/eli-c
Potassium	11.0	mg/L		0.5		2	E200.7	10/09/07 22:50/eli-c
Silica	7.5	mg/L		0.5		2	E200.7	10/09/07 22:50/eli-c
Sodium	237	mg/L	D	2		2	E200.7	10/09/07 22:50/eli-c
Chloride	12	mg/L		1		1	E300.0	09/29/07 23:24/jmh
Fluoride	0.3	mg/L		0.1		1	E300.0	09/29/07 23:24/jmh
Nitrogen, Ammonia as N	0.3	mg/L		0.1		1	A4500-NH3 G	10/04/07 16:38/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	09/29/07 23:24/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	09/29/07 23:24/jmh
Sulfate	586	mg/L	D	7		10	E300.0	10/02/07 11:27/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1490	umhos/cm		5		1	A2510 B	10/02/07 19:14/jmh
pH	8.13	s.u.		0.01		1	A4500-H B	10/02/07 19:13/jmh
Solids, Total Dissolved TDS @ 180 C	1000	mg/L		5		1	A2540 C	10/02/07 13:14/sn
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	10/09/07 15:24/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	10/09/07 15:24/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/09/07 15:24/eli-c
Boron	ND	mg/L		0.1		2	E200.7	10/09/07 22:50/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/09/07 15:24/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	10/09/07 15:24/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/09/07 15:24/eli-c
Iron	ND	mg/L		0.03		2	E200.7	10/09/07 22:50/eli-c
Lead	ND	mg/L		0.001		1	E200.8	10/09/07 15:24/eli-c
Manganese	0.03	mg/L		0.01		1	E200.8	10/09/07 15:24/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	10/09/07 15:24/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/09/07 15:24/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	10/09/07 15:24/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	10/09/07 15:24/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/09/07 15:24/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	10/11/07 16:03/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	10/11/07 16:03/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100002-009
Client Sample ID: DewBurd GW7

Report Date: 12/19/07
Collection Date: 09/28/07 17:28
Date Received: 09/29/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		1	E200.8	10/09/07 15:24/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	10/09/07 15:24/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	10/22/07 13:25/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.0002		1	E200.8	10/09/07 21:11/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	4.4	pCi/L		1.0		1	E900.0	10/15/07 05:56/eli-c
Gross Alpha precision (±)	1.2	pCi/L				1	E900.0	10/15/07 05:56/eli-c
Gross Beta	5.0	pCi/L		2.0		1	E900.0	10/15/07 05:56/eli-c
Gross Beta precision (±)	2.8	pCi/L				1	E900.0	10/15/07 05:56/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/29/07 08:20/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/01/07 14:10/eli-c
Radium 226	0.6	pCi/L		0.2		1	E903.0	10/16/07 16:09/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	10/16/07 16:09/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	10/31/07 11:00/eli-c
Gross Gamma	1200	pCi/L		20		1	E901.1	10/18/07 10:39/eli-c
Gross Gamma precision (±)	180	pCi/L				1	E901.1	10/18/07 10:39/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/12/07 16:38/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/01/07 14:10/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/12/07 16:38/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/12/07 16:38/eli-c
RADIONUCLIDES - TOTAL								
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/29/07 08:20/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/01/07 14:10/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	10/31/07 13:11/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	10/31/07 11:00/eli-c
DATA QUALITY								
A/C Balance (± 5)	-3.73	%				1	A1030 E	12/11/07 17:48/eli-c
Anions	14.1	meq/L				1	A1030 E	12/11/07 17:48/eli-c
Cations	13.0	meq/L				1	A1030 E	12/11/07 17:48/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100002-009
Client Sample ID: DewBurd GW7

Report Date: 12/19/07
Collection Date: 09/28/07 17:28
Date Received: 09/29/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
Solids, Total Dissolved Calculated	896	mg/L				1	A1030 E	12/11/07 17:48/eli-c
TDS Balance (0.80 - 1.20)	1.16	dec. %				1	A1030 E	12/11/07 17:48/eli-c
- Ion balance achieved using Sulfate from E200.7.								

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100002-010
Client Sample ID: DewBurd GW650

Report Date: 12/19/07
Collection Date: 09/28/07 19:00
Date Received: 09/29/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	116	mg/L		5		1	A2320 B	10/04/07 18:21/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	10/04/07 18:21/sn
Bicarbonate as HCO3	141	mg/L		5		1	A2320 B	10/04/07 18:21/sn
Calcium	219	mg/L	D	1		10	E200.7	10/09/07 20:45/eli-c
Magnesium	85.2	mg/L		0.5		10	E200.7	10/09/07 20:45/eli-c
Potassium	17.6	mg/L		0.5		2	E200.7	10/09/07 22:53/eli-c
Silica	2.7	mg/L		0.5		2	E200.7	10/09/07 22:53/eli-c
Sodium	110	mg/L	D	8		10	E200.7	10/09/07 20:45/eli-c
Chloride	17	mg/L		1		1	E300.0	09/29/07 23:41/jmh
Fluoride	ND	mg/L		0.1		1	E300.0	09/29/07 23:41/jmh
Nitrogen, Ammonia as N	0.6	mg/L		0.1		1	A4500-NH3 G	10/04/07 16:39/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	09/29/07 23:41/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	09/29/07 23:41/jmh
Sulfate	1320	mg/L	D	10		20	E300.0	10/02/07 11:43/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2260	umhos/cm		5		1	A2510 B	10/02/07 19:17/jmh
pH	7.04	s.u.		0.01		1	A4500-H B	10/02/07 19:16/jmh
Solids, Total Dissolved TDS @ 180 C	2000	mg/L		5		1	A2540 C	10/02/07 13:14/sn
METALS - DISSOLVED								
Aluminum	0.6	mg/L		0.1		1	E200.8	10/09/07 15:31/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	10/09/07 15:31/eli-c
Barium	ND	mg/L		0.1		1	E200.8	10/09/07 15:31/eli-c
Boron	ND	mg/L		0.1		2	E200.7	10/09/07 22:53/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	10/09/07 15:31/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	10/09/07 15:31/eli-c
Copper	ND	mg/L		0.01		1	E200.8	10/09/07 15:31/eli-c
Iron	13.2	mg/L		0.03		2	E200.7	10/09/07 22:53/eli-c
Lead	ND	mg/L		0.001		1	E200.8	10/09/07 15:31/eli-c
Manganese	2.44	mg/L		0.01		1	E200.8	10/09/07 15:31/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	10/09/07 15:31/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	10/09/07 15:31/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	10/09/07 15:31/eli-c
Selenium	0.002	mg/L		0.001		1	E200.8	10/09/07 15:31/eli-c
Silver	ND	mg/L		0.005		1	E200.8	10/09/07 15:31/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	10/11/07 16:10/eli-c
Uranium	0.0019	mg/L		0.0003		1	E200.8	10/11/07 16:10/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100002-010
Client Sample ID: DewBurd GW650

Report Date: 12/19/07
Collection Date: 09/28/07 19:00
Date Received: 09/29/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		1	E200.8	10/09/07 15:31/eli-c
Zinc	0.02	mg/L		0.01		1	E200.8	10/09/07 15:31/eli-c
METALS - SUSPENDED								
Uranium	0.0014	mg/L		0.0003		1	E200.8	10/22/07 13:25/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.0002		1	E200.8	10/09/07 21:18/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	13.1	pCi/L		1.0		1	E900.0	10/15/07 05:56/eli-c
Gross Alpha precision (±)	1.6	pCi/L				1	E900.0	10/15/07 05:56/eli-c
Gross Beta	20.9	pCi/L		2.0		1	E900.0	10/15/07 05:56/eli-c
Gross Beta precision (±)	3.7	pCi/L				1	E900.0	10/15/07 05:56/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/29/07 08:20/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/01/07 14:10/eli-c
Radium 226	2.7	pCi/L		0.2		1	E903.0	10/16/07 16:09/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	10/16/07 16:09/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	10/31/07 11:00/eli-c
Gross Gamma	1100	pCi/L		20		1	E901.1	10/18/07 10:39/eli-c
Gross Gamma precision (±)	200	pCi/L				1	E901.1	10/18/07 10:39/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/12/07 16:38/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/01/07 14:10/eli-c
Radium 226	0.6	pCi/L		0.2		1	E903.0	12/12/07 16:38/eli-c
Radium 226 precision (±)	0.8	pCi/L				1	E903.0	12/12/07 16:38/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/12/07 16:38/eli-c
RADIONUCLIDES - TOTAL								
Lead 210	ND	pCi/L		1.0		1	E909.0M	10/29/07 08:20/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/01/07 14:10/eli-c
Radium 226	3.2	pCi/L		0.2		1	E903.0	10/31/07 13:11/eli-c
Radium 226 precision (±)	1.5	pCi/L				1	E903.0	10/31/07 13:11/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	10/31/07 11:00/eli-c
DATA QUALITY								
A/C Balance (± 5)	-3.87	%				1	A1030 E	12/11/07 17:49/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07100002-010
Client Sample ID: DewBurd GW650

Report Date: 12/19/07
Collection Date: 09/28/07 19:00
Date Received: 09/29/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
Anions	25.9	meq/L				1	A1030 E	12/11/07 17:49/eli-c
Cations	23.9	meq/L				1	A1030 E	12/11/07 17:49/eli-c
Solids, Total Dissolved Calculated	1630	mg/L				1	A1030 E	12/11/07 17:49/eli-c
TDS Balance (0.80 - 1.20)	1.21	dec. %				1	A1030 E	12/11/07 17:49/eli-c

- Ion balance achieved using Sulfate from E200.7.
- TDS balance may have been affected by hydratable solids.

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

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07100002

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 071004A-ALK-SEL-W	
Sample ID: MBLK1_071004A	Method Blank				Run: PH_COND1-R_071004A			10/04/07 15:38	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Bicarbonate as HCO3	ND	mg/L	3						
Carbonate as CO3	ND	mg/L	3						
Sample ID: LCS1_071004A	Laboratory Control Sample				Run: PH_COND1-R_071004A			10/04/07 15:44	
Alkalinity, Total as CaCO3	960	mg/L	5.0	96	90	110			
Sample ID: R07090391-003BMS	Sample Matrix Spike				Run: PH_COND1-R_071004A			10/04/07 17:55	
Alkalinity, Total as CaCO3	220	mg/L	5.0	96	80	120			
Sample ID: R07100001-001BDUP	Sample Duplicate				Run: PH_COND1-R_071004A			10/04/07 17:59	
Alkalinity, Total as CaCO3	106	mg/L	5.0				3.7	10	
Carbonate as CO3	ND	mg/L	5.0				0.0	10	
Bicarbonate as HCO3	129	mg/L	5.0				3.7	10	
Sample ID: R07100043-002AMS	Sample Matrix Spike				Run: PH_COND1-R_071004A			10/04/07 18:28	
Alkalinity, Total as CaCO3	330	mg/L	5.0	106	80	120			
Method: A2510 B								Batch: 071002_1_COND-PROBE-W	
Sample ID: LCS1-1_071002	Laboratory Control Sample				Run: PH_COND2-R_071002A			10/02/07 18:11	
Conductivity @ 25 C	149	umhos/cm	5.0	99	90	110			
Sample ID: LCS2-1_071002	Laboratory Control Sample				Run: PH_COND2-R_071002A			10/02/07 18:12	
Conductivity @ 25 C	4920	umhos/cm	5.0	98	90	110			
Sample ID: LCS_COND-1_071002	Laboratory Control Sample				Run: PH_COND2-R_071002A			10/02/07 18:13	
Conductivity @ 25 C	1410	umhos/cm	5.0	100	90	110			
Sample ID: MBLK-1_071002	Method Blank				Run: PH_COND2-R_071002A			10/02/07 18:13	
Conductivity @ 25 C	ND	umhos/cm	5						
Sample ID: R07100002-009ADUP	Sample Duplicate				Run: PH_COND2-R_071002A			10/02/07 19:14	
Conductivity @ 25 C	1490	umhos/cm	5.0				0.0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07100002

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C								Batch: 071002A-SLDS-TDS-W	
Sample ID: MBLK1_071002A	Method Blank				Run: BAL-4-R_071002A			10/02/07 13:16	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: LCS1_071002A	Laboratory Control Sample				Run: BAL-4-R_071002A			10/02/07 13:16	
Solids, Total Dissolved TDS @ 180 C	200	mg/L	5.0	99	90	110			
Sample ID: R07100002-010AMS	Sample Matrix Spike				Run: BAL-4-R_071002A			10/02/07 13:15	
Solids, Total Dissolved TDS @ 180 C	2200	mg/L	5.0	102	80	120			
Sample ID: R07100002-010AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_071002A			10/02/07 13:15	
Solids, Total Dissolved TDS @ 180 C	2200	mg/L	5.0	120	80	120	1.6	10	
Method: A2540 C								Batch: 071005A-SLDS-TDS-W	
Sample ID: LCS1_071005A	Laboratory Control Sample				Run: BAL-4-R_071005A			10/05/07 16:23	
Solids, Total Dissolved TDS @ 180 C	200	mg/L	5.0	102	90	110			
Sample ID: MBLK1_071005A	Method Blank				Run: BAL-4-R_071005A			10/05/07 16:23	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: R07100044-001AMS	Sample Matrix Spike				Run: BAL-4-R_071005A			10/05/07 16:24	
Solids, Total Dissolved TDS @ 180 C	680	mg/L	5.0	99	80	120			
Sample ID: R07100044-001AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_071005A			10/05/07 16:24	
Solids, Total Dissolved TDS @ 180 C	670	mg/L	5.0	93	80	120	1.8	10	
Method: A4500-H B								Batch: 071002_1_PH-W	
Sample ID: LCS_pH-1_071002	Laboratory Control Sample				Run: PH_COND2-R_071002A			10/02/07 18:08	
pH	6.85	s.u.	0.010	100	98.55	101.45			
Sample ID: R07100002-009ADUP	Sample Duplicate				Run: PH_COND2-R_071002A			10/02/07 19:15	
pH	8.14	s.u.	0.010				0.1	1.25	

Qualifiers:

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ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07100002

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G								Batch: A2007-10-04_2_NH3_01	
Sample ID: MBLK-2	Method Blank				Run: TECHAA2-R_071004A			10/04/07 15:23	
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_071004A			10/04/07 15:26	
Nitrogen, Ammonia as N	0.26	mg/L	0.10	104	90	110			
Sample ID: R07100002-004BMS	Sample Matrix Spike				Run: TECHAA2-R_071004A			10/04/07 16:31	
Nitrogen, Ammonia as N	0.37	mg/L	0.10	88	80	120			
Sample ID: R07100023-002AMS	Sample Matrix Spike				Run: TECHAA2-R_071004A			10/04/07 16:45	
Nitrogen, Ammonia as N	0.27	mg/L	0.10	108	80	120			
Sample ID: R07100023-002AMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_071004A			10/04/07 16:46	
Nitrogen, Ammonia as N	0.26	mg/L	0.10	102	80	120	5.7	10	

Qualifiers:

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ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07100002

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R91017
Sample ID: LFB-TM	Laboratory Fortified Blank				Run: SUB-C91017				10/09/07 14:39
Silica	1.9	mg/L	0.10	97	85	125			
Boron	1.9	mg/L	0.10	96	85	125			
Iron	1.9	mg/L	0.030	96	85	125			
Sample ID: LFB-MAJORS	Laboratory Fortified Blank				Run: SUB-C91017				10/09/07 14:42
Calcium	23	mg/L	0.50	90	85	125			
Magnesium	23	mg/L	0.50	92	85	125			
Potassium	25	mg/L	0.50	101	85	125			
Sodium	23	mg/L	0.76	90	85	125			
Sample ID: R07090385-001C	Sample Matrix Spike				Run: SUB-C91017				10/09/07 19:19
Boron	9.11	mg/L	0.10	91	70	130			
Calcium	686	mg/L	1.0	76	70	130			
Iron	10.9	mg/L	0.046	89	70	130			
Magnesium	498	mg/L	0.50	79	70	130			
Potassium	1120	mg/L	0.50	92	70	130			
Silica	16.3	mg/L	0.20	84	70	130			
Sodium	489	mg/L	7.6	82	70	130			
Sample ID: R07090385-001C	Sample Matrix Spike Duplicate				Run: SUB-C91017				10/09/07 19:23
Boron	9.33	mg/L	0.10	93	70	130	2.4	20	
Calcium	701	mg/L	1.0	79	70	130	2.2	20	
Iron	11.1	mg/L	0.046	91	70	130	1.5	20	
Magnesium	506	mg/L	0.50	80	70	130	1.5	20	
Potassium	1130	mg/L	0.50	92	70	130	0.3	20	
Silica	16.9	mg/L	0.20	89	70	130	3.5	20	
Sodium	488	mg/L	7.6	82	70	130	0.4	20	
Method: E200.8									Batch: C_16385
Sample ID: MB-16385	Method Blank				Run: SUB-C91024				10/09/07 19:18
Mercury	ND	mg/L	3E-05						
Sample ID: C07100384-006BMS4	Post Digestion Spike				Run: SUB-C91024				10/09/07 22:49
Mercury	0.0059	mg/L	0.0010	84	70	130			
Sample ID: C07100384-006BMSD4	Post Digestion Spike Duplicate				Run: SUB-C91024				10/09/07 22:56
Mercury	0.0060	mg/L	0.0010	85	70	130	1.8	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07100002

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R91024
Sample ID: LRB	Method Blank				Run: SUB-C91024				10/09/07 12:46
Aluminum	0.0010	mg/L	0.0002						
Arsenic	ND	mg/L	0.0002						
Barium	ND	mg/L	9E-05						
Cadmium	ND	mg/L	0.0002						
Chromium	ND	mg/L	0.0001						
Copper	ND	mg/L	0.0001						
Lead	ND	mg/L	2E-05						
Manganese	ND	mg/L	3E-05						
Mercury	2E-05	mg/L	6E-06						
Molybdenum	0.0005	mg/L	7E-05						
Nickel	ND	mg/L	8E-05						
Selenium	ND	mg/L	0.0004						
Silver	ND	mg/L	3E-05						
Vanadium	ND	mg/L	9E-05						
Zinc	0.002	mg/L	0.002						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C91024				10/09/07 12:53
Aluminum	0.0527	mg/L	0.0010	103	85	115			
Arsenic	0.0517	mg/L	0.0010	103	85	115			
Barium	0.0495	mg/L	0.0010	99	85	115			
Cadmium	0.0509	mg/L	0.0010	102	85	115			
Chromium	0.0514	mg/L	0.0010	103	85	115			
Copper	0.0516	mg/L	0.0010	103	85	115			
Lead	0.0523	mg/L	0.0010	104	85	115			
Manganese	0.0512	mg/L	0.0010	102	85	115			
Mercury	0.00528	mg/L	0.0010	105	85	115			
Molybdenum	0.0490	mg/L	0.0010	97	85	115			
Nickel	0.0526	mg/L	0.0010	105	85	115			
Selenium	0.0528	mg/L	0.0010	105	85	115			
Silver	0.0197	mg/L	0.0010	98	85	115			
Vanadium	0.0517	mg/L	0.0010	103	85	115			
Zinc	0.0538	mg/L	0.0021	103	85	115			
Sample ID: R07100002-008C	Post Digestion Spike				Run: SUB-C91024				10/09/07 17:02
Aluminum	0.0491	mg/L	0.10	97	70	130			
Arsenic	0.0518	mg/L	0.0010	101	70	130			
Barium	0.0617	mg/L	0.10	104	70	130			
Cadmium	0.0469	mg/L	0.010	94	70	130			
Chromium	0.0489	mg/L	0.050	98	70	130			
Copper	0.0469	mg/L	0.010	91	70	130			
Lead	0.0520	mg/L	0.050	104	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07100002

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: C_R91024	
Sample ID: R07100002-008C	Post Digestion Spike				Run: SUB-C91024			10/09/07 17:02	
Manganese	0.447	mg/L	0.010		70	130			A
Mercury	0.00543	mg/L	0.0010	109	70	130			
Molybdenum	0.0477	mg/L	0.10	94	70	130			
Nickel	0.0475	mg/L	0.050	89	70	130			
Selenium	0.0503	mg/L	0.0010	98	70	130			
Silver	0.0162	mg/L	0.010	81	70	130			
Vanadium	0.0493	mg/L	0.10	98	70	130			
Zinc	0.0485	mg/L	0.010	90	70	130			
Sample ID: R07100002-008C	Post Digestion Spike Duplicate				Run: SUB-C91024			10/09/07 17:10	
Aluminum	0.0496	mg/L	0.10	98	70	130	0.0	20	
Arsenic	0.0520	mg/L	0.0010	102	70	130	0.5	20	
Barium	0.0619	mg/L	0.10	104	70	130	0.0	20	
Cadmium	0.0481	mg/L	0.010	96	70	130	2.4	20	
Chromium	0.0491	mg/L	0.050	98	70	130	0.0	20	
Copper	0.0476	mg/L	0.010	92	70	130	1.6	20	
Lead	0.0521	mg/L	0.050	104	70	130	0.3	20	
Manganese	0.445	mg/L	0.010		70	130	0.3	20	A
Mercury	0.00545	mg/L	0.0010	109	70	130	0.4	20	
Molybdenum	0.0489	mg/L	0.10	96	70	130	0.0	20	
Nickel	0.0489	mg/L	0.050	92	70	130	0.0	20	
Selenium	0.0504	mg/L	0.0010	98	70	130	0.2	20	
Silver	0.0163	mg/L	0.010	82	70	130	0.7	20	
Vanadium	0.0498	mg/L	0.10	99	70	130	0.0	20	
Zinc	0.0500	mg/L	0.010	93	70	130	3.2	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07100002

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R91138
Sample ID: LRB	Method Blank				Run: SUB-C91138				10/11/07 12:05
Lead	ND	mg/L	2E-05						
Mercury	4E-05	mg/L	6E-06						
Thorium 232	0.0001	mg/L	6E-05						
Uranium	ND	mg/L	4E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C91138				10/11/07 12:13
Lead	0.0507	mg/L	0.0010	101	85	115			
Mercury	0.00526	mg/L	0.0010	104	85	115			
Thorium 232	0.0498	mg/L	0.0010	99	85	115			
Uranium	0.0491	mg/L	0.00030	98	85	115			
Sample ID: R07100002-010C	Post Digestion Spike				Run: SUB-C91138				10/11/07 16:18
Lead	0.0513	mg/L	0.050	101	70	130			
Mercury	0.00515	mg/L	0.0010	102	70	130			
Thorium 232	0.0574	mg/L	0.0010	111	70	130			
Uranium	0.0580	mg/L	0.00030	112	70	130			
Sample ID: R07100002-010C	Post Digestion Spike Duplicate				Run: SUB-C91138				10/11/07 16:26
Lead	0.0514	mg/L	0.050	101	70	130	0.2	20	
Mercury	0.00519	mg/L	0.0010	103	70	130	0.8	20	
Thorium 232	0.0576	mg/L	0.0010	111	70	130	0.4	20	
Uranium	0.0572	mg/L	0.00030	111	70	130	1.5	20	
Method: E200.8									Batch: C_R91375
Sample ID: LRB	Method Blank				Run: SUB-C91375				10/17/07 10:20
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C91375				10/17/07 10:27
Uranium	0.0516	mg/L	0.00030	103	85	115			
Sample ID: R07100002-001C	Post Digestion Spike				Run: SUB-C91375				10/17/07 12:28
Uranium	0.0558	mg/L	0.00030	108	70	130			
Sample ID: R07100002-001C	Post Digestion Spike Duplicate				Run: SUB-C91375				10/17/07 12:35
Uranium	0.0554	mg/L	0.00030	107	70	130	0.7	20	

Qualifiers:

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07100002

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R31616
Sample ID: LFB0709285802-3	Laboratory Fortified Blank				Run: DIONEX_070928A				09/28/07 21:11
Chloride	4.70	mg/L	0.50	94	90	110			
Fluoride	2.01	mg/L	0.10	100	90	110			
Nitrogen, Nitrate as N	2.39	mg/L	0.10	96	90	110			
Nitrogen, Nitrite as N	2.38	mg/L	0.10	95	90	110			
Sample ID: LFB0709285802-4	Laboratory Fortified Blank				Run: DIONEX_070928A				09/28/07 21:27
Nitrogen, Nitrate as N	2.68	mg/L	0.10	107	90	110			
Sample ID: R07100002-001AMS	Sample Matrix Spike				Run: DIONEX_070928A				09/29/07 20:57
Chloride	97.4	mg/L	0.50		80	120			A
Fluoride	2.27	mg/L	0.10	91	80	120			
Nitrogen, Nitrate as N	2.23	mg/L	0.10	89	80	120			
Nitrogen, Nitrite as N	3.66	mg/L	0.10	146	80	120			S
Sample ID: R07100002-001AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_070928A				09/29/07 21:13
Chloride	96.9	mg/L	0.50		80	120	0.4	10	A
Fluoride	2.24	mg/L	0.10	89	80	120	1.3	10	
Nitrogen, Nitrate as N	2.31	mg/L	0.10	92	80	120	3.5	10	
Nitrogen, Nitrite as N	3.85	mg/L	0.10	154	80	120	5.1	10	S

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07100002

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R31638
Sample ID: LFB0710013150-3	Laboratory Fortified Blank				Run: DIONEX_071001A				10/01/07 20:24
Chloride	4.94	mg/L	0.50	99	90	110			
Sulfate	14.6	mg/L	1.0	97	90	110			
Sample ID: LFB0710013150-4	Laboratory Fortified Blank				Run: DIONEX_071001A				10/01/07 20:40
Chloride	4.65	mg/L	0.50	93	90	110			
Sulfate	14.3	mg/L	1.0	95	90	110			
Sample ID: R07090389-003BMS	Sample Matrix Spike				Run: DIONEX_071001A				10/02/07 07:04
Chloride	494	mg/L	4.0	92	80	120			
Sulfate	6780	mg/L	72	117	80	120			
Sample ID: R07090389-003BMSD	Sample Matrix Spike Duplicate				Run: DIONEX_071001A				10/02/07 07:20
Chloride	482	mg/L	4.0	89	80	120	2.4	10	
Sulfate	6530	mg/L	72	100	80	120	6.4	10	
Sample ID: R07100002-007AMS	Sample Matrix Spike				Run: DIONEX_071001A				10/02/07 10:21
Chloride	560	mg/L	4.0	96	80	120			
Sulfate	4960	mg/L	72	116	80	120			
Sample ID: R07100002-007AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_071001A				10/02/07 10:37
Chloride	544	mg/L	4.0	93	80	120	2.9	10	
Sulfate	4980	mg/L	72	118	80	120	5.4	10	
Method: E300.0									Batch: R31689
Sample ID: LFB0710040616-3	Laboratory Fortified Blank				Run: DIONEX_071004A				10/04/07 19:28
Chloride	5.09	mg/L	0.50	102	90	110			
Sample ID: LFB0710040616-4	Laboratory Fortified Blank				Run: DIONEX_071004A				10/04/07 19:44
Chloride	4.53	mg/L	0.50	91	90	110			
Sample ID: R07100091-001AMS	Sample Matrix Spike				Run: DIONEX_071004A				10/04/07 23:51
Chloride	194	mg/L	0.50		80	120			A
Sample ID: R07100091-001AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_071004A				10/05/07 00:07
Chloride	194	mg/L	0.50		80	120	0.2	10	A

Qualifiers:

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ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07100002

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0									Batch: C_GrAB-0331
Sample ID: RB-GrAB-0331	Method Blank				Run: SUB-C91233				10/13/07 02:39
Gross Alpha	ND	pCi/L	1						
Gross Beta	ND	pCi/L	2						
Sample ID: UNAT-GrAB-0331	Laboratory Control Sample				Run: SUB-C91233				10/13/07 02:39
Gross Alpha	300	pCi/L	1.0	111	70	130			
Sample ID: C07091288-002AMS	Sample Matrix Spike				Run: SUB-C91233				10/13/07 02:39
Gross Alpha	200	pCi/L	1.0	86	70	130			
Sample ID: C07091288-002AMSD	Sample Matrix Spike Duplicate				Run: SUB-C91233				10/13/07 02:39
Gross Alpha	200	pCi/L	1.0	82	70	130	4.1	13.7	
Sample ID: Cs137-GrAB-0331	Laboratory Control Sample				Run: SUB-C91233				10/13/07 02:39
Gross Beta	90	pCi/L	2.0	93	70	130			
Sample ID: C07091288-002AMS	Sample Matrix Spike				Run: SUB-C91233				10/13/07 02:39
Gross Beta	90	pCi/L	2.0	90	70	130			
Sample ID: C07091288-002AMSD	Sample Matrix Spike Duplicate				Run: SUB-C91233				10/13/07 02:39
Gross Beta	90	pCi/L	2.0	90	70	130	0.5	15.5	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07100002

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E901.1									Batch: C_R91554
Sample ID: LCS-R91554	Laboratory Control Sample				Run: SUB-C91554				10/18/07 10:39
Americium 241	760	pCi/L	20	93	70	130			
Cesium 137	1200	pCi/L	20	110	70	130			
Potassium 40	7200	pCi/L	20	108	70	130			
Sample ID: MB-R91554	Method Blank				Run: SUB-C91554				10/18/07 10:39
Americium 241	ND	pCi/L	20						
Barium 133	ND	pCi/L	20						
Bismuth 212	ND	pCi/L	20						
Bismuth 214	ND	pCi/L	20						
Cesium 134	ND	pCi/L	20						
Cesium 137	ND	pCi/L	20						
Cobalt 60	ND	pCi/L	20						
Iodine 125	ND	pCi/L	20						
Iodine 131	ND	pCi/L	20						
Lead 212	ND	pCi/L	20						
Lead 214	ND	pCi/L	20						
Manganese 54	ND	pCi/L	20						
Potassium 40	ND	pCi/L	20						
Radium 223	ND	pCi/L	20						
Radium 224	ND	pCi/L	20						
Thallium 208	ND	pCi/L	20						
Thorium 228	ND	pCi/L	20						
Thorium 234	ND	pCi/L	20						
Zinc 65	ND	pCi/L	20						
Radium 228	ND	pCi/L	20						
Gross Gamma	ND	pCi/L	20						
Sample ID: R07100002-002E	Sample Duplicate				Run: SUB-C91554				10/18/07 10:39
Gross Gamma	ND	pCi/L	20				0.0	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07100002

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: C_RA226-2362
Sample ID: R07100002-001E	Sample Matrix Spike				Run: SUB-C91384				10/16/07 15:05
Radium 226	29	pCi/L	0.20	104	70	130			
Sample ID: R07100002-001E	Sample Matrix Spike Duplicate				Run: SUB-C91384				10/16/07 15:05
Radium 226	25	pCi/L	0.20	82	70	130	18	26.6	
Sample ID: MB-RA226-2362	Method Blank				Run: SUB-C91384				10/16/07 16:09
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-2362	Laboratory Control Sample				Run: SUB-C91384				10/17/07 07:54
Radium 226	12	pCi/L	0.20	98	70	130			
Method: E903.0									Batch: C_RA226-2389
Sample ID: C07091026-001AMS	Sample Matrix Spike				Run: SUB-C92060				10/31/07 12:04
Radium 226	15	pCi/L	1.0	71	70	130			
- MSD recovery low, but MS and RPD are within limits, LCS <70% but acceptable according to Control Charts so the batch was approved.									
Sample ID: C07091026-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C92060				10/31/07 12:04
Radium 226	13	pCi/L	1.0	63	70	130	13	28.3	S
- MSD recovery low, but MS and RPD are within limits, LCS <70% but acceptable according to Control Charts so the batch was approved.									
Sample ID: MB-RA226-2389	Method Blank				Run: SUB-C92060				10/31/07 14:46
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-2389	Laboratory Control Sample				Run: SUB-C92060				10/31/07 14:46
Radium 226	8.8	pCi/L	0.20	69	70	130			S
MSD recovery low, but MS and RPD are within limits, LCS <70% but acceptable according to Control Charts so the batch was approved.									
Method: E907.0									Batch: C_R92402
Sample ID: LCS-R92402	Laboratory Control Sample				Run: SUB-C92402				10/31/07 00:00
Thorium 230	6.1	pCi/L	0.20	103	70	130			
Sample ID: R07100002-005E	Sample Matrix Spike				Run: SUB-C92402				10/31/07 11:00
Thorium 230	18	pCi/L	0.20	93	70	130			
Sample ID: R07100002-005E	Sample Matrix Spike Duplicate				Run: SUB-C92402				10/31/07 11:00
Thorium 230	19	pCi/L	0.20	99	70	130	6.4	30	
Sample ID: MB-R92402	Method Blank				Run: SUB-C92402				10/31/07 00:00
Thorium 230	ND	pCi/L	0.2						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07100002

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0M									Batch: C_R92397
Sample ID: LCS-R92397	Laboratory Control Sample				Run: SUB-C92397				10/29/07 08:20
Lead 210	79	pCi/L	1.0	98	70	130			
Sample ID: R07100002-001E	Sample Matrix Spike				Run: SUB-C92397				10/29/07 08:20
Lead 210	390	pCi/L	1.0	96	70	130			
Sample ID: R07100002-001E	Sample Matrix Spike Duplicate				Run: SUB-C92397				10/29/07 08:20
Lead 210	420	pCi/L	1.0	105	70	130	8.9	30	
Sample ID: MB-R92397	Method Blank				Run: SUB-C92397				10/29/07 08:20
Lead 210	ND	pCi/L	1						
Method: RMO-3008									Batch: C_R92278
Sample ID: R07100002-005E	Sample Matrix Spike				Run: SUB-C92278				11/01/07 14:10
Polonium 210	82	pCi/L	1.0	73	70	130			
Sample ID: R07100002-005E	Sample Matrix Spike Duplicate				Run: SUB-C92278				11/01/07 14:10
Polonium 210	98	pCi/L	1.0	88	70	130	18	30	
Sample ID: MB-R92278	Method Blank				Run: SUB-C92278				11/01/07 14:10
Polonium 210	ND	pCi/L	1						
Sample ID: LCS-R92278	Laboratory Control Sample				Run: SUB-C92278				11/01/07 14:10
Polonium 210	16	pCi/L	1.0	70	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

Page 1 of 2

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

Company Name: RESREC	Project Name, PWS #, Permit #, Etc.: PowerTech Devey Burdock		
Report Mail Address:	Contact Name, Phone, Fax, E-mail: Cory.Foreman@resrec.com 605-381-0024	Sampler Name if other than Contact: Eric Krantz 605-381-9800	
Invoice Address:	Invoice Contact & Phone #: Cory Foreman 605-381-0024	Purchase Order #:	ELI Quote #:

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 _____

ANALYSIS REQUESTED

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

See Quote

SEE ATTACHED

Normal Turnaround (TAT)
RUSH Turnaround (TAT)

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

Comments:

Receipt Temp 6.1 °C ice
Cooler ID(s)
Custody Seal Y N
Intact Y N
Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	Comments	Lab ID
1	DewBurd BKG04	9/28/07	8:16	W	Surface water	
2	DewBurd GW628	9/28/07	9:23	W	GW	0710000 2-001
3	DewBurd GW675	9/28/07	10:49	W	GW	002
4	DewBurd GW 42	9/28/07	11:34	W	GW	003
5	DewBurd GW 677	9/28/07	12:26	W	GW	004
6	DewBurd GW 676	9/28/07	13:46	W	GW	005
7	DewBurd GW 679	9/28/07	15:04	W	GW	006
8	DewBurd GW 678	9/28/07	16:22	W	GW	007
9	DewBurd GW 7002	9/28/07	17:48	W	GW	008
10	DewBurd GW 7	9/28/07	17:28	W	GW	009

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by:	Date/Time: 9/29/07 0758	Shipped by:	Received by: Date/Time:
Relinquished by:	Date/Time:	Shipped by:	Received by: Linda Lam 9/29/07 0758

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

LABORATORY USE ONLY
Sample Type: _____ # of fractions _____

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.

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ENERGY LABORATORIES

Chain of Custody and Analytical Request Record

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

Company Name: RESPEC	Project Name, PWS #, Permit #, Etc.: PowerTech, Peway, Burdock
Report Mail Address:	Contact Name, Phone, Fax, E-mail: Cory.foreman@respec.com 605-381-0024
	Sampler Name if other than Contact: Eric Kronk 605-381-7800
Invoice Address:	Invoice Contact & Phone #: Cory Foreman
	Purchase Order #:
	ELI Quote #:

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 _____

ANALYSIS REQUESTED

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

Receipt Temp _____ °C
Cooler ID(s) _____
Custody Seal Y N
Intact Y N
Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX (Number of Containers; Sample Type: A W S V B O; Air Water Soils/Solids Vegetation Bioassay Other)	SEE ATTACHED	Normal Turnaround (TAT)	RUSH Turnaround (TAT)	Comments:	Lab ID
1	DewBurd GW650	9/28/07	19:00	W	See Quote			GW	R07100002-010
2									
3									
4									
5									
6									
7									
8									
9									
10									

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by: [signature]	Date/Time: 9/29/07 0758	Shipped by:	Received by: Date/Time:
Relinquished by:	Date/Time:	Shipped by:	Received by: [signature] Date/Time: 9/29/07 0758

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

LABORATORY USE ONLY
Sample Type: _____ # of fractions _____

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.

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ANALYTICAL SUMMARY REPORT

December 19, 2007

Cory Foreman
RESPEC Inc
3824 Jet Dr
Rapid City, SD 57701-

Workorder No.: R07110146 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 10 samples from RESPEC Inc on 11/13/2007 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R07110146-001	DewBurdGW7002	11/12/07 8:10	11/13/07	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved
R07110146-002	DewBurdGW7	11/12/07 8:20	11/13/07	Aqueous	Same As Above
R07110146-003	DewBurdGW2	11/12/07 9:25	11/13/07	Aqueous	Same As Above
R07110146-004	DewBurdGW18	11/12/07 10:15	11/13/07	Aqueous	Same As Above
R07110146-005	DewBurdGW18	11/12/07 10:20	11/13/07	Aqueous	Same As Above
R07110146-006	DewBurdGW42	11/12/07 11:20	11/13/07	Aqueous	Same As Above
R07110146-007	DewBurdGW13	11/12/07 12:15	11/13/07	Aqueous	Same As Above
R07110146-008	DewBurdGW619	11/12/07 14:25	11/13/07	Aqueous	Same As Above
R07110146-009	DewBurdGW650	11/12/07 15:30	11/13/07	Aqueous	Same As Above
R07110146-010	DewBurdGW16	11/12/07 16:05	11/13/07	Aqueous	Same As Above

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Thank you for submitting your samples to Energy Laboratories, Inc. - Rapid City. The following pages contain the results of the sample tests listed above and applicable analytical notes.

The samples were analyzed in accordance with the methods specified on the analytical reports. All analyses were accompanied by appropriate quality control samples throughout the test. Where applicable, the results of these quality control samples will be included, following your analytical data.

If you have any questions regarding the analyses performed or the results of these analyses, please contact Energy Laboratories Inc. - Rapid City at (605) 342-1225, (888) 672-1225 or Rapid_City@energylab.com.

Report Approved By: Linda Larson

Linda Larson
Rapid City - Project Manager

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Date: *19-Dec-07*

CLIENT: RESPEC Inc
Project: Edgemont
Sample Delivery Group: R07110146

CASE NARRATIVE

This case narrative is used to explain any exceptions to the analyses performed for your sample(s). In accordance with Good Analytical Laboratory Practices (GALP), samples requiring data qualifiers or analytical modifications are explained herein.

All samples were analyzed in accordance with prescribed methodology, except were noted. Samples are accompanied by appropriate quality assurance/quality control (QA/QC) samples throughout the analytical process.

During the course of analyzing your sample(s) the following exceptions were noted.
- Any exceptions noted are listed in the Analytical Report and
- The "D" qualifier on the sodium value (only) indicates that the project specific minimum report limit of 0.5mg/L was not supported by MDL data on the ICP instrument. Therefore, the report limit for sodium was derated to the listed value.

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

BRANCH LABORATORY IDENTIFIERS
eli-b - Energy Laboratories, Inc. - Billings, MT, EPA # MT00005
eli-c - Energy Laboratories, Inc. - Casper, WY, EPA# WY00002
eli-f - Energy Laboratories, Inc. - Idaho Falls, ID, EPA # ID00942
eli-g - Energy Laboratories, Inc. - Gillette, WY, EPA# WY00006
eli-h - Energy Laboratories, Inc. - Helena, MT, EPA# MT00945
eli-t - Energy Laboratories, Inc. - College Station, TX, EPA# TX01520

For additional information, including certifications, and analytical services visit our web page www.energylab.com.

If you have questions regarding this information, please feel free to contact us at (888)672-1225, (605)342-1225 or rapid_city@energylab.com.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110146-001
Client Sample ID: DewBurdGW7002

Report Date: 12/19/07
Collection Date: 11/12/07 08:10
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	250	mg/L		5		1	A2320 B	11/26/07 15:54/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	11/26/07 15:54/sn
Bicarbonate as HCO3	305	mg/L		5		1	A2320 B	11/26/07 15:54/sn
Calcium	237	mg/L		0.5		1	E200.7	11/27/07 16:50/eli-c
Magnesium	90.4	mg/L		0.5		1	E200.7	11/27/07 16:50/eli-c
Potassium	22.2	mg/L		0.5		1	E200.7	11/27/07 16:50/eli-c
Silica	8.2	mg/L		0.5		1	E200.7	11/27/07 16:50/eli-c
Sodium	192	mg/L	D	0.8		1	E200.7	11/27/07 16:50/eli-c
Chloride	11	mg/L		1		1	E300.0	11/14/07 20:00/jmh
Fluoride	0.2	mg/L		0.1		1	E300.0	11/14/07 20:00/jmh
Nitrogen, Ammonia as N	0.3	mg/L		0.1		1	A4500-NH3 G	11/13/07 17:28/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	11/14/07 20:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	11/14/07 20:00/jmh
Sulfate	1040	mg/L	D	40		50	E300.0	11/14/07 19:13/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2210	umhos/cm		5		1	A2510 B	11/16/07 18:12/jmh
Oxidation-Reduction Potential	190	mV				1	A2580 B	11/13/07 09:00/sn
pH	7.22	s.u.		0.01		1	A4500-H B	11/16/07 14:04/jmh
Sodium Adsorption Ratio (SAR)	2.7			0.10		1	Calculation	12/10/07 16:45/lkl
Solids, Total Dissolved TDS @ 180 C	1900	mg/L		5		1	A2540 C	11/15/07 16:02/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	11/15/07 19:07/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	11/15/07 19:07/eli-c
Barium	ND	mg/L		0.1		1	E200.8	11/15/07 19:07/eli-c
Boron	ND	mg/L		0.1		1	E200.7	11/27/07 16:50/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	11/15/07 19:07/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	11/15/07 19:07/eli-c
Copper	ND	mg/L		0.01		1	E200.8	11/15/07 19:07/eli-c
Iron	0.25	mg/L		0.03		1	E200.7	11/27/07 16:50/eli-c
Lead	ND	mg/L		0.001		1	E200.8	11/15/07 19:07/eli-c
Manganese	0.37	mg/L		0.01		1	E200.8	11/15/07 19:07/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	11/15/07 19:07/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	11/15/07 19:07/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	11/15/07 19:07/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	11/28/07 13:29/eli-c
Silver	ND	mg/L		0.005		1	E200.8	11/15/07 19:07/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110146-001
Client Sample ID: DewBurdGW7002

Report Date: 12/19/07
Collection Date: 11/12/07 08:10
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	11/15/07 19:07/eli-c
Uranium	0.0006	mg/L		0.0003		1	E200.8	11/15/07 19:07/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	11/15/07 19:07/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	11/15/07 19:07/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	11/21/07 03:01/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.001		1	E200.8	11/19/07 18:20/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium-IV	ND	mg/L		0.0010		1	A3114 B	11/28/07 09:00/eli-c
Selenium-VI	ND	mg/L		0.0010		1	A3114 B	11/28/07 15:15/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	39.8	pCi/L		1.0		1	E900.0	12/03/07 03:33/eli-c
Gross Alpha precision (±)	2.1	pCi/L				1	E900.0	12/03/07 03:33/eli-c
Gross Beta	34.1	pCi/L		2.0		1	E900.0	12/03/07 03:33/eli-c
Gross Beta precision (±)	3.9	pCi/L				1	E900.0	12/03/07 03:33/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	11/19/07 10:35/eli-c
Polonium 210	4.1	pCi/L		1.0		1	RMO-3008	11/20/07 13:30/eli-c
Polonium 210 precision (±)	2.6	pCi/L				1	RMO-3008	11/20/07 13:30/eli-c
Radium 226	8.1	pCi/L		0.2		1	E903.0	11/25/07 13:07/eli-c
Radium 226 precision (±)	0.9	pCi/L				1	E903.0	11/25/07 13:07/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	11/21/07 14:10/eli-c
Gross Gamma	1600	pCi/L		20		1	E901.1	11/16/07 10:50/eli-c
Gross Gamma precision (±)	500	pCi/L				1	E901.1	11/16/07 10:50/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/03/07 04:30/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/26/07 12:30/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/02/07 09:55/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	11/26/07 14:10/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	938	pCi/L		100		1	D5072-92	11/15/07 18:10/eli-c
Radon 222 precision (±)	74.1	pCi/L				1	D5072-92	11/15/07 18:10/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110146-001
Client Sample ID: DewBurdGW7002

Report Date: 12/19/07
Collection Date: 11/12/07 08:10
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
A/C Balance (± 5)	2.47	%				1	A1030 E	12/10/07 16:38/eli-c
Anions	26.9	meq/L				1	A1030 E	12/10/07 16:38/eli-c
Cations	28.2	meq/L				1	A1030 E	12/10/07 16:38/eli-c
Solids, Total Dissolved Calculated	1750	mg/L				1	A1030 E	12/10/07 16:38/eli-c
TDS Balance (0.80 - 1.20)	1.09	dec. %				1	A1030 E	12/10/07 16:38/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110146-002
Client Sample ID: DewBurdGW7

Report Date: 12/19/07
Collection Date: 11/12/07 08:20
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	170	mg/L		5		1	A2320 B	11/26/07 15:56/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	11/26/07 15:56/sn
Bicarbonate as HCO3	207	mg/L		5		1	A2320 B	11/26/07 15:56/sn
Calcium	36.0	mg/L		0.5		1	E200.7	11/27/07 16:53/eli-c
Magnesium	15.3	mg/L		0.5		1	E200.7	11/27/07 16:53/eli-c
Potassium	11.1	mg/L		0.5		1	E200.7	11/27/07 16:53/eli-c
Silica	7.8	mg/L		0.5		1	E200.7	11/27/07 16:53/eli-c
Sodium	289	mg/L	D	0.8		1	E200.7	11/27/07 16:53/eli-c
Chloride	12	mg/L		1		1	E300.0	11/14/07 20:32/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	11/14/07 20:32/jmh
Nitrogen, Ammonia as N	0.4	mg/L		0.1		1	A4500-NH3 G	11/13/07 17:32/jmh
Nitrogen, Nitrate as N	0.1	mg/L		0.1		1	E300.0	11/14/07 20:32/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	11/14/07 20:32/jmh
Sulfate	567	mg/L	D	40		50	E300.0	11/14/07 20:16/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1440	umhos/cm		5		1	A2510 B	11/16/07 18:14/jmh
Oxidation-Reduction Potential	210	mV				1	A2580 B	11/13/07 09:00/sn
pH	8.05	s.u.		0.01		1	A4500-H B	11/16/07 14:08/jmh
Sodium Adsorption Ratio (SAR)	10			0.10		1	Calculation	12/10/07 16:45/lkl
Solids, Total Dissolved TDS @ 180 C	1000	mg/L		5		1	A2540 C	11/15/07 16:03/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	11/15/07 19:13/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	11/15/07 19:13/eli-c
Barium	ND	mg/L		0.1		1	E200.8	11/15/07 19:13/eli-c
Boron	ND	mg/L		0.1		1	E200.7	11/27/07 16:53/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	11/15/07 19:13/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	11/15/07 19:13/eli-c
Copper	ND	mg/L		0.01		1	E200.8	11/15/07 19:13/eli-c
Iron	ND	mg/L		0.03		1	E200.7	11/27/07 16:53/eli-c
Lead	ND	mg/L		0.001		1	E200.8	11/15/07 19:13/eli-c
Manganese	0.03	mg/L		0.01		1	E200.8	11/15/07 19:13/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	11/15/07 19:13/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	11/15/07 19:13/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	11/15/07 19:13/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	11/28/07 13:31/eli-c
Silver	ND	mg/L		0.005		1	E200.8	11/15/07 19:13/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110146-002
Client Sample ID: DewBurdGW7

Report Date: 12/19/07
Collection Date: 11/12/07 08:20
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	11/15/07 19:13/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	11/15/07 19:13/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	11/15/07 19:13/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	11/15/07 19:13/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	11/21/07 03:08/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.001		1	E200.8	11/19/07 18:27/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium-IV	ND	mg/L		0.0010		1	A3114 B	11/28/07 09:02/eli-c
Selenium-VI	ND	mg/L		0.0010		1	A3114 B	11/28/07 15:15/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	7.2	pCi/L		1.0		1	E900.0	12/03/07 03:32/eli-c
Gross Alpha precision (±)	1.1	pCi/L				1	E900.0	12/03/07 03:32/eli-c
Gross Beta	14.9	pCi/L		2.0		1	E900.0	12/03/07 03:32/eli-c
Gross Beta precision (±)	2.5	pCi/L				1	E900.0	12/03/07 03:32/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	11/19/07 10:35/eli-c
Polonium 210	2.1	pCi/L		1.0		1	RMO-3008	11/20/07 13:30/eli-c
Polonium 210 precision (±)	1.7	pCi/L				1	RMO-3008	11/20/07 13:30/eli-c
Radium 226	1.1	pCi/L		0.2		1	E903.0	11/25/07 16:09/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	11/25/07 16:09/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	11/21/07 14:10/eli-c
Gross Gamma	130	pCi/L		20		1	E901.1	11/16/07 10:50/eli-c
Gross Gamma precision (±)	39	pCi/L				1	E901.1	11/16/07 10:50/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/03/07 04:30/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/26/07 12:30/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/02/07 10:55/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	11/26/07 14:10/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	206	pCi/L		100		1	D5072-92	11/15/07 18:10/eli-c
Radon 222 precision (±)	65.0	pCi/L				1	D5072-92	11/15/07 18:10/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110146-002
Client Sample ID: DewBurdGW7

Report Date: 12/19/07
Collection Date: 11/12/07 08:20
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
A/C Balance (± 5)	1.13	%				1	A1030 E	12/10/07 16:39/eli-c
Anions	15.6	meq/L				1	A1030 E	12/10/07 16:39/eli-c
Cations	15.9	meq/L				1	A1030 E	12/10/07 16:39/eli-c
Solids, Total Dissolved Calculated	1040	mg/L				1	A1030 E	12/10/07 16:39/eli-c
TDS Balance (0.80 - 1.20)	0.980	dec. %				1	A1030 E	12/10/07 16:39/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110146-003
Client Sample ID: DewBurdGW2

Report Date: 12/19/07
Collection Date: 11/12/07 09:25
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	208	mg/L		5		1	A2320 B	11/26/07 15:58/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	11/26/07 15:58/sn
Bicarbonate as HCO3	254	mg/L		5		1	A2320 B	11/26/07 15:58/sn
Calcium	51.7	mg/L		0.5		1	E200.7	11/27/07 16:57/eli-c
Magnesium	16.6	mg/L		0.5		1	E200.7	11/27/07 16:57/eli-c
Potassium	11.4	mg/L		0.5		1	E200.7	11/27/07 16:57/eli-c
Silica	8.1	mg/L		0.5		1	E200.7	11/27/07 16:57/eli-c
Sodium	286	mg/L	D	0.8		1	E200.7	11/27/07 16:57/eli-c
Chloride	11	mg/L		1		1	E300.0	11/14/07 21:04/jmh
Fluoride	0.2	mg/L		0.1		1	E300.0	11/14/07 21:04/jmh
Nitrogen, Ammonia as N	0.4	mg/L		0.1		1	A4500-NH3 G	11/13/07 17:33/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	11/14/07 21:04/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	11/14/07 21:04/jmh
Sulfate	577	mg/L	D	40		50	E300.0	11/14/07 20:48/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1500	umhos/cm		5		1	A2510 B	11/16/07 18:15/jmh
Oxidation-Reduction Potential	140	mV				1	A2580 B	11/13/07 09:00/sn
pH	7.85	s.u.		0.01		1	A4500-H B	11/16/07 14:10/jmh
Sodium Adsorption Ratio (SAR)	8.8			0.10		1	Calculation	12/10/07 16:45/lkl
Solids, Total Dissolved TDS @ 180 C	1100	mg/L		5		1	A2540 C	11/15/07 16:03/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	11/15/07 19:20/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	11/15/07 19:20/eli-c
Barium	ND	mg/L		0.1		1	E200.8	11/15/07 19:20/eli-c
Boron	ND	mg/L		0.1		1	E200.7	11/27/07 16:57/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	11/15/07 19:20/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	11/15/07 19:20/eli-c
Copper	ND	mg/L		0.01		1	E200.8	11/15/07 19:20/eli-c
Iron	ND	mg/L		0.03		1	E200.7	11/27/07 16:57/eli-c
Lead	ND	mg/L		0.001		1	E200.8	11/15/07 19:20/eli-c
Manganese	0.08	mg/L		0.01		1	E200.8	11/15/07 19:20/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	11/15/07 19:20/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	11/15/07 19:20/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	11/15/07 19:20/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	11/28/07 13:33/eli-c
Silver	ND	mg/L		0.005		1	E200.8	11/15/07 19:20/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110146-003
Client Sample ID: DewBurdGW2

Report Date: 12/19/07
Collection Date: 11/12/07 09:25
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	11/15/07 19:20/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	11/15/07 19:20/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	11/15/07 19:20/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	11/15/07 19:20/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	11/21/07 03:14/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.001		1	E200.8	11/19/07 18:34/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium-IV	ND	mg/L		0.0010		1	A3114 B	11/28/07 09:04/eli-c
Selenium-VI	ND	mg/L		0.0010		1	A3114 B	11/28/07 15:15/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	8.7	pCi/L		1.0		1	E900.0	12/03/07 03:32/eli-c
Gross Alpha precision (±)	1.1	pCi/L				1	E900.0	12/03/07 03:32/eli-c
Gross Beta	12.4	pCi/L		2.0		1	E900.0	12/03/07 03:32/eli-c
Gross Beta precision (±)	2.4	pCi/L				1	E900.0	12/03/07 03:32/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	11/19/07 10:35/eli-c
Polonium 210	2.0	pCi/L		1.0		1	RMO-3008	11/20/07 13:30/eli-c
Polonium 210 precision (±)	1.6	pCi/L				1	RMO-3008	11/20/07 13:30/eli-c
Radium 226	1.3	pCi/L		0.2		1	E903.0	11/25/07 17:09/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	11/25/07 17:09/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	11/21/07 14:10/eli-c
Gross Gamma	260	pCi/L		20		1	E901.1	11/16/07 10:50/eli-c
Gross Gamma precision (±)	49	pCi/L				1	E901.1	11/16/07 10:50/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/03/07 04:30/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/26/07 12:30/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/02/07 11:55/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	11/26/07 14:10/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	674	pCi/L		100		1	D5072-92	11/15/07 18:10/eli-c
Radon 222 precision (±)	70.4	pCi/L				1	D5072-92	11/15/07 18:10/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110146-003
Client Sample ID: DewBurdGW2

Report Date: 12/19/07
Collection Date: 11/12/07 09:25
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
A/C Balance (± 5)	0.663	%				1	A1030 E	12/10/07 16:39/eli-c
Anions	16.5	meq/L				1	A1030 E	12/10/07 16:39/eli-c
Cations	16.7	meq/L				1	A1030 E	12/10/07 16:39/eli-c
Solids, Total Dissolved Calculated	1090	mg/L				1	A1030 E	12/10/07 16:39/eli-c
TDS Balance (0.80 - 1.20)	0.970	dec. %				1	A1030 E	12/10/07 16:39/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110146-004
Client Sample ID: DewBurdGW18

Report Date: 12/19/07
Collection Date: 11/12/07 10:15
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	176	mg/L		5		1	A2320 B	11/26/07 16:00/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	11/26/07 16:00/sn
Bicarbonate as HCO3	215	mg/L		5		1	A2320 B	11/26/07 16:00/sn
Calcium	33.0	mg/L		0.5		1	E200.7	11/27/07 17:00/eli-c
Magnesium	11.6	mg/L		0.5		1	E200.7	11/27/07 17:00/eli-c
Potassium	7.0	mg/L		0.5		1	E200.7	11/27/07 17:00/eli-c
Silica	7.3	mg/L		0.5		1	E200.7	11/27/07 17:00/eli-c
Sodium	280	mg/L	D	0.8		1	E200.7	11/27/07 17:00/eli-c
Chloride	13	mg/L		1		1	E300.0	11/14/07 21:36/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	11/14/07 21:36/jmh
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	11/13/07 17:34/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	11/14/07 21:36/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	11/14/07 21:36/jmh
Sulfate	534	mg/L	D	40		50	E300.0	11/14/07 21:20/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1360	umhos/cm		5		1	A2510 B	11/16/07 18:15/jmh
Oxidation-Reduction Potential	80	mV				1	A2580 B	11/13/07 09:00/sn
pH	8.02	s.u.		0.01		1	A4500-H B	11/16/07 14:12/jmh
Sodium Adsorption Ratio (SAR)	11			0.10		1	Calculation	12/10/07 16:45/lkl
Solids, Total Dissolved TDS @ 180 C	960	mg/L		5		1	A2540 C	11/15/07 16:05/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	11/15/07 19:27/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	11/15/07 19:27/eli-c
Barium	ND	mg/L		0.1		1	E200.8	11/15/07 19:27/eli-c
Boron	ND	mg/L		0.1		1	E200.7	11/27/07 17:00/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	11/15/07 19:27/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	11/15/07 19:27/eli-c
Copper	ND	mg/L		0.01		1	E200.8	11/15/07 19:27/eli-c
Iron	ND	mg/L		0.03		1	E200.7	11/27/07 17:00/eli-c
Lead	ND	mg/L		0.001		1	E200.8	11/15/07 19:27/eli-c
Manganese	0.06	mg/L		0.01		1	E200.8	11/15/07 19:27/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	11/15/07 19:27/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	11/15/07 19:27/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	11/15/07 19:27/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	11/28/07 13:35/eli-c
Silver	ND	mg/L		0.005		1	E200.8	11/15/07 19:27/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110146-004
Client Sample ID: DewBurdGW18

Report Date: 12/19/07
Collection Date: 11/12/07 10:15
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	11/15/07 19:27/eli-c
Uranium	0.0066	mg/L		0.0003		1	E200.8	11/15/07 19:27/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	11/15/07 19:27/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	11/15/07 19:27/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	11/21/07 03:21/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.001		1	E200.8	11/19/07 18:40/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium-IV	ND	mg/L		0.0010		1	A3114 B	11/28/07 09:06/eli-c
Selenium-VI	ND	mg/L		0.0010		1	A3114 B	11/28/07 15:15/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	18.9	pCi/L		1.0		1	E900.0	12/03/07 03:32/eli-c
Gross Alpha precision (±)	1.3	pCi/L				1	E900.0	12/03/07 03:32/eli-c
Gross Beta	12.1	pCi/L		2.0		1	E900.0	12/03/07 03:32/eli-c
Gross Beta precision (±)	2.4	pCi/L				1	E900.0	12/03/07 03:32/eli-c
Lead 210	4.6	pCi/L		1.0		1	E909.0M	11/19/07 10:35/eli-c
Lead 210 precision (±)	1.1	pCi/L				1	E909.0M	11/19/07 10:35/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/20/07 13:30/eli-c
Radium 226	3.2	pCi/L		0.2		1	E903.0	11/25/07 18:10/eli-c
Radium 226 precision (±)	0.6	pCi/L				1	E903.0	11/25/07 18:10/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	11/21/07 14:10/eli-c
Gross Gamma	370	pCi/L		20		1	E901.1	11/16/07 10:50/eli-c
Gross Gamma precision (±)	61	pCi/L				1	E901.1	11/16/07 10:50/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/03/07 04:30/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/26/07 12:30/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/02/07 12:56/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	11/26/07 14:10/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	945	pCi/L		100		1	D5072-92	11/15/07 18:10/eli-c
Radon 222 precision (±)	73.2	pCi/L				1	D5072-92	11/15/07 18:10/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110146-004
Client Sample ID: DewBurdGW18

Report Date: 12/19/07
Collection Date: 11/12/07 10:15
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
A/C Balance (± 5)	-0.239	%				1	A1030 E	12/10/07 16:39/eli-c
Anions	15.0	meq/L				1	A1030 E	12/10/07 16:39/eli-c
Cations	15.0	meq/L				1	A1030 E	12/10/07 16:39/eli-c
Solids, Total Dissolved Calculated	994	mg/L				1	A1030 E	12/10/07 16:39/eli-c
TDS Balance (0.80 - 1.20)	0.970	dec. %				1	A1030 E	12/10/07 16:39/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110146-005
Client Sample ID: DewBurdGW18

Report Date: 12/19/07
Collection Date: 11/12/07 10:20
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	172	mg/L		5		1	A2320 B	11/26/07 16:02/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	11/26/07 16:02/sn
Bicarbonate as HCO3	210	mg/L		5		1	A2320 B	11/26/07 16:02/sn
Calcium	32.5	mg/L		0.5		1	E200.7	11/27/07 17:03/eli-c
Magnesium	11.4	mg/L		0.5		1	E200.7	11/27/07 17:03/eli-c
Potassium	7.0	mg/L		0.5		1	E200.7	11/27/07 17:03/eli-c
Silica	7.3	mg/L		0.5		1	E200.7	11/27/07 17:03/eli-c
Sodium	276	mg/L	D	0.8		1	E200.7	11/27/07 17:03/eli-c
Chloride	13	mg/L		1		1	E300.0	11/14/07 22:08/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	11/14/07 22:08/jmh
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	11/13/07 17:35/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	11/14/07 22:08/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	11/14/07 22:08/jmh
Sulfate	536	mg/L	D	40		50	E300.0	11/14/07 21:52/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1330	umhos/cm		5		1	A2510 B	11/16/07 18:16/jmh
Oxidation-Reduction Potential	85	mV				1	A2580 B	11/13/07 09:00/sn
pH	8.06	s.u.		0.01		1	A4500-H B	11/16/07 14:13/jmh
Sodium Adsorption Ratio (SAR)	11			0.10		1	Calculation	12/10/07 16:45/lkl
Solids, Total Dissolved TDS @ 180 C	950	mg/L		5		1	A2540 C	11/15/07 16:06/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	11/15/07 19:34/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	11/15/07 19:34/eli-c
Barium	ND	mg/L		0.1		1	E200.8	11/15/07 19:34/eli-c
Boron	ND	mg/L		0.1		1	E200.7	11/27/07 17:03/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	11/15/07 19:34/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	11/15/07 19:34/eli-c
Copper	ND	mg/L		0.01		1	E200.8	11/15/07 19:34/eli-c
Iron	ND	mg/L		0.03		1	E200.7	11/27/07 17:03/eli-c
Lead	ND	mg/L		0.001		1	E200.8	11/15/07 19:34/eli-c
Manganese	0.06	mg/L		0.01		1	E200.8	11/15/07 19:34/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	11/15/07 19:34/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	11/15/07 19:34/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	11/15/07 19:34/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	11/28/07 13:37/eli-c
Silver	ND	mg/L		0.005		1	E200.8	11/15/07 19:34/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110146-005
Client Sample ID: DewBurdGW18

Report Date: 12/19/07
Collection Date: 11/12/07 10:20
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	11/15/07 19:34/eli-c
Uranium	0.0065	mg/L		0.0003		1	E200.8	11/15/07 19:34/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	11/15/07 19:34/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	11/15/07 19:34/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	11/21/07 03:28/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.001		1	E200.8	11/19/07 18:47/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium-IV	ND	mg/L		0.0010		1	A3114 B	11/28/07 09:09/eli-c
Selenium-VI	ND	mg/L		0.0010		1	A3114 B	11/28/07 15:15/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	20.0	pCi/L		1.0		1	E900.0	12/03/07 03:32/eli-c
Gross Alpha precision (±)	1.4	pCi/L				1	E900.0	12/03/07 03:32/eli-c
Gross Beta	13.0	pCi/L		2.0		1	E900.0	12/03/07 03:32/eli-c
Gross Beta precision (±)	2.5	pCi/L				1	E900.0	12/03/07 03:32/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	11/19/07 10:35/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/20/07 13:30/eli-c
Radium 226	3.6	pCi/L		0.2		1	E903.0	11/25/07 19:10/eli-c
Radium 226 precision (±)	0.6	pCi/L				1	E903.0	11/25/07 19:10/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	11/21/07 14:10/eli-c
Gross Gamma	330	pCi/L		20		1	E901.1	11/16/07 10:50/eli-c
Gross Gamma precision (±)	62	pCi/L				1	E901.1	11/16/07 10:50/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/03/07 04:30/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/26/07 12:30/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/02/07 13:56/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	11/26/07 14:10/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	944	pCi/L		100		1	D5072-92	11/15/07 18:10/eli-c
Radon 222 precision (±)	73.2	pCi/L				1	D5072-92	11/15/07 18:10/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110146-005
Client Sample ID: DewBurdGW18

Report Date: 12/19/07
Collection Date: 11/12/07 10:20
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
A/C Balance (± 5)	-0.843	%				1	A1030 E	12/10/07 16:39/eli-c
Anions	15.0	meq/L				1	A1030 E	12/10/07 16:39/eli-c
Cations	14.7	meq/L				1	A1030 E	12/10/07 16:39/eli-c
Solids, Total Dissolved Calculated	988	mg/L				1	A1030 E	12/10/07 16:39/eli-c
TDS Balance (0.80 - 1.20)	0.970	dec. %				1	A1030 E	12/10/07 16:39/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110146-006
Client Sample ID: DewBurdGW42

Report Date: 12/19/07
Collection Date: 11/12/07 11:20
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	174	mg/L		5		1	A2320 B	11/26/07 16:04/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	11/26/07 16:04/sn
Bicarbonate as HCO3	212	mg/L		5		1	A2320 B	11/26/07 16:04/sn
Calcium	34.0	mg/L		0.5		1	E200.7	11/27/07 17:07/eli-c
Magnesium	11.8	mg/L		0.5		1	E200.7	11/27/07 17:07/eli-c
Potassium	7.2	mg/L		0.5		1	E200.7	11/27/07 17:07/eli-c
Silica	7.2	mg/L		0.5		1	E200.7	11/27/07 17:07/eli-c
Sodium	270	mg/L	D	0.8		1	E200.7	11/27/07 17:07/eli-c
Chloride	13	mg/L		1		1	E300.0	11/14/07 23:43/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	11/14/07 23:43/jmh
Nitrogen, Ammonia as N	0.1	mg/L		0.1		1	A4500-NH3 G	11/13/07 17:36/jmh
Nitrogen, Nitrate as N	0.2	mg/L		0.1		1	E300.0	11/14/07 23:43/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	11/14/07 23:43/jmh
Sulfate	519	mg/L	D	40		50	E300.0	11/14/07 22:55/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1310	umhos/cm		5		1	A2510 B	11/16/07 18:17/jmh
Oxidation-Reduction Potential	240	mV				1	A2580 B	11/13/07 09:00/sn
pH	7.95	s.u.		0.01		1	A4500-H B	11/16/07 14:14/jmh
Sodium Adsorption Ratio (SAR)	10			0.10		1	Calculation	12/10/07 16:45/lkl
Solids, Total Dissolved TDS @ 180 C	940	mg/L		5		1	A2540 C	11/15/07 16:06/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	11/15/07 19:40/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	11/15/07 19:40/eli-c
Barium	ND	mg/L		0.1		1	E200.8	11/15/07 19:40/eli-c
Boron	ND	mg/L		0.1		1	E200.7	11/27/07 17:07/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	11/15/07 19:40/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	11/15/07 19:40/eli-c
Copper	ND	mg/L		0.01		1	E200.8	11/15/07 19:40/eli-c
Iron	ND	mg/L		0.03		1	E200.7	11/27/07 17:07/eli-c
Lead	ND	mg/L		0.001		1	E200.8	11/15/07 19:40/eli-c
Manganese	0.08	mg/L		0.01		1	E200.8	11/15/07 19:40/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	11/15/07 19:40/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	11/15/07 19:40/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	11/15/07 19:40/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	11/28/07 13:39/eli-c
Silver	ND	mg/L		0.005		1	E200.8	11/15/07 19:40/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110146-006
Client Sample ID: DewBurdGW42

Report Date: 12/19/07
Collection Date: 11/12/07 11:20
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	11/15/07 19:40/eli-c
Uranium	0.0324	mg/L		0.0003		1	E200.8	11/15/07 19:40/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	11/15/07 19:40/eli-c
Zinc	0.03	mg/L		0.01		1	E200.8	11/15/07 19:40/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	11/21/07 03:34/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.001		1	E200.8	11/19/07 19:08/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium-IV	ND	mg/L		0.0010		1	A3114 B	11/28/07 09:11/eli-c
Selenium-VI	ND	mg/L		0.0010		1	A3114 B	11/28/07 15:15/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	375	pCi/L		1.0		1	E900.0	12/03/07 03:32/eli-c
Gross Alpha precision (±)	4.5	pCi/L				1	E900.0	12/03/07 03:32/eli-c
Gross Beta	173	pCi/L		2.0		1	E900.0	12/03/07 03:32/eli-c
Gross Beta precision (±)	4.5	pCi/L				1	E900.0	12/03/07 03:32/eli-c
Lead 210	21	pCi/L		1.0		1	E909.0M	11/19/07 10:35/eli-c
Lead 210 precision (±)	2.3	pCi/L				1	E909.0M	11/19/07 10:35/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/20/07 13:30/eli-c
Radium 226	102	pCi/L		0.2		1	E903.0	11/25/07 19:59/eli-c
Radium 226 precision (±)	3.6	pCi/L				1	E903.0	11/25/07 19:59/eli-c
Thorium 230	0.5	pCi/L		0.2		1	E907.0	11/21/07 14:10/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	11/21/07 14:10/eli-c
Gross Gamma	70000	pCi/L		20		1	E901.1	11/16/07 10:50/eli-c
Gross Gamma precision (±)	610	pCi/L				1	E901.1	11/16/07 10:50/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/03/07 04:30/eli-c
Polonium 210	1.1	pCi/L		1.0		1	RMO-3008	11/26/07 12:30/eli-c
Polonium 210 precision (±)	0.34	pCi/L				1	RMO-3008	11/26/07 12:30/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/02/07 14:57/eli-c
Thorium 230	0.2	pCi/L		0.2		1	E907.0	11/26/07 14:10/eli-c
Thorium 230 precision (±)	0.09	pCi/L				1	E907.0	11/26/07 14:10/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110146-006
Client Sample ID: DewBurdGW42

Report Date: 12/19/07
Collection Date: 11/12/07 11:20
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - TOTAL								
Radon 222	132000	pCi/L		100		1	D5072-92	11/15/07 18:10/eli-c
Radon 222 precision (±)	474	pCi/L				1	D5072-92	11/15/07 18:10/eli-c
DATA QUALITY								
A/C Balance (± 5)	-0.342	%				1	A1030 E	12/10/07 16:40/eli-c
Anions	14.7	meq/L				1	A1030 E	12/10/07 16:40/eli-c
Cations	14.6	meq/L				1	A1030 E	12/10/07 16:40/eli-c
Solids, Total Dissolved Calculated	969	mg/L				1	A1030 E	12/10/07 16:40/eli-c
TDS Balance (0.80 - 1.20)	0.970	dec. %				1	A1030 E	12/10/07 16:40/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110146-007
Client Sample ID: DewBurdGW13

Report Date: 12/19/07
Collection Date: 11/12/07 12:15
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	142	mg/L		5		1	A2320 B	11/26/07 16:06/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	11/26/07 16:06/sn
Bicarbonate as HCO3	173	mg/L		5		1	A2320 B	11/26/07 16:06/sn
Calcium	61.3	mg/L		0.5		1	E200.7	11/27/07 17:10/eli-c
Magnesium	25.1	mg/L		0.5		1	E200.7	11/27/07 17:10/eli-c
Potassium	11.7	mg/L		0.5		1	E200.7	11/27/07 17:10/eli-c
Silica	6.2	mg/L		0.5		1	E200.7	11/27/07 17:10/eli-c
Sodium	175	mg/L	D	0.8		1	E200.7	11/27/07 17:10/eli-c
Chloride	11	mg/L		1		1	E300.0	11/15/07 00:15/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	11/15/07 00:15/jmh
Nitrogen, Ammonia as N	0.1	mg/L		0.1		1	A4500-NH3 G	11/13/07 17:38/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	11/15/07 00:15/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	11/15/07 00:15/jmh
Sulfate	520	mg/L	D	40		50	E300.0	11/14/07 23:59/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1140	umhos/cm		5		1	A2510 B	11/16/07 18:18/jmh
Oxidation-Reduction Potential	230	mV				1	A2580 B	11/13/07 09:00/sn
pH	7.75	s.u.		0.01		1	A4500-H B	11/16/07 14:16/jmh
Sodium Adsorption Ratio (SAR)	4.7			0.10		1	Calculation	12/10/07 16:45/lkl
Solids, Total Dissolved TDS @ 180 C	890	mg/L		5		1	A2540 C	11/15/07 16:07/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	11/15/07 19:47/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	11/15/07 19:47/eli-c
Barium	ND	mg/L		0.1		1	E200.8	11/15/07 19:47/eli-c
Boron	ND	mg/L		0.1		1	E200.7	11/27/07 17:10/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	11/15/07 19:47/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	11/15/07 19:47/eli-c
Copper	ND	mg/L		0.01		1	E200.8	11/15/07 19:47/eli-c
Iron	ND	mg/L		0.03		1	E200.7	11/27/07 17:10/eli-c
Lead	ND	mg/L		0.001		1	E200.8	11/15/07 19:47/eli-c
Manganese	0.20	mg/L		0.01		1	E200.8	11/15/07 19:47/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	11/15/07 19:47/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	11/15/07 19:47/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	11/15/07 19:47/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	11/28/07 13:41/eli-c
Silver	ND	mg/L		0.005		1	E200.8	11/15/07 19:47/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110146-007
Client Sample ID: DewBurdGW13

Report Date: 12/19/07
Collection Date: 11/12/07 12:15
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	11/15/07 19:47/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	11/15/07 19:47/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	11/15/07 19:47/eli-c
Zinc	0.04	mg/L		0.01		1	E200.8	11/15/07 19:47/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	11/21/07 03:41/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.001		1	E200.8	11/19/07 19:14/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium-IV	ND	mg/L		0.0010		1	A3114 B	11/28/07 09:13/eli-c
Selenium-VI	ND	mg/L		0.0010		1	A3114 B	11/28/07 15:15/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	7.5	pCi/L		1.0		1	E900.0	12/03/07 03:32/eli-c
Gross Alpha precision (±)	1.0	pCi/L				1	E900.0	12/03/07 03:32/eli-c
Gross Beta	11.7	pCi/L		2.0		1	E900.0	12/03/07 03:32/eli-c
Gross Beta precision (±)	2.1	pCi/L				1	E900.0	12/03/07 03:32/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	11/19/07 10:35/eli-c
Polonium 210	2.6	pCi/L		1.0		1	RMO-3008	11/20/07 13:30/eli-c
Polonium 210 precision (±)	1.8	pCi/L				1	RMO-3008	11/20/07 13:30/eli-c
Radium 226	1.6	pCi/L		0.2		1	E903.0	11/25/07 21:00/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	11/25/07 21:00/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	11/21/07 14:10/eli-c
Gross Gamma	4300	pCi/L		20		1	E901.1	11/16/07 10:50/eli-c
Gross Gamma precision (±)	370	pCi/L				1	E901.1	11/16/07 10:50/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/03/07 04:30/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/26/07 12:30/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/02/07 15:57/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	11/26/07 14:10/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	305	pCi/L		100		1	D5072-92	11/15/07 18:10/eli-c
Radon 222 precision (±)	64.5	pCi/L				1	D5072-92	11/15/07 18:10/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110146-007
Client Sample ID: DewBurdGW13

Report Date: 12/19/07
Collection Date: 11/12/07 12:15
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
A/C Balance (± 5)	-3.53	%				1	A1030 E	12/10/07 16:40/eli-c
Anions	14.0	meq/L				1	A1030 E	12/10/07 16:40/eli-c
Cations	13.1	meq/L				1	A1030 E	12/10/07 16:40/eli-c
Solids, Total Dissolved Calculated	898	mg/L				1	A1030 E	12/10/07 16:40/eli-c
TDS Balance (0.80 - 1.20)	0.990	dec. %				1	A1030 E	12/10/07 16:40/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110146-008
Client Sample ID: DewBurdGW619

Report Date: 12/19/07
Collection Date: 11/12/07 14:25
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	98	mg/L		5		1	A2320 B	11/26/07 16:09/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	11/26/07 16:09/sn
Bicarbonate as HCO3	119	mg/L		5		1	A2320 B	11/26/07 16:09/sn
Calcium	263	mg/L		0.5		1	E200.7	11/27/07 17:13/eli-c
Magnesium	96.4	mg/L		0.5		1	E200.7	11/27/07 17:13/eli-c
Potassium	16.2	mg/L		0.5		1	E200.7	11/27/07 17:13/eli-c
Silica	6.0	mg/L		0.5		1	E200.7	11/27/07 17:13/eli-c
Sodium	86.1	mg/L	D	0.8		1	E200.7	11/27/07 17:13/eli-c
Chloride	10	mg/L		1		1	E300.0	11/15/07 00:47/jmh
Fluoride	0.2	mg/L		0.1		1	E300.0	11/15/07 00:47/jmh
Nitrogen, Ammonia as N	0.3	mg/L		0.1		1	A4500-NH3 G	11/13/07 17:39/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	11/15/07 00:47/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	11/15/07 00:47/jmh
Sulfate	1180	mg/L	D	40		50	E300.0	11/15/07 00:31/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1860	umhos/cm		5		1	A2510 B	11/16/07 18:19/jmh
Oxidation-Reduction Potential	25	mV				1	A2580 B	11/13/07 09:00/sn
pH	7.03	s.u.		0.01		1	A4500-H B	11/16/07 14:18/jmh
Sodium Adsorption Ratio (SAR)	1.2			0.10		1	Calculation	12/10/07 16:45/lkl
Solids, Total Dissolved TDS @ 180 C	1900	mg/L		5		1	A2540 C	11/15/07 16:08/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	11/15/07 20:08/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	11/15/07 20:08/eli-c
Barium	ND	mg/L		0.1		1	E200.8	11/15/07 20:08/eli-c
Boron	ND	mg/L		0.1		1	E200.7	11/27/07 17:13/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	11/15/07 20:08/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	11/15/07 20:08/eli-c
Copper	ND	mg/L		0.01		1	E200.8	11/15/07 20:08/eli-c
Iron	4.39	mg/L		0.03		1	E200.7	11/27/07 17:13/eli-c
Lead	ND	mg/L		0.001		1	E200.8	11/15/07 20:08/eli-c
Manganese	1.15	mg/L		0.01		1	E200.8	11/15/07 20:08/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	11/15/07 20:08/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	11/15/07 20:08/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	11/15/07 20:08/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	11/28/07 13:43/eli-c
Silver	ND	mg/L		0.005		1	E200.8	11/15/07 20:08/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110146-008
Client Sample ID: DewBurdGW619

Report Date: 12/19/07
Collection Date: 11/12/07 14:25
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	11/15/07 20:08/eli-c
Uranium	0.0015	mg/L		0.0003		1	E200.8	11/15/07 20:08/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	11/15/07 20:08/eli-c
Zinc	0.07	mg/L		0.01		1	E200.8	11/15/07 20:08/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	11/21/07 04:02/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.001		1	E200.8	11/19/07 19:21/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium-IV	ND	mg/L		0.0010		1	A3114 B	11/28/07 09:15/eli-c
Selenium-VI	ND	mg/L		0.0010		1	A3114 B	11/28/07 15:15/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	341	pCi/L		1.0		1	E900.0	12/03/07 03:32/eli-c
Gross Alpha precision (±)	4.8	pCi/L				1	E900.0	12/03/07 03:32/eli-c
Gross Beta	170	pCi/L		2.0		1	E900.0	12/03/07 03:32/eli-c
Gross Beta precision (±)	5.7	pCi/L				1	E900.0	12/03/07 03:32/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	11/19/07 10:35/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/20/07 13:30/eli-c
Radium 226	100	pCi/L		0.2		1	E903.0	11/25/07 21:46/eli-c
Radium 226 precision (±)	3.6	pCi/L				1	E903.0	11/25/07 21:46/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	11/21/07 14:10/eli-c
Gross Gamma	4200	pCi/L		20		1	E901.1	11/16/07 10:50/eli-c
Gross Gamma precision (±)	360	pCi/L				1	E901.1	11/16/07 10:50/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/03/07 04:30/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/26/07 12:30/eli-c
Radium 226	3.5	pCi/L		0.2		1	E903.0	12/02/07 16:57/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	12/02/07 16:57/eli-c
Thorium 230	0.2	pCi/L		0.2		1	E907.0	11/26/07 14:10/eli-c
Thorium 230 precision (±)	0.09	pCi/L				1	E907.0	11/26/07 14:10/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	2990	pCi/L		100		1	D5072-92	11/15/07 18:10/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110146-008
Client Sample ID: DewBurdGW619

Report Date: 12/19/07
Collection Date: 11/12/07 14:25
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - TOTAL								
Radon 222 precision (±)	91.9	pCi/L				1	D5072-92	11/15/07 18:10/eli-c
DATA QUALITY								
A/C Balance (± 5)	-2.56	%				1	A1030 E	12/10/07 16:40/eli-c
Anions	26.8	meq/L				1	A1030 E	12/10/07 16:40/eli-c
Cations	25.5	meq/L				1	A1030 E	12/10/07 16:40/eli-c
Solids, Total Dissolved Calculated	1720	mg/L				1	A1030 E	12/10/07 16:40/eli-c
TDS Balance (0.80 - 1.20)	1.09	dec. %				1	A1030 E	12/10/07 16:40/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110146-009
Client Sample ID: DewBurdGW650

Report Date: 12/19/07
Collection Date: 11/12/07 15:30
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	108	mg/L		5		1	A2320 B	11/26/07 16:12/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	11/26/07 16:12/sn
Bicarbonate as HCO3	132	mg/L		5		1	A2320 B	11/26/07 16:12/sn
Calcium	221	mg/L		0.5		1	E200.7	11/27/07 17:16/eli-c
Magnesium	100	mg/L		0.5		1	E200.7	11/27/07 17:16/eli-c
Potassium	18.1	mg/L		0.5		1	E200.7	11/27/07 17:16/eli-c
Silica	1.1	mg/L		0.5		1	E200.7	11/27/07 17:16/eli-c
Sodium	139	mg/L	D	0.8		1	E200.7	11/27/07 17:16/eli-c
Chloride	16	mg/L		1		1	E300.0	11/15/07 01:19/jmh
Fluoride	ND	mg/L		0.1		1	E300.0	11/15/07 01:19/jmh
Nitrogen, Ammonia as N	0.6	mg/L		0.1		1	A4500-NH3 G	11/13/07 17:46/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	11/15/07 01:19/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	11/15/07 01:19/jmh
Sulfate	1000	mg/L	D	40		50	E300.0	11/15/07 01:03/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1770	umhos/cm		5		1	A2510 B	11/16/07 18:20/jmh
Oxidation-Reduction Potential	190	mV				1	A2580 B	11/13/07 09:00/sn
pH	7.22	s.u.		0.01		1	A4500-H B	11/16/07 14:20/jmh
Sodium Adsorption Ratio (SAR)	1.9			0.10		1	Calculation	12/10/07 16:45/lkl
Solids, Total Dissolved TDS @ 180 C	1600	mg/L		5		1	A2540 C	11/15/07 16:09/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	11/15/07 20:35/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	11/15/07 20:35/eli-c
Barium	ND	mg/L		0.1		1	E200.8	11/15/07 20:35/eli-c
Boron	ND	mg/L		0.1		1	E200.7	11/27/07 17:16/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	11/15/07 20:35/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	11/15/07 20:35/eli-c
Copper	ND	mg/L		0.01		1	E200.8	11/15/07 20:35/eli-c
Iron	0.68	mg/L		0.03		1	E200.7	11/27/07 17:16/eli-c
Lead	ND	mg/L		0.001		1	E200.8	11/15/07 20:35/eli-c
Manganese	1.39	mg/L		0.01		1	E200.8	11/15/07 20:35/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	11/15/07 20:35/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	11/15/07 20:35/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	11/15/07 20:35/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	11/28/07 13:45/eli-c
Silver	ND	mg/L		0.005		1	E200.8	11/15/07 20:35/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110146-009
Client Sample ID: DewBurdGW650

Report Date: 12/19/07
Collection Date: 11/12/07 15:30
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	11/15/07 20:35/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	11/15/07 20:35/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	11/15/07 20:35/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	11/15/07 20:35/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	11/21/07 04:08/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.001		1	E200.8	11/19/07 19:28/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium-IV	ND	mg/L		0.0010		1	A3114 B	11/28/07 09:17/eli-c
Selenium-VI	ND	mg/L		0.0010		1	A3114 B	11/28/07 15:15/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	5.6	pCi/L		1.0		1	E900.0	12/04/07 04:32/eli-c
Gross Alpha precision (±)	1.5	pCi/L				1	E900.0	12/04/07 04:32/eli-c
Gross Beta	20.1	pCi/L		2.0		1	E900.0	12/04/07 04:32/eli-c
Gross Beta precision (±)	3.7	pCi/L				1	E900.0	12/04/07 04:32/eli-c
Lead 210	1.4	pCi/L		1.0		1	E909.0M	11/19/07 10:35/eli-c
Lead 210 precision (±)	0.60	pCi/L				1	E909.0M	11/19/07 10:35/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/20/07 13:30/eli-c
Radium 226	2.4	pCi/L		0.2		1	E903.0	11/25/07 22:46/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	11/25/07 22:46/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	11/21/07 14:10/eli-c
Gross Gamma	2200	pCi/L		20		1	E901.1	11/16/07 10:50/eli-c
Gross Gamma precision (±)	290	pCi/L				1	E901.1	11/16/07 10:50/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/03/07 04:30/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/26/07 12:30/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/02/07 17:58/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	11/26/07 14:10/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	134	pCi/L		100		1	D5072-92	11/15/07 18:10/eli-c
Radon 222 precision (±)	60.8	pCi/L				1	D5072-92	11/15/07 18:10/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110146-009
Client Sample ID: DewBurdGW650

Report Date: 12/19/07
Collection Date: 11/12/07 15:30
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
A/C Balance (± 5)	4.96	%				1	A1030 E	12/10/07 16:41/eli-c
Anions	23.5	meq/L				1	A1030 E	12/10/07 16:41/eli-c
Cations	26.0	meq/L				1	A1030 E	12/10/07 16:41/eli-c
Solids, Total Dissolved Calculated	1560	mg/L				1	A1030 E	12/10/07 16:41/eli-c
TDS Balance (0.80 - 1.20)	1.01	dec. %				1	A1030 E	12/10/07 16:41/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110146-010
Client Sample ID: DewBurdGW16

Report Date: 12/19/07
Collection Date: 11/12/07 16:05
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	148	mg/L		5		1	A2320 B	11/26/07 16:15/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	11/26/07 16:15/sn
Bicarbonate as HCO3	180	mg/L		5		1	A2320 B	11/26/07 16:15/sn
Calcium	103	mg/L		0.5		1	E200.7	11/27/07 17:20/eli-c
Magnesium	39.4	mg/L		0.5		1	E200.7	11/27/07 17:20/eli-c
Potassium	16.0	mg/L		0.5		1	E200.7	11/27/07 17:20/eli-c
Silica	6.5	mg/L		0.5		1	E200.7	11/27/07 17:20/eli-c
Sodium	44.1	mg/L	D	0.8		1	E200.7	11/27/07 17:20/eli-c
Chloride	5	mg/L		1		1	E300.0	11/15/07 01:51/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	11/15/07 01:51/jmh
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	11/13/07 17:47/jmh
Nitrogen, Nitrate as N	0.2	mg/L		0.1		1	E300.0	11/15/07 01:51/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	11/15/07 01:51/jmh
Sulfate	428	mg/L	D	40		50	E300.0	11/15/07 01:35/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	925	umhos/cm		5		1	A2510 B	11/16/07 18:21/jmh
Oxidation-Reduction Potential	240	mV				1	A2580 B	11/13/07 09:00/sn
pH	7.48	s.u.		0.01		1	A4500-H B	11/16/07 14:22/jmh
Sodium Adsorption Ratio (SAR)	0.94			0.10		1	Calculation	12/10/07 16:45/lkl
Solids, Total Dissolved TDS @ 180 C	760	mg/L		5		1	A2540 C	11/15/07 16:09/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	11/15/07 20:42/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	11/15/07 20:42/eli-c
Barium	ND	mg/L		0.1		1	E200.8	11/15/07 20:42/eli-c
Boron	ND	mg/L		0.1		1	E200.7	11/27/07 17:20/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	11/15/07 20:42/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	11/15/07 20:42/eli-c
Copper	ND	mg/L		0.01		1	E200.8	11/15/07 20:42/eli-c
Iron	ND	mg/L		0.03		1	E200.7	11/27/07 17:20/eli-c
Lead	ND	mg/L		0.001		1	E200.8	11/15/07 20:42/eli-c
Manganese	ND	mg/L		0.01		1	E200.8	11/15/07 20:42/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	11/15/07 20:42/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	11/15/07 20:42/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	11/15/07 20:42/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	11/28/07 13:47/eli-c
Silver	ND	mg/L		0.005		1	E200.8	11/15/07 20:42/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110146-010
Client Sample ID: DewBurdGW16

Report Date: 12/19/07
Collection Date: 11/12/07 16:05
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	11/15/07 20:42/eli-c
Uranium	0.0007	mg/L		0.0003		1	E200.8	11/15/07 20:42/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	11/15/07 20:42/eli-c
Zinc	0.06	mg/L		0.01		1	E200.8	11/15/07 20:42/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	11/21/07 04:15/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.001		1	E200.8	11/19/07 19:35/eli-c
METALS - DISSOLVED - SPECIATED								
Selenium-IV	ND	mg/L		0.0010		1	A3114 B	11/28/07 09:19/eli-c
Selenium-VI	ND	mg/L		0.0010		1	A3114 B	11/28/07 15:15/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	12.2	pCi/L		1.0		1	E900.0	12/04/07 04:32/eli-c
Gross Alpha precision (±)	1.0	pCi/L				1	E900.0	12/04/07 04:32/eli-c
Gross Beta	24.0	pCi/L		2.0		1	E900.0	12/04/07 04:32/eli-c
Gross Beta precision (±)	2.1	pCi/L				1	E900.0	12/04/07 04:32/eli-c
Lead 210	2.2	pCi/L		1.0		1	E909.0M	11/19/07 10:35/eli-c
Lead 210 precision (±)	0.70	pCi/L				1	E909.0M	11/19/07 10:35/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/20/07 13:30/eli-c
Radium 226	8.1	pCi/L		0.2		1	E903.0	11/25/07 23:47/eli-c
Radium 226 precision (±)	0.9	pCi/L				1	E903.0	11/25/07 23:47/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	11/21/07 14:10/eli-c
Gross Gamma	2300	pCi/L		20		1	E901.1	11/16/07 10:50/eli-c
Gross Gamma precision (±)	260	pCi/L				1	E901.1	11/16/07 10:50/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	1.2	pCi/L		1.0		1	E909.0M	12/03/07 04:30/eli-c
Lead 210 precision (±)	0.22	pCi/L				1	E909.0M	12/03/07 04:30/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/26/07 12:30/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/02/07 18:58/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	11/26/07 14:10/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	1090	pCi/L		100		1	D5072-92	11/15/07 18:10/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110146-010
Client Sample ID: DewBurdGW16

Report Date: 12/19/07
Collection Date: 11/12/07 16:05
Date Received: 11/13/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - TOTAL								
Radon 222 precision (±)	72.1	pCi/L				1	D5072-92	11/15/07 18:10/eli-c
DATA QUALITY								
A/C Balance (± 5)	-1.55	%				1	A1030 E	12/10/07 16:43/eli-c
Anions	11.0	meq/L				1	A1030 E	12/10/07 16:43/eli-c
Cations	10.7	meq/L				1	A1030 E	12/10/07 16:43/eli-c
Solids, Total Dissolved Calculated	686	mg/L				1	A1030 E	12/10/07 16:43/eli-c
TDS Balance (0.80 - 1.20)	1.11	dec. %				1	A1030 E	12/10/07 16:43/eli-c

- Ion balance achieved using Sulfate data from E200.7.

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

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07110146

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 071126A-ALK-SEL-W	
Sample ID: MBLK2_071126A	Method Blank				Run: PH_COND1-R_071126A			11/26/07 15:38	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Bicarbonate as HCO3	ND	mg/L	3						
Carbonate as CO3	ND	mg/L	3						
Sample ID: LCS2_071126A	Laboratory Control Sample				Run: PH_COND1-R_071126A			11/26/07 15:41	
Alkalinity, Total as CaCO3	910	mg/L	5.0	91	90	110			
Sample ID: R07110147-004AMS	Sample Matrix Spike				Run: PH_COND1-R_071126A			11/26/07 16:25	
Alkalinity, Total as CaCO3	102	mg/L	5.0	96	80	120			
Sample ID: R07110147-004AMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_071126A			11/26/07 16:29	
Alkalinity, Total as CaCO3	94.0	mg/L	5.0	89	80	120	8.2	10	
Method: A2510 B								Batch: 071116_1_COND-PROBE-W	
Sample ID: LCS1-1_071116	Laboratory Control Sample				Run: PH_COND2-R_071116A			11/16/07 18:09	
Conductivity @ 25 C	151	umhos/cm	5.0	101	90	110			
Sample ID: LCS2-1_071116	Laboratory Control Sample				Run: PH_COND2-R_071116A			11/16/07 18:10	
Conductivity @ 25 C	4890	umhos/cm	5.0	98	90	110			
Sample ID: LCS_COND-1_071116	Laboratory Control Sample				Run: PH_COND2-R_071116A			11/16/07 18:10	
Conductivity @ 25 C	1410	umhos/cm	5.0	100	90	110			
Sample ID: MBLK-1_071116	Method Blank				Run: PH_COND2-R_071116A			11/16/07 18:11	
Conductivity @ 25 C	ND	umhos/cm	5						
Sample ID: R07110146-001ADUP	Sample Duplicate				Run: PH_COND2-R_071116A			11/16/07 18:13	
Conductivity @ 25 C	2220	umhos/cm	5.0				0.5	10	
Method: A2540 C								Batch: 071115A-SLDS-TDS-W	
Sample ID: LCS1_071115A	Laboratory Control Sample				Run: BAL-4-R_071115A			11/15/07 15:53	
Solids, Total Dissolved TDS @ 180 C	200	mg/L	5.0	99	90	110			
Sample ID: MBLK1_071115A	Method Blank				Run: BAL-4-R_071115A			11/16/07 13:54	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: R07110146-003AMS	Sample Matrix Spike				Run: BAL-4-R_071115A			11/15/07 16:04	
Solids, Total Dissolved TDS @ 180 C	1300	mg/L	5.0	99	80	120			
Sample ID: R07110146-003AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_071115A			11/15/07 16:05	
Solids, Total Dissolved TDS @ 180 C	1300	mg/L	5.0	100	80	120	0.2	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07110146

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B									Batch: C_SE3114-071128
Sample ID: MBLK	Method Blank				Run: SUB-C93452				11/28/07 13:26
Selenium	ND	mg/L	0.0004						
Sample ID: C07110603-001EMS	Sample Matrix Spike				Run: SUB-C93452				11/28/07 13:50
Selenium	0.050	mg/L	0.0010	100	85	115			
Sample ID: C07110603-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C93452				11/28/07 13:52
Selenium	0.050	mg/L	0.0010	101	85	115	0.6	10	
Sample ID: 301-119-5	Laboratory Control Sample				Run: SUB-C93452				11/28/07 13:54
Selenium	0.049	mg/L	0.0010	99	90	110			
Method: A3114 B									Batch: C_SEIV3114-071128
Sample ID: MBLK	Method Blank				Run: SUB-C93423				11/28/07 08:58
Selenium-IV	ND	mg/L	0.0002						
Sample ID: C07110603-001EMS	Sample Matrix Spike				Run: SUB-C93423				11/28/07 09:21
Selenium-IV	0.046	mg/L	0.0010	93	85	115			
Sample ID: C07110603-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C93423				11/28/07 09:23
Selenium-IV	0.048	mg/L	0.0010	95	85	115	2.7	10	
Sample ID: 301-119-5	Laboratory Control Sample				Run: SUB-C93423				11/28/07 09:25
Selenium-IV	0.048	mg/L	0.0010	96	90	110			
Method: A4500-H B									Batch: 071116_1_PH-W
Sample ID: LCS_pH-1_071116	Laboratory Control Sample				Run: PH_COND2-R_071116B				11/16/07 14:01
pH	6.85	s.u.	0.010	100	98.55	101.45			
Sample ID: R07110146-001ADUP	Sample Duplicate				Run: PH_COND2-R_071116B				11/16/07 14:07
pH	7.22	s.u.	0.010				0.0	1.25	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07110146

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G								Batch: A2007-11-13_2_NH3_01	
Sample ID: MBLK-2	Method Blank				Run: TECHAA2-R_071113A			11/13/07 16:08	
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_071113A			11/13/07 16:10	
Nitrogen, Ammonia as N	0.24	mg/L	0.10	98	90	110			
Sample ID: R07110146-001BMS	Sample Matrix Spike				Run: TECHAA2-R_071113A			11/13/07 17:29	
Nitrogen, Ammonia as N	0.57	mg/L	0.10	113	80	120			
Sample ID: R07110146-001BMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_071113A			11/13/07 17:31	
Nitrogen, Ammonia as N	0.57	mg/L	0.10	114	80	120	0.4	10	
Method: D5072-92								Batch: C_R93068	
Sample ID: R07110146-010G	Sample Duplicate				Run: SUB-C93068			11/15/07 18:10	
Radon 222	1150	pCi/L	100				5.6	30	
Sample ID: MB-R93068	Method Blank				Run: SUB-C93068			11/15/07 18:10	
Radon 222	ND	pCi/L	100						
Sample ID: LCS-R93068	Laboratory Control Sample				Run: SUB-C93068			11/15/07 18:10	
Radon 222	303	pCi/L	100	100	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07110146

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R93405
Sample ID: LFB-TM	Laboratory Fortified Blank				Run: SUB-C93405				11/27/07 11:57
Silica	2.0	mg/L	0.10	98	85	125			
Boron	1.9	mg/L	0.10	96	85	125			
Iron	2.0	mg/L	0.030	99	85	125			
Sample ID: LFB-MAJORS	Laboratory Fortified Blank				Run: SUB-C93405				11/27/07 12:00
Calcium	24	mg/L	0.50	97	85	125			
Magnesium	24	mg/L	0.50	94	85	125			
Potassium	26	mg/L	0.50	104	85	125			
Sodium	24	mg/L	0.76	97	85	125			
Sample ID: R07110146-001C	Sample Matrix Spike				Run: SUB-C93405				11/27/07 15:02
Boron	8.88	mg/L	0.10	89	70	130			
Calcium	619	mg/L	1.0	81	70	130			
Iron	9.14	mg/L	0.046	88	70	130			
Magnesium	482	mg/L	0.50	81	70	130			
Potassium	1100	mg/L	0.50	90	70	130			
Silica	16.2	mg/L	0.20	85	70	130			
Sodium	551	mg/L	7.6	80	70	130			
Sample ID: R07110146-001C	Sample Matrix Spike Duplicate				Run: SUB-C93405				11/27/07 15:05
Boron	9.32	mg/L	0.10	93	70	130	4.8	20	
Calcium	632	mg/L	1.0	84	70	130	2.1	20	
Iron	9.49	mg/L	0.046	91	70	130	3.8	20	
Magnesium	491	mg/L	0.50	82	70	130	1.7	20	
Potassium	1110	mg/L	0.50	91	70	130	1.6	20	
Silica	16.4	mg/L	0.20	86	70	130	1.0	20	
Sodium	577	mg/L	7.6	85	70	130	4.6	20	
Sample ID: LFB-TM	Laboratory Fortified Blank				Run: SUB-C93405				11/27/07 21:56
Silica	1.9	mg/L	0.10	96	85	125			
Boron	1.9	mg/L	0.10	93	85	125			
Iron	1.9	mg/L	0.030	95	85	125			
Sample ID: LFB-MAJORS	Laboratory Fortified Blank				Run: SUB-C93405				11/27/07 21:59
Calcium	23	mg/L	0.50	94	85	125			
Magnesium	23	mg/L	0.50	93	85	125			
Potassium	26	mg/L	0.50	105	85	125			
Sodium	23	mg/L	0.76	94	85	125			
Sample ID: C07110667-001BMS	Sample Matrix Spike				Run: SUB-C93405				11/27/07 17:43
Boron	0.966	mg/L	0.10	92	70	130			
Calcium	105	mg/L	0.50	80	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07110146

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R93405
Sample ID: C07110667-001BMS	Sample Matrix Spike				Run: SUB-C93405				11/27/07 17:43
Iron	0.934	mg/L	0.030	93	70	130			
Magnesium	56.9	mg/L	0.50	87	70	130			
Potassium	116	mg/L	0.50	93	70	130			
Silica	50.9	mg/L	0.10		0	0			A
Sodium	58.9	mg/L	0.76	89	70	130			
Silicon	23.8	mg/L	0.047	2380	70	130			S
Sample ID: C07110667-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-C93405				11/27/07 17:46
Boron	0.999	mg/L	0.10	95	70	130	3.4	20	
Calcium	108	mg/L	0.50	84	70	130	2.2	20	
Iron	0.952	mg/L	0.030	95	70	130	1.9	20	
Magnesium	57.5	mg/L	0.50	88	70	130	1.0	20	
Potassium	116	mg/L	0.50	93	70	130	0.1	20	
Silica	51.5	mg/L	0.10		0	0			A
Sodium	58.5	mg/L	0.76	89	70	130	0.7	20	
Silicon	24.1	mg/L	0.047	2410	70	130	1.2	20	S
Method: E200.8									Batch: C_16851
Sample ID: MB-16851	Method Blank				Run: SUB-C93179				11/19/07 17:53
Mercury	ND	mg/L	6E-06						
Sample ID: C07110611-007C MS4	Post Digestion Spike				Run: SUB-C93179				11/19/07 20:43
Mercury	0.0062	mg/L	0.0010	88	70	130			
Sample ID: C07110611-007C MSD4	Post Digestion Spike Duplicate				Run: SUB-C93179				11/19/07 20:49
Mercury	0.0058	mg/L	0.0010	83	70	130	6.5	20	
Method: E200.8									Batch: C_16875
Sample ID: MB-16875	Method Blank				Run: SUB-C93209				11/21/07 02:47
Uranium	5E-05	mg/L	2E-05						
Sample ID: LCS1-16875	Laboratory Control Sample				Run: SUB-C93209				11/21/07 02:54
Uranium	0.0526	mg/L	0.00030	100	80	120			
Sample ID: R07110147-004K	Post Digestion Spike				Run: SUB-C93209				11/21/07 04:48
Uranium	0.0241	mg/L	0.00030	95	70	130			
Sample ID: R07110147-004K	Post Digestion Spike Duplicate				Run: SUB-C93209				11/21/07 04:55
Uranium	0.0241	mg/L	0.00030	95	70	130	0.2	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07110146

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R92944
Sample ID: LRB	Method Blank				Run: SUB-C92944				11/15/07 12:39
Aluminum	ND	mg/L	0.0001						
Arsenic	ND	mg/L	6E-05						
Barium	ND	mg/L	3E-05						
Cadmium	ND	mg/L	1E-05						
Chromium	6E-05	mg/L	4E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Manganese	ND	mg/L	5E-05						
Mercury	ND	mg/L	8E-05						
Molybdenum	ND	mg/L	5E-05						
Nickel	ND	mg/L	0.0007						
Silver	0.001	mg/L	3E-05						
Thorium 232	ND	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Vanadium	ND	mg/L	3E-05						
Zinc	0.001	mg/L	0.0003						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C92944				11/15/07 12:46
Aluminum	0.0479	mg/L	0.0010	96	85	115			
Arsenic	0.0514	mg/L	0.0010	103	85	115			
Barium	0.0531	mg/L	0.0010	106	85	115			
Cadmium	0.0522	mg/L	0.0010	104	85	115			
Chromium	0.0509	mg/L	0.0010	102	85	115			
Copper	0.0516	mg/L	0.0010	103	85	115			
Lead	0.0531	mg/L	0.0010	106	85	115			
Manganese	0.0507	mg/L	0.0010	101	85	115			
Mercury	0.00542	mg/L	0.0010	108	85	115			
Molybdenum	0.0508	mg/L	0.0010	102	85	115			
Nickel	0.0510	mg/L	0.0010	102	85	115			
Silver	0.0209	mg/L	0.0010	98	85	115			
Thorium 232	0.0528	mg/L	0.0010	106	85	115			
Uranium	0.0530	mg/L	0.00030	106	85	115			
Vanadium	0.0511	mg/L	0.0010	102	85	115			
Zinc	0.0536	mg/L	0.0010	105	85	115			
Sample ID: C07110507-001BMS4	Post Digestion Spike				Run: SUB-C92944				11/15/07 14:08
Aluminum	0.104	mg/L	0.10	107	70	130			
Arsenic	0.0932	mg/L	0.0010	102	70	130			
Barium	0.103	mg/L	0.10	83	70	130			
Cadmium	0.0500	mg/L	0.010	100	70	130			
Chromium	0.0489	mg/L	0.050	97	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07110146

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R92944
Sample ID: C07110507-001BMS4	Post Digestion Spike				Run: SUB-C92944				11/15/07 14:08
Copper	0.0485	mg/L	0.010	96	70	130			
Lead	0.0505	mg/L	0.050	101	70	130			
Manganese	0.130	mg/L	0.010	92	70	130			
Mercury	0.00519	mg/L	0.0010	104	70	130			
Molybdenum	0.0562	mg/L	0.10	101	70	130			
Nickel	0.0479	mg/L	0.050	96	70	130			
Silver	0.0181	mg/L	0.010	91	70	130			
Thorium 232	0.0519	mg/L	0.0010	104	70	130			
Uranium	0.0529	mg/L	0.00030	104	70	130			
Vanadium	0.0476	mg/L	0.10	94	70	130			
Zinc	0.0512	mg/L	0.010	98	70	130			
Sample ID: C07110507-001BMSD4	Post Digestion Spike Duplicate				Run: SUB-C92944				11/15/07 14:14
Aluminum	0.112	mg/L	0.10	125	70	130	8.0	20	
Arsenic	0.0938	mg/L	0.0010	103	70	130	0.6	20	
Barium	0.106	mg/L	0.10	88	70	130	2.2	20	
Cadmium	0.0503	mg/L	0.010	101	70	130	0.6	20	
Chromium	0.0493	mg/L	0.050	98	70	130	0.0	20	
Copper	0.0488	mg/L	0.010	97	70	130	0.7	20	
Lead	0.0511	mg/L	0.050	102	70	130	1.1	20	
Manganese	0.133	mg/L	0.010	99	70	130	2.4	20	
Mercury	0.00526	mg/L	0.0010	105	70	130	1.4	20	
Molybdenum	0.0573	mg/L	0.10	103	70	130	0.0	20	
Nickel	0.0490	mg/L	0.050	98	70	130	0.0	20	
Silver	0.0172	mg/L	0.010	86	70	130	5.2	20	
Thorium 232	0.0524	mg/L	0.0010	105	70	130	1.0	20	
Uranium	0.0538	mg/L	0.00030	106	70	130	1.7	20	
Vanadium	0.0478	mg/L	0.10	94	70	130	0.0	20	
Zinc	0.0518	mg/L	0.010	100	70	130	1.2	20	
Sample ID: C07110518-001AMS	Sample Matrix Spike				Run: SUB-C92944				11/15/07 13:06
Uranium	0.38	mg/L	0.00030		70	130			A
Sample ID: C07110518-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C92944				11/15/07 13:13
Uranium	0.38	mg/L	0.00030		70	130	0.3	20	A
Sample ID: R07110146-008C	Post Digestion Spike				Run: SUB-C92944				11/15/07 20:15
Aluminum	0.0450	mg/L	0.10	90	70	130			
Arsenic	0.0527	mg/L	0.0010	104	70	130			
Barium	0.0623	mg/L	0.10	106	70	130			
Cadmium	0.0491	mg/L	0.010	98	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07110146

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R92944
Sample ID: R07110146-008C	Post Digestion Spike				Run: SUB-C92944				11/15/07 20:15
Chromium	0.0486	mg/L	0.050	97	70	130			
Copper	0.0563	mg/L	0.010	95	70	130			
Lead	0.0534	mg/L	0.050	105	70	130			
Manganese	1.19	mg/L	0.010		70	130			A
Mercury	0.00487	mg/L	0.0010	97	70	130			
Molybdenum	0.0518	mg/L	0.10	103	70	130			
Nickel	0.0521	mg/L	0.050	96	70	130			
Silver	0.0155	mg/L	0.010	78	70	130			
Thorium 232	0.0563	mg/L	0.0010	112	70	130			
Uranium	0.0570	mg/L	0.00030	111	70	130			
Vanadium	0.0501	mg/L	0.10	100	70	130			
Zinc	0.110	mg/L	0.010	87	70	130			
Sample ID: R07110146-008C	Post Digestion Spike Duplicate				Run: SUB-C92944				11/15/07 20:21
Aluminum	0.0418	mg/L	0.10	84	70	130	0.0	20	
Arsenic	0.0514	mg/L	0.0010	102	70	130	2.5	20	
Barium	0.0614	mg/L	0.10	104	70	130	0.0	20	
Cadmium	0.0481	mg/L	0.010	96	70	130	1.9	20	
Chromium	0.0464	mg/L	0.050	92	70	130	0.0	20	
Copper	0.0542	mg/L	0.010	90	70	130	3.8	20	
Lead	0.0526	mg/L	0.050	104	70	130	1.6	20	
Manganese	1.16	mg/L	0.010		70	130	2.9	20	A
Mercury	0.00490	mg/L	0.0010	98	70	130	0.6	20	
Molybdenum	0.0497	mg/L	0.10	99	70	130	0.0	20	
Nickel	0.0495	mg/L	0.050	91	70	130	0.0	20	
Silver	0.0164	mg/L	0.010	82	70	130	5.1	20	
Thorium 232	0.0552	mg/L	0.0010	110	70	130	2.0	20	
Uranium	0.0560	mg/L	0.00030	109	70	130	1.9	20	
Vanadium	0.0480	mg/L	0.10	96	70	130	0.0	20	
Zinc	0.109	mg/L	0.010	83	70	130	1.6	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07110146

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R32251
Sample ID: LFB0711142429-3	Laboratory Fortified Blank				Run: DIONEX_071114A				11/14/07 18:41
Chloride	4.81	mg/L	0.50	96	90	110			
Fluoride	1.96	mg/L	0.10	98	90	110			
Nitrogen, Nitrate as N	2.43	mg/L	0.10	97	90	110			
Nitrogen, Nitrite as N	2.39	mg/L	0.10	96	90	110			
Sulfate	14.1	mg/L	1.0	94	90	110			
Sample ID: LFB0711142429-4	Laboratory Fortified Blank				Run: DIONEX_071114A				11/14/07 18:57
Chloride	4.95	mg/L	0.50	99	90	110			
Fluoride	2.02	mg/L	0.10	101	90	110			
Nitrogen, Nitrate as N	2.50	mg/L	0.10	100	90	110			
Nitrogen, Nitrite as N	2.47	mg/L	0.10	99	90	110			
Sulfate	14.5	mg/L	1.0	97	90	110			
Sample ID: R07110146-001AMS	Sample Matrix Spike				Run: DIONEX_071114A				11/14/07 19:29
Chloride	258	mg/L	2.0	94	80	120			
Fluoride	102	mg/L	3.2	102	80	120			
Nitrogen, Nitrate as N	126	mg/L	0.84	101	80	120			
Nitrogen, Nitrite as N	125	mg/L	1.1	100	80	120			
Sulfate	1670	mg/L	36	85	80	120			
Sample ID: R07110146-001AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_071114A				11/14/07 19:44
Chloride	251	mg/L	2.0	91	80	120	2.9	10	
Fluoride	98.9	mg/L	3.2	99	80	120	3.1	10	
Nitrogen, Nitrate as N	122	mg/L	0.84	98	80	120	3.3	10	
Nitrogen, Nitrite as N	121	mg/L	1.1	97	80	120	3.1	10	
Sulfate	1650	mg/L	36	81	80	120	1.7	10	
Sample ID: R07110146-006AMS	Sample Matrix Spike				Run: DIONEX_071114A				11/14/07 23:11
Chloride	261	mg/L	2.0	95	80	120			
Fluoride	102	mg/L	3.2	102	80	120			
Nitrogen, Nitrate as N	127	mg/L	0.84	101	80	120			
Nitrogen, Nitrite as N	125	mg/L	1.1	100	80	120			
Sulfate	1140	mg/L	36	83	80	120			
Sample ID: R07110146-006AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_071114A				11/14/07 23:27
Chloride	257	mg/L	2.0	93	80	120	1.5	10	
Fluoride	101	mg/L	3.2	101	80	120	1.8	10	
Nitrogen, Nitrate as N	124	mg/L	0.84	99	80	120	2.3	10	
Nitrogen, Nitrite as N	122	mg/L	1.1	98	80	120	2.5	10	
Sulfate	1130	mg/L	36	82	80	120	0.6	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07110146

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0									Batch: C_GrAB-0360
Sample ID: MB-GrAB-0360	Method Blank				Run: SUB-C93851				11/30/07 22:31
Gross Alpha	ND	pCi/L	1						
Gross Beta	ND	pCi/L	2						
Sample ID: UNAT-GrAB-0360	Laboratory Control Sample				Run: SUB-C93851				11/30/07 22:32
Gross Alpha	200	pCi/L	1.0	98	70	130			
Sample ID: Cs137-GrAB-0360	Laboratory Control Sample				Run: SUB-C93851				11/30/07 22:32
Gross Beta	90	pCi/L	2.0	97	70	130			
Sample ID: C07110713-001EMS	Sample Matrix Spike				Run: SUB-C93851				11/30/07 22:32
Gross Alpha	400	pCi/L	1.0	82	70	130			
Sample ID: C07110713-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C93851				11/30/07 22:31
Gross Alpha	400	pCi/L	1.0	81	70	130	1.2	12.4	
Sample ID: C07110713-001EMS	Sample Matrix Spike				Run: SUB-C93851				11/30/07 22:31
Gross Beta	200	pCi/L	2.0	93	70	130			
Sample ID: C07110713-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C93851				11/30/07 22:31
Gross Beta	200	pCi/L	2.0	87	70	130	6.7	15.6	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07110146

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E901.1									Batch: C_R93000
Sample ID: LCS-R93000	Laboratory Control Sample				Run: SUB-C93000				11/16/07 10:50
Cesium 137	1100	pCi/L	20	82	70	130			
Potassium 40	7000	pCi/L	20	105	70	130			
Sample ID: MB-R93000	Method Blank				Run: SUB-C93000				11/16/07 10:50
Americium 241	ND	pCi/L	20						
Barium 133	ND	pCi/L	20						
Bismuth 212	ND	pCi/L	20						
Bismuth 214	ND	pCi/L	20						
Cesium 134	ND	pCi/L	20						
Cesium 137	ND	pCi/L	20						
Cobalt 60	ND	pCi/L	20						
Iodine 125	ND	pCi/L	20						
Iodine 131	ND	pCi/L	20						
Lead 212	ND	pCi/L	20						
Lead 214	ND	pCi/L	20						
Manganese 54	ND	pCi/L	20						
Potassium 40	ND	pCi/L	20						
Radium 223	ND	pCi/L	20						
Radium 224	ND	pCi/L	20						
Thallium 208	ND	pCi/L	20						
Thorium 228	ND	pCi/L	20						
Thorium 234	ND	pCi/L	20						
Zinc 65	ND	pCi/L	20						
Radium 228	ND	pCi/L	20						
Gross Gamma	ND	pCi/L	20						
Sample ID: R07110146-010H	Sample Duplicate				Run: SUB-C93000				11/16/07 10:50
Gross Gamma	2000	pCi/L	20				13	30	
Method: E903.0									Batch: C_16875
Sample ID: C07110557-001FMS	Sample Matrix Spike				Run: SUB-C93643				12/02/07 05:53
Radium 226	60	pCi/L	0.20	97	70	130			
Sample ID: C07110557-001FMSD	Sample Matrix Spike Duplicate				Run: SUB-C93643				12/02/07 06:53
Radium 226	54	pCi/L	0.20	86	70	130	10	30.1	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07110146

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: C_RA226-2443
Sample ID: R07110146-001H	Sample Matrix Spike				Run: SUB-C93312				11/25/07 14:08
Radium 226	28	pCi/L	0.20	95	70	130			
Sample ID: R07110146-001H	Sample Matrix Spike Duplicate				Run: SUB-C93312				11/25/07 15:08
Radium 226	26	pCi/L	0.20	83	70	130	9.2	26	
Sample ID: MB-RA226-2443	Method Blank				Run: SUB-C93312				11/26/07 04:49
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-2443	Laboratory Control Sample				Run: SUB-C93312				11/26/07 06:50
Radium 226	12	pCi/L	0.20	92	70	130			
Method: E907.0									Batch: C_16875
Sample ID: R07110146-008I	Sample Duplicate				Run: SUB-C93872				11/26/07 14:10
Thorium 230	0.233	pCi/L	0.20		70	130	2.6	30	
Sample ID: R07110146-009I	Sample Matrix Spike				Run: SUB-C93872				11/26/07 14:10
Thorium 230	3.25	pCi/L	0.20	87	70	130			
Sample ID: LCS-16875	Laboratory Control Sample				Run: SUB-C93872				11/26/07 14:10
Thorium 230	54.8	pCi/L	0.21	94	70	130			
Sample ID: MB-16875	Method Blank				Run: SUB-C93872				11/26/07 14:10
Thorium 230	ND	pCi/L	0.2						
Method: E907.0									Batch: C_R93870
Sample ID: LCS-R93870	Laboratory Control Sample				Run: SUB-C93870				11/21/07 14:10
Thorium 230	6	pCi/L	0.20	98	70	130			
Sample ID: R07110146-009H	Sample Matrix Spike				Run: SUB-C93870				11/21/07 14:10
Thorium 230	17	pCi/L	0.20	88	70	130			
Sample ID: R07110146-009H	Sample Matrix Spike Duplicate				Run: SUB-C93870				11/21/07 14:10
Thorium 230	20	pCi/L	0.20	104	70	130	16	30	
Sample ID: MB-R93870	Method Blank				Run: SUB-C93870				11/21/07 14:10
Thorium 230	ND	pCi/L	0.2						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07110146

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0M									Batch: C_16875
Sample ID: R07110146-001I	Sample Matrix Spike				Run: SUB-C93672				12/03/07 04:30
Lead 210	330	pCi/L	1.0	83	70	130			
Sample ID: R07110146-001I	Sample Matrix Spike Duplicate				Run: SUB-C93672				12/03/07 04:30
Lead 210	360	pCi/L	1.0	89	70	130	6.7	30	
Sample ID: MB-R93672	Method Blank				Run: SUB-C93672				12/03/07 04:30
Lead 210	ND	pCi/L	1						
Sample ID: LCS-R93672	Laboratory Control Sample				Run: SUB-C93672				12/03/07 04:30
Lead 210	85	pCi/L	1.0	106	70	130			
Method: E909.0M									Batch: C_R93315
Sample ID: R07110146-001H	Sample Matrix Spike				Run: SUB-C93315				11/19/07 10:35
Lead 210	430	pCi/L	1.0	106	70	130			
Sample ID: R07110146-001H	Sample Matrix Spike Duplicate				Run: SUB-C93315				11/19/07 10:35
Lead 210	440	pCi/L	1.0	110	70	130	3.9	30	
Sample ID: MB-R93315	Method Blank				Run: SUB-C93315				11/19/07 10:35
Lead 210	ND	pCi/L	1						
Sample ID: LCS-R93315	Laboratory Control Sample				Run: SUB-C93315				11/19/07 10:35
Lead 210	87	pCi/L	1.0	108	70	130			
Method: RMO-3008									Batch: C_16875
Sample ID: R07110146-006I	Sample Matrix Spike				Run: SUB-C93514				11/26/07 12:30
Polonium 210	24	pCi/L	1.0	85	70	130			
Sample ID: R07110146-006I	Sample Matrix Spike Duplicate				Run: SUB-C93514				11/26/07 12:30
Polonium 210	21	pCi/L	1.0	73	70	130	15	30	
Sample ID: LCS-R93514	Laboratory Control Sample				Run: SUB-C93514				11/26/07 12:30
Polonium 210	19	pCi/L	1.0	86	70	130			
Sample ID: MB-R93514	Method Blank				Run: SUB-C93514				11/26/07 12:30
Polonium 210	ND	pCi/L	1						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 12/19/07
Work Order: R07110146

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RMO-3008									Batch: C_R93495
Sample ID: LCS-R93495	Laboratory Control Sample				Run: SUB-C93495				11/20/07 13:30
Polonium 210	22	pCi/L	1.0	96	70	130			
Sample ID: MB-R93495	Method Blank				Run: SUB-C93495				11/20/07 13:30
Polonium 210	ND	pCi/L	1						

Qualifiers:

RL - 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.

Company Name: RESPEC	Project Name, PWS, Permit, Etc.: Power Tech Dewey Burdock	Sample Origin State:	EPA/State Compliance: Yes ☐ No ☐
Report Mail Address: 3824 Jet Dr. Rapid City, SD 57703	Contact Name: Phone/Fax: Cory.Foreman@respec.com 605.394.6406	Email:	Sampler: (Please Print) Eric Krantz
Invoice Address:	Invoice Contact & Phone:	Purchase Order:	Quote/Bottle Order:

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

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

ANALYSIS REQUESTED

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

As per Quote

SEE ATTACHED

Normal Turnaround (TAT)

R U S H

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

Comments: GW

Shipped by:

Cooler ID(s):

Receipt Temp 4.6 °C ICP

On Ice: Yes No

Custody Seal Y N
Intact Y N
Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX																
1	Dew Burd GW 7002	11/12/07	0810	W														Set 19	R07110146-001	
2	Dew Burd GW7	11/12/07	0820	W														Set 18		002
3	Dew Burd GW2	11/12/07	0925	W														Set 17		003
4	Dew Burd GW 18	11/12/07	1015	W														Set 16		004
5	Dew Burd GW 18	11/12/07	1020	W														Set 15		005
6	Dew Burd GW 42	11/12/07	1120	W														Set 14		006
7	Dew Burd GW 13	11/12/07	1215	W														Set 13		007
8	Dew Burd GW 619	11/12/07	1425	W														Set 3		008
9	Dew Burd GW 650	11/12/07	1530	W														Set 2		009
10	Dew Burd GW 16	11/14/07	1605	W														Set 9		010

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by (print): _____ Date/Time: _____ Signature: _____

Relinquished by (print): [signature] Date/Time: 11/12/07 0807 Signature: _____

Received by (print): _____ Date/Time: _____ Signature: _____

Received by (print): _____ Date/Time: _____ Signature: _____

Received by Laboratory: Linda Larson Date/Time: 11/13/07 807 Signature: [signature]

Sample Disposal: _____ Return to Client: _____ Lab Disposal: _____

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.

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ANALYTICAL SUMMARY REPORT

January 28, 2008

Cory Foreman
RESPEC Inc
3824 Jet Dr
Rapid City, SD 57701-

Workorder No.: R07110184 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 4 samples from RESPEC Inc on 11/15/2007 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R07110184-001	DewBurdGW628	11/14/07 10:59	11/15/07	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved
R07110184-002	DewBurdGW4002	11/14/07 11:45	11/15/07	Aqueous	Same As Above
R07110184-003	DewBurdGW679	11/14/07 13:45	11/15/07	Aqueous	Same As Above
R07110184-004	DewBurdGW631	11/14/07 15:20	11/15/07	Aqueous	Same As Above

Thank you for submitting your samples to Energy Laboratories, Inc. - Rapid City. The following pages contain the results of the sample tests listed above and applicable analytical notes.

The samples were analyzed in accordance with the methods specified on the analytical reports. All analyses were accompanied by appropriate quality control samples throughout the test. Where applicable, the results of these quality control samples will be included, following your analytical data.

If you have any questions regarding the analyses performed or the results of these analyses, please contact Energy Laboratories Inc. - Rapid City at (605) 342-1225, (888) 672-1225 or Rapid_City@energylab.com.

Linda Laver
Project Manager

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110184-001
Client Sample ID: DewBurdGW628

Report Date: 01/28/08
Collection Date: 11/14/07 10:59
Date Received: 11/15/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	160	mg/L		5		1	A2320 B	11/27/07 17:28/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	11/27/07 17:28/sn
Bicarbonate as HCO3	195	mg/L		5		1	A2320 B	11/27/07 17:28/sn
Calcium	43.2	mg/L		0.5		1	E200.7	11/29/07 20:56/eli-c
Chloride	35	mg/L		1		5	E300.0	11/21/07 02:32/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	11/16/07 21:03/jmh
Magnesium	16.9	mg/L		0.5		1	E200.7	11/29/07 20:56/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	11/29/07 16:02/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	11/16/07 21:03/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	11/16/07 21:03/jmh
Potassium	8.5	mg/L		0.5		1	E200.7	11/29/07 20:56/eli-c
Silica	7.2	mg/L		0.5		1	E200.7	11/29/07 20:56/eli-c
Sodium	233	mg/L	D	0.8		1	E200.7	11/30/07 17:10/eli-c
Sulfate	635	mg/L	D	40		50	E300.0	11/16/07 20:15/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1800	umhos/cm		5.0		1	A2510 B	11/16/07 18:38/jmh
Oxidation-Reduction Potential	96	mV				1	A2580 B	11/15/07 00:00/jmh
pH	7.77	s.u.		0.01		1	A4500-H B	11/16/07 14:33/jmh
Sodium Adsorption Ratio (SAR)	7.6	meq/L		0.10		1	Calculation	12/20/07 17:41/sec
Solids, Total Dissolved TDS @ 180 C	1300	mg/L		5		1	A2540 C	12/24/07 08:25/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	11/22/07 07:21/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	11/22/07 07:21/eli-c
Barium	ND	mg/L		0.1		1	E200.8	11/22/07 07:21/eli-c
Boron	ND	mg/L		0.1		1	E200.7	11/29/07 20:56/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	11/22/07 07:21/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	11/22/07 07:21/eli-c
Copper	ND	mg/L		0.01		1	E200.8	11/22/07 07:21/eli-c
Iron	ND	mg/L		0.03		1	E200.7	11/29/07 20:56/eli-c
Lead	ND	mg/L		0.001		1	E200.8	11/22/07 07:21/eli-c
Manganese	0.15	mg/L		0.01		1	E200.8	11/22/07 07:21/eli-c
Mercury	ND	mg/L		0.001		10	E200.8	11/26/07 18:41/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	11/22/07 07:21/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	11/22/07 07:21/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	12/03/07 14:51/eli-c
Silver	ND	mg/L		0.005		10	E200.8	11/26/07 18:41/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110184-001
Client Sample ID: DewBurdGW628

Report Date: 01/28/08
Collection Date: 11/14/07 10:59
Date Received: 11/15/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	11/22/07 07:21/eli-c
Uranium	0.0034	mg/L		0.0003		1	E200.8	11/22/07 07:21/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	11/22/07 07:21/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	11/22/07 07:21/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	11/29/07 00:48/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.001		1	E200.8	11/20/07 23:23/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	12/03/07 09:32/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	12/04/07 00:00/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	83.9	pCi/L		1.0		1	E900.0	12/06/07 03:35/eli-c
Gross Alpha precision (±)	2.8	pCi/L				1	E900.0	12/06/07 03:35/eli-c
Gross Beta	47.1	pCi/L		2.0		1	E900.0	12/06/07 03:35/eli-c
Gross Beta precision (±)	4.1	pCi/L				1	E900.0	12/06/07 03:35/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	11/21/07 07:30/eli-c
Polonium 210	2.7	pCi/L		1.0		1	RMO-3008	11/20/07 13:30/eli-c
Polonium 210 precision (±)	1.7	pCi/L				1	RMO-3008	11/20/07 13:30/eli-c
Radium 226	20.7	pCi/L		0.2		1	E903.0	11/27/07 13:15/eli-c
Radium 226 precision (±)	1.4	pCi/L				1	E903.0	11/27/07 13:15/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	11/29/07 14:30/eli-c
Gross Gamma	1100	pCi/L		20		1	E901.1	11/16/07 10:50/eli-c
Gross Gamma precision (±)	82	pCi/L				1	E901.1	11/16/07 10:50/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	11/29/07 08:25/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/29/07 12:20/eli-c
Radium 226	0.3	pCi/L		0.2		1	E903.0	12/04/07 11:30/eli-c
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	12/04/07 11:30/eli-c
Thorium 230	0.3	pCi/L		0.2		1	E907.0	11/28/07 14:15/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	11/28/07 14:15/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110184-001
Client Sample ID: DewBurdGW628

Report Date: 01/28/08
Collection Date: 11/14/07 10:59
Date Received: 11/15/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - TOTAL								
Radon 222	2740	pCi/L		100		1	D5072-92	11/15/07 18:10/eli-c
Radon 222 precision (±)	70.4	pCi/L				1	D5072-92	11/15/07 18:10/eli-c
DATA QUALITY								
A/C Balance (± 5)	-1.74	%				1	A1030 E	12/26/07 13:54/sec
Anions	14.4	meq/L				1	A1030 E	12/26/07 13:54/sec
Cations	13.9	meq/L				1	A1030 E	12/26/07 13:54/sec
Solids, Total Dissolved Calculated	923	mg/L				1	A1030 E	12/26/07 13:54/sec
TDS Balance (0.80 - 1.20)	1.44	dec. %				1	A1030 E	12/26/07 13:54/sec

- Ion Balance achieved using Sulfate from E200.7.
- TDS rechecked, TDS balance may be affected by analytes not requested or by active, clay size particulates.

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110184-002
Client Sample ID: DewBurdGW4002

Report Date: 01/28/08
Collection Date: 11/14/07 11:45
Date Received: 11/15/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	140	mg/L		5		1	A2320 B	11/27/07 17:31/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	11/27/07 17:31/sn
Bicarbonate as HCO3	171	mg/L		5		1	A2320 B	11/27/07 17:31/sn
Calcium	41.4	mg/L		0.5		1	E200.7	11/29/07 21:00/eli-c
Chloride	7	mg/L		1		1	E300.0	11/16/07 21:34/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	11/16/07 21:34/jmh
Magnesium	13.9	mg/L		0.5		1	E200.7	11/29/07 21:00/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	11/29/07 16:04/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	11/16/07 21:34/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	11/16/07 21:34/jmh
Potassium	7.3	mg/L		0.5		1	E200.7	11/29/07 21:00/eli-c
Silica	7.6	mg/L		0.5		1	E200.7	11/29/07 21:00/eli-c
Sodium	197	mg/L	D	0.8		1	E200.7	11/30/07 17:13/eli-c
Sulfate	448	mg/L	D	40		50	E300.0	11/16/07 21:18/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1130	umhos/cm		5.0		1	A2510 B	11/16/07 18:40/jmh
Oxidation-Reduction Potential	140	mV				1	A2580 B	11/15/07 00:00/jmh
pH	7.65	s.u.		0.01		1	A4500-H B	11/16/07 14:35/jmh
Sodium Adsorption Ratio (SAR)	6.7	meq/L		0.10		1	Calculation	12/20/07 17:41/sec
Solids, Total Dissolved TDS @ 180 C	850	mg/L		5		1	A2540 C	11/16/07 11:50/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	11/22/07 07:27/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	11/22/07 07:27/eli-c
Barium	ND	mg/L		0.1		1	E200.8	11/22/07 07:27/eli-c
Boron	ND	mg/L		0.1		1	E200.7	11/29/07 21:00/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	11/22/07 07:27/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	11/22/07 07:27/eli-c
Copper	ND	mg/L		0.01		1	E200.8	11/22/07 07:27/eli-c
Iron	ND	mg/L		0.03		1	E200.7	11/29/07 21:00/eli-c
Lead	ND	mg/L		0.001		1	E200.8	11/22/07 07:27/eli-c
Manganese	0.08	mg/L		0.01		1	E200.8	11/22/07 07:27/eli-c
Mercury	ND	mg/L		0.001		10	E200.8	11/26/07 18:48/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	11/22/07 07:27/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	11/22/07 07:27/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	12/03/07 14:53/eli-c
Silver	ND	mg/L		0.005		10	E200.8	11/26/07 18:48/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110184-002
Client Sample ID: DewBurdGW4002

Report Date: 01/28/08
Collection Date: 11/14/07 11:45
Date Received: 11/15/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	11/22/07 07:27/eli-c
Uranium	0.0026	mg/L		0.0003		1	E200.8	11/22/07 07:27/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	11/22/07 07:27/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	11/22/07 07:27/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	11/29/07 00:55/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.001		1	E200.8	11/20/07 23:30/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	12/03/07 09:34/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	12/04/07 00:00/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	227	pCi/L		1.0		1	E900.0	12/06/07 03:35/eli-c
Gross Alpha precision (±)	3.8	pCi/L				1	E900.0	12/06/07 03:35/eli-c
Gross Beta	87.9	pCi/L		2.0		1	E900.0	12/06/07 03:35/eli-c
Gross Beta precision (±)	3.1	pCi/L				1	E900.0	12/06/07 03:35/eli-c
Lead 210	6.2	pCi/L		1.0		1	E909.0M	11/21/07 07:30/eli-c
Lead 210 precision (±)	1.4	pCi/L				1	E909.0M	11/21/07 07:30/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/20/07 13:30/eli-c
Radium 226	54.2	pCi/L		0.2		1	E903.0	11/27/07 13:15/eli-c
Radium 226 precision (±)	2.2	pCi/L				1	E903.0	11/27/07 13:15/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	11/29/07 14:30/eli-c
Gross Gamma	2200	pCi/L		20		1	E901.1	11/16/07 10:50/eli-c
Gross Gamma precision (±)	110	pCi/L				1	E901.1	11/16/07 10:50/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	11/29/07 08:25/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/29/07 12:20/eli-c
Radium 226	2.4	pCi/L		0.2		1	E903.0	12/04/07 11:30/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	12/04/07 11:30/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	11/28/07 14:15/eli-c
RADIONUCLIDES - TOTAL								

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110184-002
Client Sample ID: DewBurdGW4002

Report Date: 01/28/08
Collection Date: 11/14/07 11:45
Date Received: 11/15/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - TOTAL								
Radon 222	8010	pCi/L		100		1	D5072-92	11/15/07 18:10/eli-c
Radon 222 precision (±)	105	pCi/L				1	D5072-92	11/15/07 18:10/eli-c
DATA QUALITY								
A/C Balance (± 5)	-1.56	%				1	A1030 E	12/20/07 17:54/sec
Anions	12.3	meq/L				1	A1030 E	12/20/07 17:54/sec
Cations	12.0	meq/L				1	A1030 E	12/20/07 17:54/sec
Solids, Total Dissolved Calculated	799	mg/L				1	A1030 E	12/20/07 17:54/sec
TDS Balance (0.80 - 1.20)	1.06	dec. %				1	A1030 E	12/20/07 17:54/sec

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110184-003
Client Sample ID: DewBurdGW679

Report Date: 01/28/08
Collection Date: 11/14/07 13:45
Date Received: 11/15/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	136	mg/L		5		1	A2320 B	11/27/07 17:33/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	11/27/07 17:33/sn
Bicarbonate as HCO3	166	mg/L		5		1	A2320 B	11/27/07 17:33/sn
Calcium	447	mg/L	D	1		10	E200.7	11/29/07 20:50/eli-c
Chloride	12	mg/L		1		1	E300.0	11/16/07 22:06/jmh
Fluoride	0.2	mg/L		0.1		1	E300.0	11/16/07 22:06/jmh
Magnesium	92.5	mg/L		0.5		1	E200.7	11/29/07 21:19/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	11/29/07 16:07/sn
Nitrogen, Nitrate as N	1.3	mg/L		0.1		1	E300.0	11/16/07 22:06/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	11/16/07 22:06/jmh
Potassium	11.4	mg/L		0.5		1	E200.7	11/29/07 21:19/eli-c
Silica	12.6	mg/L		0.5		1	E200.7	11/29/07 21:19/eli-c
Sodium	74.9	mg/L	D	0.8		1	E200.7	11/30/07 17:32/eli-c
Sulfate	1500	mg/L	D	40		50	E300.0	11/16/07 21:50/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2470	umhos/cm		5.0		1	A2510 B	11/16/07 18:41/jmh
Oxidation-Reduction Potential	230	mV				1	A2580 B	11/15/07 00:00/jmh
pH	7.34	s.u.		0.01		1	A4500-H B	11/16/07 14:36/jmh
Sodium Adsorption Ratio (SAR)	0.84	meq/L		0.10		1	Calculation	12/20/07 17:41/sec
Solids, Total Dissolved TDS @ 180 C	2600	mg/L		5		1	A2540 C	11/16/07 11:51/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	11/22/07 07:34/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	11/22/07 07:34/eli-c
Barium	ND	mg/L		0.1		1	E200.8	11/22/07 07:34/eli-c
Boron	0.4	mg/L		0.1		1	E200.7	11/29/07 21:19/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	11/22/07 07:34/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	11/22/07 07:34/eli-c
Copper	ND	mg/L		0.01		1	E200.8	11/22/07 07:34/eli-c
Iron	ND	mg/L		0.03		1	E200.7	11/29/07 21:19/eli-c
Lead	ND	mg/L		0.001		1	E200.8	11/22/07 07:34/eli-c
Manganese	0.04	mg/L		0.01		1	E200.8	11/22/07 07:34/eli-c
Mercury	ND	mg/L		0.001		10	E200.8	11/26/07 18:55/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	11/22/07 07:34/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	11/22/07 07:34/eli-c
Selenium	0.012	mg/L		0.001		1	A3114 B	12/03/07 14:55/eli-c
Silver	ND	mg/L		0.005		10	E200.8	11/26/07 18:55/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110184-003
Client Sample ID: DewBurdGW679

Report Date: 01/28/08
Collection Date: 11/14/07 13:45
Date Received: 11/15/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	11/22/07 07:34/eli-c
Uranium	0.0144	mg/L		0.0003		1	E200.8	11/22/07 07:34/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	11/22/07 07:34/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	11/22/07 07:34/eli-c
METALS - SUSPENDED								
Uranium	0.0008	mg/L		0.0003		1	E200.8	11/29/07 01:03/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.001		10	E200.8	11/20/07 23:37/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	12/03/07 09:36/eli-c
Selenium-VI	0.012	mg/L		0.001		1	A3114 B	12/04/07 00:00/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	13.3	pCi/L		1.0		1	E900.0	12/06/07 03:35/eli-c
Gross Alpha precision (±)	1.9	pCi/L				1	E900.0	12/06/07 03:35/eli-c
Gross Beta	16.3	pCi/L		2.0		1	E900.0	12/06/07 03:35/eli-c
Gross Beta precision (±)	4.7	pCi/L				1	E900.0	12/06/07 03:35/eli-c
Lead 210	9.1	pCi/L		1.0		1	E909.0M	11/21/07 07:30/eli-c
Lead 210 precision (±)	1.7	pCi/L				1	E909.0M	11/21/07 07:30/eli-c
Polonium 210	2.3	pCi/L		1.0		1	RMO-3008	11/20/07 13:30/eli-c
Polonium 210 precision (±)	1.5	pCi/L				1	RMO-3008	11/20/07 13:30/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	11/27/07 13:15/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	11/29/07 14:30/eli-c
Gross Gamma	1500	pCi/L		20		1	E901.1	11/16/07 10:50/eli-c
Gross Gamma precision (±)	240	pCi/L				1	E901.1	11/16/07 10:50/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	11/29/07 08:25/eli-c
Lead 210 precision (±)	0.11	pCi/L				1	E909.0M	11/29/07 08:25/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/29/07 12:20/eli-c
Radium 226	0.5	pCi/L		0.2		1	E903.0	12/04/07 11:30/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	12/04/07 11:30/eli-c
Thorium 230	0.3	pCi/L		0.2		1	E907.0	11/28/07 14:15/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	11/28/07 14:15/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110184-003
Client Sample ID: DewBurdGW679

Report Date: 01/28/08
Collection Date: 11/14/07 13:45
Date Received: 11/15/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - TOTAL								
Radon 222	819	pCi/L		100		1	D5072-92	11/15/07 18:10/eli-c
Radon 222 precision (±)	51.2	pCi/L				1	D5072-92	11/15/07 18:10/eli-c
DATA QUALITY								
A/C Balance (± 5)	-1.35	%				1	A1030 E	12/20/07 17:55/sec
Anions	34.4	meq/L				1	A1030 E	12/20/07 17:55/sec
Cations	33.5	meq/L				1	A1030 E	12/20/07 17:55/sec
Solids, Total Dissolved Calculated	2230	mg/L				1	A1030 E	12/20/07 17:55/sec
TDS Balance (0.80 - 1.20)	1.15	dec. %				1	A1030 E	12/20/07 17:55/sec

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110184-004
Client Sample ID: DewBurdGW631

Report Date: 01/28/08
Collection Date: 11/14/07 15:20
Date Received: 11/15/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	160	mg/L		5		1	A2320 B	11/27/07 17:35/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	11/27/07 17:35/sn
Bicarbonate as HCO3	195	mg/L		5		1	A2320 B	11/27/07 17:35/sn
Calcium	307	mg/L	D	1		10	E200.7	11/29/07 20:53/eli-c
Chloride	10	mg/L		1		1	E300.0	11/16/07 22:38/jmh
Fluoride	0.3	mg/L		0.1		1	E300.0	11/16/07 22:38/jmh
Magnesium	89.3	mg/L		0.5		1	E200.7	11/29/07 21:22/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	11/29/07 16:08/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	11/16/07 22:38/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	11/16/07 22:38/jmh
Potassium	15.7	mg/L		0.5		1	E200.7	11/29/07 21:22/eli-c
Silica	7.8	mg/L		0.5		1	E200.7	11/29/07 21:22/eli-c
Sodium	92.9	mg/L	D	0.8		1	E200.7	11/30/07 17:36/eli-c
Sulfate	1220	mg/L	D	40		50	E300.0	11/16/07 22:22/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2170	umhos/cm		5.0		1	A2510 B	11/16/07 18:42/jmh
Oxidation-Reduction Potential	ND	mV				1	A2580 B	11/15/07 00:00/jmh
pH	7.23	s.u.		0.01		1	A4500-H B	11/16/07 14:38/jmh
Sodium Adsorption Ratio (SAR)	1.2	meq/L		0.10		1	Calculation	12/20/07 17:41/sec
Solids, Total Dissolved TDS @ 180 C	2000	mg/L		5		1	A2540 C	11/16/07 11:52/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	11/22/07 08:01/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	11/22/07 08:01/eli-c
Barium	ND	mg/L		0.1		1	E200.8	11/22/07 08:01/eli-c
Boron	ND	mg/L		0.1		1	E200.7	11/29/07 21:22/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	11/22/07 08:01/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	11/22/07 08:01/eli-c
Copper	ND	mg/L		0.01		1	E200.8	11/22/07 08:01/eli-c
Iron	0.84	mg/L		0.03		1	E200.7	11/29/07 21:22/eli-c
Lead	ND	mg/L		0.001		1	E200.8	11/22/07 08:01/eli-c
Manganese	0.29	mg/L		0.01		1	E200.8	11/22/07 08:01/eli-c
Mercury	ND	mg/L		0.001		10	E200.8	11/26/07 19:02/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	11/22/07 08:01/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	11/22/07 08:01/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	12/03/07 14:57/eli-c
Silver	ND	mg/L		0.005		10	E200.8	11/26/07 19:02/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110184-004
Client Sample ID: DewBurdGW631

Report Date: 01/28/08
Collection Date: 11/14/07 15:20
Date Received: 11/15/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	11/22/07 08:01/eli-c
Uranium	0.0029	mg/L		0.0003		1	E200.8	11/22/07 08:01/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	11/22/07 08:01/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	11/22/07 08:01/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	11/29/07 01:10/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.001		1	E200.8	11/20/07 23:44/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	12/03/07 09:38/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	12/04/07 00:00/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	46.5	pCi/L		1.0		1	E900.0	12/06/07 03:35/eli-c
Gross Alpha precision (±)	2.4	pCi/L				1	E900.0	12/06/07 03:35/eli-c
Gross Beta	29.4	pCi/L		2.0		1	E900.0	12/06/07 03:35/eli-c
Gross Beta precision (±)	3.8	pCi/L				1	E900.0	12/06/07 03:35/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	11/21/07 07:30/eli-c
Polonium 210	3.5	pCi/L		1.0		1	RMO-3008	11/20/07 13:30/eli-c
Polonium 210 precision (±)	2.0	pCi/L				1	RMO-3008	11/20/07 13:30/eli-c
Radium 226	9.5	pCi/L		0.2		1	E903.0	11/27/07 13:15/eli-c
Radium 226 precision (±)	0.9	pCi/L				1	E903.0	11/27/07 13:15/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	11/29/07 14:30/eli-c
Gross Gamma	1900	pCi/L		20		1	E901.1	11/16/07 10:50/eli-c
Gross Gamma precision (±)	280	pCi/L				1	E901.1	11/16/07 10:50/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	11/29/07 08:25/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	11/29/07 12:20/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/04/07 11:30/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	11/28/07 14:15/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	4220	pCi/L		100		1	D5072-92	11/15/07 18:10/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110184-004
Client Sample ID: DewBurdGW631

Report Date: 01/28/08
Collection Date: 11/14/07 15:20
Date Received: 11/15/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - TOTAL								
Radon 222 precision (±)	80.0	pCi/L				1	D5072-92	11/15/07 18:10/eli-c
DATA QUALITY								
A/C Balance (± 5)	-3.03	%				1	A1030 E	12/20/07 17:55/sec
Anions	28.9	meq/L				1	A1030 E	12/20/07 17:55/sec
Cations	27.2	meq/L				1	A1030 E	12/20/07 17:55/sec
Solids, Total Dissolved Calculated	1830	mg/L				1	A1030 E	12/20/07 17:55/sec
TDS Balance (0.80 - 1.20)	1.09	dec. %				1	A1030 E	12/20/07 17:55/sec

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

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/28/08
Work Order: R07110184

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 071127A-ALK-SEL-W	
Sample ID: MBLK1_071127A	Method Blank				Run: PH_COND1-R_071127A			11/27/07 15:43	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Sample ID: LCS1_071127A	Laboratory Control Sample				Run: PH_COND1-R_071127A			11/27/07 15:45	
Alkalinity, Total as CaCO3	984	mg/L	5.0	98	90	110			
Sample ID: R07110184-004AMS	Sample Matrix Spike				Run: PH_COND1-R_071127A			11/27/07 17:38	
Alkalinity, Total as CaCO3	268	mg/L	5.0	102	80	120			
Sample ID: R07110184-004AMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_071127A			11/27/07 17:40	
Alkalinity, Total as CaCO3	256	mg/L	5.0	91	80	120	4.6	10	
Method: A2510 B								Batch: 071116_1_COND-PROBE-W	
Sample ID: LCS1-1_071116	Laboratory Control Sample				Run: PH_COND2-R_071116A			11/16/07 18:09	
Conductivity @ 25 C	151	umhos/cm	5.0	101	90	110			
Sample ID: LCS2-1_071116	Laboratory Control Sample				Run: PH_COND2-R_071116A			11/16/07 18:10	
Conductivity @ 25 C	4890	umhos/cm	5.0	98	90	110			
Sample ID: LCS_COND-1_071116	Laboratory Control Sample				Run: PH_COND2-R_071116A			11/16/07 18:10	
Conductivity @ 25 C	1410	umhos/cm	5.0	100	90	110			
Sample ID: MBLK-1_071116	Method Blank				Run: PH_COND2-R_071116A			11/16/07 18:11	
Conductivity @ 25 C	ND	umhos/cm	5						
Method: A2540 C								Batch: 071116A-SLDS-TDS-W	
Sample ID: LCS1_071116A	Laboratory Control Sample				Run: BAL-4-R_071116A			11/16/07 11:13	
Solids, Total Dissolved TDS @ 180 C	220	mg/L	5.0	110	90	110			
Sample ID: MBLK1_071116A	Method Blank				Run: BAL-4-R_071116A			11/16/07 11:15	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: R07110184-004AMS	Sample Matrix Spike				Run: BAL-4-R_071116A			11/16/07 11:53	
Solids, Total Dissolved TDS @ 180 C	2200	mg/L	5.0	106	80	120			
Sample ID: R07110184-004AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_071116A			11/16/07 11:54	
Solids, Total Dissolved TDS @ 180 C	2200	mg/L	5.0	102	80	120	0.4	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/28/08
Work Order: R07110184

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B									Batch: C_SE3114-071203
Sample ID: MBLK	Method Blank				Run: SUB-C93637				12/03/07 09:29
Selenium-IV	ND	mg/L	0.0002						
Sample ID: R07110184-001E	Sample Matrix Spike				Run: SUB-C93637				12/03/07 09:53
Selenium-IV	0.050	mg/L	0.0010	99	85	115			
Sample ID: R07110184-001E	Sample Matrix Spike Duplicate				Run: SUB-C93637				12/03/07 09:55
Selenium-IV	0.050	mg/L	0.0010	99	85	115	0.0	10	
Sample ID: 301-119-5	Laboratory Control Sample				Run: SUB-C93637				12/03/07 09:57
Selenium-IV	0.050	mg/L	0.0010	100	90	110			
Method: A3114 B									Batch: C_SE3114-071203B
Sample ID: MBLK	Method Blank				Run: SUB-C93669				12/03/07 14:47
Selenium	ND	mg/L	0.0004						
Sample ID: C07110759-001EMS	Sample Matrix Spike				Run: SUB-C93669				12/03/07 15:12
Selenium	0.049	mg/L	0.0010	97	85	115			
Sample ID: C07110759-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C93669				12/03/07 15:14
Selenium	0.050	mg/L	0.0010	101	85	115	3.6	10	
Sample ID: 301-119-4	Laboratory Control Sample				Run: SUB-C93669				12/03/07 15:16
Selenium	0.050	mg/L	0.0010	100	90	110			
Method: A4500-H B									Batch: 071116_1_PH-W
Sample ID: LCS_pH-1_071116	Laboratory Control Sample				Run: PH_COND2-R_071116B				11/16/07 14:01
pH	6.85	s.u.	0.010	100	98.55	101.45			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/28/08
Work Order: R07110184

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G								Batch: A2007-11-29_2_NH3_01	
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_071129A			11/29/07 14:58	
Nitrogen, Ammonia as N	0.23	mg/L	0.10	90	90	110			
Sample ID: LFB-5	Laboratory Fortified Blank				Run: TECHAA2-R_071129A			11/29/07 14:59	
Nitrogen, Ammonia as N	0.24	mg/L	0.10	95	90	110			
Sample ID: MBLK-6	Method Blank				Run: TECHAA2-R_071129A			11/29/07 15:00	
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: R07110184-001BDUP	Sample Duplicate				Run: TECHAA2-R_071129A			11/29/07 16:03	
Nitrogen, Ammonia as N	0.20	mg/L	0.10				0.5	10	
Sample ID: R07110184-002BMS	Sample Matrix Spike				Run: TECHAA2-R_071129A			11/29/07 16:05	
Nitrogen, Ammonia as N	0.32	mg/L	0.10	126	80	120			S
Method: D5072-92								Batch: C_R93068	
Sample ID: C07110603-010GDUP	Sample Duplicate				Run: SUB-C93068			11/15/07 18:10	
Radon 222	1150	pCi/L	100				5.6	30	
Sample ID: MB-R93068	Method Blank				Run: SUB-C93068			11/15/07 18:10	
Radon 222	ND	pCi/L	100						
Sample ID: LCS-R93068	Laboratory Control Sample				Run: SUB-C93068			11/15/07 18:10	
Radon 222	303	pCi/L	100	100	70	130			

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/28/08
Work Order: R07110184

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R93581
Sample ID: LFB-TM	Laboratory Fortified Blank				Run: SUB-C93581				11/29/07 15:05
Silica	2.1	mg/L	0.10	107	85	125			
Boron	2.0	mg/L	0.10	101	85	125			
Iron	2.1	mg/L	0.030	105	85	125			
Sample ID: LFB-MAJORS	Laboratory Fortified Blank				Run: SUB-C93581				11/29/07 15:08
Calcium	25	mg/L	0.50	99	85	125			
Magnesium	25	mg/L	0.50	98	85	125			
Potassium	28	mg/L	0.50	111	85	125			
Sample ID: C07110854-001CMS	Sample Matrix Spike				Run: SUB-C93581				11/29/07 19:50
Boron	0.974	mg/L	0.10	94	70	130			
Iron	0.930	mg/L	0.030	92	70	130			
Calcium	77.7	mg/L	0.50	77	70	130			
Magnesium	57.1	mg/L	0.50	82	70	130			
Potassium	113	mg/L	0.50	93	70	130			
Silica	17.5	mg/L	0.10		0	0			A
- Matrix spike recoveries outside the acceptance criteria of 70 to 130 percent are considered matrix related, not system related. Reported values are within method specifications. (EPA Method 200.8, par. 9.4.4)									
Sample ID: C07110854-001CMSD	Sample Matrix Spike Duplicate				Run: SUB-C93581				11/29/07 19:54
Boron	1.02	mg/L	0.10	99	70	130	4.5	20	
Iron	0.972	mg/L	0.030	97	70	130	4.4	20	
Calcium	80.1	mg/L	0.50	81	70	130	3.0	20	
Magnesium	58.3	mg/L	0.50	84	70	130	2.1	20	
Potassium	117	mg/L	0.50	96	70	130	3.1	20	
Silica	18.0	mg/L	0.10		0	0			A
- Matrix spike duplicate recoveries outside the acceptance criteria of 70 to 130 percent are considered matrix related, not system related. Reported values are within method specifications. (EPA Method 200.8, par. 9.4.4)									
Method: E200.7									Batch: C_R93622
Sample ID: LFB-MAJORS	Laboratory Fortified Blank				Run: SUB-C93622				11/30/07 14:32
Sodium	24	mg/L	0.76	95	85	125			
Sample ID: C07110945-001CMS	Sample Matrix Spike				Run: SUB-C93622				11/30/07 16:27
Sodium	600	mg/L	5.3	83	70	130			
Sample ID: C07110945-001CMSD	Sample Matrix Spike Duplicate				Run: SUB-C93622				11/30/07 16:30
Sodium	600	mg/L	5.3	83	70	130	0.2	20	
Sample ID: LFB-MAJORS	Laboratory Fortified Blank				Run: SUB-C93622				11/30/07 18:28
Sodium	23	mg/L	0.76	93	85	125			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/28/08
Work Order: R07110184

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_16890
Sample ID: MB-16890	Method Blank				Run: SUB-C93209				11/20/07 21:28
Mercury	ND	mg/L	6E-06						
Sample ID: C07110739-001B MS4	Post Digestion Spike				Run: SUB-C93209				11/20/07 22:56
Mercury	0.0061	mg/L	0.0010	87	70	130			
- Matrix spike recoveries outside the acceptance criteria of 70 to 130 percent are considered matrix related, not system related. Reported values are within method specifications. (EPA Method 200.8, par. 9.4.4)									
Sample ID: C07110739-001B MSD4	Post Digestion Spike Duplicate				Run: SUB-C93209				11/20/07 23:03
Mercury	0.0060	mg/L	0.0010	86	70	130	1.6	20	
- Matrix spike duplicate recoveries outside the acceptance criteria of 70 to 130 percent are considered matrix related, not system related. Reported values are within method specifications. (EPA Method 200.8, par. 9.4.4)									
Method: E200.8									Batch: C_16960
Sample ID: MB-16960	Method Blank				Run: SUB-C93496				11/29/07 00:25
Uranium	7E-05	mg/L	4E-05						
Sample ID: LCS1-16960	Laboratory Control Sample				Run: SUB-C93496				11/29/07 00:33
Uranium	0.0598	mg/L	0.00030	119	80	120			
Sample ID: R07110184-004I	Post Digestion Spike				Run: SUB-C93496				11/29/07 01:18
Uranium	0.00316	mg/L	0.00030	97	70	130			
Sample ID: R07110184-004I	Post Digestion Spike Duplicate				Run: SUB-C93496				11/29/07 01:25
Uranium	0.00313	mg/L	0.00030	96	70	130	1.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/28/08
Work Order: R07110184

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R93267
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C93267				11/21/07 22:44
Aluminum	0.0462	mg/L	0.0010	92	85	115			
Arsenic	0.0508	mg/L	0.0010	102	85	115			
Barium	0.0508	mg/L	0.0010	102	85	115			
Cadmium	0.0501	mg/L	0.0010	100	85	115			
Chromium	0.0495	mg/L	0.0010	99	85	115			
Copper	0.0517	mg/L	0.0010	103	85	115			
Lead	0.0512	mg/L	0.0010	102	85	115			
Manganese	0.0497	mg/L	0.0010	99	85	115			
Molybdenum	0.0497	mg/L	0.0010	99	85	115			
Nickel	0.0508	mg/L	0.0010	102	85	115			
Thorium 232	0.0509	mg/L	0.0010	102	85	115			
Uranium	0.0506	mg/L	0.00030	101	85	115			
Vanadium	0.0499	mg/L	0.0010	100	85	115			
Zinc	0.0523	mg/L	0.0010	102	85	115			
Sample ID: LRB	Method Blank				Run: SUB-C93267				11/21/07 11:49
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C93267				11/21/07 11:53
Uranium	0.0522	mg/L	0.00030	104	85	115			
Sample ID: C07110764-001BMS	Sample Matrix Spike				Run: SUB-C93267				11/21/07 20:01
Uranium	0.064	mg/L	0.00030	124	70	130			
Sample ID: C07110764-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-C93267				11/21/07 20:05
Uranium	0.054	mg/L	0.00030	104	70	130	17	20	
Sample ID: LRB	Method Blank				Run: SUB-C93267				11/21/07 22:37
Aluminum	ND	mg/L	0.0001						
Arsenic	ND	mg/L	6E-05						
Barium	ND	mg/L	3E-05						
Cadmium	ND	mg/L	1E-05						
Chromium	6E-05	mg/L	4E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Manganese	6E-05	mg/L	5E-05						
Molybdenum	ND	mg/L	5E-05						
Nickel	ND	mg/L	0.0007						
Thorium 232	ND	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Vanadium	ND	mg/L	3E-05						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/28/08
Work Order: R07110184

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R93267
Sample ID: LRB	Method Blank				Run: SUB-C93267				11/21/07 22:37
Zinc	0.001	mg/L	0.0003						
Sample ID: R07110184-003C	Post Digestion Spike				Run: SUB-C93267				11/22/07 07:41
Aluminum	0.0438	mg/L	0.10	86	70	130			
Arsenic	0.0512	mg/L	0.0010	102	70	130			
Barium	0.0712	mg/L	0.10	101	70	130			
Cadmium	0.0459	mg/L	0.010	92	70	130			
Chromium	0.0465	mg/L	0.050	93	70	130			
Copper	0.0483	mg/L	0.010	93	70	130			
Lead	0.0518	mg/L	0.050	104	70	130			
Manganese	0.0844	mg/L	0.010	89	70	130			
Molybdenum	0.0619	mg/L	0.10	98	70	130			
Nickel	0.0527	mg/L	0.050	90	70	130			
Thorium 232	0.0545	mg/L	0.0010	109	70	130			
Uranium	0.0681	mg/L	0.00030	107	70	130			
Vanadium	0.0484	mg/L	0.10	96	70	130			
Zinc	0.0485	mg/L	0.010	85	70	130			
Sample ID: R07110184-003C	Post Digestion Spike Duplicate				Run: SUB-C93267				11/22/07 07:48
Aluminum	0.0462	mg/L	0.10	90	70	130	0.0	20	
Arsenic	0.0474	mg/L	0.0010	94	70	130	7.6	20	
Barium	0.0701	mg/L	0.10	99	70	130	0.0	20	
Cadmium	0.0455	mg/L	0.010	91	70	130	0.9	20	
Chromium	0.0473	mg/L	0.050	95	70	130	0.0	20	
Copper	0.0439	mg/L	0.010	84	70	130	9.7	20	
Lead	0.0517	mg/L	0.050	103	70	130	0.2	20	
Manganese	0.0861	mg/L	0.010	93	70	130	1.9	20	
Molybdenum	0.0621	mg/L	0.10	98	70	130	0.0	20	
Nickel	0.0498	mg/L	0.050	84	70	130	0.0	20	
Thorium 232	0.0545	mg/L	0.0010	109	70	130	0.1	20	
Uranium	0.0680	mg/L	0.00030	107	70	130	0.1	20	
Vanadium	0.0490	mg/L	0.10	97	70	130	0.0	20	
Zinc	0.0442	mg/L	0.010	77	70	130	9.2	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/28/08
Work Order: R07110184

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R93352
Sample ID: LRB	Method Blank				Run: SUB-C93352				11/26/07 11:53
Mercury	ND	mg/L	8E-05						
Silver	ND	mg/L	3E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C93352				11/26/07 12:00
Mercury	0.00513	mg/L	0.0010	103	85	115			
Silver	0.0196	mg/L	0.0010	98	85	115			
Sample ID: R07110147-001E	Post Digestion Spike				Run: SUB-C93352				11/26/07 12:20
Mercury	0.0506	mg/L	0.0010	101	70	130			
Silver	0.188	mg/L	0.010	94	70	130			
Sample ID: R07110147-001E	Post Digestion Spike Duplicate				Run: SUB-C93352				11/26/07 12:27
Mercury	0.0513	mg/L	0.0010	103	70	130	1.5	20	
Silver	0.190	mg/L	0.010	95	70	130	1.2	20	
Sample ID: R07110184-004C	Post Digestion Spike				Run: SUB-C93352				11/26/07 19:09
Mercury	0.0531	mg/L	0.0010	106	70	130			
Silver	0.261	mg/L	0.010	130	70	130			
Sample ID: R07110184-004C	Post Digestion Spike Duplicate				Run: SUB-C93352				11/26/07 19:29
Mercury	0.0529	mg/L	0.0010	106	70	130	0.4	20	
Silver	0.239	mg/L	0.010	120	70	130	8.6	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/28/08
Work Order: R07110184

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R32294
Sample ID: LFB0711160116-3	Laboratory Fortified Blank				Run: DIONEX_071116A				11/16/07 19:43
Chloride	4.74	mg/L	0.50	95	90	110			
Fluoride	1.95	mg/L	0.10	98	90	110			
Nitrogen, Nitrate as N	2.38	mg/L	0.10	95	90	110			
Nitrogen, Nitrite as N	2.38	mg/L	0.10	95	90	110			
Sulfate	14.0	mg/L	1.0	94	90	110			
Sample ID: LFB0711160116-4	Laboratory Fortified Blank				Run: DIONEX_071116A				11/16/07 19:59
Chloride	4.91	mg/L	0.50	98	90	110			
Fluoride	2.01	mg/L	0.10	100	90	110			
Nitrogen, Nitrate as N	2.47	mg/L	0.10	99	90	110			
Nitrogen, Nitrite as N	2.46	mg/L	0.10	98	90	110			
Sulfate	14.5	mg/L	1.0	97	90	110			
Sample ID: R07110184-001AMS	Sample Matrix Spike				Run: DIONEX_071116A				11/16/07 20:31
Chloride	276	mg/L	2.0	94	80	120			
Fluoride	101	mg/L	3.2	101	80	120			
Nitrogen, Nitrate as N	122	mg/L	0.84	98	80	120			
Nitrogen, Nitrite as N	124	mg/L	1.1	99	80	120			
Sulfate	1330	mg/L	36	93	80	120			
Sample ID: R07110184-001AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_071116A				11/16/07 20:47
Chloride	271	mg/L	2.0	91	80	120	1.9	10	
Fluoride	98.8	mg/L	3.2	99	80	120	2.2	10	
Nitrogen, Nitrate as N	120	mg/L	0.84	96	80	120	1.6	10	
Nitrogen, Nitrite as N	121	mg/L	1.1	97	80	120	2.0	10	
Sulfate	1320	mg/L	36	91	80	120	1.3	10	
Sample ID: R07110196-001AMS	Sample Matrix Spike				Run: DIONEX_071116A				11/16/07 23:42
Chloride	17.2	mg/L	0.50	87	80	120			
Fluoride	2.34	mg/L	0.10	97	80	120			
Nitrogen, Nitrate as N	3.63	mg/L	0.10	114	80	120			
Nitrogen, Nitrite as N	2.44	mg/L	0.10	98	80	120			
Sulfate	112	mg/L	1.0		80	120			A
Sample ID: R07110196-001AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_071116A				11/16/07 23:58
Chloride	17.2	mg/L	0.50	86	80	120	0.2	10	
Fluoride	2.18	mg/L	0.10	89	80	120	7.1	10	
Nitrogen, Nitrate as N	3.45	mg/L	0.10	107	80	120	5.1	10	
Nitrogen, Nitrite as N	2.29	mg/L	0.10	92	80	120	6.3	10	
Sulfate	111	mg/L	1.0		80	120	0.1	10	A

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/28/08
Work Order: R07110184

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R32339
Sample ID: LFB0711202015-3	Laboratory Fortified Blank				Run: DIONEX_071120A				11/20/07 19:38
Chloride	4.65	mg/L	0.50	93	90	110			
Sample ID: LFB0711202015-4	Laboratory Fortified Blank				Run: DIONEX_071120A				11/20/07 19:54
Chloride	4.68	mg/L	0.50	94	90	110			
Method: E900.0									Batch: C_GrAB-0362
Sample ID: MB-GrAB-0362	Method Blank				Run: SUB-C93940				12/05/07 03:47
Gross Alpha	ND	pCi/L	1						
Gross Beta	ND	pCi/L	2						
Sample ID: UNAT-GrAB-0362	Laboratory Control Sample				Run: SUB-C93940				12/05/07 03:47
Gross Alpha	300	pCi/L	1.0	105	70	130			
Sample ID: Cs137-GrAB-0362	Laboratory Control Sample				Run: SUB-C93940				12/05/07 03:47
Gross Beta	90	pCi/L	2.0	91	70	130			
Sample ID: C07110703-001AMS	Sample Matrix Spike				Run: SUB-C93940				12/05/07 03:47
Gross Alpha	221	pCi/L	1.0	90	70	130			
Sample ID: C07110703-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C93940				12/05/07 03:47
Gross Alpha	195	pCi/L	1.0	79	70	130	13	13	
Sample ID: C07110703-001AMS	Sample Matrix Spike				Run: SUB-C93940				12/05/07 03:47
Gross Beta	72.2	pCi/L	2.0	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: C07110703-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C93940				12/05/07 03:47
Gross Beta	86.6	pCi/L	2.0	83	70	130	18	20	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/28/08
Work Order: R07110184

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E901.1									Batch: C_R93000
Sample ID: LCS-R93000	Laboratory Control Sample				Run: SUB-C93000				11/16/07 10:50
Cesium 137	1100	pCi/L	20	82	70	130			
Potassium 40	7000	pCi/L	20	105	70	130			
Sample ID: MB-R93000	Method Blank				Run: SUB-C93000				11/16/07 10:50
Americium 241	ND	pCi/L	20						
Barium 133	ND	pCi/L	20						
Bismuth 212	ND	pCi/L	20						
Bismuth 214	ND	pCi/L	20						
Cesium 134	ND	pCi/L	20						
Cesium 137	ND	pCi/L	20						
Cobalt 60	ND	pCi/L	20						
Iodine 125	ND	pCi/L	20						
Iodine 131	ND	pCi/L	20						
Lead 212	ND	pCi/L	20						
Lead 214	ND	pCi/L	20						
Manganese 54	ND	pCi/L	20						
Potassium 40	ND	pCi/L	20						
Radium 223	ND	pCi/L	20						
Radium 224	ND	pCi/L	20						
Thallium 208	ND	pCi/L	20						
Thorium 228	ND	pCi/L	20						
Thorium 234	ND	pCi/L	20						
Zinc 65	ND	pCi/L	20						
Radium 228	ND	pCi/L	20						
Gross Gamma	ND	pCi/L	20						
Sample ID: R07110184-004H	Sample Duplicate				Run: SUB-C93000				11/15/07 10:50
Gross Gamma	1730	pCi/L	20				12	30	
Method: E903.0									Batch: C_RA226-2452
Sample ID: MB-RA226-2452	Method Blank				Run: SUB-C93253				11/21/07 15:50
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-2452	Laboratory Control Sample				Run: SUB-C93253				11/21/07 15:50
Radium 226	12	pCi/L	0.20	96	70	130			
Sample ID: R07110184-001H	Sample Matrix Spike				Run: SUB-C93253				11/27/07 13:15
Radium 226	39	pCi/L	0.20	88	70	130			
Sample ID: R07110184-001H	Sample Matrix Spike Duplicate				Run: SUB-C93253				11/27/07 13:15
Radium 226	43	pCi/L	0.20	108	70	130	10	22.2	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/28/08
Work Order: R07110184

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: C_16960
Sample ID: C07110911-002FMS	Sample Matrix Spike				Run: SUB-C94000				11/28/07 14:15
Thorium 230	16.1	pCi/L	0.20	106	70	130			
Sample ID: LCS-16960	Laboratory Control Sample				Run: SUB-C94000				11/28/07 14:15
Thorium 230	6.70	pCi/L	0.21	114	70	130			
Sample ID: MB-16960	Method Blank				Run: SUB-C94000				11/28/07 14:15
Thorium 230	ND	pCi/L	0.2						
Method: E907.0									Batch: C_R93936
Sample ID: LCS-R93936	Laboratory Control Sample				Run: SUB-C93936				11/29/07 14:30
Thorium 230	6.40	pCi/L	0.20	108	70	130			
Sample ID: C07110728-007AMS	Sample Matrix Spike				Run: SUB-C93936				11/29/07 14:30
Thorium 230	69.2	pCi/L	0.20	118	70	130			
Sample ID: C07110728-007AMSD	Sample Matrix Spike Duplicate				Run: SUB-C93936				11/29/07 14:30
Thorium 230	60.3	pCi/L	0.20	103	70	130	14	30	
Sample ID: MB-R93936	Method Blank				Run: SUB-C93936				11/29/07 14:30
Thorium 230	ND	pCi/L	0.2						
Method: E909.0M									Batch: C_16960
Sample ID: C07110911-001FMS	Sample Matrix Spike				Run: SUB-C93745				11/29/07 08:25
Lead 210	300	pCi/L	1.0	74	70	130			
Sample ID: C07110911-001FMSD	Sample Matrix Spike Duplicate				Run: SUB-C93745				11/29/07 08:25
Lead 210	450	pCi/L	1.0	112	70	130	40	30	R
Method: E909.0M									Batch: C_R93516
Sample ID: C07110728-001AMS	Sample Matrix Spike				Run: SUB-C93516				11/21/07 07:30
Lead 210	390	pCi/L	1.0	97	70	130			
Sample ID: C07110728-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C93516				11/21/07 07:30
Lead 210	440	pCi/L	1.0	109	70	130	12	30	
Sample ID: MB-R93516	Method Blank				Run: SUB-C93516				11/21/07 07:30
Lead 210	ND	pCi/L	1						
Sample ID: LCS-R93516	Laboratory Control Sample				Run: SUB-C93516				11/21/07 07:30
Lead 210	98	pCi/L	1.0	122	70	130			

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
R - RPD exceeds advisory limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 01/28/08
Work Order: R07110184

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RMO-3008									Batch: C_16960
Sample ID: C07110982-002FMS	Sample Matrix Spike				Run: SUB-C93735				11/29/07 12:20
Polonium 210	92	pCi/L	1.0	79	70	130			
Sample ID: C07110982-002FMSD	Sample Matrix Spike Duplicate				Run: SUB-C93735				11/29/07 12:20
Polonium 210	110	pCi/L	1.0	94	70	130	17	30	
Sample ID: LCS-16960	Laboratory Control Sample				Run: SUB-C93735				11/29/07 12:20
Polonium 210	18	pCi/L	1.0	79	70	130			
Sample ID: MB-16960	Method Blank				Run: SUB-C93735				11/29/07 12:20
Polonium 210	ND	pCi/L	1						
Method: RMO-3008									Batch: C_R93504
Sample ID: C07110759-004HMS	Sample Matrix Spike				Run: SUB-C93504				11/20/07 13:30
Polonium 210	180	pCi/L	1.0	81	70	130			
Sample ID: C07110759-004HMSD	Sample Matrix Spike Duplicate				Run: SUB-C93504				11/20/07 13:30
Polonium 210	170	pCi/L	1.0	76	70	130	6.2	30	
Sample ID: LCS-R93504	Laboratory Control Sample				Run: SUB-C93504				11/20/07 13:30
Polonium 210	17	pCi/L	1.0	77	70	130			
Sample ID: MB-R93504	Method Blank				Run: SUB-C93504				11/20/07 13:30
Polonium 210	ND	pCi/L	1						

Qualifiers:

RL - 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.

Company Name:	Project Name, PWS, Permit, Etc.	Sample Origin	EPA/State Compliance:
RESPEC	Powertech Dewey Burdock	State:	Yes ☐ No ☐
Report Mail Address:	**Contact Name:** Phone/Fax:	**Email:**	**Sampler: (Please Print)**
RESPEC	Cory.Foreman@respec.com 394 6400		Eric Krantz
Invoice Address:	**Invoice Contact & Phone:**	**Purchase Order:**	**Quote/Bottle Order:**
RESPEC			

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 W S V B O
Air Water Soils/Solids Vegetation Bioassay Other

ANALYSIS REQUESTED

As Per Quote

SEE ATTACHED

Normal Turnaround (TAT)

RUSH

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

Comments: GW

Shipped by:

Cooler ID(s):

Receipt Temp 4.2 °C ice

On Ice: Yes No

Custody Seal Y N
Intact Y N
Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX		
1	DEW BURD GW 628	11/14/07	10:59	W	Set 8	R07110184-001
2	Dew Burd GW 4002	11/14/07	11:45	W	Set 6	002
3	Dew Burd GW 629	11/14/07	13:45	W	Set 7	003
4	Dew Burd GW C51	11/14/07	15:20	W	Set 10	004
5						
6						
7						
8						
9						
10						

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by (print): Cory Foreman	Date/Time: 11/15/07 8:15	Signature: Eric Krantz	Received by (print): Cory Foreman	Date/Time: 11/15/07 8:15
Relinquished by (print): Cory Foreman	Date/Time: 11/15/07 10:15	Signature:	Received by (print):	Date/Time:
Sample Disposal: Return to Client: _____	Lab Disposal: _____		Received by Laboratory: Linda Larson	Date/Time: 11/15/07 1045

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.

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ANALYTICAL SUMMARY REPORT

February 05, 2008

Cory Foreman
RESPEC Inc
3824 Jet Dr
Rapid City, SD 57701-

Workorder No.: R07110303 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 8 samples from RESPEC Inc on 11/28/2007 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R07110303-001	DewBurdGW635	11/27/07 8:25	11/28/07	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved
R07110303-002	DewBurdGW676	11/27/07 12:20	11/28/07	Aqueous	Same As Above
R07110303-003	DewBurdGW678	11/27/07 13:40	11/28/07	Aqueous	Same As Above
R07110303-004	DewBurdGW677	11/27/07 15:20	11/28/07	Aqueous	Same As Above
R07110303-005	DewBurdGW08	11/27/07 16:30	11/28/07	Aqueous	Same As Above
R07110303-006	DewBurdGW08-2	11/27/07 16:40	11/28/07	Aqueous	Same As Above
R07110303-007	DewBurdGW675	11/27/07 17:34	11/28/07	Aqueous	Same As Above
R07110303-008	DewBurdGWBK02	11/28/07 11:00	11/28/07	Aqueous	Same As Above

Thank you for submitting your samples to Energy Laboratories, Inc. - Rapid City. The following pages contain the results of the sample tests listed above and applicable analytical notes.

The samples were analyzed in accordance with the methods specified on the analytical reports. All analyses were

accompanied by appropriate quality control samples throughout the test. Where applicable, the results of these quality control samples will be included, following your analytical data.

If you have any questions regarding the analyses performed or the results of these analyses, please contact Energy Laboratories Inc. - Rapid City at (605) 342-1225, (888) 672-1225 or Rapid_City@energylab.com.

Report Approved By: Linda Larson

Linda Larson

Rapid City - Project Manager

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110303-001
Client Sample ID: DewBurdGW635

Report Date: 02/04/08
Collection Date: 11/27/07 08:25
Date Received: 11/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	118	mg/L		5		1	A2320 B	12/11/07 18:10/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	12/11/07 18:10/sn
Bicarbonate as HCO3	144	mg/L		5		1	A2320 B	12/11/07 18:10/sn
Calcium	120	mg/L		0.5		1	E200.7	12/14/07 13:03/eli-c
Chloride	23	mg/L		1		5	E300.0	11/30/07 02:16/jmh
Fluoride	0.3	mg/L		0.1		1	E300.0	11/29/07 02:58/jmh
Magnesium	49.0	mg/L		0.5		1	E200.7	12/14/07 13:03/eli-c
Nitrogen, Ammonia as N	0.4	mg/L		0.1		1	A4500-NH3 G	12/04/07 16:07/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	11/29/07 02:58/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	11/29/07 02:58/jmh
Potassium	8.3	mg/L		0.5		1	E200.7	12/14/07 13:03/eli-c
Silica	9.0	mg/L		0.5		1	E200.7	12/14/07 13:03/eli-c
Sodium	480	mg/L	D	8		10	E200.7	12/14/07 18:06/eli-c
Sulfate	1370	mg/L	D	40		50	E300.0	11/29/07 02:42/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2830	umhos/cm		5.0		1	A2510 B	12/02/07 13:27/jmh
Oxidation-Reduction Potential	270	mV				1	A2580 B	11/29/07 00:00/sn
pH	7.64	s.u.		0.01		1	A4500-H B	12/02/07 13:50/jmh
Sodium Adsorption Ratio (SAR)	9.3	meq/L		0.10		1	Calculation	01/16/08 16:12/sec
Solids, Total Dissolved TDS @ 180 C	2300	mg/L		5		1	A2540 C	12/03/07 13:39/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		10	E200.8	12/07/07 17:25/eli-c
Arsenic	ND	mg/L		0.001		10	E200.8	12/07/07 17:25/eli-c
Barium	ND	mg/L		0.1		10	E200.8	12/07/07 17:25/eli-c
Boron	0.4	mg/L		0.1		1	E200.7	12/14/07 13:03/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	12/07/07 17:25/eli-c
Chromium	ND	mg/L		0.05		10	E200.8	12/07/07 17:25/eli-c
Copper	ND	mg/L		0.01		10	E200.8	12/07/07 17:25/eli-c
Iron	ND	mg/L		0.03		1	E200.7	12/14/07 13:03/eli-c
Lead	0.003	mg/L		0.001		10	E200.8	12/07/07 17:25/eli-c
Manganese	0.07	mg/L		0.01		10	E200.8	12/07/07 17:25/eli-c
Mercury	ND	mg/L		0.001		10	E200.8	12/07/07 17:25/eli-c
Molybdenum	ND	mg/L		0.1		10	E200.8	12/07/07 17:25/eli-c
Nickel	ND	mg/L		0.05		10	E200.8	12/07/07 17:25/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	12/18/07 15:54/eli-ca
Silver	ND	mg/L		0.005		10	E200.8	12/07/07 17:25/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110303-001
Client Sample ID: DewBurdGW635

Report Date: 02/04/08
Collection Date: 11/27/07 08:25
Date Received: 11/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		10	E200.8	12/07/07 17:25/eli-c
Uranium	0.0020	mg/L		0.0003		10	E200.8	12/07/07 17:25/eli-c
Vanadium	ND	mg/L		0.1		10	E200.8	12/07/07 17:25/eli-c
Zinc	0.02	mg/L		0.01		10	E200.8	12/07/07 17:25/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	12/13/07 01:29/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.001		10	E200.8	12/10/07 21:26/eli-c
METALS - SPECIATED								
Selenium-IV	0.001	mg/L		0.001		1	A3114 B	12/20/07 11:23/eli-ca
Selenium-VI	ND	mg/L		0.001		1	A3114 B	12/20/07 00:00/eli-ca
RADIONUCLIDES - DISSOLVED								
Gross Alpha	4.4	pCi/L		1.0		1	E900.0	12/17/07 22:28/eli-c
Gross Alpha precision (±)	1.7	pCi/L				1	E900.0	12/17/07 22:28/eli-c
Gross Beta	6.3	pCi/L		2.0		1	E900.0	12/17/07 22:28/eli-c
Gross Beta precision (±)	4.7	pCi/L				1	E900.0	12/17/07 22:28/eli-c
Lead 210	1.7	pCi/L		1.0		1	E909.0M	12/10/07 07:15/eli-c
Lead 210 precision (±)	0.60	pCi/L				1	E909.0M	12/10/07 07:15/eli-c
Polonium 210	1.9	pCi/L		1.0		1	RMO-3008	12/10/07 12:00/eli-c
Polonium 210 precision (±)	1.5	pCi/L				1	RMO-3008	12/10/07 12:00/eli-c
Radium 226	0.8	pCi/L		0.2		1	E903.0	12/17/07 12:35/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	12/17/07 12:35/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/10/07 14:00/eli-c
Gross Gamma	1000	pCi/L		20		1	E901.1	12/05/07 10:50/eli-c
Gross Gamma precision (±)	180	pCi/L				1	E901.1	12/05/07 10:50/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	5.1	pCi/L		1.0		1	E909.0M	12/12/07 07:00/eli-c
Lead 210 precision (±)	1.5	pCi/L				1	E909.0M	12/12/07 07:00/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	12/12/07 12:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/17/07 18:37/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/11/07 14:35/eli-c
RADIONUCLIDES - TOTAL								

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110303-001
Client Sample ID: DewBurdGW635

Report Date: 02/04/08
Collection Date: 11/27/07 08:25
Date Received: 11/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - TOTAL								
Radon 222	902	pCi/L		100		1	D5072-92	11/30/07 07:34/eli-c
Radon 222 precision (±)	67.7	pCi/L				1	D5072-92	11/30/07 07:34/eli-c
DATA QUALITY								
A/C Balance (± 5)	-0.831	%				1	A1030 E	01/16/08 16:41/sec
Anions	31.6	meq/L				1	A1030 E	01/16/08 16:41/sec
Cations	31.1	meq/L				1	A1030 E	01/16/08 16:41/sec
Solids, Total Dissolved Calculated	2120	mg/L				1	A1030 E	01/16/08 16:41/sec
TDS Balance (0.80 - 1.20)	1.08	dec. %				1	A1030 E	01/16/08 16:41/sec

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110303-002
Client Sample ID: DewBurdGW676

Report Date: 02/04/08
Collection Date: 11/27/07 12:20
Date Received: 11/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	228	mg/L		5		1	A2320 B	12/11/07 18:12/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	12/11/07 18:12/sn
Bicarbonate as HCO3	278	mg/L		5		1	A2320 B	12/11/07 18:12/sn
Calcium	514	mg/L	D	1		10	E200.7	12/14/07 18:09/eli-c
Chloride	16	mg/L		1		1	E300.0	11/29/07 04:02/jmh
Fluoride	0.2	mg/L		0.1		1	E300.0	11/29/07 04:02/jmh
Magnesium	113	mg/L		0.5		1	E200.7	12/14/07 13:07/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	12/04/07 16:09/sn
Nitrogen, Nitrate as N	1.0	mg/L		0.1		1	E300.0	11/29/07 04:02/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	11/29/07 04:02/jmh
Potassium	12.3	mg/L		0.5		1	E200.7	12/14/07 13:07/eli-c
Silica	14.4	mg/L		0.5		1	E200.7	12/14/07 13:07/eli-c
Sodium	88.8	mg/L	D	0.8		1	E200.7	12/14/07 13:07/eli-c
Sulfate	1720	mg/L	D	40		50	E300.0	11/29/07 03:14/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2860	umhos/cm		5.0		1	A2510 B	12/02/07 13:28/jmh
Oxidation-Reduction Potential	250	mV				1	A2580 B	11/29/07 00:00/sn
pH	7.17	s.u.		0.01		1	A4500-H B	12/02/07 13:51/jmh
Sodium Adsorption Ratio (SAR)	0.92	meq/L		0.10		1	Calculation	01/16/08 16:12/sec
Solids, Total Dissolved TDS @ 180 C	2900	mg/L		5		1	A2540 C	12/03/07 13:40/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		10	E200.8	12/07/07 17:31/eli-c
Arsenic	ND	mg/L		0.001		10	E200.8	12/07/07 17:31/eli-c
Barium	ND	mg/L		0.1		10	E200.8	12/07/07 17:31/eli-c
Boron	0.4	mg/L		0.1		1	E200.7	12/14/07 13:07/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	12/07/07 17:31/eli-c
Chromium	ND	mg/L		0.05		10	E200.8	12/07/07 17:31/eli-c
Copper	ND	mg/L		0.01		10	E200.8	12/07/07 17:31/eli-c
Iron	ND	mg/L		0.03		1	E200.7	12/14/07 13:07/eli-c
Lead	ND	mg/L		0.001		10	E200.8	12/07/07 17:31/eli-c
Manganese	ND	mg/L		0.01		10	E200.8	12/07/07 17:31/eli-c
Mercury	ND	mg/L		0.001		10	E200.8	12/07/07 17:31/eli-c
Molybdenum	ND	mg/L		0.1		10	E200.8	12/07/07 17:31/eli-c
Nickel	ND	mg/L		0.05		10	E200.8	12/07/07 17:31/eli-c
Selenium	0.014	mg/L		0.001		1	A3114 B	12/18/07 15:56/eli-ca
Silver	ND	mg/L		0.005		10	E200.8	12/07/07 17:31/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110303-002
Client Sample ID: DewBurdGW676

Report Date: 02/04/08
Collection Date: 11/27/07 12:20
Date Received: 11/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		10	E200.8	12/07/07 17:31/eli-c
Uranium	0.0548	mg/L		0.0003		10	E200.8	12/07/07 17:31/eli-c
Vanadium	ND	mg/L		0.1		10	E200.8	12/07/07 17:31/eli-c
Zinc	0.03	mg/L		0.01		10	E200.8	12/07/07 17:31/eli-c
METALS - SUSPENDED								
Uranium	0.0011	mg/L		0.0003		1	E200.8	12/13/07 01:33/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.001		10	E200.8	12/10/07 21:33/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	12/20/07 11:25/eli-ca
Selenium-VI	0.014	mg/L		0.001		1	A3114 B	12/20/07 00:00/eli-ca
RADIONUCLIDES - DISSOLVED								
Gross Alpha	31.9	pCi/L		1.0		1	E900.0	12/17/07 22:28/eli-c
Gross Alpha precision (±)	2.3	pCi/L				1	E900.0	12/17/07 22:28/eli-c
Gross Beta	21.6	pCi/L		2.0		1	E900.0	12/17/07 22:28/eli-c
Gross Beta precision (±)	5.0	pCi/L				1	E900.0	12/17/07 22:28/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/10/07 07:15/eli-c
Polonium 210	1.2	pCi/L		1.0		1	RMO-3008	12/10/07 12:00/eli-c
Polonium 210 precision (±)	1.1	pCi/L				1	RMO-3008	12/10/07 12:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/17/07 12:35/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/10/07 14:00/eli-c
Gross Gamma	1000	pCi/L		20		1	E901.1	12/05/07 10:50/eli-c
Gross Gamma precision (±)	200	pCi/L				1	E901.1	12/05/07 10:50/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/12/07 07:00/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	12/12/07 12:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/17/07 18:37/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/11/07 14:35/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	453	pCi/L		100		1	D5072-92	11/30/07 07:34/eli-c
Radon 222 precision (±)	60.5	pCi/L				1	D5072-92	11/30/07 07:34/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110303-002
Client Sample ID: DewBurdGW676

Report Date: 02/04/08
Collection Date: 11/27/07 12:20
Date Received: 11/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
A/C Balance (± 5)	-2.19	%				1	A1030 E	01/16/08 16:42/sec
Anions	40.9	meq/L				1	A1030 E	01/16/08 16:42/sec
Cations	39.1	meq/L				1	A1030 E	01/16/08 16:42/sec
Solids, Total Dissolved Calculated	2600	mg/L				1	A1030 E	01/16/08 16:42/sec
TDS Balance (0.80 - 1.20)	1.12	dec. %				1	A1030 E	01/16/08 16:42/sec

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110303-003
Client Sample ID: DewBurdGW678

Report Date: 02/04/08
Collection Date: 11/27/07 13:40
Date Received: 11/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	480	mg/L		5		1	A2320 B	12/11/07 18:16/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	12/11/07 18:16/sn
Bicarbonate as HCO3	585	mg/L		5		1	A2320 B	12/11/07 18:16/sn
Calcium	422	mg/L	D	1		10	E200.7	12/14/07 18:12/eli-c
Chloride	61	mg/L	D	2		50	E300.0	11/29/07 04:18/jmh
Fluoride	0.9	mg/L		0.1		1	E300.0	11/29/07 05:06/jmh
Magnesium	434	mg/L		0.5		10	E200.7	12/14/07 18:12/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	12/04/07 16:10/sn
Nitrogen, Nitrate as N	0.2	mg/L		0.1		1	E300.0	11/29/07 05:06/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	11/29/07 05:06/jmh
Potassium	20.1	mg/L		0.5		1	E200.7	12/14/07 13:10/eli-c
Silica	15.4	mg/L		0.5		1	E200.7	12/14/07 13:10/eli-c
Sodium	609	mg/L	D	8		10	E200.7	12/14/07 18:12/eli-c
Sulfate	3440	mg/L	D	40		50	E300.0	11/29/07 04:18/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	5780	umhos/cm		5.0		1	A2510 B	12/02/07 13:29/jmh
Oxidation-Reduction Potential	210	mV				1	A2580 B	11/29/07 00:00/sn
pH	7.42	s.u.		0.01		1	A4500-H B	12/02/07 13:52/jmh
Sodium Adsorption Ratio (SAR)	5.0	meq/L		0.10		1	Calculation	01/16/08 16:12/sec
Solids, Total Dissolved TDS @ 180 C	6100	mg/L		5		1	A2540 C	12/03/07 13:43/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		10	E200.8	12/07/07 17:38/eli-c
Arsenic	ND	mg/L		0.001		10	E200.8	12/07/07 17:38/eli-c
Barium	ND	mg/L		0.1		10	E200.8	12/07/07 17:38/eli-c
Boron	1.4	mg/L		0.1		1	E200.7	12/14/07 13:10/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	12/07/07 17:38/eli-c
Chromium	ND	mg/L		0.05		10	E200.8	12/07/07 17:38/eli-c
Copper	ND	mg/L		0.01		10	E200.8	12/07/07 17:38/eli-c
Iron	ND	mg/L		0.03		1	E200.7	12/14/07 13:10/eli-c
Lead	ND	mg/L		0.001		10	E200.8	12/07/07 17:38/eli-c
Manganese	3.31	mg/L		0.01		10	E200.8	12/07/07 17:38/eli-c
Mercury	ND	mg/L		0.001		10	E200.8	12/07/07 17:38/eli-c
Molybdenum	ND	mg/L		0.1		10	E200.8	12/07/07 17:38/eli-c
Nickel	ND	mg/L		0.05		10	E200.8	12/07/07 17:38/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	12/18/07 15:58/eli-ca
Silver	ND	mg/L		0.005		10	E200.8	12/07/07 17:38/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110303-003
Client Sample ID: DewBurdGW678

Report Date: 02/04/08
Collection Date: 11/27/07 13:40
Date Received: 11/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		10	E200.8	12/07/07 17:38/eli-c
Uranium	0.0349	mg/L		0.0003		10	E200.8	12/07/07 17:38/eli-c
Vanadium	ND	mg/L		0.1		10	E200.8	12/07/07 17:38/eli-c
Zinc	0.01	mg/L		0.01		10	E200.8	12/07/07 17:38/eli-c
METALS - SUSPENDED								
Uranium	0.0008	mg/L		0.0003		1	E200.8	12/13/07 01:37/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.001		10	E200.8	12/10/07 21:39/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	12/20/07 11:27/eli-ca
Selenium-VI	ND	mg/L		0.001		1	A3114 B	12/20/07 00:00/eli-ca
RADIONUCLIDES - DISSOLVED								
Gross Alpha	18.9	pCi/L		1.0		1	E900.0	12/17/07 22:28/eli-c
Gross Alpha precision (±)	5.3	pCi/L				1	E900.0	12/17/07 22:28/eli-c
Gross Beta	35.3	pCi/L		2.0		1	E900.0	12/17/07 22:28/eli-c
Gross Beta precision (±)	14.4	pCi/L				1	E900.0	12/17/07 22:28/eli-c
Lead 210	4.0	pCi/L		1.0		1	E909.0M	12/10/07 07:15/eli-c
Lead 210 precision (±)	0.90	pCi/L				1	E909.0M	12/10/07 07:15/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	12/10/07 12:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/17/07 12:35/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/10/07 14:00/eli-c
Gross Gamma	1100	pCi/L		20		1	E901.1	12/05/07 10:50/eli-c
Gross Gamma precision (±)	170	pCi/L				1	E901.1	12/05/07 10:50/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/12/07 07:00/eli-c
Polonium 210	1.3	pCi/L		1.0		1	RMO-3008	12/12/07 12:00/eli-c
Polonium 210 precision (±)	0.69	pCi/L				1	RMO-3008	12/12/07 12:00/eli-c
Radium 226	0.7	pCi/L		0.2		1	E903.0	12/17/07 18:37/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	12/17/07 18:37/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/11/07 14:35/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	391	pCi/L		100		1	D5072-92	11/30/07 07:34/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110303-003
Client Sample ID: DewBurdGW678

Report Date: 02/04/08
Collection Date: 11/27/07 13:40
Date Received: 11/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - TOTAL								
Radon 222 precision (±)	59.2	pCi/L				1	D5072-92	11/30/07 07:34/eli-c
DATA QUALITY								
A/C Balance (± 5)	0.551	%				1	A1030 E	01/16/08 16:43/sec
Anions	83.1	meq/L				1	A1030 E	01/16/08 16:43/sec
Cations	84.0	meq/L				1	A1030 E	01/16/08 16:43/sec
Solids, Total Dissolved Calculated	5280	mg/L				1	A1030 E	01/16/08 16:43/sec
TDS Balance (0.80 - 1.20)	1.16	dec. %				1	A1030 E	01/16/08 16:43/sec

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110303-004
Client Sample ID: DewBurdGW677

Report Date: 02/04/08
Collection Date: 11/27/07 15:20
Date Received: 11/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	482	mg/L		5		1	A2320 B	12/11/07 18:19/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	12/11/07 18:19/sn
Bicarbonate as HCO3	588	mg/L		5		1	A2320 B	12/11/07 18:19/sn
Calcium	454	mg/L	D	1		10	E200.7	12/14/07 18:15/eli-c
Chloride	1780	mg/L	D	4		100	E300.0	11/30/07 02:31/jmh
Fluoride	0.1	mg/L		0.1		1	E300.0	11/29/07 05:37/jmh
Magnesium	395	mg/L		0.5		10	E200.7	12/14/07 18:15/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	12/04/07 16:11/sn
Nitrogen, Nitrate as N	0.2	mg/L		0.1		1	E300.0	11/29/07 05:37/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	11/29/07 05:37/jmh
Potassium	11.0	mg/L		0.5		1	E200.7	12/14/07 13:13/eli-c
Silica	10	mg/L		0.5		1	E200.7	12/14/07 13:13/eli-c
Sodium	1880	mg/L	D	8		10	E200.7	12/14/07 18:15/eli-c
Sulfate	4590	mg/L	D	40		50	E300.0	11/29/07 05:22/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	10800	umhos/cm		5.0		1	A2510 B	12/02/07 13:30/jmh
Oxidation-Reduction Potential	200	mV				1	A2580 B	11/29/07 00:00/sn
pH	7.14	s.u.		0.01		1	A4500-H B	12/02/07 13:52/jmh
Sodium Adsorption Ratio (SAR)	16	meq/L		0.10		1	Calculation	01/16/08 16:12/sec
Solids, Total Dissolved TDS @ 180 C	9700	mg/L		5		1	A2540 C	12/03/07 13:45/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		10	E200.8	12/07/07 17:45/eli-c
Arsenic	ND	mg/L		0.001		10	E200.8	12/07/07 17:45/eli-c
Barium	ND	mg/L		0.1		10	E200.8	12/07/07 17:45/eli-c
Boron	0.8	mg/L		0.1		1	E200.7	12/14/07 13:13/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	12/07/07 17:45/eli-c
Chromium	ND	mg/L		0.05		10	E200.8	12/07/07 17:45/eli-c
Copper	ND	mg/L		0.01		10	E200.8	12/07/07 17:45/eli-c
Iron	ND	mg/L		0.03		1	E200.7	12/14/07 13:13/eli-c
Lead	ND	mg/L		0.001		10	E200.8	12/07/07 17:45/eli-c
Manganese	2.55	mg/L		0.01		10	E200.8	12/07/07 17:45/eli-c
Mercury	ND	mg/L		0.001		10	E200.8	12/07/07 17:45/eli-c
Molybdenum	ND	mg/L		0.1		10	E200.8	12/07/07 17:45/eli-c
Nickel	ND	mg/L		0.05		10	E200.8	12/07/07 17:45/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	12/18/07 16:00/eli-ca
Silver	ND	mg/L		0.005		10	E200.8	12/07/07 17:45/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110303-004
Client Sample ID: DewBurdGW677

Report Date: 02/04/08
Collection Date: 11/27/07 15:20
Date Received: 11/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		10	E200.8	12/07/07 17:45/eli-c
Uranium	0.0443	mg/L		0.0003		10	E200.8	12/07/07 17:45/eli-c
Vanadium	ND	mg/L		0.1		10	E200.8	12/07/07 17:45/eli-c
Zinc	0.02	mg/L		0.01		10	E200.8	12/07/07 17:45/eli-c
METALS - SUSPENDED								
Uranium	0.0049	mg/L		0.0003		1	E200.8	12/13/07 01:50/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.001		10	E200.8	12/10/07 21:46/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	12/20/07 11:29/eli-ca
Selenium-VI	ND	mg/L		0.001		1	A3114 B	12/20/07 00:00/eli-ca
RADIONUCLIDES - DISSOLVED								
Gross Alpha	38.7	pCi/L		1.0		1	E900.0	12/17/07 22:28/eli-c
Gross Alpha precision (±)	5.4	pCi/L				1	E900.0	12/17/07 22:28/eli-c
Gross Beta	ND	pCi/L		2.0		1	E900.0	12/17/07 22:28/eli-c
Lead 210	1.1	pCi/L		1.0		1	E909.0M	12/10/07 07:15/eli-c
Lead 210 precision (±)	0.50	pCi/L				1	E909.0M	12/10/07 07:15/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	12/10/07 12:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/17/07 12:35/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/10/07 14:00/eli-c
Gross Gamma	1000	pCi/L		20		1	E901.1	12/05/07 10:50/eli-c
Gross Gamma precision (±)	170	pCi/L				1	E901.1	12/05/07 10:50/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/12/07 07:00/eli-c
Polonium 210	2.5	pCi/L		1.0		1	RMO-3008	12/12/07 12:00/eli-c
Polonium 210 precision (±)	0.93	pCi/L				1	RMO-3008	12/12/07 12:00/eli-c
Radium 226	2.7	pCi/L		0.2		1	E903.0	12/17/07 18:37/eli-c
Radium 226 precision (±)	0.6	pCi/L				1	E903.0	12/17/07 18:37/eli-c
Thorium 230	2.2	pCi/L		0.2		1	E907.0	12/11/07 14:35/eli-c
Thorium 230 precision (±)	0.5	pCi/L				1	E907.0	12/11/07 14:35/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	892	pCi/L		100		1	D5072-92	11/30/07 07:34/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110303-004
Client Sample ID: DewBurdGW677

Report Date: 02/04/08
Collection Date: 11/27/07 15:20
Date Received: 11/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - TOTAL								
Radon 222 precision (±)	64.6	pCi/L				1	D5072-92	11/30/07 07:34/eli-c
DATA QUALITY								
A/C Balance (± 5)	-3.76	%				1	A1030 E	01/16/08 16:45/sec
Anions	148	meq/L				1	A1030 E	01/16/08 16:45/sec
Cations	138	meq/L				1	A1030 E	01/16/08 16:45/sec
Solids, Total Dissolved Calculated	9070	mg/L				1	A1030 E	01/16/08 16:45/sec
TDS Balance (0.80 - 1.20)	1.07	dec. %				1	A1030 E	01/16/08 16:45/sec

- Ion Balance achieved using Sulfate from E200.7.

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110303-005
Client Sample ID: DewBurdGW08

Report Date: 02/04/08
Collection Date: 11/27/07 16:30
Date Received: 11/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	178	mg/L		5		1	A2320 B	12/11/07 18:21/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	12/11/07 18:21/sn
Bicarbonate as HCO3	217	mg/L		5		1	A2320 B	12/11/07 18:21/sn
Calcium	56.4	mg/L		0.5		1	E200.7	12/14/07 13:17/eli-c
Chloride	12	mg/L		1		1	E300.0	11/29/07 06:09/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	11/29/07 06:09/jmh
Magnesium	24.6	mg/L		0.5		1	E200.7	12/14/07 13:17/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	12/04/07 16:12/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	11/29/07 06:09/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	11/29/07 06:09/jmh
Potassium	15.7	mg/L		0.5		1	E200.7	12/14/07 13:17/eli-c
Silica	6.7	mg/L		0.5		1	E200.7	12/14/07 13:17/eli-c
Sodium	199	mg/L	D	0.8		1	E200.7	12/14/07 13:17/eli-c
Sulfate	594	mg/L	D	40		50	E300.0	11/29/07 05:53/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1420	umhos/cm		5.0		1	A2510 B	12/02/07 13:31/jmh
Oxidation-Reduction Potential	150	mV				1	A2580 B	11/29/07 00:00/sn
pH	7.95	s.u.		0.01		1	A4500-H B	12/02/07 13:53/jmh
Sodium Adsorption Ratio (SAR)	5.6	meq/L		0.10		1	Calculation	01/16/08 16:12/sec
Solids, Total Dissolved TDS @ 180 C	1000	mg/L		5		1	A2540 C	12/03/07 13:46/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		10	E200.8	12/07/07 18:12/eli-c
Arsenic	ND	mg/L		0.001		10	E200.8	12/07/07 18:12/eli-c
Barium	ND	mg/L		0.1		10	E200.8	12/07/07 18:12/eli-c
Boron	ND	mg/L		0.1		1	E200.7	12/14/07 13:17/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	12/07/07 18:12/eli-c
Chromium	ND	mg/L		0.05		10	E200.8	12/07/07 18:12/eli-c
Copper	ND	mg/L		0.01		10	E200.8	12/07/07 18:12/eli-c
Iron	ND	mg/L		0.03		1	E200.7	12/14/07 13:17/eli-c
Lead	ND	mg/L		0.001		10	E200.8	12/07/07 18:12/eli-c
Manganese	0.11	mg/L		0.01		10	E200.8	12/07/07 18:12/eli-c
Mercury	ND	mg/L		0.001		10	E200.8	12/07/07 18:12/eli-c
Molybdenum	ND	mg/L		0.1		10	E200.8	12/07/07 18:12/eli-c
Nickel	ND	mg/L		0.05		10	E200.8	12/07/07 18:12/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	12/18/07 16:02/eli-ca
Silver	ND	mg/L		0.005		10	E200.8	12/07/07 18:12/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110303-005
Client Sample ID: DewBurdGW08

Report Date: 02/04/08
Collection Date: 11/27/07 16:30
Date Received: 11/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		10	E200.8	12/07/07 18:12/eli-c
Uranium	0.0003	mg/L		0.0003		10	E200.8	12/07/07 18:12/eli-c
Vanadium	ND	mg/L		0.1		10	E200.8	12/07/07 18:12/eli-c
Zinc	0.02	mg/L		0.01		10	E200.8	12/07/07 18:12/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	12/13/07 01:54/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.001		10	E200.8	12/10/07 21:53/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	12/20/07 11:31/eli-ca
Selenium-VI	ND	mg/L		0.001		1	A3114 B	12/20/07 00:00/eli-ca
RADIONUCLIDES - DISSOLVED								
Gross Alpha	8.7	pCi/L		1.0		1	E900.0	12/17/07 22:28/eli-c
Gross Alpha precision (±)	1.1	pCi/L				1	E900.0	12/17/07 22:28/eli-c
Gross Beta	25.0	pCi/L		2.0		1	E900.0	12/17/07 22:28/eli-c
Gross Beta precision (±)	2.7	pCi/L				1	E900.0	12/17/07 22:28/eli-c
Lead 210	4.0	pCi/L		1.0		1	E909.0M	12/10/07 07:15/eli-c
Lead 210 precision (±)	0.90	pCi/L				1	E909.0M	12/10/07 07:15/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	12/10/07 12:00/eli-c
Radium 226	2.7	pCi/L		0.2		1	E903.0	12/17/07 12:35/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	12/17/07 12:35/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/10/07 14:00/eli-c
Gross Gamma	970	pCi/L		20		1	E901.1	12/05/07 10:50/eli-c
Gross Gamma precision (±)	180	pCi/L				1	E901.1	12/05/07 10:50/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/12/07 07:00/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	12/12/07 12:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/18/07 09:05/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/11/07 14:35/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	123	pCi/L		100		1	D5072-92	11/30/07 07:34/eli-c
Radon 222 precision (±)	54.5	pCi/L				1	D5072-92	11/30/07 07:34/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110303-005
Client Sample ID: DewBurdGW08

Report Date: 02/04/08
Collection Date: 11/27/07 16:30
Date Received: 11/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
A/C Balance (± 5)	-3.23	%				1	A1030 E	01/16/08 16:48/sec
Anions	14.8	meq/L				1	A1030 E	01/16/08 16:48/sec
Cations	13.9	meq/L				1	A1030 E	01/16/08 16:48/sec
Solids, Total Dissolved Calculated	939	mg/L				1	A1030 E	01/16/08 16:48/sec
TDS Balance (0.80 - 1.20)	1.12	dec. %				1	A1030 E	01/16/08 16:48/sec

- Ion Balance achieved using Sulfate from E200.7.

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110303-006
Client Sample ID: DewBurdGW08-2

Report Date: 02/04/08
Collection Date: 11/27/07 16:40
Date Received: 11/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	156	mg/L		5		1	A2320 B	12/11/07 18:23/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	12/11/07 18:23/sn
Bicarbonate as HCO3	190	mg/L		5		1	A2320 B	12/11/07 18:23/sn
Calcium	55.1	mg/L		0.5		1	E200.7	12/14/07 13:20/eli-c
Chloride	12	mg/L		1		1	E300.0	11/29/07 07:13/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	11/29/07 07:13/jmh
Magnesium	24.5	mg/L		0.5		1	E200.7	12/14/07 13:20/eli-c
Nitrogen, Ammonia as N	0.3	mg/L		0.1		1	A4500-NH3 G	12/04/07 16:13/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	11/29/07 07:13/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	11/29/07 07:13/jmh
Potassium	15.2	mg/L		0.5		1	E200.7	12/14/07 13:20/eli-c
Silica	6.6	mg/L		0.5		1	E200.7	12/14/07 13:20/eli-c
Sodium	201	mg/L	D	0.8		1	E200.7	12/14/07 13:20/eli-c
Sulfate	570	mg/L	D	40		50	E300.0	11/29/07 06:25/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1420	umhos/cm		5.0		1	A2510 B	12/02/07 13:32/jmh
Oxidation-Reduction Potential	150	mV				1	A2580 B	11/29/07 00:00/sn
pH	7.94	s.u.		0.01		1	A4500-H B	12/02/07 13:54/jmh
Sodium Adsorption Ratio (SAR)	5.7	meq/L		0.10		1	Calculation	01/16/08 16:12/sec
Solids, Total Dissolved TDS @ 180 C	1100	mg/L		5		1	A2540 C	12/03/07 13:47/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		10	E200.8	12/07/07 18:19/eli-c
Arsenic	ND	mg/L		0.001		10	E200.8	12/07/07 18:19/eli-c
Barium	ND	mg/L		0.1		10	E200.8	12/07/07 18:19/eli-c
Boron	ND	mg/L		0.1		1	E200.7	12/14/07 13:20/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	12/07/07 18:19/eli-c
Chromium	ND	mg/L		0.05		10	E200.8	12/07/07 18:19/eli-c
Copper	ND	mg/L		0.01		10	E200.8	12/07/07 18:19/eli-c
Iron	ND	mg/L		0.03		1	E200.7	12/14/07 13:20/eli-c
Lead	ND	mg/L		0.001		10	E200.8	12/07/07 18:19/eli-c
Manganese	0.11	mg/L		0.01		10	E200.8	12/07/07 18:19/eli-c
Mercury	ND	mg/L		0.001		10	E200.8	12/07/07 18:19/eli-c
Molybdenum	ND	mg/L		0.1		10	E200.8	12/07/07 18:19/eli-c
Nickel	ND	mg/L		0.05		10	E200.8	12/07/07 18:19/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	12/18/07 16:04/eli-ca
Silver	ND	mg/L		0.005		10	E200.8	12/07/07 18:19/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110303-006
Client Sample ID: DewBurdGW08-2

Report Date: 02/04/08
Collection Date: 11/27/07 16:40
Date Received: 11/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		10	E200.8	12/07/07 18:19/eli-c
Uranium	ND	mg/L		0.0003		10	E200.8	12/07/07 18:19/eli-c
Vanadium	ND	mg/L		0.1		10	E200.8	12/07/07 18:19/eli-c
Zinc	0.01	mg/L		0.01		10	E200.8	12/07/07 18:19/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	12/13/07 01:58/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.001		10	E200.8	12/10/07 22:00/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	12/20/07 11:33/eli-ca
Selenium-VI	ND	mg/L		0.001		1	A3114 B	12/20/07 00:00/eli-ca
RADIONUCLIDES - DISSOLVED								
Gross Alpha	9.0	pCi/L		1.0		1	E900.0	12/17/07 22:28/eli-c
Gross Alpha precision (±)	1.1	pCi/L				1	E900.0	12/17/07 22:28/eli-c
Gross Beta	29.1	pCi/L		2.0		1	E900.0	12/17/07 22:28/eli-c
Gross Beta precision (±)	2.8	pCi/L				1	E900.0	12/17/07 22:28/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/10/07 07:15/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	12/10/07 12:00/eli-c
Radium 226	1.9	pCi/L		0.2		1	E903.0	12/17/07 12:35/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	12/17/07 12:35/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/10/07 14:00/eli-c
Gross Gamma	1200	pCi/L		20		1	E901.1	12/05/07 10:50/eli-c
Gross Gamma precision (±)	200	pCi/L				1	E901.1	12/05/07 10:50/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/12/07 07:00/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	12/12/07 12:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/18/07 09:05/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/11/07 14:35/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	197	pCi/L		100		1	D5072-92	11/30/07 07:34/eli-c
Radon 222 precision (±)	55.4	pCi/L				1	D5072-92	11/30/07 07:34/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110303-006
Client Sample ID: DewBurdGW08-2

Report Date: 02/04/08
Collection Date: 11/27/07 16:40
Date Received: 11/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
A/C Balance (± 5)	-4.83	%				1	A1030 E	01/16/08 16:48/sec
Anions	15.4	meq/L				1	A1030 E	01/16/08 16:48/sec
Cations	13.9	meq/L				1	A1030 E	01/16/08 16:48/sec
Solids, Total Dissolved Calculated	973	mg/L				1	A1030 E	01/16/08 16:48/sec
TDS Balance (0.80 - 1.20)	1.09	dec. %				1	A1030 E	01/16/08 16:48/sec

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110303-007
Client Sample ID: DewBurdGW675

Report Date: 02/04/08
Collection Date: 11/27/07 17:34
Date Received: 11/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	352	mg/L		5		1	A2320 B	12/11/07 18:25/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	12/11/07 18:25/sn
Bicarbonate as HCO3	429	mg/L		5		1	A2320 B	12/11/07 18:25/sn
Calcium	410	mg/L	D	1		10	E200.7	12/14/07 18:25/eli-c
Chloride	60	mg/L	D	2		50	E300.0	11/29/07 07:29/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	11/29/07 08:17/jmh
Magnesium	362	mg/L		0.5		10	E200.7	12/14/07 18:25/eli-c
Nitrogen, Ammonia as N	0.5	mg/L		0.1		1	A4500-NH3 G	12/04/07 16:15/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	11/29/07 08:17/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	11/29/07 08:17/jmh
Potassium	25.2	mg/L		0.5		1	E200.7	12/14/07 13:23/eli-c
Silica	14.9	mg/L		0.5		1	E200.7	12/14/07 13:23/eli-c
Sodium	713	mg/L	D	8		10	E200.7	12/14/07 18:25/eli-c
Sulfate	3420	mg/L	D	40		50	E300.0	11/29/07 07:29/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	5830	umhos/cm		5.0		1	A2510 B	12/02/07 13:33/jmh
Oxidation-Reduction Potential	220	mV				1	A2580 B	11/29/07 00:00/sn
pH	7.32	s.u.		0.01		1	A4500-H B	12/02/07 13:54/jmh
Sodium Adsorption Ratio (SAR)	6.2	meq/L		0.10		1	Calculation	01/16/08 16:12/sec
Solids, Total Dissolved TDS @ 180 C	6100	mg/L		5		1	A2540 C	12/03/07 13:49/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		10	E200.8	12/07/07 18:39/eli-c
Arsenic	ND	mg/L		0.001		10	E200.8	12/07/07 18:39/eli-c
Barium	ND	mg/L		0.1		10	E200.8	12/07/07 18:39/eli-c
Boron	0.3	mg/L		0.1		1	E200.7	12/14/07 13:23/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	12/07/07 18:39/eli-c
Chromium	ND	mg/L		0.05		10	E200.8	12/07/07 18:39/eli-c
Copper	ND	mg/L		0.01		10	E200.8	12/07/07 18:39/eli-c
Iron	0.05	mg/L		0.03		1	E200.7	12/14/07 13:23/eli-c
Lead	ND	mg/L		0.001		10	E200.8	12/07/07 18:39/eli-c
Manganese	3.14	mg/L		0.01		10	E200.8	12/07/07 18:39/eli-c
Mercury	ND	mg/L		0.001		10	E200.8	12/07/07 18:39/eli-c
Molybdenum	ND	mg/L		0.1		10	E200.8	12/07/07 18:39/eli-c
Nickel	ND	mg/L		0.05		10	E200.8	12/07/07 18:39/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	12/18/07 16:06/eli-ca
Silver	ND	mg/L		0.005		10	E200.8	12/07/07 18:39/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110303-007
Client Sample ID: DewBurdGW675

Report Date: 02/04/08
Collection Date: 11/27/07 17:34
Date Received: 11/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		10	E200.8	12/07/07 18:39/eli-c
Uranium	0.0307	mg/L		0.0003		10	E200.8	12/07/07 18:39/eli-c
Vanadium	ND	mg/L		0.1		10	E200.8	12/07/07 18:39/eli-c
Zinc	0.02	mg/L		0.01		10	E200.8	12/07/07 18:39/eli-c
METALS - SUSPENDED								
Uranium	0.0030	mg/L		0.0003		1	E200.8	12/13/07 20:29/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.001		10	E200.8	12/10/07 22:20/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	12/20/07 11:35/eli-ca
Selenium-VI	ND	mg/L		0.001		1	A3114 B	12/20/07 00:00/eli-ca
RADIONUCLIDES - DISSOLVED								
Gross Alpha	18.3	pCi/L		1.0		1	E900.0	12/19/07 02:27/eli-c
Gross Alpha precision (±)	5.3	pCi/L				1	E900.0	12/19/07 02:27/eli-c
Gross Beta	ND	pCi/L		2.0		1	E900.0	12/19/07 02:27/eli-c
Lead 210	6.0	pCi/L		1.0		1	E909.0M	12/12/07 07:00/eli-c
Lead 210 precision (±)	1.5	pCi/L				1	E909.0M	12/12/07 07:00/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	12/10/07 12:00/eli-c
Radium 226	0.5	pCi/L		0.2		1	E903.0	12/17/07 16:18/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	12/17/07 16:18/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/20/07 14:15/eli-c
Gross Gamma	1100	pCi/L		20		1	E901.1	12/05/07 10:50/eli-c
Gross Gamma precision (±)	210	pCi/L				1	E901.1	12/05/07 10:50/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/13/07 08:00/eli-c
Polonium 210	2.0	pCi/L		1.0		1	RMO-3008	12/18/07 12:00/eli-c
Polonium 210 precision (±)	0.89	pCi/L				1	RMO-3008	12/18/07 12:00/eli-c
Radium 226	1.7	pCi/L		0.2		1	E903.0	12/19/07 11:19/eli-c
Radium 226 precision (±)	0.6	pCi/L				1	E903.0	12/19/07 11:19/eli-c
Thorium 230	1.3	pCi/L		0.2		1	E907.0	12/12/07 16:10/eli-c
Thorium 230 precision (±)	0.4	pCi/L				1	E907.0	12/12/07 16:10/eli-c
RADIONUCLIDES - TOTAL								

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110303-007
Client Sample ID: DewBurdGW675

Report Date: 02/04/08
Collection Date: 11/27/07 17:34
Date Received: 11/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - TOTAL								
Radon 222	712	pCi/L		100		1	D5072-92	11/30/07 07:34/eli-c
Radon 222 precision (±)	61.6	pCi/L				1	D5072-92	11/30/07 07:34/eli-c
DATA QUALITY								
A/C Balance (± 5)	1.35	%				1	A1030 E	01/16/08 16:49/sec
Anions	80.0	meq/L				1	A1030 E	01/16/08 16:49/sec
Cations	82.2	meq/L				1	A1030 E	01/16/08 16:49/sec
Solids, Total Dissolved Calculated	5200	mg/L				1	A1030 E	01/16/08 16:49/sec
TDS Balance (0.80 - 1.20)	1.17	dec. %				1	A1030 E	01/16/08 16:49/sec

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110303-008
Client Sample ID: DewBurdGWBK02

Report Date: 02/04/08
Collection Date: 11/28/07 11:00
Date Received: 11/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	ND	mg/L		5		1	A2320 B	12/11/07 18:27/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	12/11/07 18:27/sn
Bicarbonate as HCO3	ND	mg/L		5		1	A2320 B	12/11/07 18:27/sn
Calcium	ND	mg/L		0.5		1	E200.7	12/14/07 16:57/eli-c
Chloride	ND	mg/L		1		1	E300.0	11/29/07 08:33/jmh
Fluoride	ND	mg/L		0.1		1	E300.0	11/29/07 08:33/jmh
Magnesium	ND	mg/L		0.5		1	E200.7	12/14/07 16:57/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	12/04/07 16:16/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	11/29/07 08:33/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	11/29/07 08:33/jmh
Potassium	ND	mg/L		0.5		1	E200.7	12/14/07 16:57/eli-c
Silica	ND	mg/L		0.5		1	E200.7	12/14/07 16:57/eli-c
Sodium	1.3	mg/L	D	0.8		1	E200.7	12/14/07 16:57/eli-c
Sulfate	2	mg/L		1		1	E300.0	11/29/07 08:33/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	ND	umhos/cm		5.0		1	A2510 B	12/02/07 13:34/jmh
Oxidation-Reduction Potential	340	mV				1	A2580 B	11/29/07 00:00/sn
pH	5.63	s.u.		0.01		1	A4500-H B	12/02/07 13:59/jmh
Sodium Adsorption Ratio (SAR)	0.22	meq/L		0.10		1	Calculation	01/16/08 16:12/sec
Solids, Total Dissolved TDS @ 180 C	24	mg/L		5		1	A2540 C	12/03/07 13:50/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		10	E200.8	12/07/07 18:46/eli-c
Arsenic	ND	mg/L		0.001		10	E200.8	12/07/07 18:46/eli-c
Barium	ND	mg/L		0.1		10	E200.8	12/07/07 18:46/eli-c
Boron	ND	mg/L		0.1		1	E200.7	12/14/07 16:57/eli-c
Cadmium	ND	mg/L		0.005		10	E200.8	12/07/07 18:46/eli-c
Chromium	ND	mg/L		0.05		10	E200.8	12/07/07 18:46/eli-c
Copper	ND	mg/L		0.01		10	E200.8	12/07/07 18:46/eli-c
Iron	ND	mg/L		0.03		1	E200.7	12/14/07 16:57/eli-c
Lead	ND	mg/L		0.001		10	E200.8	12/07/07 18:46/eli-c
Manganese	ND	mg/L		0.01		10	E200.8	12/07/07 18:46/eli-c
Mercury	ND	mg/L		0.001		10	E200.8	12/07/07 18:46/eli-c
Molybdenum	ND	mg/L		0.1		10	E200.8	12/07/07 18:46/eli-c
Nickel	ND	mg/L		0.05		10	E200.8	12/07/07 18:46/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	12/18/07 16:08/eli-ca
Silver	0.005	mg/L		0.005		10	E200.8	12/07/07 18:46/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R07110303-008
Client Sample ID: DewBurdGWBK02

Report Date: 02/04/08
Collection Date: 11/28/07 11:00
Date Received: 11/28/07
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		10	E200.8	12/07/07 18:46/eli-c
Uranium	ND	mg/L		0.0003		10	E200.8	12/07/07 18:46/eli-c
Vanadium	ND	mg/L		0.1		10	E200.8	12/07/07 18:46/eli-c
Zinc	0.02	mg/L		0.01		10	E200.8	12/07/07 18:46/eli-c
METALS - SUSPENDED								
Uranium	0.0006	mg/L		0.0003		1	E200.8	12/13/07 02:02/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.001		10	E200.8	12/10/07 22:27/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	12/20/07 11:38/eli-ca
Selenium-VI	ND	mg/L		0.001		1	A3114 B	12/20/07 00:00/eli-ca
RADIONUCLIDES - DISSOLVED								
Gross Alpha	ND	pCi/L		1.0		1	E900.0	12/19/07 02:27/eli-c
Gross Beta	ND	pCi/L		2.0		1	E900.0	12/19/07 02:27/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/10/07 07:15/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	12/10/07 12:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/17/07 12:35/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/10/07 14:00/eli-c
Gross Gamma	1100	pCi/L		20		1	E901.1	12/05/07 10:50/eli-c
Gross Gamma precision (±)	180	pCi/L				1	E901.1	12/05/07 10:50/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	12/12/07 07:00/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	12/12/07 12:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	12/18/07 09:05/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	12/11/07 14:35/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	ND	pCi/L		100		1	D5072-92	11/30/07 07:34/eli-c
DATA QUALITY								
Anions	0.117	meq/L				1	A1030 E	01/16/08 16:50/sec
Cations	0.0574	meq/L				1	A1030 E	01/16/08 16:50/sec

- The Ion and TDS balances are not appropriate for near blank results.

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

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/04/08
Work Order: R07110303

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 071211A-ALK-SEL-W	
Sample ID: MBLK1_071211A	Method Blank				Run: PH_COND1-R_071211A			12/11/07 17:56	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Sample ID: LCS1_071211A	Laboratory Control Sample				Run: PH_COND1-R_071211A			12/11/07 17:57	
Alkalinity, Total as CaCO3	1010	mg/L	5.0	101	90	110			
Sample ID: R07110303-008AMS	Sample Matrix Spike				Run: PH_COND1-R_071211A			12/11/07 18:30	
Alkalinity, Total as CaCO3	16.0	mg/L	5.0	11	80	120			S
- S=Surrogate recovery outside QC advisory limits due to sample matrix interference.									
Sample ID: R07110303-008AMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_071211A			12/11/07 18:30	
Alkalinity, Total as CaCO3	18.0	mg/L	5.0	13	80	120	12	10	SR
- S=Surrogate recovery outside QC advisory limits due to sample matrix interference.									
Method: A2510 B								Batch: 071202_1_COND-PROBE-W	
Sample ID: LCS1-1_071202	Laboratory Control Sample				Run: PH_COND2-R_071202A			12/02/07 13:11	
Conductivity @ 25 C	152	umhos/cm	5.0	101	90	110			
Sample ID: LCS2-1_071202	Laboratory Control Sample				Run: PH_COND2-R_071202A			12/02/07 13:12	
Conductivity @ 25 C	5010	umhos/cm	5.0	100	90	110			
Sample ID: LCS_COND-1_071202	Laboratory Control Sample				Run: PH_COND2-R_071202A			12/02/07 13:13	
Conductivity @ 25 C	1410	umhos/cm	5.0	100	90	110			
Sample ID: MBLK-1_071202	Method Blank				Run: PH_COND2-R_071202A			12/02/07 13:13	
Conductivity @ 25 C	ND	umhos/cm	5						
Method: A2540 C								Batch: 071203A-SLDS-TDS-W	
Sample ID: MBLK1_071203A	Method Blank				Run: BAL-4-R_071203A			12/03/07 13:11	
Solids, Total Dissolved TDS @ 180 C	4	mg/L	3						
Sample ID: LCS1_071203A	Laboratory Control Sample				Run: BAL-4-R_071203A			12/03/07 13:12	
Solids, Total Dissolved TDS @ 180 C	220	mg/L	5.0	106	90	110			
Sample ID: R07110303-002AMS	Sample Matrix Spike				Run: BAL-4-R_071203A			12/03/07 13:42	
Solids, Total Dissolved TDS @ 180 C	3100	mg/L	5.0	88	80	120			
Sample ID: R07110303-002AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_071203A			12/03/07 13:43	
Solids, Total Dissolved TDS @ 180 C	3100	mg/L	5.0	102	80	120	0.9	10	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/04/08
Work Order: R07110303

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B									Batch: C_SE3114-071218A
Sample ID: MBLK	Method Blank				Run: SUB-C94455				12/18/07 15:35
Selenium	ND	mg/L	0.0004						
Sample ID: 288-7-2	Laboratory Control Sample				Run: SUB-C94455				12/18/07 15:39
Selenium	0.051	mg/L	0.0010	101	90	110			
Sample ID: R07110303-008E	Sample Matrix Spike				Run: SUB-C94455				12/18/07 16:19
Selenium	0.047	mg/L	0.0010	94	85	115			
Sample ID: R07110303-008E	Sample Matrix Spike Duplicate				Run: SUB-C94455				12/18/07 16:21
Selenium	0.047	mg/L	0.0010	93	85	115	1.1	10	
Method: A3114 B									Batch: C_SEIV3114-071220
Sample ID: MBLK	Method Blank				Run: SUB-C94561				12/20/07 11:19
Selenium-IV	0.0004	mg/L	0.0002						
Sample ID: 288-7-2	Laboratory Control Sample				Run: SUB-C94561				12/20/07 11:21
Selenium-IV	0.050	mg/L	0.0010	99	90	110			
Sample ID: R07110303-008E	Sample Matrix Spike				Run: SUB-C94561				12/20/07 11:40
Selenium-IV	0.050	mg/L	0.0010	101	85	115			
Sample ID: R07110303-008E	Sample Matrix Spike Duplicate				Run: SUB-C94561				12/20/07 11:42
Selenium-IV	0.050	mg/L	0.0010	101	85	115	0.4	10	
Method: A4500-H B									Batch: 071202_1_PH-W
Sample ID: LCS_pH-1_071202	Laboratory Control Sample				Run: PH_COND2-R_071202A				12/02/07 13:42
pH	6.86	s.u.	0.010	100	98.55	101.45			
Sample ID: R07110302-003ADUP	Sample Duplicate				Run: PH_COND2-R_071202A				12/02/07 13:46
pH	6.47	s.u.	0.010				0.9	1.25	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/04/08
Work Order: R07110303

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G								Batch: A2007-12-04_2_NH3_01	
Sample ID: MBLK-1	Method Blank				Run: TECHAA2-R_071104A			12/04/07 15:47	
Nitrogen, Ammonia as N	ND	mg/L	0.02						
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_071104A			12/04/07 15:50	
Nitrogen, Ammonia as N	0.28	mg/L	0.10	112	90	110			S
Sample ID: LFB-5	Laboratory Fortified Blank				Run: TECHAA2-R_071104A			12/04/07 15:51	
Nitrogen, Ammonia as N	0.27	mg/L	0.10	106	90	110			
Sample ID: R07110302-002BMS	Sample Matrix Spike				Run: TECHAA2-R_071104A			12/04/07 16:04	
Nitrogen, Ammonia as N	5.6	mg/L	0.21	89	80	120			
Sample ID: R07110332-002BMS	Sample Matrix Spike				Run: TECHAA2-R_071104A			12/04/07 16:23	
Nitrogen, Ammonia as N	0.23	mg/L	0.10	93	80	120			
Method: D5072-92								Batch: C_R93647	
Sample ID: R07110303-008G	Sample Duplicate				Run: SUB-C93647			11/30/07 07:34	
Radon 222	ND	pCi/L	100				0.0	30	
Sample ID: MB-R93647	Method Blank				Run: SUB-C93647			11/30/07 07:34	
Radon 222	ND	pCi/L	100						
Sample ID: LCS-R93647	Laboratory Control Sample				Run: SUB-C93647			11/30/07 07:34	
Radon 222	303	pCi/L	100	100	70	130			

Qualifiers:

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

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/04/08
Work Order: R07110303

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R94332
Sample ID: LFB-TM	Laboratory Fortified Blank				Run: SUB-C94332				12/14/07 08:55
Silica	1.9	mg/L	0.10	97	85	125			
Boron	1.9	mg/L	0.10	95	85	125			
Iron	1.9	mg/L	0.030	97	85	125			
Sample ID: LFB-MAJORS	Laboratory Fortified Blank				Run: SUB-C94332				12/14/07 08:58
Calcium	24	mg/L	0.50	97	85	125			
Magnesium	24	mg/L	0.50	96	85	125			
Potassium	26	mg/L	0.50	106	85	125			
Sodium	24	mg/L	0.76	98	85	125			
Sample ID: C07120283-001EMS1	Sample Matrix Spike				Run: SUB-C94332				12/14/07 10:21
Calcium	74.7	mg/L	0.50	83	70	130			
Magnesium	48.7	mg/L	0.50	86	70	130			
Potassium	117	mg/L	0.50	93	70	130			
Sodium	66.3	mg/L	0.76	85	70	130			
Sample ID: C07120283-001EMSD1	Sample Matrix Spike Duplicate				Run: SUB-C94332				12/14/07 10:24
Calcium	74.9	mg/L	0.50	83	70	130	0.3	20	
Magnesium	49.7	mg/L	0.50	88	70	130	2.0	20	
Potassium	119	mg/L	0.50	94	70	130	1.5	20	
Sodium	67.7	mg/L	0.76	88	70	130	2.1	20	
Sample ID: C07120582-001BMS	Sample Matrix Spike				Run: SUB-C94332				12/14/07 11:58
Boron	9.19	mg/L	0.10	91	70	130			
Iron	9.42	mg/L	0.046	92	70	130			
Calcium	456	mg/L	1.0	87	70	130			
Magnesium	453	mg/L	0.50	88	70	130			
Potassium	1130	mg/L	0.50	93	70	130			
Silica	48.9	mg/L	0.20		0	0			A
Sodium	453	mg/L	7.6	88	70	130			
- Matrix spike recoveries outside the acceptance criteria of 70 to 130 percent are considered matrix related, not system related. Reported values are within method specifications. (EPA Method 200.8, par. 9.4.4)									
Sample ID: C07120582-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-C94332				12/14/07 12:01
Boron	9.39	mg/L	0.10	93	70	130	2.2	20	
Iron	9.49	mg/L	0.046	92	70	130	0.7	20	
Calcium	465	mg/L	1.0	89	70	130	1.8	20	
Magnesium	456	mg/L	0.50	88	70	130	0.7	20	
Potassium	1120	mg/L	0.50	93	70	130	0.7	20	
Silica	48.8	mg/L	0.20		70	130	0.3	20	A
Sodium	452	mg/L	7.6	88	70	130	0.3	20	
- Matrix spike duplicate recoveries outside the acceptance criteria of 70 to 130 percent are considered matrix related, not system related. Reported values are within method specifications. (EPA Method 200.8, par. 9.4.4)									

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/04/08
Work Order: R07110303

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_17091
Sample ID: MB-17091	Method Blank				Run: SUB-C93999				12/10/07 20:59
Mercury	2E-05	mg/L	6E-06						
Sample ID: C07120311-007F MS4	Post Digestion Spike				Run: SUB-C93999				12/11/07 00:50
Mercury	0.025	mg/L	0.0010	101	70	130			
Sample ID: C07120311-007F MSD4	Post Digestion Spike Duplicate				Run: SUB-C93999				12/11/07 00:56
Mercury	0.025	mg/L	0.0010	101	70	130	0.7	20	
Method: E200.8									Batch: C_17098
Sample ID: MB-17098	Method Blank				Run: SUB-C94180				12/13/07 01:04
Uranium	ND	mg/L	2E-05						
Sample ID: LCS1-17098	Laboratory Control Sample				Run: SUB-C94180				12/13/07 01:08
Uranium	0.0497	mg/L	0.00030	95	80	120			
Sample ID: C07111232-004BMS4	Post Digestion Spike				Run: SUB-C94180				12/13/07 02:23
Uranium	0.0285	mg/L	0.00030	97	70	130			
Sample ID: C07111232-004BMSD4	Post Digestion Spike Duplicate				Run: SUB-C94180				12/13/07 02:27
Uranium	0.0286	mg/L	0.00030	97	70	130	0.2	20	
Method: E200.8									Batch: C_17122
Sample ID: MB-17122	Method Blank				Run: SUB-C94238				12/13/07 16:21
Uranium	5E-05	mg/L							
Sample ID: LCS1-17122	Laboratory Control Sample				Run: SUB-C94238				12/13/07 20:16
Uranium	0.0527	mg/L	0.00030	100	80	120			
Sample ID: R07110302-004K	Post Digestion Spike				Run: SUB-C94238				12/13/07 21:16
Uranium	0.0511	mg/L	0.00030	102	70	130			
Sample ID: R07110302-004K	Post Digestion Spike Duplicate				Run: SUB-C94238				12/13/07 21:23
Uranium	0.0518	mg/L	0.00030	103	70	130	1.3	20	

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/04/08
Work Order: R07110303

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R93947
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C93947				12/07/07 11:38
Aluminum	0.0492	mg/L	0.0010	98	85	115			
Arsenic	0.0514	mg/L	0.0010	103	85	115			
Barium	0.0501	mg/L	0.0010	100	85	115			
Cadmium	0.0497	mg/L	0.0010	99	85	115			
Chromium	0.0508	mg/L	0.0010	101	85	115			
Copper	0.0519	mg/L	0.0010	104	85	115			
Lead	0.0506	mg/L	0.0010	101	85	115			
Manganese	0.0505	mg/L	0.0010	100	85	115			
Mercury	0.00520	mg/L	0.0010	104	85	115			
Molybdenum	0.0495	mg/L	0.0010	99	85	115			
Nickel	0.0514	mg/L	0.0010	103	85	115			
Silver	0.0195	mg/L	0.0010	98	85	115			
Thorium 232	0.0501	mg/L	0.0010	100	85	115			
Uranium	0.0498	mg/L	0.00030	100	85	115			
Vanadium	0.0512	mg/L	0.0010	102	85	115			
Zinc	0.0537	mg/L	0.0010	107	85	115			
Sample ID: LRB	Method Blank				Run: SUB-C93947				12/07/07 13:13
Aluminum	ND	mg/L	0.0001						
Arsenic	ND	mg/L	6E-05						
Barium	ND	mg/L	3E-05						
Cadmium	ND	mg/L	1E-05						
Chromium	6E-05	mg/L	4E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Manganese	0.0004	mg/L	5E-05						
Mercury	ND	mg/L	8E-05						
Molybdenum	ND	mg/L	5E-05						
Nickel	ND	mg/L	0.0007						
Silver	4E-05	mg/L	3E-05						
Thorium 232	ND	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Vanadium	ND	mg/L	3E-05						
Zinc	ND	mg/L	0.0003						
Sample ID: R07110303-004C	Post Digestion Spike				Run: SUB-C93947				12/07/07 17:52
Aluminum	0.499	mg/L	0.10	100	70	130			
Arsenic	0.517	mg/L	0.0010	103	70	130			
Barium	0.540	mg/L	0.10	103	70	130			
Cadmium	0.506	mg/L	0.010	101	70	130			
Chromium	0.496	mg/L	0.050	98	70	130			

Qualifiers:

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/04/08
Work Order: R07110303

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R93947
Sample ID: R07110303-004C	Post Digestion Spike				Run: SUB-C93947				12/07/07 17:52
Copper	0.496	mg/L	0.010	98	70	130			
Lead	0.513	mg/L	0.050	103	70	130			
Manganese	2.98	mg/L	0.010		70	130			A
Mercury	0.0527	mg/L	0.0010	105	70	130			
Molybdenum	0.545	mg/L	0.10	109	70	130			
Nickel	0.502	mg/L	0.050	97	70	130			
Silver	0.171	mg/L	0.010	85	70	130			
Thorium 232	0.532	mg/L	0.0010	106	70	130			
Uranium	0.569	mg/L	0.00030	105	70	130			
Vanadium	0.510	mg/L	0.10	102	70	130			
Zinc	0.498	mg/L	0.010	96	70	130			
Sample ID: R07110303-004C	Post Digestion Spike Duplicate				Run: SUB-C93947				12/07/07 17:59
Aluminum	0.488	mg/L	0.10	98	70	130	2.3	20	
Arsenic	0.509	mg/L	0.0010	102	70	130	1.6	20	
Barium	0.526	mg/L	0.10	100	70	130	2.6	20	
Cadmium	0.496	mg/L	0.010	99	70	130	2.1	20	
Chromium	0.491	mg/L	0.050	97	70	130	0.9	20	
Copper	0.487	mg/L	0.010	96	70	130	1.8	20	
Lead	0.511	mg/L	0.050	102	70	130	0.2	20	
Manganese	2.99	mg/L	0.010		70	130	0.5	20	A
Mercury	0.0537	mg/L	0.0010	107	70	130	1.9	20	
Molybdenum	0.532	mg/L	0.10	106	70	130	2.4	20	
Nickel	0.489	mg/L	0.050	95	70	130	2.7	20	
Silver	0.174	mg/L	0.010	87	70	130	1.9	20	
Thorium 232	0.530	mg/L	0.0010	106	70	130	0.4	20	
Uranium	0.567	mg/L	0.00030	105	70	130	0.4	20	
Vanadium	0.507	mg/L	0.10	101	70	130	0.6	20	
Zinc	0.494	mg/L	0.010	95	70	130	0.8	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/04/08
Work Order: R07110303

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R32405
Sample ID: LFB0711284127-3	Laboratory Fortified Blank				Run: DIONEX_071128A				11/28/07 21:08
Chloride	4.57	mg/L	0.50	91	90	110			
Fluoride	1.91	mg/L	0.10	96	90	110			
Nitrogen, Nitrate as N	2.36	mg/L	0.10	94	90	110			
Nitrogen, Nitrite as N	2.31	mg/L	0.10	92	90	110			
Sulfate	13.8	mg/L	1.0	92	90	110			
Sample ID: LFB0711284127-4	Laboratory Fortified Blank				Run: DIONEX_071128A				11/28/07 21:24
Chloride	4.86	mg/L	0.50	97	90	110			
Fluoride	2.04	mg/L	0.10	102	90	110			
Nitrogen, Nitrate as N	2.35	mg/L	0.10	94	90	110			
Nitrogen, Nitrite as N	2.43	mg/L	0.10	97	90	110			
Sulfate	14.2	mg/L	1.0	94	90	110			
Sample ID: R07110302-002AMS	Sample Matrix Spike				Run: DIONEX_071128A				11/29/07 01:07
Chloride	266	mg/L	2.0	98	80	120			
Fluoride	123	mg/L	3.2	109	80	120			
Nitrogen, Nitrate as N	128	mg/L	0.84	102	80	120			
Nitrogen, Nitrite as N	132	mg/L	1.1	106	80	120			
Sulfate	6060	mg/L	36		80	120			A
Sample ID: R07110302-002AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_071128A				11/29/07 01:23
Chloride	248	mg/L	2.0	90	80	120	7.0	10	
Fluoride	115	mg/L	3.2	102	80	120	6.2	10	
Nitrogen, Nitrate as N	123	mg/L	0.84	98	80	120	4.0	10	
Nitrogen, Nitrite as N	123	mg/L	1.1	99	80	120	7.0	10	
Sulfate	6160	mg/L	36		80	120	1.6	10	A
Sample ID: R07110303-003AMS	Sample Matrix Spike				Run: DIONEX_071128A				11/29/07 04:34
Chloride	295	mg/L	2.0	93	80	120			
Fluoride	103	mg/L	3.2	99	80	120			
Nitrogen, Nitrate as N	119	mg/L	0.84	95	80	120			
Nitrogen, Nitrite as N	123	mg/L	1.1	98	80	120			
Sulfate	4180	mg/L	36		80	120			A
Sample ID: R07110303-003AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_071128A				11/29/07 04:50
Chloride	291	mg/L	2.0	92	80	120	1.4	10	
Fluoride	101	mg/L	3.2	98	80	120	1.5	10	
Nitrogen, Nitrate as N	121	mg/L	0.84	96	80	120	1.3	10	
Nitrogen, Nitrite as N	120	mg/L	1.1	96	80	120	2.3	10	
Sulfate	4150	mg/L	36		80	120	0.9	10	A

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

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Work Order: R07110303

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R32405
Sample ID: R07110303-007AMS	Sample Matrix Spike				Run: DIONEX_071128A				11/29/07 07:45
Chloride	299	mg/L	2.0	95	80	120			
Fluoride	97.8	mg/L	3.2	94	80	120			
Nitrogen, Nitrate as N	123	mg/L	0.84	98	80	120			
Nitrogen, Nitrite as N	123	mg/L	1.1	98	80	120			
Sulfate	4250	mg/L	36		80	120			A
Sample ID: R07110303-007AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_071128A				11/29/07 08:01
Chloride	304	mg/L	2.0	98	80	120	1.8	10	
Fluoride	97.9	mg/L	3.2	94	80	120	0.1	10	
Nitrogen, Nitrate as N	120	mg/L	0.84	96	80	120	2.0	10	
Nitrogen, Nitrite as N	122	mg/L	1.1	97	80	120	0.9	10	
Sulfate	4240	mg/L	36		80	120	0.2	10	A
Method: E300.0									Batch: R32437
Sample ID: LFB0711291936-3	Laboratory Fortified Blank				Run: DIONEX_071129A				11/29/07 20:57
Chloride	4.94	mg/L	0.50	99	90	110			
Sample ID: LFB0711291936-4	Laboratory Fortified Blank				Run: DIONEX_071129A				11/29/07 21:13
Chloride	4.87	mg/L	0.50	97	90	110			
Sample ID: R07110265-001BMS	Sample Matrix Spike				Run: DIONEX_071129A				11/30/07 00:56
Chloride	32.5	mg/L	0.50	89	80	120			
Sample ID: R07110265-001BMSD	Sample Matrix Spike Duplicate				Run: DIONEX_071129A				11/30/07 01:12
Chloride	32.9	mg/L	0.50	90	80	120	1.2	10	

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QA/QC Summary Report

Client: RESPEC Inc
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Report Date: 02/04/08
Work Order: R07110303

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0									Batch: C_GrAB-0369
Sample ID: MB-GrAB-0369	Method Blank				Run: SUB-C94568				12/17/07 22:28
Gross Alpha	ND	pCi/L	1						
Gross Beta	ND	pCi/L	2						
Sample ID: UNAT-GrAB-0369	Laboratory Control Sample				Run: SUB-C94568				12/17/07 22:28
Gross Alpha	300	pCi/L	1.0	104	70	130			
Sample ID: Cs137-GrAB-0369	Laboratory Control Sample				Run: SUB-C94568				12/17/07 22:28
Gross Beta	90	pCi/L	2.0	96	70	130			
Sample ID: R07110303-001H	Sample Matrix Spike				Run: SUB-C94568				12/17/07 22:28
Gross Alpha	560	pCi/L	1.0	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: R07110303-001H	Sample Matrix Spike Duplicate				Run: SUB-C94568				12/17/07 22:28
Gross Alpha	530	pCi/L	1.0	64	70	130	5.2	13.2	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: C07111231-001HMS	Sample Matrix Spike				Run: SUB-C94568				12/17/07 22:28
Gross Beta	280	pCi/L	2.0	85	70	130			
Sample ID: C07111231-001HMSD	Sample Matrix Spike Duplicate				Run: SUB-C94568				12/17/07 22:28
Gross Beta	280	pCi/L	2.0	85	70	130	0.2	15.9	
Method: E901.1									Batch: C_R94634
Sample ID: LCS-R94634	Laboratory Control Sample				Run: SUB-C94634				12/05/07 10:50
Cesium 137	1180	pCi/L	20	84	70	130			
Potassium 40	7170	pCi/L	20	107	70	130			
Sample ID: MB-R94634	Method Blank				Run: SUB-C94634				12/05/07 10:50
Gross Gamma	ND	pCi/L	20						
Sample ID: C07110896-005ADUP	Sample Duplicate				Run: SUB-C94634				12/05/07 10:50
Gross Gamma		pCi/Filter	20				0.0	30	
Sample ID: R07110303-008H	Sample Duplicate				Run: SUB-C94634				12/05/07 10:50
Gross Gamma	1200	pCi/L	20				10	30	
Sample ID: C07121021-009ADUP	Sample Duplicate				Run: SUB-C94634				12/05/07 10:50
Gross Gamma	ND	pCi/L	20				0.0	30	

Qualifiers:

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S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/04/08
Work Order: R07110303

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: C_17098
Sample ID: C07111215-001BMS	Sample Matrix Spike				Run: SUB-C94420				12/17/07 18:37
Radium 226	57	pCi/L	0.20	94	70	130			
Sample ID: C07111215-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-C94420				12/17/07 18:37
Radium 226	60	pCi/L	0.20	97	70	130	5.3	29.2	
Sample ID: MB-17098	Method Blank				Run: SUB-C94420				12/18/07 10:09
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-17098	Laboratory Control Sample				Run: SUB-C94420				12/18/07 10:09
Radium 226	12	pCi/L	0.20	99	70	130			
Method: E903.0									Batch: C_17122
Sample ID: C07111001-001AMS	Sample Matrix Spike				Run: SUB-C94513				12/19/07 11:19
Radium 226	0.00013	uCi/kg	2.0E-07	79	70	130			
Sample ID: C07111001-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C94513				12/19/07 11:19
Radium 226	0.00013	uCi/kg	2.0E-07	90	70	130	5.5	23.3	
Sample ID: MB-17122	Method Blank				Run: SUB-C94513				12/19/07 12:26
Radium 226	ND	pCi/L	0.004						
Sample ID: LCS-17122	Laboratory Control Sample				Run: SUB-C94513				12/19/07 12:26
Radium 226	13	pCi/L	0.20	103	70	130			
Method: E903.0									Batch: C_RA226-2483
Sample ID: C07120239-006CMS	Sample Matrix Spike				Run: SUB-C94364				12/17/07 13:42
Radium 226	990	pCi/L	0.20	-46	70	130			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: C07120239-006CMSD	Sample Matrix Spike Duplicate				Run: SUB-C94364				12/17/07 13:42
Radium 226	1000	pCi/L	0.20	198	70	130	5.0	12.7	S
Sample ID: MB-RA226-2483	Method Blank				Run: SUB-C94364				12/17/07 13:42
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-2483	Laboratory Control Sample				Run: SUB-C94364				12/17/07 13:42
Radium 226	13	pCi/L	0.20	101	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/04/08
Work Order: R07110303

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: C_RA226-2490
Sample ID: R07110303-007H	Sample Matrix Spike				Run: SUB-C94149				12/17/07 16:18
Radium 226	19	pCi/L	0.20	86	70	130			
Sample ID: R07110303-007H	Sample Matrix Spike Duplicate				Run: SUB-C94149				12/17/07 16:18
Radium 226	17	pCi/L	0.20	77	70	130	12	29.9	
Sample ID: MB-RA226-2490	Method Blank				Run: SUB-C94149				12/17/07 16:18
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-2490	Laboratory Control Sample				Run: SUB-C94149				12/17/07 17:26
Radium 226	12	pCi/L	0.20	96	70	130			
Method: E907.0									Batch: C_17098
Sample ID: C07120128-002AMS	Sample Matrix Spike				Run: SUB-C94632				12/11/07 14:35
Thorium 230	54.2	pCi/Filter	0.20	97	70	130			
Sample ID: C07120128-002AMSD	Sample Matrix Spike Duplicate				Run: SUB-C94632				12/11/07 14:35
Thorium 230	54.8	pCi/Filter	0.20	98	70	130	1.0	30	
Sample ID: LCS-17098	Laboratory Control Sample				Run: SUB-C94632				12/11/07 14:35
Thorium 230	61.3	pCi/L	0.21	107	70	130			
Sample ID: MB-17098	Method Blank				Run: SUB-C94632				12/11/07 14:35
Thorium 230	ND	pCi/L	0.2						
Method: E907.0									Batch: C_17122
Sample ID: C07120387-002AMS	Sample Matrix Spike				Run: SUB-C94647				12/12/07 16:10
Thorium 230	51.5	pCi/Filter	0.20	92	70	130			
Sample ID: C07120387-002AMSD	Sample Matrix Spike Duplicate				Run: SUB-C94647				12/12/07 16:10
Thorium 230	55.3	pCi/Filter	0.20	100	70	130	7.1	30	
Sample ID: LCS-17122	Laboratory Control Sample				Run: SUB-C94647				12/12/07 16:10
Thorium 230	52.8	pCi/Filter	0.20	94	70	130			
Sample ID: MB-17122	Method Blank				Run: SUB-C94647				12/12/07 16:10
Thorium 230	ND	pCi/Filter	0.004						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/04/08
Work Order: R07110303

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: C_R94214
Sample ID: LCS-R94214	Laboratory Control Sample				Run: SUB-C94214				12/10/07 14:00
Thorium 230	6.00	pCi/L	0.20	102	70	130			
Sample ID: R07110303-001H	Sample Matrix Spike				Run: SUB-C94214				12/10/07 14:00
Thorium 230	19.8	pCi/L	0.20	102	70	130			
Sample ID: R07110303-001H	Sample Matrix Spike Duplicate				Run: SUB-C94214				12/10/07 14:00
Thorium 230	16.2	pCi/L	0.20	83	70	130	20	30	
Sample ID: MB-R94214	Method Blank				Run: SUB-C94214				12/10/07 14:00
Thorium 230	ND	pCi/L	0.2						
Method: E907.0									Batch: C_R94903
Sample ID: LCS-R94903	Laboratory Control Sample				Run: SUB-C94903				12/20/07 14:15
Thorium 230	5.00	pCi/L	0.20	85	70	130			
Sample ID: C07111264-007AMS	Sample Matrix Spike				Run: SUB-C94903				12/20/07 14:15
Thorium 230	18.9	pCi/L	0.20	97	70	130			
Sample ID: C07111264-007AMSD	Sample Matrix Spike Duplicate				Run: SUB-C94903				12/20/07 14:15
Thorium 230	18.9	pCi/L	0.20	97	70	130	0.0	30	
Sample ID: MB-R94903	Method Blank				Run: SUB-C94903				12/20/07 14:15
Thorium 230	ND	pCi/L	0.2						
Method: E909.0M									Batch: C_17098
Sample ID: R07110303-005I	Sample Matrix Spike				Run: SUB-C94353				12/12/07 07:00
Lead 210	710	pCi/L	1.0	89	70	130			
Sample ID: R07110303-005I	Sample Matrix Spike Duplicate				Run: SUB-C94353				12/12/07 07:00
Lead 210	620	pCi/L	1.0	77	70	130	14	30	
Sample ID: MB-R94353	Method Blank				Run: SUB-C94353				12/12/07 07:00
Lead 210	ND	pCi/L	1						
Sample ID: LCS-R94353	Laboratory Control Sample				Run: SUB-C94353				12/12/07 07:00
Lead 210	95	pCi/L	1.0	118	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/04/08
Work Order: R07110303

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0M									Batch: C_17122
Sample ID: R07110302-001K	Sample Matrix Spike				Run: SUB-C94571				12/13/07 08:00
Lead 210	790	pCi/L	1.0	99	70	130			
Sample ID: R07110302-001K	Sample Matrix Spike Duplicate				Run: SUB-C94571				12/13/07 08:00
Lead 210	780	pCi/L	1.0	98	70	130	1.5	30	
Method: E909.0M									Batch: C_R94265
Sample ID: C07111231-004HMS	Sample Matrix Spike				Run: SUB-C94265				12/10/07 07:15
Lead 210	470	pCi/L	1.0	116	70	130			
Sample ID: C07111231-004HMSD	Sample Matrix Spike Duplicate				Run: SUB-C94265				12/10/07 07:15
Lead 210	420	pCi/L	1.0	104	70	130	11	30	
Sample ID: MB-R94265	Method Blank				Run: SUB-C94265				12/10/07 07:15
Lead 210	ND	pCi/L	1						
Sample ID: LCS-R94265	Laboratory Control Sample				Run: SUB-C94265				12/10/07 07:15
Lead 210	88	pCi/L	1.0	110	70	130			
Method: RMO-3008									Batch: C_17098
Sample ID: R07110303-005I	Sample Matrix Spike				Run: SUB-C94443				12/12/07 12:00
Polonium 210	350	pCi/L	1.0	79	70	130			
Sample ID: R07110303-005I	Sample Matrix Spike Duplicate				Run: SUB-C94443				12/12/07 12:00
Polonium 210	370	pCi/L	1.0	83	70	130	5.2	30	
Sample ID: LCS-17098	Laboratory Control Sample				Run: SUB-C94443				12/12/07 12:00
Polonium 210	19	pCi/L	1.1	83	70	130			
Sample ID: MB-17098	Method Blank				Run: SUB-C94443				12/12/07 12:00
Polonium 210	ND	pCi/L	1						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 02/04/08
Work Order: R07110303

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RMO-3008									Batch: C_17122
Sample ID: R07110302-004K	Sample Matrix Spike				Run: SUB-C94630				12/18/07 12:00
Polonium 210	400	pCi/L	1.0	90	70	130			
Sample ID: R07110302-004K	Sample Matrix Spike Duplicate				Run: SUB-C94630				12/18/07 12:00
Polonium 210	330	pCi/L	1.0	73	70	130	20	30	
Sample ID: LCS-17122	Laboratory Control Sample				Run: SUB-C94630				12/18/07 12:00
Polonium 210	18	pCi/L	1.0	80	70	130			
Sample ID: MB-17122	Method Blank				Run: SUB-C94630				12/18/07 12:00
Polonium 210	ND	pCi/L	1						
Method: RMO-3008									Batch: C_R94217
Sample ID: C07111231-008HMS	Sample Matrix Spike				Run: SUB-C94217				12/10/07 12:00
Polonium 210	170	pCi/L	1.0	74	70	130			
Sample ID: C07111231-008HMSD	Sample Matrix Spike Duplicate				Run: SUB-C94217				12/10/07 12:00
Polonium 210	170	pCi/L	1.0	76	70	130	2.4	30	
Sample ID: LCS-R94217	Laboratory Control Sample				Run: SUB-C94217				12/10/07 12:00
Polonium 210	21	pCi/L	1.0	92	70	130			
Sample ID: MB-R94217	Method Blank				Run: SUB-C94217				12/10/07 12:00
Polonium 210	ND	pCi/L	1						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

Chain of Custody and Analytical Request Record

Page ____ of ____

PLEASE PRINT- Provide as much information as possible.

Company Name: RESPEC	Project Name, PWS, Permit, Etc.: @ Dewey-Burdock	Sample Origin State:	EPA/State Compliance: Yes ☐ No ☐
Report Mail Address:	Contact Name: Cory Forman Phone/Fax:	Email:	Sampler: (Please Print) Cory Forman Eric Kramer
Invoice Address:	Invoice Contact & Phone:	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

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

Comments: GW

Shipped by:
Cooler ID(s):
Receipt Temp: 3.4 °C
On Ice: (Yes) No
Custody Seal Y N
Intact Y N
Signature Match Y N

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	Number of Containers (Sample Type: A Air, W Water, S Soils/Solids, V Vegetation, B Bioassay, O Other)	ANALYSIS REQUESTED: As per Quote	SEE ATTACHED	Normal Turnaround (TAT)	LABORATORY USE ONLY
1 DewBurd GW635	11/27/07	8:25	W	X				Sample Bottle Set 2 — 0711030 3-001
2 DewBurd GW676	11/27/07	12:20	W	X				Sample Bottle Set 1 — 002
3 DewBurd GW678	11/27/07	13:40	W	X				Sample Bottle Set 11 — 003
4 DewBurd GW677	11/27/07	15:20	W	X				Sample Bottle Set 17 — 004
5 DewBurd GW08	11/27/07	16:30	W	X				Set 12 — 005
6 DewBurd GW08-2	11/27/07	16:40	W	X				Set 4 — 006
7 DewBurd GW675	11/27/07	17:34	W	X				Set 5 — 007
8 DewBurd GWBK02	~~11/27/07~~ 11/28/07	~~21:45~~ 11:00	W	X				Set 7 — 008
9								
10								

Custody Record MUST be Signed

Relinquished by (print): Eric Kramer	Date/Time: 11/28/07 08:10	Signature:	Received by (print): Jane Toland	Date/Time: 11-27-07 8:10	Signature:
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Sample Disposal: Return to Client: _____	Lab Disposal: _____		Received by Laboratory:	Date/Time:	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.

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Gillette, WY 866-686-7175 • Rapid City, SD 888-672-1225 • College Station, TX 888-690-2218

ANALYTICAL SUMMARY REPORT

May 23, 2011

RESPEC Inc
3824 Jet Dr
Rapid City, SD 57701

Workorder No.: R08010296 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. Rapid City SD received the following 2 samples for RESPEC Inc on 1/31/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08010296-001	DewBurd GW680	01/30/08 13:50	01/31/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved
R08010296-002	DewBurd GW681	01/30/08 15:40	01/31/08	Aqueous	Same As Above

This report was prepared by Energy Laboratories, Inc., 2821 Plant St., Rapid City, SD 57702. 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:

Linda K. Larson

Digitally signed by
Linda Larson
Date: 2011.05.23 14:43:25 -06:00

Branch Manager

CLIENT: RESPEC Inc
Project: Edgemont
Sample Delivery Group: R08010296

Revised Date: 05/23/11
Report Date: 02/26/08

CASE NARRATIVE

This case narrative is used to explain any exceptions to the analyses performed for your sample(s). In accordance with Good Analytical Laboratory Practices (GALP), samples requiring data qualifiers or analytical modifications are explained herein.

All samples were analyzed in accordance with prescribed methodology, except were noted. Samples are accompanied by appropriate quality assurance/quality control (QA/QC) samples throughout the analytical process.

During the course of analyzing your sample(s) the following exceptions were noted.
- Any exceptions noted are listed in the Analytical Report

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

BRANCH LABORATORY IDENTIFIERS
eli-b - Energy Laboratories, Inc. - Billings, MT, EPA # MT00005
eli-c - Energy Laboratories, Inc. - Casper, WY, EPA# WY00002
eli-f - Energy Laboratories, Inc. - Idaho Falls, ID, EPA # ID00942
eli-g - Energy Laboratories, Inc. - Gillette, WY, EPA# WY00006
eli-h - Energy Laboratories, Inc. - Helena, MT, EPA# MT00945
eli-t - Energy Laboratories, Inc. - College Station, TX, EPA# TX01520

For additional information, including certifications, and analytical services visit our web page www.energylab.com.

If you have questions regarding this information, please feel free to contact us at (888)672-1225, (605)342-1225 or rapid_city@energylab.com.

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 02/26/08
Collection Date: 01/30/08 13:50
Date Received: 01/31/08
Matrix: AQUEOUS

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08010296-001
Client Sample ID: DewBurd GW680

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	258	mg/L		5		1	A2320 B	02/06/08 12:04/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	02/06/08 12:04/sn
Bicarbonate as HCO3	315	mg/L		5		1	A2320 B	02/06/08 12:04/sn
Calcium	343	mg/L		0.5		1	E200.7	02/14/08 19:21/eli-c
Chloride	15	mg/L		1		1	E300.0	01/31/08 20:32/sn
Fluoride	0.3	mg/L		0.1		1	E300.0	01/31/08 20:32/sn
Magnesium	113	mg/L		0.5		1	E200.7	02/14/08 19:21/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	02/04/08 16:33/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	01/31/08 20:32/sn
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	01/31/08 20:32/sn
Potassium	20.7	mg/L		0.5		1	E200.7	02/14/08 19:21/eli-c
Silica	8.9	mg/L		0.5		1	E200.7	02/14/08 19:21/eli-c
Sodium	148	mg/L	D	0.8		1	E200.7	02/14/08 19:21/eli-c
Sulfate	1420	mg/L	D	3		50	E300.0	01/31/08 20:16/sn
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2630	umhos/cm		5.0		1	A2510 B	02/01/08 14:21/jmh
Oxidation-Reduction Potential	0	mV				1	A2580 B	01/31/08 00:00/sn
pH	7.26	s.u.		0.01		1	A4500-H B	02/01/08 14:41/jmh
Sodium Adsorption Ratio (SAR)	1.8	unitless		0.10		1	Calculation	02/25/08 15:17/ADM
Solids, Total Dissolved TDS @ 180 C	2400	mg/L		5		1	A2540 C	01/31/08 14:50/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	02/12/08 23:57/eli-c
Arsenic	0.026	mg/L		0.001		1	E200.8	02/12/08 23:57/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/12/08 23:57/eli-c
Boron	0.1	mg/L		0.1		1	E200.7	02/14/08 19:21/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/12/08 23:57/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/12/08 23:57/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/12/08 23:57/eli-c
Iron	0.43	mg/L		0.03		1	E200.7	02/14/08 19:21/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/12/08 23:57/eli-c
Manganese	0.43	mg/L		0.01		1	E200.8	02/12/08 23:57/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/12/08 23:57/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	02/12/08 23:57/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/12/08 23:57/eli-c
Selenium	ND	mg/L		0.005		1	A3114 B	02/05/08 17:03/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/12/08 23:57/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	02/12/08 23:57/eli-c

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11

Client: RESPEC Inc
Report Date: 02/26/08

Project: Edgemont
Collection Date: 01/30/08 13:50

Lab ID: R08010296-001
Date Received: 01/31/08

Client Sample ID: DewBurd GW680
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.172	mg/L		0.0003		1	E200.8	02/12/08 23:57/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	02/12/08 23:57/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	02/12/08 23:57/eli-c
METALS - SUSPENDED								
Uranium	0.0008	mg/L		0.0003		1	E200.8	02/14/08 03:34/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.001		1	E200.8	02/12/08 14:13/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	02/05/08 15:41/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	02/05/08 00:00/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	4090	pCi/L		1.0		1	E900.0	02/13/08 08:21/eli-c
Gross Alpha precision (±)	19.7	pCi/L				1	E900.0	02/13/08 08:21/eli-c
Gross Beta	1330	pCi/L		2.0		1	E900.0	02/13/08 08:21/eli-c
Gross Beta precision (±)	16.3	pCi/L				1	E900.0	02/13/08 08:21/eli-c
Lead 210	17	pCi/L		1.0		1	E909.0M	02/06/08 07:30/eli-c
Lead 210 precision (±)	2.5	pCi/L				1	E909.0M	02/06/08 07:30/eli-c
Polonium 210	1.7	pCi/L		1.0		1	RMO-3008	02/11/08 12:30/eli-c
Polonium 210 precision (±)	1.0	pCi/L				1	RMO-3008	02/11/08 12:30/eli-c
Radium 226	1180	pCi/L		0.2		1	E903.0	02/10/08 12:04/eli-c
Radium 226 precision (±)	10.6	pCi/L				1	E903.0	02/10/08 12:04/eli-c
Gross Gamma	4700	pCi/L		20		1	E901.1	02/06/08 15:40/eli-c
Gross Gamma precision (±)	110	pCi/L				1	E901.1	02/06/08 15:40/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	02/08/08 09:30/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	02/21/08 15:15/eli-c
Radium 226	12.7	pCi/L		0.2		1	E903.0	02/13/08 10:01/eli-c
Radium 226 precision (±)	2.7	pCi/L				1	E903.0	02/13/08 10:01/eli-c
Thorium 230	0.3	pCi/L		0.2		1	E907.0	02/13/08 12:00/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	02/13/08 12:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	143000	pCi/L		100		1	D5072-92	02/01/08 16:58/eli-c
Radon 222 precision (±)	670	pCi/L				1	D5072-92	02/01/08 16:58/eli-c

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

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 02/26/08
Collection Date: 01/30/08 13:50
Date Received: 01/31/08
Matrix: AQUEOUS

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08010296-001
Client Sample ID: DewBurd GW680

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - TOTAL								
DATA QUALITY								
A/C Balance (± 5)	-2.45					1	A1030 E	02/25/08 00:00/lkl
Anions	35.2	meq/L				1	A1030 E	02/25/08 00:00/lkl
Cations	33.5	meq/L				1	A1030 E	02/25/08 00:00/lkl
Solids, Total Dissolved Calculated	2210	mg/L				1	A1030 E	02/25/08 00:00/lkl
TDS Balance (0.80 - 1.20)	1.09					1	A1030 E	02/25/08 00:00/lkl

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

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 02/26/08
Collection Date: 01/30/08 15:40
Date Received: 01/31/08
Matrix: AQUEOUS

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08010296-002
Client Sample ID: DewBurd GW681

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	174	mg/L		5		1	A2320 B	02/06/08 12:06/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	02/06/08 12:06/sn
Bicarbonate as HCO3	212	mg/L		5		1	A2320 B	02/06/08 12:06/sn
Calcium	60.3	mg/L		0.5		1	E200.7	02/14/08 19:25/eli-c
Chloride	13	mg/L		1		1	E300.0	01/31/08 21:02/sn
Fluoride	0.4	mg/L		0.1		1	E300.0	01/31/08 21:02/sn
Magnesium	22.3	mg/L		0.5		1	E200.7	02/14/08 19:25/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	02/04/08 16:36/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	01/31/08 21:02/sn
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	01/31/08 21:02/sn
Potassium	10.3	mg/L		0.5		1	E200.7	02/14/08 19:25/eli-c
Silica	8.1	mg/L		0.5		1	E200.7	02/14/08 19:25/eli-c
Sodium	192	mg/L	D	0.8		1	E200.7	02/14/08 19:25/eli-c
Sulfate	498	mg/L	D	3		50	E300.0	01/31/08 20:47/sn
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1320	umhos/cm		5.0		1	A2510 B	02/01/08 14:22/jmh
Oxidation-Reduction Potential	0	mV				1	A2580 B	01/31/08 00:00/sn
pH	7.98	s.u.		0.01		1	A4500-H B	02/01/08 14:43/jmh
Sodium Adsorption Ratio (SAR)	5.4	unitless		0.10		1	Calculation	02/25/08 15:17/ADM
Solids, Total Dissolved TDS @ 180 C	930	mg/L		5		1	A2540 C	01/31/08 14:50/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	02/13/08 00:04/eli-c
Arsenic	0.003	mg/L		0.001		1	E200.8	02/13/08 00:04/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/13/08 00:04/eli-c
Boron	ND	mg/L		0.1		1	E200.7	02/14/08 19:25/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/13/08 00:04/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/13/08 00:04/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/13/08 00:04/eli-c
Iron	ND	mg/L		0.03		1	E200.7	02/14/08 19:25/eli-c
Lead	0.004	mg/L		0.001		1	E200.8	02/13/08 00:04/eli-c
Manganese	0.09	mg/L		0.01		1	E200.8	02/13/08 00:04/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/13/08 00:04/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	02/13/08 00:04/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/13/08 00:04/eli-c
Selenium	ND	mg/L		0.005		1	A3114 B	02/05/08 17:05/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/13/08 00:04/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	02/13/08 00:04/eli-c

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08010296-002
Client Sample ID: DewBurd GW681

Revised Date: 05/23/11
Report Date: 02/26/08
Collection Date: 01/30/08 15:40
Date Received: 01/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.0117	mg/L		0.0003		1	E200.8	02/13/08 00:04/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	02/13/08 00:04/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	02/13/08 00:04/eli-c
METALS - SUSPENDED								
Uranium	0.0010	mg/L		0.0003		1	E200.8	02/14/08 03:42/eli-c
METALS - TOTAL								
Mercury	ND	mg/L		0.001		1	E200.8	02/12/08 14:20/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	02/05/08 15:43/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	02/05/08 00:00/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	656	pCi/L		1.0		1	E900.0	02/13/08 08:21/eli-c
Gross Alpha precision (±)	4.7	pCi/L				1	E900.0	02/13/08 08:21/eli-c
Gross Beta	226	pCi/L		2.0		1	E900.0	02/13/08 08:21/eli-c
Gross Beta precision (±)	4.3	pCi/L				1	E900.0	02/13/08 08:21/eli-c
Lead 210	46	pCi/L		1.0		1	E909.0M	02/06/08 07:30/eli-c
Lead 210 precision (±)	4.1	pCi/L				1	E909.0M	02/06/08 07:30/eli-c
Polonium 210	2.6	pCi/L		1.0		1	RMO-3008	02/11/08 12:30/eli-c
Polonium 210 precision (±)	1.5	pCi/L				1	RMO-3008	02/11/08 12:30/eli-c
Radium 226	421	pCi/L		0.2		1	E903.0	02/10/08 12:04/eli-c
Radium 226 precision (±)	6.8	pCi/L				1	E903.0	02/10/08 12:04/eli-c
Gross Gamma	13000	pCi/L		20		1	E901.1	02/06/08 15:40/eli-c
Gross Gamma precision (±)	190	pCi/L				1	E901.1	02/06/08 15:40/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	1.7	pCi/L		1.0		1	E909.0M	02/08/08 09:30/eli-c
Lead 210 precision (±)	0.69	pCi/L				1	E909.0M	02/08/08 09:30/eli-c
Polonium 210	1.6	pCi/L		1.0		1	RMO-3008	02/21/08 15:15/eli-c
Polonium 210 precision (±)	0.86	pCi/L				1	RMO-3008	02/21/08 15:15/eli-c
Radium 226	9.9	pCi/L		0.2		1	E903.0	02/13/08 10:01/eli-c
Radium 226 precision (±)	2.4	pCi/L				1	E903.0	02/13/08 10:01/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	02/13/08 12:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	462000	pCi/L		100		1	D5072-92	02/01/08 16:58/eli-c

Report Definitions:
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QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08010296-002
Client Sample ID: DewBurd GW681

Revised Date: 05/23/11
Report Date: 02/26/08
Collection Date: 01/30/08 15:40
Date Received: 01/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - TOTAL								
Radon 222 precision (±)	1190	pCi/L				1	D5072-92	02/01/08 16:58/eli-c
DATA QUALITY								
A/C Balance (± 5)	-2.72					1	A1030 E	02/25/08 00:00/lkl
Anions	14.2	meq/L				1	A1030 E	02/25/08 00:00/lkl
Cations	13.5	meq/L				1	A1030 E	02/25/08 00:00/lkl
Solids, Total Dissolved Calculated	901	mg/L				1	A1030 E	02/25/08 00:00/lkl
TDS Balance (0.80 - 1.20)	1.03					1	A1030 E	02/25/08 00:00/lkl

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

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 02/26/08
Work Order: R08010296

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 080206A-ALK-SEL-W	
Sample ID: MBLK1_080206A	Method Blank				Run: PH_COND1-R_080206A			02/06/08 12:00	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Sample ID: LCS1_080206A	Laboratory Control Sample				Run: PH_COND1-R_080206A			02/06/08 12:01	
Alkalinity, Total as CaCO3	1000	mg/L	5.0	100	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 02/26/08
Work Order: R08010296

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2510 B								Batch: 080201_1_COND-PROBE-W	
Sample ID: LCS1-1_080201	Laboratory Control Sample				Run: PH_COND2-R_080201A			02/01/08 14:13	
Conductivity @ 25 C	153	umhos/cm	5.0	102	90	110			
Sample ID: LCS2-1_080201	Laboratory Control Sample				Run: PH_COND2-R_080201A			02/01/08 14:14	
Conductivity @ 25 C	4990	umhos/cm	5.0	100	90	110			
Sample ID: LCS_COND-1_080201	Laboratory Control Sample				Run: PH_COND2-R_080201A			02/01/08 14:15	
Conductivity @ 25 C	1380	umhos/cm	5.0	98	90	110			
Sample ID: MBLK-1_080201	Method Blank				Run: PH_COND2-R_080201A			02/01/08 14:17	
Conductivity @ 25 C	ND	umhos/cm	5						
Sample ID: R08010273-001BDUP	Sample Duplicate				Run: PH_COND2-R_080201A			02/01/08 14:18	
Conductivity @ 25 C	652	umhos/cm	5.0				0.3	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 02/26/08
Work Order: R08010296

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C								Batch: 080131A-SLDS-TDS-W	
Sample ID: MBLK1_080131A	Method Blank				Run: BAL-4-R_080131B			01/31/08 14:46	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: LCS1_080131A	Laboratory Control Sample				Run: BAL-4-R_080131B			01/31/08 14:47	
Solids, Total Dissolved TDS @ 180 C	210	mg/L	5.0	104	90	110			
Sample ID: R08010262-001AMS	Sample Matrix Spike				Run: BAL-4-R_080131B			01/31/08 14:48	
Solids, Total Dissolved TDS @ 180 C	430	mg/L	5.0	100	80	120			
Sample ID: R08010262-001AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080131B			01/31/08 14:48	
Solids, Total Dissolved TDS @ 180 C	440	mg/L	5.0	103	80	120	1.4	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 02/26/08
Work Order: R08010296

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2580 B									Batch: R33347
Sample ID: LCS_013108	Laboratory Control Sample				Run: PH_COND1-R_080131A				01/31/08 00:00
Oxidation-Reduction Potential	480	mV		102	95	105			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 02/26/08
Work Order: R08010296

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B								Batch: C_SEIV3114-080205	
Sample ID: MBLK	Method Blank				Run: SUB-C96573			02/05/08 15:36	
Selenium-IV	ND	mg/L	0.0002						
Sample ID: 288-20-3	Laboratory Control Sample				Run: SUB-C96573			02/05/08 15:38	
Selenium-IV	0.050	mg/L	0.0010	99	90	110			
Sample ID: R08010296-001E	Sample Matrix Spike				Run: SUB-C96573			02/05/08 15:45	
Selenium-IV	0.051	mg/L	0.0010	102	85	115			
Sample ID: R08010296-001E	Sample Matrix Spike Duplicate				Run: SUB-C96573			02/05/08 15:47	
Selenium-IV	0.054	mg/L	0.0010	106	85	115	4.4	10	
Method: A3114 B								Batch: C_R96577	
Sample ID: R08010296-001E	Sample Matrix Spike				Run: SUB-C96577			02/05/08 00:00	
Selenium-VI	0.0017	mg/L	0.0010	3	85	115			S
Sample ID: R08010296-001E	Sample Matrix Spike Duplicate				Run: SUB-C96577			02/05/08 00:00	
Selenium-VI	0.0025	mg/L	0.0010	4	85	115	39	10	SR
Method: A3114 B								Batch: C_SE3114-080205	
Sample ID: MBLK	Method Blank				Run: SUB-C96580			02/05/08 16:36	
Selenium	ND	mg/L	0.0004						
Sample ID: 288-20-3	Laboratory Control Sample				Run: SUB-C96580			02/05/08 16:44	
Selenium	0.055	mg/L	0.0010	110	90	110			
Sample ID: R08010296-001E	Sample Matrix Spike				Run: SUB-C96580			02/05/08 17:11	
Selenium	0.050	mg/L	0.0010	99	85	115			
Sample ID: R08010296-001E	Sample Matrix Spike Duplicate				Run: SUB-C96580			02/05/08 17:13	
Selenium	0.051	mg/L	0.0010	102	85	115	3.0	10	

Qualifiers:

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

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 02/26/08
Work Order: R08010296

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B									Batch: 080201_1_PH-W
Sample ID: LCS_pH-1_080201	Laboratory Control Sample				Run: PH_COND2-R_080201A				02/01/08 14:37
pH	6.94	s.u.	0.010	101	98.55	101.45			
Sample ID: R08010280-001ADUP	Sample Duplicate				Run: PH_COND2-R_080201A				02/01/08 14:39
pH	8.06	s.u.	0.010				0.1	1.25	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 02/26/08
Work Order: R08010296

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G								Batch: A2008-02-04_2_NH3_01	
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_080204A			02/04/08 16:20	
Nitrogen, Ammonia as N	0.26	mg/L	0.10	106	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_080204A			02/04/08 16:22	
Nitrogen, Ammonia as N	0.28	mg/L	0.10	111	90	110			S
Sample ID: MBLK-5	Method Blank				Run: TECHAA2-R_080204A			02/04/08 16:23	
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: R08010296-001BDUP	Sample Duplicate				Run: TECHAA2-R_080204A			02/04/08 16:34	
Nitrogen, Ammonia as N	0.24	mg/L	0.10				2.9	10	
Sample ID: R08010296-002BMS	Sample Matrix Spike				Run: TECHAA2-R_080204A			02/04/08 16:37	
Nitrogen, Ammonia as N	0.30	mg/L	0.10	106	80	120			

Qualifiers:

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

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11

Client: RESPEC Inc

Report Date: 02/26/08

Project: Edgemont

Work Order: R08010296

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: D5072-92									Batch: C_R96506
Sample ID: C08020027-012CDUP	Sample Duplicate				Run: SUB-C96506				02/01/08 16:58
Radon 222	365	pCi/L	100				47	30	R
- The RPD for the Dup is outside of the accepable range.									
Sample ID: MB-R96506	Method Blank				Run: SUB-C96506				02/01/08 16:58
Radon 222	ND	pCi/L	100						
Sample ID: LCS-R96506	Laboratory Control Sample				Run: SUB-C96506				02/01/08 16:58
Radon 222	317	pCi/L	100	104	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

R - RPD exceeds advisory limit.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 02/26/08
Work Order: R08010296

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R96996
Sample ID: LFB-TM	Laboratory Fortified Blank				Run: SUB-C96996				02/14/08 12:48
Silica	2.0	mg/L	0.10	100	85	125			
Boron	1.9	mg/L	0.10	97	85	125			
Iron	2.0	mg/L	0.030	100	85	125			
Sample ID: LFB-MAJORS	Laboratory Fortified Blank				Run: SUB-C96996				02/14/08 12:52
Calcium	25	mg/L	0.50	102	85	125			
Magnesium	24	mg/L	0.50	97	85	125			
Potassium	24	mg/L	0.50	96	85	125			
Sodium	24	mg/L	0.76	95	85	125			
Sample ID: C08020352-001CMS	Sample Matrix Spike				Run: SUB-C96996				02/14/08 13:40
Boron	10.2	mg/L	0.13	99	70	130			
Iron	9.56	mg/L	0.087	96	70	130			
Calcium	462	mg/L	0.79	92	70	130			
Magnesium	438	mg/L	0.80	88	70	130			
Potassium	1100	mg/L	0.50	92	70	130			
Silica	33.8	mg/L	0.11	85	70	130			
Sodium	693	mg/L	5.3	91	70	130			
Sample ID: C08020352-001CMSD	Sample Matrix Spike Duplicate				Run: SUB-C96996				02/14/08 13:43
Boron	10.6	mg/L	0.13	104	70	130	4.3	20	
Iron	9.89	mg/L	0.087	99	70	130	3.4	20	
Calcium	475	mg/L	0.79	95	70	130	2.8	20	
Magnesium	460	mg/L	0.80	92	70	130	5.0	20	
Potassium	1100	mg/L	0.50	92	70	130	0.3	20	
Silica	34.6	mg/L	0.11	93	70	130	2.4	20	
Sodium	697	mg/L	5.3	92	70	130	0.6	20	
Sample ID: LFB-TM	Laboratory Fortified Blank				Run: SUB-C96996				02/15/08 02:45
Silica	1.9	mg/L	0.10	97	85	125			
Boron	1.8	mg/L	0.10	91	85	125			
Iron	1.9	mg/L	0.030	95	85	125			
Sample ID: LFB-MAJORS	Laboratory Fortified Blank				Run: SUB-C96996				02/15/08 02:48
Calcium	24	mg/L	0.50	94	85	125			
Magnesium	24	mg/L	0.50	95	85	125			
Potassium	24	mg/L	0.50	97	85	125			
Sodium	23	mg/L	0.76	93	85	125			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 02/26/08
Work Order: R08010296

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7_8									Batch: C_R96996
Sample ID: C08011081-001CMS	Sample Matrix Spike				Run: SUB-C96996				02/14/08 15:59
Boron	103	mg/L	1.3	101	70	130			
Iron	98.9	mg/L	0.87	98	70	130			
Calcium	5700	mg/L	7.9	95	70	130			
Magnesium	4710	mg/L	8.0	93	70	130			
Potassium	11200	mg/L	4.4	93	70	130			
Silica	210	mg/L	1.1	99	70	130			
Sodium	5460	mg/L	53	93	70	130			
Sample ID: C08011081-001CMSD	Sample Matrix Spike Duplicate				Run: SUB-C96996				02/14/08 16:02
Boron	106	mg/L	1.3	105	70	130	3.7	20	
Iron	101	mg/L	0.87	100	70	130	2.0	20	
Calcium	5810	mg/L	7.9	97	70	130	1.9	20	
Magnesium	4810	mg/L	8.0	95	70	130	2.1	20	
Potassium	11300	mg/L	4.4	94	70	130	0.7	20	
Silica	215	mg/L	1.1	105	70	130	2.7	20	
Sodium	5420	mg/L	53	92	70	130	0.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 02/26/08
Work Order: R08010296

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_17699
Sample ID: MB-17699	Method Blank				Run: SUB-C96857				02/12/08 13:32
Mercury	ND	mg/L	6E-06						
Sample ID: C08020069-001AMS4	Post Digestion Spike				Run: SUB-C96857				02/12/08 16:21
Mercury	0.00620	mg/L	0.0010	89	70	130			
Sample ID: C08020069-001AMSD4	Post Digestion Spike Duplicate				Run: SUB-C96857				02/12/08 16:28
Mercury	0.00622	mg/L	0.0010	89	70	130	0.4	20	
Method: E200.8									Batch: C_R96857
Sample ID: LRB	Method Blank				Run: SUB-C96857				02/12/08 12:31
Aluminum	ND	mg/L	0.0001						
Arsenic	ND	mg/L	6E-05						
Barium	ND	mg/L	3E-05						
Cadmium	ND	mg/L	1E-05						
Chromium	ND	mg/L	4E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Manganese	ND	mg/L	5E-05						
Mercury	ND	mg/L	8E-05						
Molybdenum	ND	mg/L	5E-05						
Nickel	ND	mg/L	0.0007						
Silver	0.001	mg/L	3E-05						
Thorium 232	5E-05	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Vanadium	ND	mg/L	3E-05						
Zinc	ND	mg/L	0.0003						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C96857				02/12/08 12:38
Aluminum	0.0514	mg/L	0.0010	103	85	115			
Arsenic	0.0510	mg/L	0.0010	102	85	115			
Barium	0.0511	mg/L	0.0010	102	85	115			
Cadmium	0.0505	mg/L	0.0010	101	85	115			
Chromium	0.0507	mg/L	0.0010	101	85	115			
Copper	0.0502	mg/L	0.0010	100	85	115			
Lead	0.0505	mg/L	0.0010	101	85	115			
Manganese	0.0505	mg/L	0.0010	101	85	115			
Mercury	0.00512	mg/L	0.0010	102	85	115			
Molybdenum	0.0512	mg/L	0.0010	102	85	115			
Nickel	0.0511	mg/L	0.0010	102	85	115			
Silver	0.0203	mg/L	0.0010	96	85	115			
Thorium 232	0.0503	mg/L	0.0010	101	85	115			
Uranium	0.0504	mg/L	0.00030	101	85	115			
Vanadium	0.0507	mg/L	0.0010	101	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 02/26/08
Work Order: R08010296

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R96857
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C96857				02/12/08 12:38
Zinc	0.0520	mg/L	0.0010	104	85	115			
Sample ID: C08020018-001DMS4	Post Digestion Spike				Run: SUB-C96857				02/12/08 13:12
Aluminum	0.108	mg/L	0.10	95	70	130			
Arsenic	0.0544	mg/L	0.0010	108	70	130			
Barium	0.178	mg/L	0.10	93	70	130			
Cadmium	0.0523	mg/L	0.010	105	70	130			
Chromium	0.0531	mg/L	0.050	102	70	130			
Copper	0.0577	mg/L	0.010	102	70	130			
Lead	0.0541	mg/L	0.050	106	70	130			
Manganese	0.0551	mg/L	0.010	102	70	130			
Mercury	0.00527	mg/L	0.0010	105	70	130			
Molybdenum	0.0561	mg/L	0.10	109	70	130			
Nickel	0.0525	mg/L	0.050	103	70	130			
Silver	0.0181	mg/L	0.010	91	70	130			
Thorium 232	0.0522	mg/L	0.0010	104	70	130			
Uranium	0.0538	mg/L	0.00030	105	70	130			
Vanadium	0.0522	mg/L	0.10	103	70	130			
Zinc	0.103	mg/L	0.010	107	70	130			
Sample ID: C08020018-001DMSD4	Post Digestion Spike Duplicate				Run: SUB-C96857				02/12/08 13:19
Aluminum	0.114	mg/L	0.10	107	70	130	5.3	20	
Arsenic	0.0534	mg/L	0.0010	105	70	130	2.0	20	
Barium	0.178	mg/L	0.10	94	70	130	0.2	20	
Cadmium	0.0523	mg/L	0.010	105	70	130	0.1	20	
Chromium	0.0524	mg/L	0.050	101	70	130	1.3	20	
Copper	0.0572	mg/L	0.010	101	70	130	0.8	20	
Lead	0.0535	mg/L	0.050	105	70	130	1.2	20	
Manganese	0.0545	mg/L	0.010	101	70	130	1.0	20	
Mercury	0.00528	mg/L	0.0010	106	70	130	0.2	20	
Molybdenum	0.0557	mg/L	0.10	108	70	130	0.0	20	
Nickel	0.0519	mg/L	0.050	101	70	130	1.2	20	
Silver	0.0203	mg/L	0.010	102	70	130	11	20	
Thorium 232	0.0519	mg/L	0.0010	104	70	130	0.5	20	
Uranium	0.0531	mg/L	0.00030	103	70	130	1.3	20	
Vanadium	0.0517	mg/L	0.10	102	70	130	0.0	20	
Zinc	0.100	mg/L	0.010	102	70	130	2.3	20	
Sample ID: C08020114-003BMS4	Post Digestion Spike				Run: SUB-C96857				02/13/08 00:31
Aluminum	0.0512	mg/L	0.10	100	70	130			
Arsenic	0.0540	mg/L	0.0010	107	70	130			
Barium	0.0822	mg/L	0.10	105	70	130			
Cadmium	0.0531	mg/L	0.010	106	70	130			
Chromium	0.0512	mg/L	0.050	101	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 02/26/08
Work Order: R08010296

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R96857
Sample ID: C08020114-003BMS4	Post Digestion Spike				Run: SUB-C96857				02/13/08 00:31
Copper	0.0515	mg/L	0.010	102	70	130			
Lead	0.0543	mg/L	0.050	106	70	130			
Manganese	0.0546	mg/L	0.010	102	70	130			
Mercury	0.00516	mg/L	0.0010	103	70	130			
Molybdenum	0.0567	mg/L	0.10	103	70	130			
Nickel	0.0504	mg/L	0.050	101	70	130			
Silver	0.0172	mg/L	0.010	86	70	130			
Thorium 232	0.0562	mg/L	0.0010	112	70	130			
Uranium	0.160	mg/L	0.00030	104	70	130			
Vanadium	0.0518	mg/L	0.10	103	70	130			
Zinc	0.0882	mg/L	0.010	106	70	130			
Sample ID: C08020114-003BMSD4	Post Digestion Spike Duplicate				Run: SUB-C96857				02/13/08 00:37
Aluminum	0.0502	mg/L	0.10	98	70	130	0.0	20	
Arsenic	0.0534	mg/L	0.0010	106	70	130	1.2	20	
Barium	0.0820	mg/L	0.10	105	70	130	0.0	20	
Cadmium	0.0527	mg/L	0.010	105	70	130	0.8	20	
Chromium	0.0501	mg/L	0.050	99	70	130	2.3	20	
Copper	0.0513	mg/L	0.010	101	70	130	0.4	20	
Lead	0.0540	mg/L	0.050	105	70	130	0.5	20	
Manganese	0.0539	mg/L	0.010	100	70	130	1.4	20	
Mercury	0.00518	mg/L	0.0010	104	70	130	0.3	20	
Molybdenum	0.0564	mg/L	0.10	103	70	130	0.0	20	
Nickel	0.0502	mg/L	0.050	100	70	130	0.3	20	
Silver	0.0184	mg/L	0.010	92	70	130	6.8	20	
Thorium 232	0.0558	mg/L	0.0010	112	70	130	0.9	20	
Uranium	0.156	mg/L	0.00030	97	70	130	2.2	20	
Vanadium	0.0510	mg/L	0.10	101	70	130	0.0	20	
Zinc	0.0886	mg/L	0.010	107	70	130	0.5	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 02/26/08
Work Order: R08010296

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_17699
Sample ID: MB-17699	Method Blank				Run: SUB-C96944			02/13/08 17:26	
Mercury	3E-05	mg/L	3E-05						
Sample ID: C08020038-001DMS	Sample Matrix Spike				Run: SUB-C96944			02/13/08 18:12	
Mercury	0.0056	mg/L	0.0010	111	70	130			
Sample ID: C08020038-001DMSD	Sample Matrix Spike Duplicate				Run: SUB-C96944			02/13/08 18:19	
Mercury	0.0055	mg/L	0.0010	110	70	130	1.0	20	
Method: E200.8									Batch: C_R96944
Sample ID: LRB	Method Blank				Run: SUB-C96944			02/13/08 15:42	
Uranium	ND	mg/L	4E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C96944			02/13/08 15:49	
Uranium	0.0475	mg/L	0.00030	95	85	115			
Sample ID: LCS1-17696	Laboratory Control Sample				Run: SUB-C96944			02/14/08 03:19	
Uranium	0.0511	mg/L	0.00030	102	80	120			
Sample ID: R08010296-002I	Post Digestion Spike				Run: SUB-C96944			02/14/08 03:49	
Uranium	0.0539	mg/L	0.00030	106	70	130			
Sample ID: R08010296-002I	Post Digestion Spike Duplicate				Run: SUB-C96944			02/14/08 03:57	
Uranium	0.0539	mg/L	0.00030	106	70	130	0.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 02/26/08
Work Order: R08010296

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R33354
Sample ID: LFB0801311244-1	Laboratory Fortified Blank				Run: DIONEX_080131A				01/31/08 18:13
Chloride	4.84	mg/L	0.50	97	90	110			
Fluoride	2.10	mg/L	0.10	105	90	110			
Nitrogen, Nitrate as N	2.49	mg/L	0.10	100	90	110			
Nitrogen, Nitrite as N	2.48	mg/L	0.10	99	90	110			
Sulfate	14.4	mg/L	1.0	96	90	110			
Sample ID: LFB0801311244-1	Laboratory Fortified Blank				Run: DIONEX_080131A				01/31/08 18:28
Chloride	4.74	mg/L	0.50	95	90	110			
Fluoride	1.98	mg/L	0.10	99	90	110			
Nitrogen, Nitrate as N	2.44	mg/L	0.10	98	90	110			
Nitrogen, Nitrite as N	2.40	mg/L	0.10	96	90	110			
Sulfate	14.1	mg/L	1.0	94	90	110			
Sample ID: R08010278-001I MS	Sample Matrix Spike				Run: DIONEX_080131A				01/31/08 18:59
Chloride	7.66	mg/L	0.50	85	80	120			
Fluoride	2.11	mg/L	0.10	93	80	120			
Nitrogen, Nitrate as N	2.71	mg/L	0.10	95	80	120			
Nitrogen, Nitrite as N	2.56	mg/L	0.10	102	80	120			
Sulfate	60.5	mg/L	1.0	75	80	120			S
Sample ID: R08010278-001I MSD	Sample Matrix Spike Duplicate				Run: DIONEX_080131A				01/31/08 19:15
Chloride	7.42	mg/L	0.50	80	80	120	3.2	10	
Fluoride	2.08	mg/L	0.10	91	80	120	1.4	10	
Nitrogen, Nitrate as N	2.71	mg/L	0.10	95	80	120	0.0	10	
Nitrogen, Nitrite as N	2.53	mg/L	0.10	101	80	120	1.2	10	
Sulfate	60.5	mg/L	1.0	75	80	120	0.0	10	S

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 02/26/08
Work Order: R08010296

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0									Batch: C_GrAB-0394
Sample ID: MB-GrAB-0394	Method Blank				Run: SUB-C97004				02/12/08 04:24
Gross Alpha	ND	pCi/L	1						
Gross Beta	ND	pCi/L	2						
Sample ID: UNAT-GrAB-0394	Laboratory Control Sample				Run: SUB-C97004				02/12/08 04:24
Gross Alpha	200	pCi/L	1.0	99	70	130			
Sample ID: Cs137-GrAB-0394	Laboratory Control Sample				Run: SUB-C97004				02/12/08 04:24
Gross Beta	90	pCi/L	2.0	99	70	130			
Sample ID: C08020114-001AMS	Sample Matrix Spike				Run: SUB-C97004				02/12/08 04:24
Gross Alpha	300	pCi/L	1.0	101	70	130			
Sample ID: C08020114-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C97004				02/12/08 04:24
Gross Alpha	290	pCi/L	1.0	95	70	130	5.1	12.5	
Sample ID: C08020114-001AMS	Sample Matrix Spike				Run: SUB-C97004				02/12/08 04:24
Gross Beta	110	pCi/L	2.0	96	70	130			
Sample ID: C08020114-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C97004				02/12/08 04:24
Gross Beta	110	pCi/L	2.0	97	70	130	1.3	15.3	
Sample ID: R08010296-002H	Sample Duplicate				Run: SUB-C97004				02/13/08 08:21
Gross Alpha	650	pCi/L	1.0				0.7	11.4	
Gross Beta	220	pCi/L	2.0				2.2	13.9	
Sample ID: RB-GrAB-0394	Method Blank				Run: SUB-C97004				02/12/08 04:24
Gross Alpha	ND	pCi/L	1						
Gross Beta	ND	pCi/L	2						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 02/26/08
Work Order: R08010296

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E901.1									Batch: C_17696
Sample ID: R08010296-002H	Sample Duplicate				Run: SUB-C96781				02/06/08 15:40
Americium 241	ND	pCi/L	20				0.0	30	
Barium 133	ND	pCi/L	20				0.0	30	
Bismuth 212	ND	pCi/L	20				0.0	30	
Bismuth 214	5600	pCi/L	20				20	30	
Cesium 134	ND	pCi/L	20				0.0	30	
Cesium 137	ND	pCi/L	20				0.0	30	
Cobalt 60	ND	pCi/L	20				0.0	30	
Iodine 125	ND	pCi/L	20				0.0	30	
Iodine 131	ND	pCi/L	20				0.0	30	
Lead 212	ND	pCi/L	20				0.0	30	
Lead 214	5200	pCi/L	20				15	30	
Manganese 54	ND	pCi/L	20				0.0	30	
Potassium 40	ND	pCi/L	20				0.0	30	
Radium 223	ND	pCi/L	20				0.0	30	
Radium 224	ND	pCi/L	20				0.0	30	
Thallium 208	ND	pCi/L	20				0.0	30	
Thorium 228	ND	pCi/L	20				0.0	30	
Thorium 234	ND	pCi/L	20				0.0	30	
Zinc 65	ND	pCi/L	20				0.0	30	
Radium 228	ND	pCi/L	20				0.0	30	
Gross Gamma	11000	pCi/L	20				18	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 02/26/08
Work Order: R08010296

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: C_RA226-2608
Sample ID: C08020055-004AMS	Sample Matrix Spike				Run: SUB-C96760				02/10/08 13:30
Radium 226	10	pCi/L	0.20	80	70	130			
Sample ID: C08020055-004AMSD	Sample Matrix Spike Duplicate				Run: SUB-C96760				02/10/08 13:30
Radium 226	11	pCi/L	0.20	89	70	130	11	31.3	
Sample ID: LCS-RA226-2608	Laboratory Control Sample				Run: SUB-C96760				02/10/08 15:03
Radium 226	12	pCi/L	0.20	91	70	130			
Sample ID: MB-RA226-2608	Method Blank				Run: SUB-C96760				02/10/08 15:03
Radium 226	ND	pCi/L	0.2						
Method: E903.0									Batch: C_R96882
Sample ID: C08020054-003CMS	Sample Matrix Spike				Run: SUB-C96882				02/13/08 11:10
Radium 226	2.5	pCi/L	0.20	70	70	130			
Sample ID: C08020054-003CMSD	Sample Matrix Spike Duplicate				Run: SUB-C96882				02/13/08 11:10
Radium 226	2.7	pCi/L	0.20	81	70	130	7.2	28.8	
Sample ID: LCS-17696	Laboratory Control Sample				Run: SUB-C96882				02/13/08 11:10
Radium 226	52	pCi/L	0.20	83	70	130			
Sample ID: MB-17696	Method Blank				Run: SUB-C96882				02/13/08 11:10
Radium 226	ND	pCi/L	4E-06						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

Energy Laboratories Inc.
2821 Plant St
Rapid City, SD 57702-
(605) 342-1225

CHAIN-OF-CUSTODY RECORD

Custody Seal: Y N
Intacted: Y N
Signature Match: Y N

Shipped By:
Receipt Temp:

Subcontractor:
ELI - Casper
PO Box 3258
Casper, WY 82602
TEL: FAX:
Acct #:

Subcontractor's Client: RESPEC Inc

Shipped By:

Sample ID	Matrix	Collection Date	Bottle Type	Requested Tests: 200_7_8-W-D	200_7_8-W-SUS	200_7_8-W-T	CVAA-SE-3114-W-D	CVAA-SEIV-3114-W	CVAA-SEVI-3114-W	RAD-G-ALPHABET	RAD-G-GAMMA-W-	RAD-PB210-W-D	RAD-PB210-W-SUS	RAD-PO210-W-D	RAD-PO210-W-SUS	RAD-RA226-W-D	RAD-RA226-W-SUS	RAD-RN222-W	RAD-TH-ISO-W-D	RAD-TH-ISO-W-SU
R08010296-001C	Aqueous	01/30/08 01:50 P	500ML-P-F-HNO3	1																
R08010296-001D	Aqueous	01/30/08 01:50 P	500ML-P-NF-HNO3			1														
R08010296-001E	Aqueous	01/30/08 01:50 P	500ML-P-F-HNO3				1	1	1											
R08010296-001G	Aqueous	01/30/08 01:50 P	40ML-CG-VOA															1		
R08010296-001H	Aqueous	01/30/08 01:50 P	1GAL-CUBE-F-HNO3							1	1	1		1		1			1	
R08010296-001I	Aqueous	01/30/08 01:50 P	ZIPLOCK		1								1		1		1			1
R08010296-002C	Aqueous	01/30/08 03:40 P	500ML-P-F-HNO3	1																
R08010296-002D	Aqueous	01/30/08 03:40 P	500ML-P-NF-HNO3			1														
R08010296-002E	Aqueous	01/30/08 03:40 P	500ML-P-F-HNO3				1	1	1											
R08010296-002G	Aqueous	01/30/08 03:40 P	40ML-CG-VOA															1		
R08010296-002H	Aqueous	01/30/08 03:40 P	1GAL-CUBE-F-HNO3							1	1	1		1		1			1	
R08010296-002I	Aqueous	01/30/08 03:40 P	ZIPLOCK		1								1		1		1			1

Comments:

QC Level:

	Date/Time		Date/Time
Relinquished by:		**Received by:**	
Relinquished by:		**Received by:**	

Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT- Provide as much information as possible.

Company Name: RESPEC	Project Name, PWS, Permit, Etc.: PowerTech Devey Burdock	Sample Origin State: SD	EPA/State Compliance: Yes ☐ No ☐
Report Mail Address: RESPEC	Contact Name: Phone/Fax: Cory.foremon@respec.com 605.394.6507	Email:	Sampler: (Please Print)
Invoice Address: RESPEC	Invoice Contact & Phone:	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 W S V B O
Air Water Soils/Solids Vegetation Bioassay Other

ANALYSIS REQUESTED: As Per Quote

SEE ATTACHED

Normal Turnaround (TAT)

RUSH

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

Comments: Both Groundwater

Shipped by:

Cooler ID(s):

Receipt Temp: 1.2 °C

On Ice: (Yes) No

Custody Seal Y N
Intact Y N
Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX												
1	Dev Burd GW680	01/30/08	13:50	W										set 5		
2	Dev Burd GW681	01/30/08	15:40	W										set 3		
3																
4																
5																
6																
7																
8																
9																
10																

LABORATORY USE ONLY: L08010296-001 002

Custody Record MUST be Signed

Relinquished by (print): Eric Kenyon Date/Time: 01/31/08 08:15 Signature:

Received by (print): Steve Troiland Date/Time: 1-31-08 8:15 Signature:

Relinquished by (print): Date/Time: Signature:

Received by (print): Date/Time: Signature:

Sample Disposal: Return to Client: _____ Lab Disposal: _____

Received by Laboratory: Date/Time: 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.

July 2012

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ANALYTICAL SUMMARY REPORT

March 13, 2008

Cory Foreman
RESPEC Inc
3824 Jet Dr
Rapid City, SD 57701-

Workorder No.: R08020006 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 1 sample from RESPEC Inc on 2/4/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08020006-001	DewBurd GW679	02/03/08 16:25	02/04/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved

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: Linda Larson

Linda Larson
Rapid City - Project Manager

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020006-001
Client Sample ID: DewBurd GW679

Report Date: 03/13/08
Collection Date: 02/03/08 16:25
Date Received: 02/04/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	144	mg/L		5		1	A2320 B	02/06/08 14:11/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	02/06/08 14:11/sn
Bicarbonate as HCO3	176	mg/L		5		1	A2320 B	02/06/08 14:11/sn
Calcium	440	mg/L	D	1		10	E200.7	02/19/08 19:17/eli-c
Chloride	13	mg/L		1		1	E300.0	02/05/08 01:48/sn
Fluoride	0.4	mg/L		0.1		1	E300.0	02/05/08 01:48/sn
Magnesium	100	mg/L		0.5		1	E200.7	02/19/08 22:44/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	02/05/08 11:42/sn
Nitrogen, Nitrate as N	1.3	mg/L		0.1		1	E300.0	02/05/08 01:48/sn
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	02/05/08 01:48/sn
Potassium	11.8	mg/L		0.5		1	E200.7	02/19/08 22:44/eli-c
Silica	12.7	mg/L		0.5		1	E200.7	02/19/08 22:44/eli-c
Sodium	77.6	mg/L	D	0.8		1	E200.7	02/19/08 22:44/eli-c
Sulfate	1420	mg/L	D	3		50	E300.0	02/05/08 01:17/sn
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1970	umhos/cm		5.0		1	A2510 B	02/08/08 15:45/jmh
Oxidation-Reduction Potential	200	mV				1	A2580 B	02/04/08 00:00/sn
pH	7.66	s.u.		0.01		1	A4500-H B	02/09/08 13:58/jmh
Sodium Adsorption Ratio (SAR)	0.87	unitless		0.10		1	Calculation	03/10/08 18:32/sec
Solids, Total Dissolved TDS @ 180 C	2500	mg/L		5		1	A2540 C	02/05/08 14:50/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.7	02/19/08 22:44/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	02/10/08 02:18/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/10/08 02:18/eli-c
Boron	0.4	mg/L		0.1		1	E200.7	02/19/08 22:44/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/10/08 02:18/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/10/08 02:18/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/10/08 02:18/eli-c
Iron	ND	mg/L		0.03		1	E200.7	02/19/08 22:44/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/10/08 02:18/eli-c
Manganese	0.03	mg/L		0.01		1	E200.8	02/10/08 02:18/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/10/08 02:18/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	02/10/08 02:18/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/10/08 02:18/eli-c
Selenium	0.013	mg/L		0.005		1	A3114 B	02/08/08 10:40/eli-ca
Silver	ND	mg/L		0.005		1	E200.8	02/10/08 02:18/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020006-001
Client Sample ID: DewBurd GW679

Report Date: 03/13/08
Collection Date: 02/03/08 16:25
Date Received: 02/04/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	02/10/08 02:18/eli-c
Uranium	0.0139	mg/L		0.0003		1	E200.8	02/10/08 02:18/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	02/10/08 02:18/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	02/10/08 02:18/eli-c
METALS - SUSPENDED								
Uranium	0.0007	mg/L		0.0003		1	E200.8	02/15/08 22:35/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	02/08/08 09:12/eli-ca
Selenium-VI	0.012	mg/L		0.001		1	A3114 B	02/08/08 11:01/eli-ca
RADIONUCLIDES - DISSOLVED								
Gross Alpha	18.4	pCi/L		1.0		1	E900.0	02/14/08 02:25/eli-c
Gross Alpha precision (±)	2.3	pCi/L				1	E900.0	02/14/08 02:25/eli-c
Gross Beta	7.2	pCi/L		2.0		1	E900.0	02/14/08 02:25/eli-c
Gross Beta precision (±)	5.1	pCi/L				1	E900.0	02/14/08 02:25/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	02/07/08 09:30/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	02/11/08 12:30/eli-c
Radium 226	0.9	pCi/L		0.2		1	E903.0	02/12/08 07:52/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	02/12/08 07:52/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	02/06/08 16:00/eli-c
Gross Gamma	86	pCi/L		20		1	E901.1	02/06/08 15:40/eli-c
Gross Gamma precision (±)	27	pCi/L				1	E901.1	02/06/08 15:40/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	02/19/08 07:00/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	02/21/08 15:15/eli-c
Radium 226	9.0	pCi/L		0.2		1	E903.0	02/24/08 18:05/eli-c
Radium 226 precision (±)	2.0	pCi/L				1	E903.0	02/24/08 18:05/eli-c
Thorium 230	0.4	pCi/L		0.2		1	E907.0	02/19/08 15:45/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	02/19/08 15:45/eli-c
- Thorium was detected in the associated blank.								
RADIONUCLIDES - TOTAL								
Radon 222	2170	pCi/L		100		1	D5072-92	02/07/08 10:18/eli-c
Radon 222 precision (±)	137	pCi/L				1	D5072-92	02/07/08 10:18/eli-c
TOTAL METALS ANALYSES								

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020006-001
Client Sample ID: DewBurd GW679

Report Date: 03/13/08
Collection Date: 02/03/08 16:25
Date Received: 02/04/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	02/12/08 23:37/eli-c
Arsenic	0.007	mg/L		0.001		1	E200.8	02/12/08 23:37/eli-c
Barium	0.2	mg/L		0.1		1	E200.8	02/12/08 23:37/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	02/12/08 23:37/eli-c
Boron	ND	mg/L		0.1		1	E200.7	02/19/08 22:47/eli-c
Cadmium	ND	mg/L		0.001		1	E200.8	02/12/08 23:37/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/12/08 23:37/eli-c
Copper	0.02	mg/L		0.01		1	E200.8	02/12/08 23:37/eli-c
Iron	14.9	mg/L	D	0.09		10	E200.7	02/19/08 19:20/eli-c
Lead	0.015	mg/L		0.001		1	E200.8	02/12/08 23:37/eli-c
Manganese	0.35	mg/L		0.01		1	E200.8	02/12/08 23:37/eli-c
Mercury	0.00002	mg/L		6.0E-06		1	E200.8	02/12/08 23:37/eli-c
Molybdenum	0.01	mg/L		0.01		1	E200.8	02/12/08 23:37/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/12/08 23:37/eli-c
Selenium	0.014	mg/L		0.001		1	E200.8	02/12/08 23:37/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/12/08 23:37/eli-c
Strontium	7.3	mg/L		0.1		1	E200.8	02/12/08 23:37/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	02/12/08 23:37/eli-c
Uranium	0.0154	mg/L		0.0003		1	E200.8	02/12/08 23:37/eli-c
Zinc	0.06	mg/L		0.01		1	E200.8	02/12/08 23:37/eli-c
DATA QUALITY								
A/C Balance (± 5)	1.37	%				1	A1030 E	03/10/08 18:35/sec
Anions	33.0	meq/L				1	A1030 E	03/10/08 18:35/sec
Cations	33.9	meq/L				1	A1030 E	03/10/08 18:35/sec
Solids, Total Dissolved Calculated	2160	mg/L				1	A1030 E	03/10/08 18:35/sec
TDS Balance (0.80 - 1.20)	1.18	dec. %				1	A1030 E	03/10/08 18:35/sec

Report Definitions:
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D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 03/13/08
Work Order: R08020006

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B									Batch: 080206A-ALK-W
Sample ID: R08020047-006AMS	Sample Matrix Spike				Run: PH_COND1-R_080206A				02/06/08 14:58
Alkalinity, Total as CaCO3	292	mg/L	5.0	106	80	120			
Sample ID: R08020047-006AMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_080206A				02/06/08 15:00
Alkalinity, Total as CaCO3	286	mg/L	5.0	100	80	120	2.1	10	
Method: A2510 B									Batch: 080208_1_COND-PROBE-W
Sample ID: LCS1-1_080208	Laboratory Control Sample				Run: PH_COND2-R_080208A				02/08/08 15:42
Conductivity @ 25 C	156	umhos/cm	5.0	104	90	110			
Sample ID: LCS2-1_080208	Laboratory Control Sample				Run: PH_COND2-R_080208A				02/08/08 15:43
Conductivity @ 25 C	4950	umhos/cm	5.0	99	90	110			
Sample ID: LCS_COND-1_080208	Laboratory Control Sample				Run: PH_COND2-R_080208A				02/08/08 15:43
Conductivity @ 25 C	1410	umhos/cm	5.0	100	90	110			
Sample ID: MBLK-1_080208	Method Blank				Run: PH_COND2-R_080208A				02/08/08 15:44
Conductivity @ 25 C	ND	umhos/cm	5						
Sample ID: R08020006-001ADUP	Sample Duplicate				Run: PH_COND2-R_080208A				02/08/08 15:46
Conductivity @ 25 C	1950	umhos/cm	5.0				1.0	10	
Method: A2540 C									Batch: 080205A-SLDS-TDS-W
Sample ID: MBLK1_080205A	Method Blank				Run: BAL-4-R_080205A				02/05/08 14:46
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: LCS1_080205A	Laboratory Control Sample				Run: BAL-4-R_080205A				02/05/08 14:46
Solids, Total Dissolved TDS @ 180 C	210	mg/L	5.0	105	90	110			
Sample ID: R08010303-002BMS	Sample Matrix Spike				Run: BAL-4-R_080205A				02/05/08 14:48
Solids, Total Dissolved TDS @ 180 C	780	mg/L	5.0	102	80	120			
Sample ID: R08010303-002BMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080205A				02/05/08 14:48
Solids, Total Dissolved TDS @ 180 C	770	mg/L	5.0	100	80	120	0.5	10	
Method: A2580 B									Batch: R33453
Sample ID: LCS_020408	Laboratory Control Sample				Run: PH_COND1-R_080204A				02/04/08 00:00
Oxidation-Reduction Potential	490	mV		102	95	105			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 03/13/08
Work Order: R08020006

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B									Batch: C_R96705
Sample ID: R08020006-001E	Sample Matrix Spike				Run: SUB-C96705				02/08/08 11:01
Selenium-VI	0.058	mg/L	0.0010	91	85	115			
Sample ID: R08020006-001E	Sample Matrix Spike Duplicate				Run: SUB-C96705				02/08/08 11:01
Selenium-VI	0.057	mg/L	0.0010	89	85	115	1.8	10	
Method: A3114 B									Batch: C_SE3114-080208
Sample ID: MBLK	Method Blank				Run: SUB-C96704				02/08/08 09:58
Selenium	ND	mg/L	0.0004						
Sample ID: 288-20-3	Laboratory Control Sample				Run: SUB-C96704				02/08/08 10:05
Selenium	0.052	mg/L	0.0010	104	90	110			
Sample ID: R08020006-001E	Sample Matrix Spike				Run: SUB-C96704				02/08/08 10:47
Selenium	0.064	mg/L	0.0010	103	85	115			
Sample ID: R08020006-001E	Sample Matrix Spike Duplicate				Run: SUB-C96704				02/08/08 10:49
Selenium	0.062	mg/L	0.0010	99	85	115	3.1	10	
Method: A3114 B									Batch: C_SEIV3114-080208
Sample ID: MBLK	Method Blank				Run: SUB-C96693				02/08/08 09:08
Selenium-IV	0.0004	mg/L	0.0002						
Sample ID: 288-20-3	Laboratory Control Sample				Run: SUB-C96693				02/08/08 09:10
Selenium-IV	0.050	mg/L	0.0010	98	90	110			
Sample ID: R08020006-001E	Sample Matrix Spike				Run: SUB-C96693				02/08/08 09:14
Selenium-IV	0.051	mg/L	0.0010	101	85	115			
Sample ID: R08020006-001E	Sample Matrix Spike Duplicate				Run: SUB-C96693				02/08/08 09:16
Selenium-IV	0.051	mg/L	0.0010	101	85	115	0.2	10	
Method: A4500-H B									Batch: 080209_1_PH-W
Sample ID: LCS_pH-1_080209	Laboratory Control Sample				Run: PH_COND2-R_080209A				02/09/08 13:57
pH	6.96	s.u.	0.010	101	98.55	101.45			
Sample ID: R08020006-001ADUP	Sample Duplicate				Run: PH_COND2-R_080209A				02/09/08 13:59
pH	7.68	s.u.	0.010				0.3	1.25	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 03/13/08
Work Order: R08020006

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G								Batch: A2008-02-05_2_NH3_02	
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_080205A			02/05/08 11:01	
Nitrogen, Ammonia as N	0.23	mg/L	0.10	94	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_080205A			02/05/08 11:03	
Nitrogen, Ammonia as N	0.23	mg/L	0.10	93	90	110			
Sample ID: MBLK-5	Method Blank				Run: TECHAA2-R_080205A			02/05/08 11:04	
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: R08010298-001BDUP	Sample Duplicate				Run: TECHAA2-R_080205A			02/05/08 11:33	
Nitrogen, Ammonia as N	0.10	mg/L	0.10				17	10	R
Sample ID: R08010298-002BMS	Sample Matrix Spike				Run: TECHAA2-R_080205A			02/05/08 11:35	
Nitrogen, Ammonia as N	0.24	mg/L	0.10	96	80	120			
Method: D5072-92								Batch: C_R96700	
Sample ID: C08020146-002ADUP	Sample Duplicate				Run: SUB-C96700			02/07/08 10:18	
Radon 222	557	pCi/L	100				9.5	30	
Sample ID: MB-R96700	Method Blank				Run: SUB-C96700			02/07/08 10:18	
Radon 222	ND	pCi/L	100						
Sample ID: LCS-R96700	Laboratory Control Sample				Run: SUB-C96700			02/07/08 10:18	
Radon 222	320	pCi/L	100	105	70	130			
Method: E200.7								Batch: C_17707	
Sample ID: MB-17707	Method Blank				Run: SUB-C97058			02/15/08 14:08	
Boron	ND	mg/L	0.01						
Iron	ND	mg/L	0.009						
Sample ID: LCS-17707	Laboratory Control Sample				Run: SUB-C97126			02/19/08 12:52	
Boron	0.517	mg/L	0.10	103	85	115			
Iron	0.528	mg/L	0.030	106	85	115			
Sample ID: R08020006-001D	Sample Matrix Spike				Run: SUB-C97126			02/19/08 22:51	
Boron	ND	mg/L	0.10		70	130			S
Iron	15.1	mg/L	0.030		70	130			A
- Matrix spike recoveries outside the acceptance range are considered matrix-related.									
Sample ID: R08020006-001D	Sample Matrix Spike Duplicate				Run: SUB-C97126			02/19/08 22:54	
Boron	ND	mg/L	0.10		70	130	0.0	20	S
Iron	16.0	mg/L	0.030		70	130	5.5	20	A
- Matrix spike recoveries outside the acceptance range are considered matrix-related.									

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

R - RPD exceeds advisory limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 03/13/08
Work Order: R08020006

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R97126
Sample ID: LFB-TM	Laboratory Fortified Blank				Run: SUB-C97126				02/19/08 11:34
Silica	1.9	mg/L	0.10	97	85	125			
Aluminum	2.0	mg/L	0.10	98	85	125			
Boron	1.9	mg/L	0.10	94	85	125			
Iron	2.0	mg/L	0.030	99	85	125			
Sample ID: LFB-MAJORS	Laboratory Fortified Blank				Run: SUB-C97126				02/19/08 11:37
Calcium	25	mg/L	0.50	98	85	125			
Magnesium	24	mg/L	0.50	97	85	125			
Potassium	25	mg/L	0.50	100	85	125			
Sodium	25	mg/L	0.76	99	85	125			
Sample ID: C08010814-001CMS	Sample Matrix Spike				Run: SUB-C97126				02/19/08 17:12
Aluminum	9.43	mg/L	0.10	94	70	130			
Boron	9.59	mg/L	0.10	96	70	130			
Iron	9.16	mg/L	0.046	92	70	130			
Calcium	668	mg/L	1.0	86	70	130			
Magnesium	445	mg/L	0.50	89	70	130			
Potassium	1110	mg/L	0.50	91	70	130			
Silica	11.5	mg/L	0.20		0	0			
Sodium	737	mg/L	7.6	88	70	130			
Sample ID: C08010814-001CMSD	Sample Matrix Spike Duplicate				Run: SUB-C97126				02/19/08 17:15
Aluminum	9.70	mg/L	0.10	97	70	130	2.8	20	
Boron	10.2	mg/L	0.10	102	70	130	6.3	20	
Iron	9.59	mg/L	0.046	96	70	130	4.6	20	
Calcium	670	mg/L	1.0	87	70	130	0.3	20	
Magnesium	448	mg/L	0.50	90	70	130	0.6	20	
Potassium	1090	mg/L	0.50	89	70	130	2.0	20	
Silica	11.8	mg/L	0.20	96	70	130	2.4	20	
Sodium	723	mg/L	7.6	85	70	130	1.9	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 03/13/08
Work Order: R08020006

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_17707
Sample ID: R08020006-001D	Post Digestion Spike				Run: SUB-C96857				02/12/08 23:43
Antimony	0.0615	mg/L	0.050	87	70	130			
Arsenic	0.0770	mg/L	0.0010	100	70	130			
Barium	0.300	mg/L	0.10	89	70	130			
Beryllium	0.0580	mg/L	0.010	82	70	130			
Cadmium	0.0696	mg/L	0.010	99	70	130			
Chromium	0.0717	mg/L	0.050	85	70	130			
Copper	0.0850	mg/L	0.010	93	70	130			
Lead	0.0846	mg/L	0.050	100	70	130			
Manganese	0.411	mg/L	0.010		70	130			A
Mercury	0.00552	mg/L	0.0010	79	70	130			
Molybdenum	0.0781	mg/L	0.10	97	70	130			
Nickel	0.0864	mg/L	0.050	91	70	130			
Selenium	0.155	mg/L	0.0010	94	70	130			
Silver	0.0306	mg/L	0.010	76	70	130			
Strontium	7.40	mg/L	0.10		70	130			A
Thallium	0.0703	mg/L	0.10	100	70	130			
Uranium	0.0909	mg/L	0.00030	108	70	130			
Zinc	0.135	mg/L	0.010	106	70	130			
- Matrix spike recoveries outside the acceptance range are considered matrix-related.									
Sample ID: R08020006-001D	Post Digestion Spike Duplicate				Run: SUB-C96857				02/12/08 23:50
Antimony	0.0431	mg/L	0.050	61	70	130	0.0	20	S
Arsenic	0.0799	mg/L	0.0010	104	70	130	3.7	20	
Barium	0.317	mg/L	0.10	113	70	130	5.5	20	
Beryllium	0.0587	mg/L	0.010	83	70	130	1.1	20	
Cadmium	0.0702	mg/L	0.010	100	70	130	1.0	20	
Chromium	0.0733	mg/L	0.050	87	70	130	2.2	20	
Copper	0.0875	mg/L	0.010	96	70	130	2.8	20	
Lead	0.0882	mg/L	0.050	105	70	130	4.2	20	
Manganese	0.426	mg/L	0.010		70	130	3.5	20	A
Mercury	0.00586	mg/L	0.0010	83	70	130	5.9	20	
Molybdenum	0.0788	mg/L	0.10	98	70	130	0.0	20	
Nickel	0.0900	mg/L	0.050	96	70	130	4.0	20	
Selenium	0.163	mg/L	0.0010	99	70	130	5.2	20	
Silver	0.0277	mg/L	0.010	69	70	130	10.0	20	S
Strontium	8.08	mg/L	0.10		70	130	8.8	20	A
Thallium	0.0727	mg/L	0.10	104	70	130	0.0	20	
Uranium	0.0974	mg/L	0.00030	117	70	130	6.9	20	
Zinc	0.137	mg/L	0.010	110	70	130	2.1	20	
- Matrix spike recoveries outside the acceptance range are considered matrix-related.									

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 03/13/08
Work Order: R08020006

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_17707
Sample ID: MB-17707	Method Blank				Run: SUB-C97005				02/14/08 16:01
Antimony	ND	mg/L	0.0003						
Arsenic	ND	mg/L	0.0001						
Barium	0.0001	mg/L	8E-05						
Beryllium	ND	mg/L	7E-05						
Cadmium	ND	mg/L	0.0004						
Chromium	0.0003	mg/L	0.0003						
Copper	ND	mg/L	8E-05						
Lead	ND	mg/L	0.0001						
Manganese	ND	mg/L	5E-05						
Mercury	5E-05	mg/L	3E-05						
Molybdenum	0.0004	mg/L	0.0002						
Nickel	9E-05	mg/L	6E-05						
Selenium	0.0003	mg/L	0.0002						
Silver	ND	mg/L	0.0002						
Strontium	ND	mg/L	7E-05						
Thallium	ND	mg/L	5E-05						
Uranium	ND	mg/L	4E-05						
Sample ID: LCS1-17707	Laboratory Control Sample				Run: SUB-C97005				02/14/08 16:08
Antimony	0.0195	mg/L	0.050	98	80	120			
Arsenic	0.0197	mg/L	0.0010	99	80	120			
Barium	0.0211	mg/L	0.10	105	80	120			
Beryllium	0.0166	mg/L	0.010	83	80	120			
Cadmium	0.0200	mg/L	0.010	100	80	120			
Chromium	0.0152	mg/L	0.050	74	80	120			S
Copper	0.0206	mg/L	0.010	103	80	120			
Lead	0.0200	mg/L	0.050	100	80	120			
Manganese	0.0166	mg/L	0.010	83	80	120			
Molybdenum	0.0202	mg/L	0.10	99	80	120			
Nickel	0.0210	mg/L	0.050	105	80	120			
Selenium	0.0954	mg/L	0.0010	95	80	120			
Silver	0.0193	mg/L	0.010	97	80	120			
Strontium	0.0102	mg/L	0.10	102	80	120			
Thallium	0.0199	mg/L	0.10	99	80	120			
Uranium	0.0180	mg/L	0.00030	90	80	120			
Sample ID: LCS-17707	Laboratory Control Sample				Run: SUB-C97005				02/14/08 16:16
Antimony	0.510	mg/L	0.050	102	85	115			
Arsenic	0.515	mg/L	0.0013	103	85	115			
Barium	0.542	mg/L	0.10	108	85	115			
Beryllium	0.548	mg/L	0.010	110	85	115			

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 03/13/08
Work Order: R08020006

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_17707
Sample ID: LCS-17707	Laboratory Control Sample				Run: SUB-C97005				02/14/08 16:16
Cadmium	0.503	mg/L	0.010	101	85	115			
Chromium	0.548	mg/L	0.050	110	85	115			
Copper	0.522	mg/L	0.010	104	85	115			
Lead	0.514	mg/L	0.050	103	85	115			
Manganese	0.535	mg/L	0.010	107	85	115			
Molybdenum	0.516	mg/L	0.10	103	85	115			
Nickel	0.537	mg/L	0.050	107	85	115			
Selenium	0.493	mg/L	0.0022	99	85	115			
Silver	0.200	mg/L	0.010	100	85	115			
Strontium	0.509	mg/L	0.10	102	85	115			
Thallium	0.517	mg/L	0.10	103	85	115			
Uranium	0.472	mg/L	0.00038	94	85	115			
Method: E200.8									Batch: C_17774
Sample ID: MB-17774	Method Blank				Run: SUB-C97045				02/15/08 22:25
Uranium	8E-05	mg/L	4E-05						
Sample ID: LCS1-17774	Laboratory Control Sample				Run: SUB-C97045				02/15/08 22:30
Uranium	0.0445	mg/L	0.00030	89	80	120			
Sample ID: C08020336-005IMS	Sample Matrix Spike				Run: SUB-C97169				02/21/08 00:10
Uranium	0.0115	mg/L	0.00030	89	70	130			
Sample ID: C08020336-005IMSD	Sample Matrix Spike Duplicate				Run: SUB-C97169				02/21/08 00:15
Uranium	0.0113	mg/L	0.00030	87	70	130	1.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 03/13/08
Work Order: R08020006

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R96757
Sample ID: LRB	Method Blank				Run: SUB-C96757				02/09/08 10:21
Arsenic	ND	mg/L	6E-05						
Barium	ND	mg/L	3E-05						
Cadmium	ND	mg/L	1E-05						
Chromium	ND	mg/L	4E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Manganese	ND	mg/L	5E-05						
Mercury	ND	mg/L	8E-05						
Molybdenum	ND	mg/L	5E-05						
Nickel	ND	mg/L	0.0007						
Silver	0.0005	mg/L	3E-05						
Thorium 232	ND	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Vanadium	ND	mg/L	3E-05						
Zinc	0.0006	mg/L	0.0003						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C96757				02/09/08 10:28
Arsenic	0.0505	mg/L	0.0010	101	85	115			
Barium	0.0517	mg/L	0.0010	103	85	115			
Cadmium	0.0515	mg/L	0.0010	103	85	115			
Chromium	0.0484	mg/L	0.0010	97	85	115			
Copper	0.0487	mg/L	0.0010	97	85	115			
Lead	0.0515	mg/L	0.0010	103	85	115			
Manganese	0.0491	mg/L	0.0010	98	85	115			
Mercury	0.00534	mg/L	0.0010	107	85	115			
Molybdenum	0.0508	mg/L	0.0010	102	85	115			
Nickel	0.0465	mg/L	0.0010	93	85	115			
Silver	0.0199	mg/L	0.0010	97	85	115			
Thorium 232	0.0503	mg/L	0.0010	101	85	115			
Uranium	0.0506	mg/L	0.00030	101	85	115			
Vanadium	0.0481	mg/L	0.0010	96	85	115			
Zinc	0.0522	mg/L	0.0010	103	85	115			
Sample ID: R08020006-001C	Sample Matrix Spike				Run: SUB-C96757				02/10/08 02:25
Arsenic	0.0531	mg/L	0.0010	105	70	130			
Barium	0.0686	mg/L	0.10	104	70	130			
Cadmium	0.0462	mg/L	0.010	92	70	130			
Chromium	0.0464	mg/L	0.050	90	70	130			
Copper	0.0495	mg/L	0.010	95	70	130			
Lead	0.0520	mg/L	0.050	104	70	130			
Manganese	0.0751	mg/L	0.010	95	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 03/13/08
Work Order: R08020006

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R96757
Sample ID: R08020006-001C	Sample Matrix Spike				Run: SUB-C96757				02/10/08 02:25
Mercury	0.00504	mg/L	0.0010	101	70	130			
Molybdenum	0.0646	mg/L	0.10	107	70	130			
Nickel	0.0588	mg/L	0.050	106	70	130			
Silver	0.0145	mg/L	0.010	72	70	130			
Thorium 232	0.0543	mg/L	0.0010	109	70	130			
Uranium	0.0695	mg/L	0.00030	111	70	130			
Vanadium	0.0462	mg/L	0.10	91	70	130			
Zinc	0.0465	mg/L	0.010	86	70	130			
Sample ID: R08020006-001C	Sample Matrix Spike Duplicate				Run: SUB-C96757				02/10/08 02:32
Arsenic	0.0525	mg/L	0.0010	104	70	130	1.1	20	
Barium	0.0680	mg/L	0.10	103	70	130	0.0	20	
Cadmium	0.0458	mg/L	0.010	91	70	130	1.0	20	
Chromium	0.0462	mg/L	0.050	90	70	130	0.0	20	
Copper	0.0484	mg/L	0.010	93	70	130	2.3	20	
Lead	0.0513	mg/L	0.050	102	70	130	1.5	20	
Manganese	0.0757	mg/L	0.010	96	70	130	0.9	20	
Mercury	0.00510	mg/L	0.0010	102	70	130	1.1	20	
Molybdenum	0.0633	mg/L	0.10	105	70	130	0.0	20	
Nickel	0.0560	mg/L	0.050	101	70	130	4.9	20	
Silver	0.0145	mg/L	0.010	73	70	130	0.3	20	
Thorium 232	0.0537	mg/L	0.0010	107	70	130	1.2	20	
Uranium	0.0677	mg/L	0.00030	108	70	130	2.5	20	
Vanadium	0.0454	mg/L	0.10	90	70	130	0.0	20	
Zinc	0.0453	mg/L	0.010	83	70	130	2.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 03/13/08
Work Order: R08020006

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R33367
Sample ID: LFB0802013903-1	Laboratory Fortified Blank				Run: DIONEX_080204A				02/04/08 18:52
Chloride	4.87	mg/L	0.50	97	90	110			
Fluoride	1.93	mg/L	0.10	97	90	110			
Nitrogen, Nitrate as N	2.45	mg/L	0.10	98	90	110			
Nitrogen, Nitrite as N	2.47	mg/L	0.10	99	90	110			
Sulfate	14.1	mg/L	1.0	94	90	110			
Sample ID: LFB0802013903-1	Laboratory Fortified Blank				Run: DIONEX_080204A				02/04/08 19:07
Chloride	4.89	mg/L	0.50	98	90	110			
Fluoride	1.93	mg/L	0.10	97	90	110			
Nitrogen, Nitrate as N	2.44	mg/L	0.10	98	90	110			
Nitrogen, Nitrite as N	2.46	mg/L	0.10	98	90	110			
Sulfate	14.9	mg/L	1.0	99	90	110			
Sample ID: R08010278-001JMS	Sample Matrix Spike				Run: DIONEX_080204A				02/04/08 22:12
Fluoride	2.1	mg/L	0.10	86	80	120			
Sample ID: R08010278-001JMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080204A				02/04/08 22:27
Fluoride	2.1	mg/L	0.10	85	80	120	1.0	10	
Method: E900.0									Batch: C_GrAB-0394
Sample ID: UNAT-GrAB-0394	Laboratory Control Sample				Run: SUB-C97004				02/12/08 04:24
Gross Alpha	200	pCi/L	1.0	99	70	130			
Sample ID: Cs137-GrAB-0394	Laboratory Control Sample				Run: SUB-C97004				02/12/08 04:24
Gross Beta	90	pCi/L	2.0	99	70	130			
Sample ID: C08020114-001AMS	Sample Matrix Spike				Run: SUB-C97004				02/12/08 04:24
Gross Alpha	300	pCi/L	1.0	101	70	130			
Sample ID: C08020114-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C97004				02/12/08 04:24
Gross Alpha	290	pCi/L	1.0	95	70	130	5.1	12.5	
Sample ID: C08020114-001AMS	Sample Matrix Spike				Run: SUB-C97004				02/12/08 04:24
Gross Beta	110	pCi/L	2.0	96	70	130			
Sample ID: C08020114-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C97004				02/12/08 04:24
Gross Beta	110	pCi/L	2.0	97	70	130	1.3	15.3	
Sample ID: RB-GrAB-0394	Method Blank				Run: SUB-C97004				02/12/08 04:24
Gross Alpha	ND	pCi/L	1						
Gross Beta	ND	pCi/L	2						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 03/13/08
Work Order: R08020006

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E901.1									Batch: C_17696
Sample ID: MB-R96781	Method Blank				Run: SUB-C96781				02/06/08 15:40
Gross Gamma		pCi/Filter	20						
Sample ID: LCS-R96781	Laboratory Control Sample				Run: SUB-C96781				02/06/08 15:40
Cesium 137	1200	pCi/Filter	20	85	70	130			
Potassium 40	7320	pCi/Filter	20	110	70	130			
Sample ID: C08010969-005ADUP	Sample Duplicate				Run: SUB-C96781				02/06/08 15:40
Gross Gamma	996	pCi/Filter	20				1.8	30	
Method: E903.0									Batch: C_17774
Sample ID: C08020336-001IMS	Sample Matrix Spike				Run: SUB-C97404				02/25/08 03:07
Radium 226	60	pCi/L	0.20	91	70	130			
Sample ID: C08020336-001IMSD	Sample Matrix Spike Duplicate				Run: SUB-C97404				02/25/08 04:38
Radium 226	64	pCi/L	0.20	97	70	130	6.3	26	
Sample ID: MB-17774	Method Blank				Run: SUB-C97404				02/25/08 18:12
Radium 226	ND	pCi/L	0.004						
Sample ID: LCS-17774	Laboratory Control Sample				Run: SUB-C97404				02/25/08 21:12
Radium 226	12	pCi/L	0.20	95	70	130			
Method: E903.0									Batch: C_RA226-2616
Sample ID: C08020114-001AMS	Sample Matrix Spike				Run: SUB-C96856				02/12/08 07:52
Radium 226	16	pCi/L	0.20	124	70	130			
Sample ID: C08020114-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C96856				02/12/08 07:52
Radium 226	15	pCi/L	0.20	123	70	130	0.9	29.2	
Sample ID: MB-RA226-2616	Method Blank				Run: SUB-C96856				02/12/08 08:57
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-2616	Laboratory Control Sample				Run: SUB-C96856				02/12/08 08:57
Radium 226	15	pCi/L	0.20	115	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 03/13/08
Work Order: R08020006

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: C_17774
Sample ID: C08020466-003AMS	Sample Matrix Spike				Run: SUB-C97709				02/19/08 15:45
Thorium 230	3.53	pCi/g-dry	0.10	96	70	130			
Sample ID: C08020466-003AMSD	Sample Matrix Spike Duplicate				Run: SUB-C97709				02/19/08 15:45
Thorium 230	3.45	pCi/g-dry	0.10	109	70	130	2.3	30	
Sample ID: LCS-17774	Laboratory Control Sample				Run: SUB-C97709				02/19/08 15:45
Thorium 230	48.7	pCi/g-dry	0.10	101	70	130			
Sample ID: MB-17774	Method Blank				Run: SUB-C97709				02/19/08 15:45
Thorium 230	0.3	pCi/g-dry							
Method: E907.0									Batch: C_R96860
Sample ID: LCS-R96860	Laboratory Control Sample				Run: SUB-C96860				02/06/08 16:00
Thorium 230	4.50	pCi/L	0.20	92	70	130			
Sample ID: C08020065-004AMS	Sample Matrix Spike				Run: SUB-C96860				02/06/08 16:00
Thorium 230	16.4	pCi/L	0.20	101	70	130			
Sample ID: C08020065-004AMSD	Sample Matrix Spike Duplicate				Run: SUB-C96860				02/06/08 16:00
Thorium 230	15.5	pCi/L	0.20	95	70	130	5.6	30	
Sample ID: MB-R96860	Method Blank				Run: SUB-C96860				02/06/08 16:00
Thorium 230	ND	pCi/L	0.2						
Method: E909.0M									Batch: C_17774
Sample ID: C08020466-003AMS	Sample Matrix Spike				Run: SUB-C97325				02/19/08 07:00
Lead 210	470	pCi/g-dry	0.10	79	70	130			
Sample ID: C08020466-003AMSD	Sample Matrix Spike Duplicate				Run: SUB-C97325				02/19/08 07:00
Lead 210	460	pCi/g-dry	0.10	77	70	130	2.1	30	
Sample ID: MB-R97325	Method Blank				Run: SUB-C97325				02/19/08 07:00
Lead 210	ND	pCi/L	1						
Sample ID: LCS-R97325	Laboratory Control Sample				Run: SUB-C97325				02/19/08 07:00
Lead 210	130	pCi/L	1.0	112	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 03/13/08
Work Order: R08020006

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0M									Batch: C_R97080
Sample ID: C08011127-043BMS	Sample Matrix Spike				Run: SUB-C97080				02/07/08 09:30
Lead 210	516	pCi/g-dry	0.10	87	70	130			
Sample ID: C08011127-043BMSD	Sample Matrix Spike Duplicate				Run: SUB-C97080				02/07/08 09:30
Lead 210	668	pCi/g-dry	0.10	112	70	130	26	30	
Sample ID: MB-R97080	Method Blank				Run: SUB-C97080				02/07/08 09:30
Lead 210	ND	pCi/L	1						
Sample ID: LCS-R97080	Laboratory Control Sample				Run: SUB-C97080				02/07/08 09:30
Lead 210	110	pCi/L	1.0	96	70	130			
Method: RMO-3008									Batch: C_17774
Sample ID: C08020336-008IMS	Sample Matrix Spike				Run: SUB-C97290				02/21/08 15:15
Polonium 210	86	pCi/L	1.0	79	70	130			
Sample ID: C08020336-008IMSD	Sample Matrix Spike Duplicate				Run: SUB-C97290				02/21/08 15:15
Polonium 210	81	pCi/L	1.0	74	70	130	6.0	30	
Sample ID: LCS-17774	Laboratory Control Sample				Run: SUB-C97290				02/21/08 15:15
Polonium 210	19	pCi/L	1.0	83	70	130			
Sample ID: MB-17774	Method Blank				Run: SUB-C97290				02/21/08 15:15
Polonium 210	ND	pCi/L	0.02						
Method: RMO-3008									Batch: C_R97013
Sample ID: R08020006-001H	Sample Matrix Spike				Run: SUB-C97013				02/11/08 12:30
Polonium 210	89	pCi/L	1.0	79	70	130			
Sample ID: R08020006-001H	Sample Matrix Spike Duplicate				Run: SUB-C97013				02/11/08 12:30
Polonium 210	90	pCi/L	1.0	81	70	130	1.8	30	
Sample ID: LCS-R97013	Laboratory Control Sample				Run: SUB-C97013				02/11/08 12:30
Polonium 210	19	pCi/L	1.0	85	70	130			
Sample ID: MB-R97013	Method Blank				Run: SUB-C97013				02/11/08 12:30
Polonium 210	ND	pCi/L	1						

Qualifiers:

RL - 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.

Company Name:	Project Name, PWS, Permit, Etc.	Sample Origin / State:	EPA/State Compliance:
RESPEC	PowerTech Dewey Burdock		Yes ☐ No ☐
Report Mail Address:	**Contact Name:** Phone/Fax:	**Email:**	**Sampler: (Please Print)**
RESPEC	Cory.foreman@respec.com		Eric Krantz
Invoice Address:	**Invoice Contact & Phone:**	**Purchase Order:**	**Quote/Bottle Order:**
RESPEC			

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

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

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

ANALYSIS REQUESTED

As per Quote

SEE ATTACHED

Normal Turnaround (TAT)

RUSH

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

Comments:

Shipped by:

Cooler ID(s):

Receipt Temp 4.6 °C

On ice: (Yes) No

Custody Seal Y N
Intact Y N
Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX
1	~~GW679~~			
2	DewBurd GW679	02/03/08	1625	W
3				
4				
5				
6				
7				
8				
9				
10				

LABORATORY USE ONLY

R20020006-001

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Eric Krantz	02/04/08 0950		Steve Froiland	2-4-08 9:50	
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
			Received by Laboratory:	Date/Time:	Signature:

Sample Disposal: Return to Client: _____ Lab Disposal: _____

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. • 2821 Plant Street • Rapid City, SD 57702 • www.energylab.com
Toll Free 888.672.1225 • Voice 605.342.1225 • Fax 605.342.1397 • rapid_city@energylab.com

ANALYTICAL SUMMARY REPORT

May 23, 2011

RESPEC Inc
3824 Jet Dr
Rapid City, SD 57701

Workorder No.: R08020052 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. Rapid City SD received the following 8 samples for RESPEC Inc on 2/6/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08020052-001	DewBurd GW8	02/05/08 10:20	02/06/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved
R08020052-002	DewBurd GW675	02/05/08 12:05	02/06/08	Aqueous	Same As Above
R08020052-003	DewBurd GW677	02/05/08 13:39	02/06/08	Aqueous	Same As Above
R08020052-004	DewBurd GW42	02/05/08 14:10	02/06/08	Aqueous	Same As Above
R08020052-005	DewBurd GW678	02/05/08 15:39	02/06/08	Aqueous	Same As Above
R08020052-006	DewBurd GW678	02/05/08 15:45	02/06/08	Aqueous	Same As Above
R08020052-007	DewBurd GW676	02/05/08 16:57	02/06/08	Aqueous	Same As Above
R08020052-008	DewBurd BLK01	02/06/08 08:30	02/06/08	Aqueous	Same As Above

This report was prepared by Energy Laboratories, Inc., 2821 Plant St., Rapid City, SD 57702. 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.

ANALYTICAL SUMMARY REPORT

Report Approved By:

Linda K. Larson

Digitally signed by
Linda Larson
Date: 2011.05.23 14:49:19 -06:00

Branch Manager

CLIENT: RESPEC Inc
Project: Edgemont
Sample Delivery Group: R08020052

Revised Date: 05/23/11
Report Date: 05/13/08

CASE NARRATIVE

This case narrative is used to explain any exceptions to the analyses performed for your sample(s). In accordance with Good Analytical Laboratory Practices (GALP), samples requiring data qualifiers or analytical modifications are explained herein.

All samples were analyzed in accordance with prescribed methodology, except were noted. Samples are accompanied by appropriate quality assurance/quality control (QA/QC) samples throughout the analytical process.

During the course of analyzing your sample(s) the following exceptions were noted.
- Any exceptions noted are listed in the Analytical Report

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

BRANCH LABORATORY IDENTIFIERS
eli-b - Energy Laboratories, Inc. - Billings, MT, EPA # MT00005
eli-c - Energy Laboratories, Inc. - Casper, WY, EPA# WY00002
eli-f - Energy Laboratories, Inc. - Idaho Falls, ID, EPA # ID00942
eli-g - Energy Laboratories, Inc. - Gillette, WY, EPA# WY00006
eli-h - Energy Laboratories, Inc. - Helena, MT, EPA# MT00945
eli-t - Energy Laboratories, Inc. - College Station, TX, EPA# TX01520

For additional information, including certifications, and analytical services visit our web page www.energylab.com.

If you have questions regarding this information, please feel free to contact us at (888)672-1225, (605)342-1225 or rapid_city@energylab.com.

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 05/13/08
Collection Date: 02/05/08 10:20
Date Received: 02/06/08
Matrix: AQUEOUS

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020052-001
Client Sample ID: DewBurd GW8

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	166	mg/L		5		1	A2320 B	02/19/08 15:11/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	02/19/08 15:11/sn
Bicarbonate as HCO3	202	mg/L		5		1	A2320 B	02/19/08 15:11/sn
Calcium	52.6	mg/L		0.5		1	E200.7	02/20/08 19:04/eli-c
Chloride	12	mg/L		1		1	E300.0	02/07/08 03:44/sn
Fluoride	0.5	mg/L		0.1		1	E300.0	02/07/08 03:44/sn
Magnesium	22.6	mg/L		0.5		1	E200.7	02/20/08 19:04/eli-c
Nitrogen, Ammonia as N	0.3	mg/L		0.1		1	A4500-NH3 G	02/11/08 17:30/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	02/07/08 03:44/sn
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	02/07/08 03:44/sn
Potassium	14.7	mg/L		0.5		1	E200.7	02/20/08 19:04/eli-c
Silica	7.3	mg/L		0.5		1	E200.7	02/20/08 19:04/eli-c
Sodium	222	mg/L	D	8		10	E200.7	02/20/08 15:47/eli-c
Sulfate	455	mg/L	D	3		50	E300.0	02/07/08 02:58/sn
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1430	umhos/cm		5.0		1	A2510 B	02/08/08 15:52/jmh
Oxidation-Reduction Potential	220	mV				1	A2580 B	02/07/08 00:00/sn
pH	7.94	s.u.		0.01		1	A4500-H B	02/09/08 14:06/jmh
Sodium Adsorption Ratio (SAR)	6.4	Unitless		0.10		1	Calculation	02/20/08 19:04/krs
Solids, Total Dissolved TDS @ 180 C	1000	mg/L		5		1	A2540 C	02/11/08 14:28/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.7	02/20/08 19:04/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	02/19/08 13:19/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/19/08 13:19/eli-c
Boron	0.1	mg/L		0.1		1	E200.7	02/20/08 19:04/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/19/08 13:19/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/19/08 13:19/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/19/08 13:19/eli-c
Iron	ND	mg/L		0.03		1	E200.7	02/20/08 19:04/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/19/08 13:19/eli-c
Manganese	0.08	mg/L		0.01		1	E200.8	02/19/08 13:19/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/19/08 13:19/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	02/19/08 13:19/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/19/08 13:19/eli-c
Selenium	0.002	mg/L		0.001		1	A3114 B	02/14/08 10:42/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/19/08 13:19/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	02/19/08 13:19/eli-c

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11

Client: RESPEC Inc
Report Date: 05/13/08

Project: Edgemont
Collection Date: 02/05/08 10:20

Lab ID: R08020052-001
Date Received: 02/06/08

Client Sample ID: DewBurd GW8
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	ND	mg/L		0.0003		1	E200.8	02/19/08 13:19/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	02/19/08 13:19/eli-c
Zinc	0.02	mg/L		0.01		1	E200.7	02/20/08 19:04/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	02/15/08 22:40/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	02/14/08 09:05/eli-c
Selenium-VI	0.001	mg/L		0.001		1	A3114 B	02/14/08 12:14/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	5.4	pCi/L		1.0		1	E900.0	02/21/08 08:44/eli-c
Gross Alpha precision (±)	1.6	pCi/L				1	E900.0	02/21/08 08:44/eli-c
Gross Beta	21.0	pCi/L		2.0		1	E900.0	02/21/08 08:44/eli-c
Gross Beta precision (±)	3.0	pCi/L				1	E900.0	02/21/08 08:44/eli-c
Lead 210	3.0	pCi/L		1.0		1	E909.0M	02/13/08 11:30/eli-c
Lead 210 precision (±)	0.80	pCi/L				1	E909.0M	02/13/08 11:30/eli-c
Polonium 210	1.6	pCi/L		1.0		1	RMO-3008	02/14/08 14:00/eli-c
Polonium 210 precision (±)	1.2	pCi/L				1	RMO-3008	02/14/08 14:00/eli-c
Radium 226	1.5	pCi/L		0.2		1	E903.0	02/22/08 06:36/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	02/22/08 06:36/eli-c
Gross Gamma	ND	pCi/L		20		1	E901.1	02/12/08 18:40/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	1.9	pCi/L		1.0		1	E909.0M	02/19/08 07:00/eli-c
Lead 210 precision (±)	0.91	pCi/L				1	E909.0M	02/19/08 07:00/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	02/21/08 15:15/eli-c
Radium 226	2.8	pCi/L		0.2		1	E903.0	02/25/08 01:37/eli-c
Radium 226 precision (±)	1.4	pCi/L				1	E903.0	02/25/08 01:37/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	02/19/08 15:45/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	329	pCi/L	H	100		1	D5072-92	02/11/08 13:20/eli-c
Radon 222 precision (±)	104	pCi/L	H			1	D5072-92	02/11/08 13:20/eli-c
- Hold time for Radon is set to 1 half life as a guideline. Since this data is well above RL/MDC, this batch is approved.								
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	02/19/08 16:05/eli-c

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020052-001
Client Sample ID: DewBurd GW8

Revised Date: 05/23/11
Report Date: 05/13/08
Collection Date: 02/05/08 10:20
Date Received: 02/06/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Arsenic	ND	mg/L		0.001		1	E200.8	02/19/08 16:05/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/20/08 18:58/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	02/20/08 18:58/eli-c
Boron	ND	mg/L		0.1		1	E200.7	02/20/08 19:50/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/19/08 16:05/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/19/08 16:05/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/19/08 16:05/eli-c
Iron	0.21	mg/L		0.03		1	E200.7	02/20/08 19:50/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/19/08 16:05/eli-c
Manganese	0.08	mg/L		0.01		1	E200.8	02/19/08 16:05/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/19/08 16:05/eli-c
Molybdenum	ND	mg/L		0.01		1	E200.8	02/19/08 16:05/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/19/08 16:05/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	02/19/08 16:05/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/19/08 16:05/eli-c
Strontium	1.6	mg/L		0.1		1	E200.8	02/19/08 16:05/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	02/19/08 16:05/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	02/19/08 16:05/eli-c
Zinc	ND	mg/L		0.01		1	E200.7	02/20/08 19:50/eli-c
DATA QUALITY								
A/C Balance (± 5)	5.03	%				1	A1030 E	05/01/08 12:51/krs
Anions	13.1	meq/L				1	A1030 E	05/01/08 12:51/krs
Cations	14.5	meq/L				1	A1030 E	05/01/08 12:51/krs
Solids, Total Dissolved Calculated	879	mg/L				1	A1030 E	05/01/08 12:51/krs
TDS Balance (0.80 - 1.20)	1.15	dec. %				1	A1030 E	05/01/08 12:51/krs

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

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020052-001
Client Sample ID: DewBurd GW8

Revised Date: 05/23/11
Report Date: 05/13/08
Collection Date: 02/05/08 10:20
Date Received: 02/06/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	166	mg/L		5		1	A2320 B	02/19/08 15:11/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	02/19/08 15:11/sn
Bicarbonate as HCO3	202	mg/L		5		1	A2320 B	02/19/08 15:11/sn
Calcium	52.6	mg/L		0.5		1	E200.7	02/20/08 19:04/eli-c
Chloride	12	mg/L		1		1	E300.0	02/07/08 03:44/sn
Fluoride	0.5	mg/L		0.1		1	E300.0	02/07/08 03:44/sn
Magnesium	22.6	mg/L		0.5		1	E200.7	02/20/08 19:04/eli-c
Nitrogen, Ammonia as N	0.3	mg/L		0.1		1	A4500-NH3 G	02/11/08 17:30/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	02/07/08 03:44/sn
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	02/07/08 03:44/sn
Potassium	14.7	mg/L		0.5		1	E200.7	02/20/08 19:04/eli-c
Silica	7.3	mg/L		0.5		1	E200.7	02/20/08 19:04/eli-c
Sodium	222	mg/L	D	8		10	E200.7	02/20/08 15:47/eli-c
Sulfate	455	mg/L	D	3		50	E300.0	02/07/08 02:58/sn
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1430	umhos/cm		5.0		1	A2510 B	02/08/08 15:52/jmh
Oxidation-Reduction Potential	220	mV				1	A2580 B	02/07/08 00:00/sn
pH	7.94	s.u.		0.01		1	A4500-H B	02/09/08 14:06/jmh
Sodium Adsorption Ratio (SAR)	6.4	Unitless		0.10		1	Calculation	02/20/08 19:04/krs
Solids, Total Dissolved TDS @ 180 C	1000	mg/L		5		1	A2540 C	02/11/08 14:28/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.7	02/20/08 19:04/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	02/19/08 13:19/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/19/08 13:19/eli-c
Boron	0.1	mg/L		0.1		1	E200.7	02/20/08 19:04/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/19/08 13:19/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/19/08 13:19/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/19/08 13:19/eli-c
Iron	ND	mg/L		0.03		1	E200.7	02/20/08 19:04/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/19/08 13:19/eli-c
Manganese	0.08	mg/L		0.01		1	E200.8	02/19/08 13:19/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/19/08 13:19/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	02/19/08 13:19/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/19/08 13:19/eli-c
Selenium	0.002	mg/L		0.001		1	A3114 B	02/14/08 10:42/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/19/08 13:19/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	02/19/08 13:19/eli-c

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020052-001
Client Sample ID: DewBurd GW8

Revised Date: 05/23/11
Report Date: 05/13/08
Collection Date: 02/05/08 10:20
Date Received: 02/06/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	ND	mg/L		0.0003		1	E200.8	02/19/08 13:19/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	02/19/08 13:19/eli-c
Zinc	0.02	mg/L		0.01		1	E200.7	02/20/08 19:04/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	02/15/08 22:40/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	02/14/08 09:05/eli-c
Selenium-VI	0.001	mg/L		0.001		1	A3114 B	02/14/08 12:14/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	5.4	pCi/L		1.0		1	E900.0	02/21/08 08:44/eli-c
Gross Alpha precision (±)	1.6	pCi/L				1	E900.0	02/21/08 08:44/eli-c
Gross Beta	21.0	pCi/L		2.0		1	E900.0	02/21/08 08:44/eli-c
Gross Beta precision (±)	3.0	pCi/L				1	E900.0	02/21/08 08:44/eli-c
Lead 210	3.0	pCi/L		1.0		1	E909.0M	02/13/08 11:30/eli-c
Lead 210 precision (±)	0.80	pCi/L				1	E909.0M	02/13/08 11:30/eli-c
Polonium 210	1.6	pCi/L		1.0		1	RMO-3008	02/14/08 14:00/eli-c
Polonium 210 precision (±)	1.2	pCi/L				1	RMO-3008	02/14/08 14:00/eli-c
Radium 226	1.5	pCi/L		0.2		1	E903.0	02/22/08 06:36/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	02/22/08 06:36/eli-c
Gross Gamma	ND	pCi/L		20		1	E901.1	02/12/08 18:40/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	1.9	pCi/L		1.0		1	E909.0M	02/19/08 07:00/eli-c
Lead 210 precision (±)	0.91	pCi/L				1	E909.0M	02/19/08 07:00/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	02/21/08 15:15/eli-c
Radium 226	2.8	pCi/L		0.2		1	E903.0	02/25/08 01:37/eli-c
Radium 226 precision (±)	1.4	pCi/L				1	E903.0	02/25/08 01:37/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	02/19/08 15:45/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	329	pCi/L	H	100		1	D5072-92	02/11/08 13:20/eli-c
Radon 222 precision (±)	104	pCi/L	H			1	D5072-92	02/11/08 13:20/eli-c
- Hold time for Radon is set to 1 half life as a guideline. Since this data is well above RL/MDC, this batch is approved.								
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	02/19/08 16:05/eli-c

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 05/13/08
Collection Date: 02/05/08 10:20
Date Received: 02/06/08
Matrix: AQUEOUS

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020052-001
Client Sample ID: DewBurd GW8

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Arsenic	ND	mg/L		0.001		1	E200.8	02/19/08 16:05/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/20/08 18:58/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	02/20/08 18:58/eli-c
Boron	ND	mg/L		0.1		1	E200.7	02/20/08 19:50/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/19/08 16:05/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/19/08 16:05/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/19/08 16:05/eli-c
Iron	0.21	mg/L		0.03		1	E200.7	02/20/08 19:50/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/19/08 16:05/eli-c
Manganese	0.08	mg/L		0.01		1	E200.8	02/19/08 16:05/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/19/08 16:05/eli-c
Molybdenum	ND	mg/L		0.01		1	E200.8	02/19/08 16:05/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/19/08 16:05/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	02/19/08 16:05/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/19/08 16:05/eli-c
Strontium	1.6	mg/L		0.1		1	E200.8	02/19/08 16:05/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	02/19/08 16:05/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	02/19/08 16:05/eli-c
Zinc	ND	mg/L		0.01		1	E200.7	02/20/08 19:50/eli-c
DATA QUALITY								
A/C Balance (± 5)	5.03	%				1	A1030 E	05/01/08 12:51/krs
Anions	13.1	meq/L				1	A1030 E	05/01/08 12:51/krs
Cations	14.5	meq/L				1	A1030 E	05/01/08 12:51/krs
Solids, Total Dissolved Calculated	879	mg/L				1	A1030 E	05/01/08 12:51/krs
TDS Balance (0.80 - 1.20)	1.15	dec. %				1	A1030 E	05/01/08 12:51/krs

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

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11

Client: RESPEC Inc
Report Date: 05/13/08

Project: Edgemont
Collection Date: 02/05/08 12:05

Lab ID: R08020052-002
Date Received: 02/06/08

Client Sample ID: DewBurd GW675
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	388	mg/L		5		1	A2320 B	02/19/08 15:13/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	02/19/08 15:13/sn
Bicarbonate as HCO3	473	mg/L		5		1	A2320 B	02/19/08 15:13/sn
Calcium	439	mg/L	D	1		10	E200.7	02/20/08 16:03/eli-c
Chloride	75	mg/L	D	5		50	E300.0	02/07/08 03:59/sn
Fluoride	0.6	mg/L		0.1		1	E300.0	02/07/08 04:15/sn
Magnesium	376	mg/L		0.5		10	E200.7	02/20/08 16:03/eli-c
Nitrogen, Ammonia as N	0.3	mg/L		0.1		1	A4500-NH3 G	02/11/08 17:32/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	02/07/08 04:15/sn
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	02/07/08 04:15/sn
Potassium	24.5	mg/L		0.5		1	E200.7	02/20/08 19:07/eli-c
Silica	14.4	mg/L		0.5		1	E200.7	02/20/08 19:07/eli-c
Sodium	769	mg/L	D	8		10	E200.7	02/20/08 16:03/eli-c
Sulfate	3260	mg/L	D	3		50	E300.0	02/07/08 03:59/sn
PHYSICAL PROPERTIES								
Conductivity @ 25 C	6340	umhos/cm		5.0		1	A2510 B	02/08/08 15:53/jmh
Oxidation-Reduction Potential	180	mV				1	A2580 B	02/07/08 00:00/sn
pH	7.29	s.u.		0.01		1	A4500-H B	02/09/08 14:06/jmh
Sodium Adsorption Ratio (SAR)	6.5	Unitless		0.10		1	Calculation	02/20/08 16:03/krs
Solids, Total Dissolved TDS @ 180 C	6100	mg/L		5		1	A2540 C	02/11/08 14:30/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.7	02/20/08 19:07/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	02/19/08 13:27/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/19/08 13:27/eli-c
Boron	0.4	mg/L		0.1		1	E200.7	02/20/08 19:07/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/19/08 13:27/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/19/08 13:27/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/19/08 13:27/eli-c
Iron	0.15	mg/L		0.03		1	E200.7	02/20/08 19:07/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/19/08 13:27/eli-c
Manganese	3.39	mg/L		0.01		1	E200.8	02/19/08 13:27/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/19/08 13:27/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	02/19/08 13:27/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/19/08 13:27/eli-c
Selenium	0.001	mg/L		0.001		1	A3114 B	02/14/08 10:44/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/19/08 13:27/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	02/19/08 13:27/eli-c

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020052-002
Client Sample ID: DewBurd GW675

Revised Date: 05/23/11
Report Date: 05/13/08
Collection Date: 02/05/08 12:05
Date Received: 02/06/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.0387	mg/L		0.0003		1	E200.8	02/19/08 13:27/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	02/19/08 13:27/eli-c
Zinc	ND	mg/L		0.01		1	E200.7	02/20/08 19:07/eli-c
METALS - SUSPENDED								
Uranium	0.0005	mg/L		0.0003		1	E200.8	02/15/08 22:45/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	02/14/08 09:07/eli-c
Selenium-VI	0.001	mg/L		0.001		1	A3114 B	02/14/08 12:14/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	29.3	pCi/L		1.0		1	E900.0	02/21/08 08:44/eli-c
Gross Alpha precision (±)	9.2	pCi/L				1	E900.0	02/21/08 08:44/eli-c
Gross Beta	25.3	pCi/L		2.0		1	E900.0	02/21/08 08:44/eli-c
Gross Beta precision (±)	16.3	pCi/L				1	E900.0	02/21/08 08:44/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	02/13/08 11:30/eli-c
Polonium 210	2.1	pCi/L		1.0		1	RMO-3008	02/14/08 14:00/eli-c
Polonium 210 precision (±)	1.3	pCi/L				1	RMO-3008	02/14/08 14:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	02/22/08 08:06/eli-c
Gross Gamma	ND	pCi/L		20		1	E901.1	02/12/08 18:40/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	02/19/08 07:00/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	02/21/08 15:15/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	02/25/08 06:08/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	02/19/08 15:45/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	783	pCi/L	H	100		1	D5072-92	02/11/08 13:20/eli-c
Radon 222 precision (±)	109	pCi/L	H			1	D5072-92	02/11/08 13:20/eli-c
- Hold time for Radon is set to 1 half life as a guideline. Since this data is well above RL/MDC, this batch is approved.								
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	02/19/08 16:12/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	02/19/08 16:12/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/20/08 19:06/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	02/20/08 19:06/eli-c
Boron	ND	mg/L		0.1		1	E200.7	02/20/08 19:53/eli-c

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11

Client: RESPEC Inc
Report Date: 05/13/08

Project: Edgemont
Collection Date: 02/05/08 12:05

Lab ID: R08020052-002
Date Received: 02/06/08

Client Sample ID: DewBurd GW675
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Cadmium	ND	mg/L		0.005		1	E200.8	02/19/08 16:12/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/19/08 16:12/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/19/08 16:12/eli-c
Iron	3.48	mg/L		0.03		1	E200.7	02/20/08 19:53/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/19/08 16:12/eli-c
Manganese	3.40	mg/L		0.01		1	E200.8	02/19/08 16:12/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/19/08 16:12/eli-c
Molybdenum	ND	mg/L		0.01		1	E200.8	02/19/08 16:12/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/19/08 16:12/eli-c
Selenium	0.004	mg/L		0.001		1	E200.8	02/19/08 16:12/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/19/08 16:12/eli-c
Strontium	8.3	mg/L		0.1		1	E200.8	02/19/08 16:12/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	02/19/08 16:12/eli-c
Uranium	0.0387	mg/L		0.0003		1	E200.8	02/19/08 16:12/eli-c
Zinc	ND	mg/L		0.01		1	E200.7	02/20/08 19:53/eli-c
DATA QUALITY								
A/C Balance (± 5)	5.71	%				1	A1030 E	05/01/08 13:08/krs
Anions	77.8	meq/L				1	A1030 E	05/01/08 13:08/krs
Cations	87.2	meq/L				1	A1030 E	05/01/08 13:08/krs
Solids, Total Dissolved Calculated	5180	mg/L				1	A1030 E	05/01/08 13:08/krs
TDS Balance (0.80 - 1.20)	1.18	dec. %				1	A1030 E	05/01/08 13:08/krs

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

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11

Client: RESPEC Inc
Report Date: 05/13/08

Project: Edgemont
Collection Date: 02/05/08 13:39

Lab ID: R08020052-003
Date Received: 02/06/08

Client Sample ID: DewBurd GW677
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	494	mg/L		5		1	A2320 B	02/19/08 15:19/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	02/19/08 15:19/sn
Bicarbonate as HCO3	602	mg/L		5		1	A2320 B	02/19/08 15:19/sn
Calcium	478	mg/L	D	1		10	E200.7	02/20/08 16:07/eli-c
Chloride	1290	mg/L	D	10		100	E300.0	02/07/08 23:00/sn
Fluoride	ND	mg/L		0.1		1	E300.0	02/07/08 04:46/sn
Magnesium	414	mg/L		0.5		10	E200.7	02/20/08 16:07/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	02/11/08 17:34/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	02/07/08 04:46/sn
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	02/07/08 04:46/sn
Potassium	11.3	mg/L		0.5		1	E200.7	02/20/08 19:11/eli-c
Silica	9.4	mg/L		0.5		1	E200.7	02/20/08 19:11/eli-c
Sodium	2030	mg/L	D	8		10	E200.7	02/20/08 16:07/eli-c
Sulfate	4310	mg/L	D	3		50	E300.0	02/07/08 04:30/sn
PHYSICAL PROPERTIES								
Conductivity @ 25 C	11600	umhos/cm		5.0		1	A2510 B	02/08/08 15:53/jmh
Oxidation-Reduction Potential	170	mV				1	A2580 B	02/07/08 00:00/sn
pH	7.13	s.u.		0.01		1	A4500-H B	02/09/08 14:06/jmh
Sodium Adsorption Ratio (SAR)	16	Unitless		0.10		1	Calculation	02/20/08 16:07/krs
Solids, Total Dissolved TDS @ 180 C	9600	mg/L		5		1	A2540 C	02/11/08 14:34/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.7	02/20/08 19:11/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	02/19/08 13:57/eli-c
Barium	ND	mg/L		0.1		1	E200.7	02/20/08 19:11/eli-c
Boron	0.8	mg/L		0.1		1	E200.7	02/20/08 19:11/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/19/08 13:57/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/19/08 13:57/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/19/08 13:57/eli-c
Iron	ND	mg/L		0.03		1	E200.7	02/20/08 19:11/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/19/08 13:57/eli-c
Manganese	2.59	mg/L		0.01		1	E200.8	02/19/08 13:57/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/19/08 13:57/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	02/19/08 13:57/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/19/08 13:57/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	02/14/08 10:46/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/19/08 13:57/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	02/19/08 13:57/eli-c

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020052-003
Client Sample ID: DewBurd GW677

Revised Date: 05/23/11
Report Date: 05/13/08
Collection Date: 02/05/08 13:39
Date Received: 02/06/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.0402	mg/L		0.0003		1	E200.8	02/19/08 13:57/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	02/19/08 13:57/eli-c
Zinc	ND	mg/L		0.01		1	E200.7	02/20/08 19:11/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	02/15/08 22:50/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	02/14/08 09:09/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	02/14/08 12:14/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	129	pCi/L		27.6		1	E900.0	04/27/08 03:01/eli-c
Gross Alpha precision (±)	26.8	pCi/L				1	E900.0	04/27/08 03:01/eli-c
Gross Beta	ND	pCi/L		26.7		1	E900.0	04/27/08 03:01/eli-c
Gross Beta precision (±)	15.9	pCi/L				1	E900.0	04/27/08 03:01/eli-c
Lead 210	2.1	pCi/L		1.0		1	E909.0M	02/13/08 11:30/eli-c
Lead 210 precision (±)	0.70	pCi/L				1	E909.0M	02/13/08 11:30/eli-c
Polonium 210	2.2	pCi/L		1.0		1	RMO-3008	02/14/08 14:00/eli-c
Polonium 210 precision (±)	1.3	pCi/L				1	RMO-3008	02/14/08 14:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	02/22/08 09:36/eli-c
Gross Gamma	ND	pCi/L		20		1	E901.1	02/12/08 18:40/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	02/19/08 07:00/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	02/21/08 15:15/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	02/25/08 09:09/eli-c
Thorium 230	0.3	pCi/L		0.2		1	E907.0	02/29/08 14:00/eli-c
Thorium 230 precision (±)	0.01	pCi/L				1	E907.0	02/29/08 14:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	808	pCi/L	H	100		1	D5072-92	02/11/08 13:20/eli-c
Radon 222 precision (±)	108	pCi/L	H			1	D5072-92	02/11/08 13:20/eli-c
- Hold time for Radon is set to 1 half life as a guideline. Since this data is well above RL/MDC, this batch is approved.								
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	02/19/08 16:20/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	02/19/08 16:20/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/20/08 19:14/eli-c

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020052-003
Client Sample ID: DewBurd GW677

Revised Date: 05/23/11
Report Date: 05/13/08
Collection Date: 02/05/08 13:39
Date Received: 02/06/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Beryllium	ND	mg/L		0.001		1	E200.8	04/18/08 16:47/eli-c
Boron	0.7	mg/L		0.1		1	E200.7	02/20/08 19:57/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/19/08 16:20/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/19/08 16:20/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/19/08 16:20/eli-c
Iron	0.12	mg/L		0.03		1	E200.7	02/20/08 19:57/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/19/08 16:20/eli-c
Manganese	2.65	mg/L		0.01		1	E200.8	02/19/08 16:20/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/19/08 16:20/eli-c
Molybdenum	ND	mg/L		0.01		1	E200.8	02/19/08 16:20/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/19/08 16:20/eli-c
Selenium	0.006	mg/L		0.001		1	E200.8	02/19/08 16:20/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/19/08 16:20/eli-c
Strontium	10.0	mg/L		0.1		1	E200.8	02/19/08 16:20/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	02/19/08 16:20/eli-c
Uranium	0.0414	mg/L		0.0003		1	E200.8	02/19/08 16:20/eli-c
Zinc	ND	mg/L		0.01		1	E200.7	02/20/08 19:57/eli-c
DATA QUALITY								
A/C Balance (± 5)	3.88	%				1	A1030 E	05/01/08 13:13/krs
Anions	136	meq/L				1	A1030 E	05/01/08 13:13/krs
Cations	147	meq/L				1	A1030 E	05/01/08 13:13/krs
Solids, Total Dissolved Calculated	8830	mg/L				1	A1030 E	05/01/08 13:13/krs
TDS Balance (0.80 - 1.20)	1.09	dec. %				1	A1030 E	05/01/08 13:13/krs

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

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11

Client: RESPEC Inc
Report Date: 05/13/08

Project: Edgemont
Collection Date: 02/05/08 14:10

Lab ID: R08020052-004
Date Received: 02/06/08

Client Sample ID: DewBurd GW42
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	180	mg/L		5		1	A2320 B	02/19/08 15:19/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	02/19/08 15:19/sn
Bicarbonate as HCO3	219	mg/L		5		1	A2320 B	02/19/08 15:19/sn
Calcium	35.3	mg/L		0.5		1	E200.7	02/20/08 19:14/eli-c
Chloride	12	mg/L		1		1	E300.0	02/07/08 05:16/sn
Fluoride	0.4	mg/L		0.1		1	E300.0	02/07/08 05:16/sn
Magnesium	12.3	mg/L		0.5		1	E200.7	02/20/08 19:14/eli-c
Nitrogen, Ammonia as N	0.1	mg/L		0.1		1	A4500-NH3 G	02/11/08 17:35/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	02/07/08 05:16/sn
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	02/07/08 05:16/sn
Potassium	7.8	mg/L		0.5		1	E200.7	02/20/08 19:14/eli-c
Silica	7.4	mg/L		0.5		1	E200.7	02/20/08 19:14/eli-c
Sodium	289	mg/L	L	0.8		1	E200.7	02/20/08 19:14/eli-c
Sulfate	505	mg/L	D	3		50	E300.0	02/07/08 05:01/sn
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1420	umhos/cm		5.0		1	A2510 B	02/08/08 15:54/jmh
Oxidation-Reduction Potential	170	mV				1	A2580 B	02/07/08 00:00/sn
pH	8.08	s.u.		0.01		1	A4500-H B	02/09/08 14:07/jmh
Sodium Adsorption Ratio (SAR)	11	Unitless		0.10		1	Calculation	02/20/08 19:14/krs
Solids, Total Dissolved TDS @ 180 C	980	mg/L		5		1	A2540 C	02/11/08 14:36/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.7	02/20/08 19:14/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	02/19/08 14:05/eli-c
Barium	ND	mg/L		0.1		1	E200.7	02/20/08 19:14/eli-c
Boron	0.1	mg/L		0.1		1	E200.7	02/20/08 19:14/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/19/08 14:05/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/19/08 14:05/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/19/08 14:05/eli-c
Iron	ND	mg/L		0.03		1	E200.7	02/20/08 19:14/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/19/08 14:05/eli-c
Manganese	0.09	mg/L		0.01		1	E200.8	02/19/08 14:05/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/19/08 14:05/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	02/19/08 14:05/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/19/08 14:05/eli-c
Selenium	0.001	mg/L		0.001		1	A3114 B	02/14/08 10:49/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/19/08 14:05/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	02/19/08 14:05/eli-c

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
L - Lowest available reporting limit for the analytical method us

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11

Client: RESPEC Inc
Report Date: 05/13/08

Project: Edgemont
Collection Date: 02/05/08 14:10

Lab ID: R08020052-004
Date Received: 02/06/08

Client Sample ID: DewBurd GW42
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.0194	mg/L		0.0003		1	E200.8	02/19/08 14:05/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	02/19/08 14:05/eli-c
Zinc	0.02	mg/L		0.01		1	E200.7	02/20/08 19:14/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	02/21/08 00:02/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	02/14/08 09:11/eli-c
Selenium-VI	0.001	mg/L		0.001		1	A3114 B	02/14/08 12:14/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	526	pCi/L		1.0		1	E900.0	02/21/08 08:44/eli-c
Gross Alpha precision (±)	5.9	pCi/L				1	E900.0	02/21/08 08:44/eli-c
Gross Beta	93.5	pCi/L		2.0		1	E900.0	02/21/08 08:44/eli-c
Gross Beta precision (±)	3.5	pCi/L				1	E900.0	02/21/08 08:44/eli-c
Lead 210	15	pCi/L		1.0		1	E909.0M	02/13/08 11:30/eli-c
Lead 210 precision (±)	1.7	pCi/L				1	E909.0M	02/13/08 11:30/eli-c
Polonium 210	5.5	pCi/L		1.0		1	RMO-3008	02/14/08 14:00/eli-c
Polonium 210 precision (±)	2.1	pCi/L				1	RMO-3008	02/14/08 14:00/eli-c
Radium 226	100	pCi/L		0.2		1	E903.0	02/22/08 10:22/eli-c
Radium 226 precision (±)	3.6	pCi/L				1	E903.0	02/22/08 10:22/eli-c
Gross Gamma	2800	pCi/L		20		1	E901.1	02/12/08 18:40/eli-c
Gross Gamma precision (±)	89	pCi/L				1	E901.1	02/12/08 18:40/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	17	pCi/L		1.0		1	E909.0M	02/19/08 07:00/eli-c
Lead 210 precision (±)	2.0	pCi/L				1	E909.0M	02/19/08 07:00/eli-c
Polonium 210	2.0	pCi/L		1.0		1	RMO-3008	02/21/08 15:15/eli-c
Polonium 210 precision (±)	0.98	pCi/L				1	RMO-3008	02/21/08 15:15/eli-c
Radium 226	5.1	pCi/L		0.2		1	E903.0	02/25/08 10:40/eli-c
Radium 226 precision (±)	1.6	pCi/L				1	E903.0	02/25/08 10:40/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	02/29/08 14:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	175000	pCi/L	H	100		1	D5072-92	02/11/08 13:20/eli-c
Radon 222 precision (±)	705	pCi/L	H			1	D5072-92	02/11/08 13:20/eli-c

- Hold time for Radon is set to 1 half life as a guideline. Since this data is well above RL/MDC, this batch is approved.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 05/13/08
Collection Date: 02/05/08 14:10
Date Received: 02/06/08
Matrix: AQUEOUS

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020052-004
Client Sample ID: DewBurd GW42

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	02/19/08 16:28/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	02/19/08 16:28/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/20/08 19:21/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	02/20/08 19:21/eli-c
Boron	ND	mg/L		0.1		1	E200.7	02/20/08 20:00/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/19/08 16:28/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/19/08 16:28/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/19/08 16:28/eli-c
Iron	0.15	mg/L		0.03		1	E200.7	02/20/08 20:00/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/19/08 16:28/eli-c
Manganese	0.08	mg/L		0.01		1	E200.8	02/19/08 16:28/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/19/08 16:28/eli-c
Molybdenum	ND	mg/L		0.01		1	E200.8	02/19/08 16:28/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/19/08 16:28/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	02/19/08 16:28/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/19/08 16:28/eli-c
Strontium	0.7	mg/L		0.1		1	E200.8	02/19/08 16:28/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	02/19/08 16:28/eli-c
Uranium	0.0198	mg/L		0.0003		1	E200.8	02/19/08 16:28/eli-c
Zinc	0.03	mg/L		0.01		1	E200.7	02/20/08 20:00/eli-c
DATA QUALITY								
A/C Balance (± 5)	3.65	%				1	A1030 E	05/01/08 13:17/krs
Anions	14.5	meq/L				1	A1030 E	05/01/08 13:17/krs
Cations	15.6	meq/L				1	A1030 E	05/01/08 13:17/krs
Solids, Total Dissolved Calculated	971	mg/L				1	A1030 E	05/01/08 13:17/krs
TDS Balance (0.80 - 1.20)	1.01	dec. %				1	A1030 E	05/01/08 13:17/krs

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

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020052-005
Client Sample ID: DewBurd GW678

Revised Date: 05/23/11
Report Date: 05/13/08
Collection Date: 02/05/08 15:39
Date Received: 02/06/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	468	mg/L		5		1	A2320 B	02/19/08 15:43/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	02/19/08 15:43/sn
Bicarbonate as HCO3	570	mg/L		5		1	A2320 B	02/19/08 15:43/sn
Calcium	428	mg/L	D	1		10	E200.7	02/20/08 16:13/eli-c
Chloride	96	mg/L	D	5		50	E300.0	02/07/08 05:32/sn
Fluoride	ND	mg/L		0.1		1	E300.0	02/07/08 05:47/sn
Magnesium	434	mg/L		0.5		10	E200.7	02/20/08 16:13/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	02/11/08 17:37/sn
Nitrogen, Nitrate as N	0.1	mg/L		0.1		1	E300.0	02/07/08 05:47/sn
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	02/07/08 05:47/sn
Potassium	20.2	mg/L		0.5		1	E200.7	02/20/08 19:17/eli-c
Silica	16.3	mg/L		0.5		1	E200.7	02/20/08 19:17/eli-c
Sodium	634	mg/L	D	8		10	E200.7	02/20/08 16:13/eli-c
Sulfate	3540	mg/L	D	3		50	E300.0	02/07/08 05:32/sn
PHYSICAL PROPERTIES								
Conductivity @ 25 C	6020	umhos/cm		5.0		1	A2510 B	02/08/08 15:55/jmh
Oxidation-Reduction Potential	200	mV				1	A2580 B	02/07/08 00:00/sn
pH	7.34	s.u.		0.01		1	A4500-H B	02/09/08 14:08/jmh
Sodium Adsorption Ratio (SAR)	5.2	Unitless		0.10		1	Calculation	02/20/08 16:13/krs
Solids, Total Dissolved TDS @ 180 C	6000	mg/L		5		1	A2540 C	02/11/08 14:37/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.7	02/20/08 19:17/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	02/19/08 14:12/eli-c
Barium	ND	mg/L		0.1		1	E200.7	02/20/08 19:17/eli-c
Boron	1.6	mg/L		0.1		1	E200.7	02/20/08 19:17/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/19/08 14:12/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/19/08 14:12/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/19/08 14:12/eli-c
Iron	ND	mg/L		0.03		1	E200.7	02/20/08 19:17/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/19/08 14:12/eli-c
Manganese	2.39	mg/L		0.01		1	E200.8	02/19/08 14:12/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/19/08 14:12/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	02/19/08 14:12/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/19/08 14:12/eli-c
Selenium	0.002	mg/L		0.001		1	A3114 B	02/14/08 10:51/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/19/08 14:12/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	02/19/08 14:12/eli-c

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11

Client: RESPEC Inc
Report Date: 05/13/08
Project: Edgemont
Collection Date: 02/05/08 15:39
Lab ID: R08020052-005
Date Received: 02/06/08
Client Sample ID: DewBurd GW678
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.0368	mg/L		0.0003		1	E200.8	02/19/08 14:12/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	02/19/08 14:12/eli-c
Zinc	ND	mg/L		0.01		1	E200.7	02/20/08 19:17/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	02/21/08 00:06/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	02/14/08 09:14/eli-c
Selenium-VI	0.002	mg/L		0.001		1	A3114 B	02/14/08 12:14/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	41.5	pCi/L		1.0		1	E900.0	02/21/08 08:44/eli-c
Gross Alpha precision (±)	9.6	pCi/L				1	E900.0	02/21/08 08:44/eli-c
Gross Beta	16.0	pCi/L		2.0		1	E900.0	02/21/08 08:44/eli-c
Gross Beta precision (±)	16.2	pCi/L				1	E900.0	02/21/08 08:44/eli-c
Lead 210	3.3	pCi/L		1.0		1	E909.0M	02/13/08 11:30/eli-c
Lead 210 precision (±)	0.90	pCi/L				1	E909.0M	02/13/08 11:30/eli-c
Polonium 210	2.4	pCi/L		1.0		1	RMO-3008	02/14/08 14:00/eli-c
Polonium 210 precision (±)	1.5	pCi/L				1	RMO-3008	02/14/08 14:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	02/22/08 11:52/eli-c
Gross Gamma	ND	pCi/L		20		1	E901.1	02/12/08 18:40/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	02/19/08 07:00/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	02/21/08 15:15/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	02/25/08 12:10/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	02/19/08 15:45/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	487	pCi/L	H	100		1	D5072-92	02/11/08 13:20/eli-c
Radon 222 precision (±)	103	pCi/L	H			1	D5072-92	02/11/08 13:20/eli-c
- Hold time for Radon is set to 1 half life as a guideline. Since this data is well above RL/MDC, this batch is approved.								
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	02/19/08 16:35/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	02/19/08 16:35/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/20/08 19:29/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	02/20/08 19:29/eli-c

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 05/13/08
Collection Date: 02/05/08 15:39
Date Received: 02/06/08
Matrix: AQUEOUS

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020052-005
Client Sample ID: DewBurd GW678

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Boron	1.6	mg/L		0.1		1	E200.7	02/20/08 20:03/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/19/08 16:35/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/19/08 16:35/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/19/08 16:35/eli-c
Iron	0.04	mg/L		0.03		1	E200.7	02/20/08 20:03/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/19/08 16:35/eli-c
Manganese	2.72	mg/L		0.01		1	E200.8	02/19/08 16:35/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/19/08 16:35/eli-c
Molybdenum	0.01	mg/L		0.01		1	E200.8	02/19/08 16:35/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/19/08 16:35/eli-c
Selenium	0.005	mg/L		0.001		1	E200.8	02/19/08 16:35/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/19/08 16:35/eli-c
Strontium	10.2	mg/L		0.1		1	E200.8	02/19/08 16:35/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	02/19/08 16:35/eli-c
Uranium	0.0379	mg/L		0.0003		1	E200.8	02/19/08 16:35/eli-c
Zinc	ND	mg/L		0.01		1	E200.7	02/20/08 20:03/eli-c
DATA QUALITY								
A/C Balance (± 5)	-0.31	%				1	A1030 E	05/01/08 14:03/krs
Anions	85.9	meq/L				1	A1030 E	05/01/08 14:03/krs
Cations	85.3	meq/L				1	A1030 E	05/01/08 14:03/krs
Solids, Total Dissolved Calculated	5440	mg/L				1	A1030 E	05/01/08 14:03/krs
TDS Balance (0.80 - 1.20)	1.10	dec. %				1	A1030 E	05/01/08 14:03/krs

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

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11

Client: RESPEC Inc
Report Date: 05/13/08

Project: Edgemont
Collection Date: 02/05/08 15:39

Lab ID: R08020052-005
Date Received: 02/06/08

Client Sample ID: DewBurd GW678
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	468	mg/L		5		1	A2320 B	02/19/08 15:43/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	02/19/08 15:43/sn
Bicarbonate as HCO3	570	mg/L		5		1	A2320 B	02/19/08 15:43/sn
Calcium	428	mg/L	D	1		10	E200.7	02/20/08 16:13/eli-c
Chloride	96	mg/L	D	5		50	E300.0	02/07/08 05:32/sn
Fluoride	ND	mg/L		0.1		1	E300.0	02/07/08 05:47/sn
Magnesium	434	mg/L		0.5		10	E200.7	02/20/08 16:13/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	02/11/08 17:37/sn
Nitrogen, Nitrate as N	0.1	mg/L		0.1		1	E300.0	02/07/08 05:47/sn
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	02/07/08 05:47/sn
Potassium	20.2	mg/L		0.5		1	E200.7	02/20/08 19:17/eli-c
Silica	16.3	mg/L		0.5		1	E200.7	02/20/08 19:17/eli-c
Sodium	634	mg/L	D	8		10	E200.7	02/20/08 16:13/eli-c
Sulfate	3540	mg/L	D	3		50	E300.0	02/07/08 05:32/sn
PHYSICAL PROPERTIES								
Conductivity @ 25 C	6020	umhos/cm		5.0		1	A2510 B	02/08/08 15:55/jmh
Oxidation-Reduction Potential	200	mV				1	A2580 B	02/07/08 00:00/sn
pH	7.34	s.u.		0.01		1	A4500-H B	02/09/08 14:08/jmh
Sodium Adsorption Ratio (SAR)	5.2	Unitless		0.10		1	Calculation	02/20/08 16:13/krs
Solids, Total Dissolved TDS @ 180 C	6000	mg/L		5		1	A2540 C	02/11/08 14:37/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.7	02/20/08 19:17/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	02/19/08 14:12/eli-c
Barium	ND	mg/L		0.1		1	E200.7	02/20/08 19:17/eli-c
Boron	1.6	mg/L		0.1		1	E200.7	02/20/08 19:17/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/19/08 14:12/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/19/08 14:12/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/19/08 14:12/eli-c
Iron	ND	mg/L		0.03		1	E200.7	02/20/08 19:17/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/19/08 14:12/eli-c
Manganese	2.39	mg/L		0.01		1	E200.8	02/19/08 14:12/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/19/08 14:12/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	02/19/08 14:12/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/19/08 14:12/eli-c
Selenium	0.002	mg/L		0.001		1	A3114 B	02/14/08 10:51/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/19/08 14:12/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	02/19/08 14:12/eli-c

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11

Client: RESPEC Inc
Report Date: 05/13/08

Project: Edgemont
Collection Date: 02/05/08 15:39

Lab ID: R08020052-005
Date Received: 02/06/08

Client Sample ID: DewBurd GW678
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.0368	mg/L		0.0003		1	E200.8	02/19/08 14:12/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	02/19/08 14:12/eli-c
Zinc	ND	mg/L		0.01		1	E200.7	02/20/08 19:17/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	02/21/08 00:06/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	02/14/08 09:14/eli-c
Selenium-VI	0.002	mg/L		0.001		1	A3114 B	02/14/08 12:14/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	41.5	pCi/L		1.0		1	E900.0	02/21/08 08:44/eli-c
Gross Alpha precision (±)	9.6	pCi/L				1	E900.0	02/21/08 08:44/eli-c
Gross Beta	16.0	pCi/L		2.0		1	E900.0	02/21/08 08:44/eli-c
Gross Beta precision (±)	16.2	pCi/L				1	E900.0	02/21/08 08:44/eli-c
Lead 210	3.3	pCi/L		1.0		1	E909.0M	02/13/08 11:30/eli-c
Lead 210 precision (±)	0.90	pCi/L				1	E909.0M	02/13/08 11:30/eli-c
Polonium 210	2.4	pCi/L		1.0		1	RMO-3008	02/14/08 14:00/eli-c
Polonium 210 precision (±)	1.5	pCi/L				1	RMO-3008	02/14/08 14:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	02/22/08 11:52/eli-c
Gross Gamma	ND	pCi/L		20		1	E901.1	02/12/08 18:40/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	02/19/08 07:00/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	02/21/08 15:15/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	02/25/08 12:10/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	02/19/08 15:45/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	487	pCi/L	H	100		1	D5072-92	02/11/08 13:20/eli-c
Radon 222 precision (±)	103	pCi/L	H			1	D5072-92	02/11/08 13:20/eli-c
- Hold time for Radon is set to 1 half life as a guideline. Since this data is well above RL/MDC, this batch is approved.								
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	02/19/08 16:35/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	02/19/08 16:35/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/20/08 19:29/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	02/20/08 19:29/eli-c

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11

Client: RESPEC Inc
Report Date: 05/13/08
Project: Edgemont
Collection Date: 02/05/08 15:39
Lab ID: R08020052-005
Date Received: 02/06/08
Client Sample ID: DewBurd GW678
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Boron	1.6	mg/L		0.1		1	E200.7	02/20/08 20:03/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/19/08 16:35/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/19/08 16:35/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/19/08 16:35/eli-c
Iron	0.04	mg/L		0.03		1	E200.7	02/20/08 20:03/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/19/08 16:35/eli-c
Manganese	2.72	mg/L		0.01		1	E200.8	02/19/08 16:35/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/19/08 16:35/eli-c
Molybdenum	0.01	mg/L		0.01		1	E200.8	02/19/08 16:35/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/19/08 16:35/eli-c
Selenium	0.005	mg/L		0.001		1	E200.8	02/19/08 16:35/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/19/08 16:35/eli-c
Strontium	10.2	mg/L		0.1		1	E200.8	02/19/08 16:35/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	02/19/08 16:35/eli-c
Uranium	0.0379	mg/L		0.0003		1	E200.8	02/19/08 16:35/eli-c
Zinc	ND	mg/L		0.01		1	E200.7	02/20/08 20:03/eli-c
DATA QUALITY								
A/C Balance (± 5)	-0.31	%				1	A1030 E	05/01/08 14:03/krs
Anions	85.9	meq/L				1	A1030 E	05/01/08 14:03/krs
Cations	85.3	meq/L				1	A1030 E	05/01/08 14:03/krs
Solids, Total Dissolved Calculated	5440	mg/L				1	A1030 E	05/01/08 14:03/krs
TDS Balance (0.80 - 1.20)	1.10	dec. %				1	A1030 E	05/01/08 14:03/krs

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

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020052-006
Client Sample ID: DewBurd GW678

Revised Date: 05/23/11
Report Date: 05/13/08
Collection Date: 02/05/08 15:45
Date Received: 02/06/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	472	mg/L		5		1	A2320 B	02/19/08 15:48/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	02/19/08 15:48/sn
Bicarbonate as HCO3	575	mg/L		5		1	A2320 B	02/19/08 15:48/sn
Calcium	412	mg/L	D	1		10	E200.7	02/20/08 16:17/eli-c
Chloride	94	mg/L	D	5		50	E300.0	02/07/08 06:03/sn
Fluoride	0.9	mg/L		0.1		1	E300.0	02/07/08 06:18/sn
Magnesium	438	mg/L		0.5		10	E200.7	02/20/08 16:17/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	02/11/08 17:38/sn
Nitrogen, Nitrate as N	0.1	mg/L		0.1		1	E300.0	02/07/08 06:18/sn
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	02/07/08 06:18/sn
Potassium	20.0	mg/L		0.5		1	E200.7	02/20/08 19:40/eli-c
Silica	16.3	mg/L		0.5		1	E200.7	02/20/08 19:40/eli-c
Sodium	628	mg/L	D	8		10	E200.7	02/20/08 16:17/eli-c
Sulfate	3620	mg/L	D	3		50	E300.0	02/07/08 06:03/sn
PHYSICAL PROPERTIES								
Conductivity @ 25 C	5990	umhos/cm		5.0		1	A2510 B	02/08/08 15:56/jmh
Oxidation-Reduction Potential	200	mV				1	A2580 B	02/07/08 00:00/sn
pH	7.36	s.u.		0.01		1	A4500-H B	02/09/08 14:09/jmh
Sodium Adsorption Ratio (SAR)	5.1	Unitless		0.10		1	Calculation	02/20/08 16:17/krs
Solids, Total Dissolved TDS @ 180 C	6000	mg/L		5		1	A2540 C	02/11/08 14:38/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.7	02/20/08 19:40/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	02/19/08 14:35/eli-c
Barium	ND	mg/L		0.1		1	E200.7	02/20/08 19:40/eli-c
Boron	1.6	mg/L		0.1		1	E200.7	02/20/08 19:40/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/19/08 14:35/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/19/08 14:35/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/19/08 14:35/eli-c
Iron	ND	mg/L		0.03		1	E200.7	02/20/08 19:40/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/19/08 14:35/eli-c
Manganese	2.79	mg/L		0.01		1	E200.8	02/19/08 14:35/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/19/08 14:35/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	02/19/08 14:35/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/19/08 14:35/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	02/14/08 10:53/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/19/08 14:35/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	02/19/08 14:35/eli-c

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11

Client: RESPEC Inc
Report Date: 05/13/08

Project: Edgemont
Collection Date: 02/05/08 15:45

Lab ID: R08020052-006
Date Received: 02/06/08

Client Sample ID: DewBurd GW678
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.0368	mg/L		0.0003		1	E200.8	02/19/08 14:35/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	02/19/08 14:35/eli-c
Zinc	ND	mg/L		0.01		1	E200.7	02/20/08 19:40/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	02/21/08 00:19/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	02/14/08 09:16/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	02/14/08 12:14/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	30.2	pCi/L		1.0		1	E900.0	02/21/08 21:10/eli-c
Gross Alpha precision (±)	9.3	pCi/L				1	E900.0	02/21/08 21:10/eli-c
Gross Beta	ND	pCi/L		2.0		1	E900.0	02/21/08 21:10/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	02/13/08 11:30/eli-c
Polonium 210	1.0	pCi/L		1.0		1	RMO-3008	02/14/08 14:00/eli-c
Polonium 210 precision (±)	1.0	pCi/L				1	RMO-3008	02/14/08 14:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	02/22/08 13:23/eli-c
Gross Gamma	100	pCi/L		20		1	E901.1	02/12/08 18:40/eli-c
Gross Gamma precision (±)	28	pCi/L				1	E901.1	02/12/08 18:40/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	02/19/08 07:00/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	02/21/08 15:15/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	02/25/08 13:40/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	02/19/08 15:45/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	418	pCi/L	H	100		1	D5072-92	02/11/08 13:20/eli-c
Radon 222 precision (±)	102	pCi/L	H			1	D5072-92	02/11/08 13:20/eli-c
- Hold time for Radon is set to 1 half life as a guideline. Since this data is well above RL/MDC, this batch is approved.								
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	02/19/08 16:43/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	02/19/08 16:43/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/20/08 19:59/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	02/20/08 19:59/eli-c
Boron	1.6	mg/L		0.1		1	E200.7	02/20/08 20:07/eli-c

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020052-006
Client Sample ID: DewBurd GW678

Revised Date: 05/23/11
Report Date: 05/13/08
Collection Date: 02/05/08 15:45
Date Received: 02/06/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Cadmium	ND	mg/L		0.005		1	E200.8	02/19/08 16:43/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/19/08 16:43/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/19/08 16:43/eli-c
Iron	0.04	mg/L		0.03		1	E200.7	02/20/08 20:07/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/19/08 16:43/eli-c
Manganese	2.61	mg/L		0.01		1	E200.8	02/19/08 16:43/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/19/08 16:43/eli-c
Molybdenum	0.01	mg/L		0.01		1	E200.8	02/19/08 16:43/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/19/08 16:43/eli-c
Selenium	0.004	mg/L		0.001		1	E200.8	02/19/08 16:43/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/19/08 16:43/eli-c
Strontium	9.7	mg/L		0.1		1	E200.8	02/19/08 16:43/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	02/19/08 16:43/eli-c
Uranium	0.0352	mg/L		0.0003		1	E200.8	02/19/08 16:43/eli-c
Zinc	ND	mg/L		0.01		1	E200.7	02/20/08 20:07/eli-c
DATA QUALITY								
A/C Balance (± 5)	-1.70	%				1	A1030 E	05/01/08 14:14/krs
Anions	87.6	meq/L				1	A1030 E	05/01/08 14:14/krs
Cations	84.6	meq/L				1	A1030 E	05/01/08 14:14/krs
Solids, Total Dissolved Calculated	5500	mg/L				1	A1030 E	05/01/08 14:14/krs
TDS Balance (0.80 - 1.20)	1.10	dec. %				1	A1030 E	05/01/08 14:14/krs

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

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11

Client: RESPEC Inc
Report Date: 05/13/08

Project: Edgemont
Collection Date: 02/05/08 15:45

Lab ID: R08020052-006
Date Received: 02/06/08

Client Sample ID: DewBurd GW678
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	472	mg/L		5		1	A2320 B	02/19/08 15:48/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	02/19/08 15:48/sn
Bicarbonate as HCO3	575	mg/L		5		1	A2320 B	02/19/08 15:48/sn
Calcium	412	mg/L	D	1		10	E200.7	02/20/08 16:17/eli-c
Chloride	94	mg/L	D	5		50	E300.0	02/07/08 06:03/sn
Fluoride	0.9	mg/L		0.1		1	E300.0	02/07/08 06:18/sn
Magnesium	438	mg/L		0.5		10	E200.7	02/20/08 16:17/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	02/11/08 17:38/sn
Nitrogen, Nitrate as N	0.1	mg/L		0.1		1	E300.0	02/07/08 06:18/sn
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	02/07/08 06:18/sn
Potassium	20.0	mg/L		0.5		1	E200.7	02/20/08 19:40/eli-c
Silica	16.3	mg/L		0.5		1	E200.7	02/20/08 19:40/eli-c
Sodium	628	mg/L	D	8		10	E200.7	02/20/08 16:17/eli-c
Sulfate	3620	mg/L	D	3		50	E300.0	02/07/08 06:03/sn
PHYSICAL PROPERTIES								
Conductivity @ 25 C	5990	umhos/cm		5.0		1	A2510 B	02/08/08 15:56/jmh
Oxidation-Reduction Potential	200	mV				1	A2580 B	02/07/08 00:00/sn
pH	7.36	s.u.		0.01		1	A4500-H B	02/09/08 14:09/jmh
Sodium Adsorption Ratio (SAR)	5.1	Unitless		0.10		1	Calculation	02/20/08 16:17/krs
Solids, Total Dissolved TDS @ 180 C	6000	mg/L		5		1	A2540 C	02/11/08 14:38/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.7	02/20/08 19:40/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	02/19/08 14:35/eli-c
Barium	ND	mg/L		0.1		1	E200.7	02/20/08 19:40/eli-c
Boron	1.6	mg/L		0.1		1	E200.7	02/20/08 19:40/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/19/08 14:35/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/19/08 14:35/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/19/08 14:35/eli-c
Iron	ND	mg/L		0.03		1	E200.7	02/20/08 19:40/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/19/08 14:35/eli-c
Manganese	2.79	mg/L		0.01		1	E200.8	02/19/08 14:35/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/19/08 14:35/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	02/19/08 14:35/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/19/08 14:35/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	02/14/08 10:53/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/19/08 14:35/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	02/19/08 14:35/eli-c

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 05/13/08
Collection Date: 02/05/08 15:45
Date Received: 02/06/08
Matrix: AQUEOUS

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020052-006
Client Sample ID: DewBurd GW678

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.0368	mg/L		0.0003		1	E200.8	02/19/08 14:35/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	02/19/08 14:35/eli-c
Zinc	ND	mg/L		0.01		1	E200.7	02/20/08 19:40/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	02/21/08 00:19/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	02/14/08 09:16/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	02/14/08 12:14/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	30.2	pCi/L		1.0		1	E900.0	02/21/08 21:10/eli-c
Gross Alpha precision (±)	9.3	pCi/L				1	E900.0	02/21/08 21:10/eli-c
Gross Beta	ND	pCi/L		2.0		1	E900.0	02/21/08 21:10/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	02/13/08 11:30/eli-c
Polonium 210	1.0	pCi/L		1.0		1	RMO-3008	02/14/08 14:00/eli-c
Polonium 210 precision (±)	1.0	pCi/L				1	RMO-3008	02/14/08 14:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	02/22/08 13:23/eli-c
Gross Gamma	100	pCi/L		20		1	E901.1	02/12/08 18:40/eli-c
Gross Gamma precision (±)	28	pCi/L				1	E901.1	02/12/08 18:40/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	02/19/08 07:00/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	02/21/08 15:15/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	02/25/08 13:40/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	02/19/08 15:45/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	418	pCi/L	H	100		1	D5072-92	02/11/08 13:20/eli-c
Radon 222 precision (±)	102	pCi/L	H			1	D5072-92	02/11/08 13:20/eli-c
- Hold time for Radon is set to 1 half life as a guideline. Since this data is well above RL/MDC, this batch is approved.								
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	02/19/08 16:43/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	02/19/08 16:43/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/20/08 19:59/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	02/20/08 19:59/eli-c
Boron	1.6	mg/L		0.1		1	E200.7	02/20/08 20:07/eli-c

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 05/13/08
Collection Date: 02/05/08 15:45
Date Received: 02/06/08
Matrix: AQUEOUS

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020052-006
Client Sample ID: DewBurd GW678

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Cadmium	ND	mg/L		0.005		1	E200.8	02/19/08 16:43/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/19/08 16:43/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/19/08 16:43/eli-c
Iron	0.04	mg/L		0.03		1	E200.7	02/20/08 20:07/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/19/08 16:43/eli-c
Manganese	2.61	mg/L		0.01		1	E200.8	02/19/08 16:43/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/19/08 16:43/eli-c
Molybdenum	0.01	mg/L		0.01		1	E200.8	02/19/08 16:43/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/19/08 16:43/eli-c
Selenium	0.004	mg/L		0.001		1	E200.8	02/19/08 16:43/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/19/08 16:43/eli-c
Strontium	9.7	mg/L		0.1		1	E200.8	02/19/08 16:43/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	02/19/08 16:43/eli-c
Uranium	0.0352	mg/L		0.0003		1	E200.8	02/19/08 16:43/eli-c
Zinc	ND	mg/L		0.01		1	E200.7	02/20/08 20:07/eli-c
DATA QUALITY								
A/C Balance (± 5)	-1.70	%				1	A1030 E	05/01/08 14:14/krs
Anions	87.6	meq/L				1	A1030 E	05/01/08 14:14/krs
Cations	84.6	meq/L				1	A1030 E	05/01/08 14:14/krs
Solids, Total Dissolved Calculated	5500	mg/L				1	A1030 E	05/01/08 14:14/krs
TDS Balance (0.80 - 1.20)	1.10	dec. %				1	A1030 E	05/01/08 14:14/krs

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

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020052-007
Client Sample ID: DewBurd GW676

Revised Date: 05/23/11
Report Date: 05/13/08
Collection Date: 02/05/08 16:57
Date Received: 02/06/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	208	mg/L		5		1	A2320 B	02/19/08 15:50/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	02/19/08 15:50/sn
Bicarbonate as HCO3	254	mg/L		5		1	A2320 B	02/19/08 15:50/sn
Calcium	518	mg/L	D	1		10	E200.7	02/20/08 16:20/eli-c
Chloride	14	mg/L		1		1	E300.0	02/07/08 06:49/sn
Fluoride	0.4	mg/L		0.1		1	E300.0	02/07/08 06:49/sn
Magnesium	114	mg/L		0.5		10	E200.7	02/20/08 16:20/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	02/11/08 17:39/sn
Nitrogen, Nitrate as N	0.7	mg/L		0.1		1	E300.0	02/07/08 06:49/sn
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	02/07/08 06:49/sn
Potassium	12.7	mg/L		0.5		1	E200.7	02/20/08 19:44/eli-c
Silica	14.3	mg/L		0.5		1	E200.7	02/20/08 19:44/eli-c
Sodium	92.2	mg/L	L	0.8		1	E200.7	02/20/08 19:44/eli-c
Sulfate	1670	mg/L	D	3		50	E300.0	02/07/08 06:33/sn
PHYSICAL PROPERTIES								
Conductivity @ 25 C	3010	umhos/cm		5.0		1	A2510 B	02/08/08 15:58/jmh
Oxidation-Reduction Potential	230	mV				1	A2580 B	02/07/08 00:00/sn
pH	7.20	s.u.		0.01		1	A4500-H B	02/09/08 14:10/jmh
Sodium Adsorption Ratio (SAR)	0.96	Unitless		0.10		1	Calculation	02/20/08 19:44/krs
Solids, Total Dissolved TDS @ 180 C	2500	mg/L		5		1	A2540 C	02/11/08 14:40/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.7	02/20/08 19:44/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	02/19/08 14:42/eli-c
Barium	ND	mg/L		0.1		1	E200.7	02/20/08 19:44/eli-c
Boron	0.5	mg/L		0.1		1	E200.7	02/20/08 19:44/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/19/08 14:42/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/19/08 14:42/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/19/08 14:42/eli-c
Iron	ND	mg/L		0.03		1	E200.7	02/20/08 19:44/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/19/08 14:42/eli-c
Manganese	0.02	mg/L		0.01		1	E200.8	02/19/08 14:42/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/19/08 14:42/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	02/19/08 14:42/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/19/08 14:42/eli-c
Selenium	0.012	mg/L		0.001		1	A3114 B	02/14/08 10:55/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/19/08 14:42/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	02/19/08 14:42/eli-c

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
L - Lowest available reporting limit for the analytical method us

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020052-007
Client Sample ID: DewBurd GW676

Revised Date: 05/23/11
Report Date: 05/13/08
Collection Date: 02/05/08 16:57
Date Received: 02/06/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.0586	mg/L		0.0003		1	E200.8	02/19/08 14:42/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	02/19/08 14:42/eli-c
Zinc	ND	mg/L		0.01		1	E200.7	02/20/08 19:44/eli-c
METALS - SUSPENDED								
Uranium	0.0702	mg/L		0.0003		1	E200.8	02/21/08 00:23/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	02/14/08 09:18/eli-c
Selenium-VI	0.012	mg/L		0.001		1	A3114 B	02/14/08 12:14/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	95.5	pCi/L		1.0		1	E900.0	02/21/08 21:10/eli-c
Gross Alpha precision (±)	4.5	pCi/L				1	E900.0	02/21/08 21:10/eli-c
Gross Beta	22.1	pCi/L		2.0		1	E900.0	02/21/08 21:10/eli-c
Gross Beta precision (±)	5.7	pCi/L				1	E900.0	02/21/08 21:10/eli-c
Lead 210	4.1	pCi/L		1.0		1	E909.0M	02/13/08 11:30/eli-c
Lead 210 precision (±)	1.0	pCi/L				1	E909.0M	02/13/08 11:30/eli-c
Polonium 210	2.9	pCi/L		1.0		1	RMO-3008	02/14/08 14:00/eli-c
Polonium 210 precision (±)	1.6	pCi/L				1	RMO-3008	02/14/08 14:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	02/22/08 14:53/eli-c
Gross Gamma	ND	pCi/L		20		1	E901.1	02/12/08 18:40/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	3.8	pCi/L		1.0		1	E909.0M	02/19/08 07:00/eli-c
Lead 210 precision (±)	1.1	pCi/L				1	E909.0M	02/19/08 07:00/eli-c
Polonium 210	2.2	pCi/L		1.0		1	RMO-3008	02/21/08 15:15/eli-c
Polonium 210 precision (±)	0.96	pCi/L				1	RMO-3008	02/21/08 15:15/eli-c
Radium 226	11.4	pCi/L		0.2		1	E903.0	02/25/08 15:11/eli-c
Radium 226 precision (±)	2.2	pCi/L				1	E903.0	02/25/08 15:11/eli-c
Thorium 230	4.2	pCi/L		0.2		1	E907.0	02/19/08 15:45/eli-c
Thorium 230 precision (±)	1.1	pCi/L				1	E907.0	02/19/08 15:45/eli-c
-The laboratory is confirming the Ra226 result for this sample.								
RADIONUCLIDES - TOTAL								
Radon 222	686	pCi/L	H	100		1	D5072-92	02/11/08 13:20/eli-c
Radon 222 precision (±)	104	pCi/L	H			1	D5072-92	02/11/08 13:20/eli-c
- Hold time for Radon is set to 1 half life as a guideline. Since this data is well above RL/MDC, this batch is approved.								
TOTAL METALS ANALYSES								

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11

Client: RESPEC Inc
Report Date: 05/13/08

Project: Edgemont
Collection Date: 02/05/08 16:57

Lab ID: R08020052-007
Date Received: 02/06/08

Client Sample ID: DewBurd GW676
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		5	E200.8	02/20/08 20:06/eli-c
Arsenic	0.021	mg/L		0.001		5	E200.8	02/20/08 20:06/eli-c
Barium	0.5	mg/L		0.1		1	E200.7	02/20/08 20:10/eli-c
Beryllium	0.003	mg/L		0.001		5	E200.8	02/20/08 20:06/eli-c
Boron	0.5	mg/L		0.1		1	E200.7	02/20/08 20:10/eli-c
Cadmium	ND	mg/L		0.005		5	E200.8	02/20/08 20:06/eli-c
Chromium	0.05	mg/L		0.05		1	E200.8	02/19/08 17:13/eli-c
Copper	0.12	mg/L		0.01		1	E200.7	02/20/08 20:10/eli-c
Iron	66.0	mg/L	D	0.1		1	E200.7	02/20/08 20:10/eli-c
Lead	0.060	mg/L		0.001		1	E200.8	02/19/08 17:13/eli-c
Manganese	2.52	mg/L		0.01		1	E200.8	02/19/08 17:13/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/19/08 17:13/eli-c
Molybdenum	ND	mg/L		0.01		1	E200.7	02/20/08 20:10/eli-c
Nickel	0.10	mg/L		0.05		1	E200.7	02/20/08 20:10/eli-c
Selenium	0.013	mg/L		0.001		5	E200.8	02/20/08 20:06/eli-c
Silver	ND	mg/L		0.005		5	E200.8	02/20/08 20:06/eli-c
Strontium	9.2	mg/L		0.1		1	E200.7	02/20/08 20:10/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	02/19/08 17:13/eli-c
Uranium	0.0687	mg/L		0.0003		1	E200.8	02/19/08 17:13/eli-c
Zinc	0.28	mg/L		0.01		1	E200.7	02/20/08 20:10/eli-c
DATA QUALITY								
A/C Balance (± 5)	0.0941	%				1	A1030 E	05/01/08 14:32/krs
Anions	39.5	meq/L				1	A1030 E	05/01/08 14:32/krs
Cations	39.5	meq/L				1	A1030 E	05/01/08 14:32/krs
Solids, Total Dissolved Calculated	2550	mg/L				1	A1030 E	05/01/08 14:32/krs
TDS Balance (0.80 - 1.20)	0.980	dec. %				1	A1030 E	05/01/08 14:32/krs

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11

Client: RESPEC Inc
Report Date: 05/13/08

Project: Edgemont
Collection Date: 02/06/08 08:30

Lab ID: R08020052-008
Date Received: 02/06/08

Client Sample ID: DewBurd BLK01
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	ND	mg/L		5		1	A2320 B	02/19/08 15:51/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	02/19/08 15:51/sn
Bicarbonate as HCO3	ND	mg/L		5		1	A2320 B	02/19/08 15:51/sn
Calcium	ND	mg/L		0.5		1	E200.7	02/20/08 19:47/eli-c
Chloride	ND	mg/L		2		1	E300.0	02/07/08 07:20/sn
Fluoride	ND	mg/L		0.1		1	E300.0	02/07/08 07:20/sn
Magnesium	ND	mg/L		0.5		1	E200.7	02/20/08 19:47/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	02/11/08 17:40/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	02/07/08 07:20/sn
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	02/07/08 07:20/sn
Potassium	ND	mg/L		0.5		1	E200.7	02/20/08 19:47/eli-c
Silica	ND	mg/L		0.5		1	E200.7	02/20/08 19:47/eli-c
Sodium	ND	mg/L	L	0.8		1	E200.7	02/20/08 19:47/eli-c
Sulfate	ND	mg/L		2		1	E300.0	02/07/08 07:20/sn
PHYSICAL PROPERTIES								
Conductivity @ 25 C	ND	umhos/cm		5.0		1	A2510 B	02/08/08 15:58/jmh
Oxidation-Reduction Potential	310	mV				1	A2580 B	02/07/08 00:00/sn
pH	5.95	s.u.		0.01		1	A4500-H B	02/09/08 14:14/jmh
Sodium Adsorption Ratio (SAR)	ND	unitless		0.10		1	Calculation	05/01/08 14:40/krs
Solids, Total Dissolved TDS @ 180 C	ND	mg/L		5		1	A2540 C	02/11/08 14:41/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.7	02/20/08 19:47/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	02/19/08 14:50/eli-c
Barium	ND	mg/L		0.1		1	E200.7	02/20/08 19:47/eli-c
Boron	ND	mg/L		0.1		1	E200.7	02/20/08 19:47/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/19/08 14:50/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/19/08 14:50/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/19/08 14:50/eli-c
Iron	ND	mg/L		0.03		1	E200.7	02/20/08 19:47/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/19/08 14:50/eli-c
Manganese	ND	mg/L		0.01		1	E200.8	02/19/08 14:50/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/19/08 14:50/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	02/19/08 14:50/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/19/08 14:50/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	02/14/08 10:57/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/19/08 14:50/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	02/19/08 14:50/eli-c

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
L - Lowest available reporting limit for the analytical method used.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11

Client: RESPEC Inc
Report Date: 05/13/08

Project: Edgemont
Collection Date: 02/06/08 08:30

Lab ID: R08020052-008
Date Received: 02/06/08

Client Sample ID: DewBurd BLK01
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	ND	mg/L		0.0003		1	E200.8	02/19/08 14:50/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	02/19/08 14:50/eli-c
Zinc	ND	mg/L		0.01		1	E200.7	02/20/08 19:47/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	02/21/08 00:43/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	02/14/08 09:20/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	02/14/08 12:14/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	ND	pCi/L		1.0		1	E900.0	02/21/08 21:10/eli-c
Gross Beta	ND	pCi/L		2.0		1	E900.0	02/21/08 21:10/eli-c
Lead 210	3.1	pCi/L		1.0		1	E909.0M	02/13/08 11:30/eli-c
Lead 210 precision (±)	0.80	pCi/L				1	E909.0M	02/13/08 11:30/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	02/14/08 14:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	02/22/08 16:23/eli-c
Gross Gamma	110	pCi/L		20		1	E901.1	02/12/08 18:40/eli-c
Gross Gamma precision (±)	26	pCi/L				1	E901.1	02/12/08 18:40/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	3.0	pCi/L		1.0		1	E909.0M	02/19/08 07:00/eli-c
Lead 210 precision (±)	1.0	pCi/L				1	E909.0M	02/19/08 07:00/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	02/21/08 15:15/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	02/25/08 16:41/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	02/19/08 15:45/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	216	pCi/L	H	100		1	D5072-92	02/11/08 13:20/eli-c
Radon 222 precision (±)	87.1	pCi/L	H			1	D5072-92	02/11/08 13:20/eli-c
- Hold time for Radon is set to 1 half life as a guideline. Since this data is well above RL/MDC, this batch is approved.								
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	02/19/08 17:20/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	02/19/08 17:20/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/20/08 20:14/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	02/20/08 20:14/eli-c
Boron	ND	mg/L		0.1		1	E200.7	02/20/08 20:33/eli-c

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020052-008
Client Sample ID: DewBurd BLK01

Revised Date: 05/23/11
Report Date: 05/13/08
Collection Date: 02/06/08 08:30
Date Received: 02/06/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Cadmium	ND	mg/L		0.005		1	E200.8	02/19/08 17:20/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/19/08 17:20/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/19/08 17:20/eli-c
Iron	ND	mg/L		0.03		1	E200.7	02/20/08 20:33/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/19/08 17:20/eli-c
Manganese	ND	mg/L		0.01		1	E200.8	02/19/08 17:20/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/19/08 17:20/eli-c
Molybdenum	ND	mg/L		0.01		1	E200.8	02/20/08 20:14/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/19/08 17:20/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	02/19/08 17:20/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/19/08 17:20/eli-c
Strontium	ND	mg/L		0.1		1	E200.8	02/19/08 17:20/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	02/19/08 17:20/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	02/19/08 17:20/eli-c
Zinc	ND	mg/L		0.01		1	E200.7	02/20/08 20:33/eli-c
DATA QUALITY								
A/C Balance (± 5)	100	%				1	A1030 E	05/01/08 14:40/krs
Anions	ND	meq/L				1	A1030 E	05/01/08 14:40/krs
Cations	0.00403	meq/L				1	A1030 E	05/01/08 14:40/krs

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

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020052-008
Client Sample ID: DewBurd BLK01

Revised Date: 05/23/11
Report Date: 05/13/08
Collection Date: 02/06/08 08:30
Date Received: 02/06/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	ND	mg/L		5		1	A2320 B	02/19/08 15:51/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	02/19/08 15:51/sn
Bicarbonate as HCO3	ND	mg/L		5		1	A2320 B	02/19/08 15:51/sn
Calcium	ND	mg/L		0.5		1	E200.7	02/20/08 19:47/eli-c
Chloride	ND	mg/L		2		1	E300.0	02/07/08 07:20/sn
Fluoride	ND	mg/L		0.1		1	E300.0	02/07/08 07:20/sn
Magnesium	ND	mg/L		0.5		1	E200.7	02/20/08 19:47/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	02/11/08 17:40/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	02/07/08 07:20/sn
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	02/07/08 07:20/sn
Potassium	ND	mg/L		0.5		1	E200.7	02/20/08 19:47/eli-c
Silica	ND	mg/L		0.5		1	E200.7	02/20/08 19:47/eli-c
Sodium	ND	mg/L	L	0.8		1	E200.7	02/20/08 19:47/eli-c
Sulfate	ND	mg/L		2		1	E300.0	02/07/08 07:20/sn
PHYSICAL PROPERTIES								
Conductivity @ 25 C	ND	umhos/cm		5.0		1	A2510 B	02/08/08 15:58/jmh
Oxidation-Reduction Potential	310	mV				1	A2580 B	02/07/08 00:00/sn
pH	5.95	s.u.		0.01		1	A4500-H B	02/09/08 14:14/jmh
Sodium Adsorption Ratio (SAR)	ND	unitless		0.10		1	Calculation	05/01/08 14:40/krs
Solids, Total Dissolved TDS @ 180 C	ND	mg/L		5		1	A2540 C	02/11/08 14:41/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.7	02/20/08 19:47/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	02/19/08 14:50/eli-c
Barium	ND	mg/L		0.1		1	E200.7	02/20/08 19:47/eli-c
Boron	ND	mg/L		0.1		1	E200.7	02/20/08 19:47/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/19/08 14:50/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/19/08 14:50/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/19/08 14:50/eli-c
Iron	ND	mg/L		0.03		1	E200.7	02/20/08 19:47/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/19/08 14:50/eli-c
Manganese	ND	mg/L		0.01		1	E200.8	02/19/08 14:50/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/19/08 14:50/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	02/19/08 14:50/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/19/08 14:50/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	02/14/08 10:57/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/19/08 14:50/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	02/19/08 14:50/eli-c

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
L - Lowest available reporting limit for the analytical method used.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11

Client: RESPEC Inc
Report Date: 05/13/08
Project: Edgemont
Collection Date: 02/06/08 08:30
Lab ID: R08020052-008
Date Received: 02/06/08
Client Sample ID: DewBurd BLK01
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	ND	mg/L		0.0003		1	E200.8	02/19/08 14:50/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	02/19/08 14:50/eli-c
Zinc	ND	mg/L		0.01		1	E200.7	02/20/08 19:47/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	02/21/08 00:43/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	02/14/08 09:20/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	02/14/08 12:14/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	ND	pCi/L		1.0		1	E900.0	02/21/08 21:10/eli-c
Gross Beta	ND	pCi/L		2.0		1	E900.0	02/21/08 21:10/eli-c
Lead 210	3.1	pCi/L		1.0		1	E909.0M	02/13/08 11:30/eli-c
Lead 210 precision (±)	0.80	pCi/L				1	E909.0M	02/13/08 11:30/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	02/14/08 14:00/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	02/22/08 16:23/eli-c
Gross Gamma	110	pCi/L		20		1	E901.1	02/12/08 18:40/eli-c
Gross Gamma precision (±)	26	pCi/L				1	E901.1	02/12/08 18:40/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	3.0	pCi/L		1.0		1	E909.0M	02/19/08 07:00/eli-c
Lead 210 precision (±)	1.0	pCi/L				1	E909.0M	02/19/08 07:00/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	02/21/08 15:15/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	02/25/08 16:41/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	02/19/08 15:45/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	216	pCi/L	H	100		1	D5072-92	02/11/08 13:20/eli-c
Radon 222 precision (±)	87.1	pCi/L	H			1	D5072-92	02/11/08 13:20/eli-c
- Hold time for Radon is set to 1 half life as a guideline. Since this data is well above RL/MDC, this batch is approved.								
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	02/19/08 17:20/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	02/19/08 17:20/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/20/08 20:14/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	02/20/08 20:14/eli-c
Boron	ND	mg/L		0.1		1	E200.7	02/20/08 20:33/eli-c

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11

Client: RESPEC Inc
Report Date: 05/13/08

Project: Edgemont
Collection Date: 02/06/08 08:30

Lab ID: R08020052-008
Date Received: 02/06/08

Client Sample ID: DewBurd BLK01
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Cadmium	ND	mg/L		0.005		1	E200.8	02/19/08 17:20/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/19/08 17:20/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/19/08 17:20/eli-c
Iron	ND	mg/L		0.03		1	E200.7	02/20/08 20:33/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/19/08 17:20/eli-c
Manganese	ND	mg/L		0.01		1	E200.8	02/19/08 17:20/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/19/08 17:20/eli-c
Molybdenum	ND	mg/L		0.01		1	E200.8	02/20/08 20:14/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/19/08 17:20/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	02/19/08 17:20/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/19/08 17:20/eli-c
Strontium	ND	mg/L		0.1		1	E200.8	02/19/08 17:20/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	02/19/08 17:20/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	02/19/08 17:20/eli-c
Zinc	ND	mg/L		0.01		1	E200.7	02/20/08 20:33/eli-c
DATA QUALITY								
A/C Balance (± 5)	100	%				1	A1030 E	05/01/08 14:40/krs
Anions	ND	meq/L				1	A1030 E	05/01/08 14:40/krs
Cations	0.00403	meq/L				1	A1030 E	05/01/08 14:40/krs

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

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 05/13/08
Work Order: R08020052

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 080219A-ALK-SEL-W	
Sample ID: MBLK1_080219A	Method Blank				Run: PH_COND1-R_080219A			02/19/08 15:07	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Sample ID: LCS1_080219A	Laboratory Control Sample				Run: PH_COND1-R_080219A			02/19/08 15:09	
Alkalinity, Total as CaCO3	1010	mg/L	5.0	101	90	110			
Sample ID: R08020064-001BMS	Sample Matrix Spike				Run: PH_COND1-R_080219A			02/19/08 15:57	
Alkalinity, Total as CaCO3	280	mg/L	5.0	91	80	120			
Sample ID: R08020064-001BMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_080219A			02/19/08 15:58	
Alkalinity, Total as CaCO3	270	mg/L	5.0	89	80	120	0.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 05/13/08
Work Order: R08020052

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2510 B								Batch: 080208_1_COND-PROBE-W	
Sample ID: LCS1-1_080208	Laboratory Control Sample				Run: PH_COND2-R_080208A			02/08/08 15:42	
Conductivity @ 25 C	156	umhos/cm	5.0	104	90	110			
Sample ID: LCS2-1_080208	Laboratory Control Sample				Run: PH_COND2-R_080208A			02/08/08 15:43	
Conductivity @ 25 C	4950	umhos/cm	5.0	99	90	110			
Sample ID: LCS_COND-1_080208	Laboratory Control Sample				Run: PH_COND2-R_080208A			02/08/08 15:43	
Conductivity @ 25 C	1410	umhos/cm	5.0	100	90	110			
Sample ID: MBLK-1_080208	Method Blank				Run: PH_COND2-R_080208A			02/08/08 15:44	
Conductivity @ 25 C	ND	umhos/cm	5						
Sample ID: R08020052-006ADUP	Sample Duplicate				Run: PH_COND2-R_080208A			02/08/08 15:57	
Conductivity @ 25 C	5990	umhos/cm	5.0				0.0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 05/13/08
Work Order: R08020052

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C								Batch: 080211A-SLDS-TDS-W	
Sample ID: MBLK1_080211A	Method Blank				Run: BAL-4-R_080211A			02/11/08 14:08	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: LCS1_080211A	Laboratory Control Sample				Run: BAL-4-R_080211A			02/11/08 14:09	
Solids, Total Dissolved TDS @ 180 C	210	mg/L	5.0	104	90	110			
Sample ID: R08020052-002AMS	Sample Matrix Spike				Run: BAL-4-R_080211A			02/11/08 14:32	
Solids, Total Dissolved TDS @ 180 C	6300	mg/L	5.0	107	80	120			
Sample ID: R08020052-002AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080211A			02/11/08 14:33	
Solids, Total Dissolved TDS @ 180 C	6300	mg/L	5.0	103	80	120	0.1	10	
Sample ID: R08020065-001AMS	Sample Matrix Spike				Run: BAL-4-R_080211A			02/11/08 14:47	
Solids, Total Dissolved TDS @ 180 C	1000	mg/L	5.0	101	80	120			
Sample ID: R08020065-001AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080211A			02/11/08 14:48	
Solids, Total Dissolved TDS @ 180 C	1000	mg/L	5.0	112	80	120	2.1	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 05/13/08
Work Order: R08020052

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2580 B									Batch: R33453
Sample ID: LCS_020408	Laboratory Control Sample				Run: PH_COND1-R_080204A				02/04/08 00:00
Oxidation-Reduction Potential	490	mV		102	95	105			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 05/13/08
Work Order: R08020052

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B								Batch: C_SE-3114-021408	
Sample ID: MBLK	Method Blank				Run: SUB-C96943			02/14/08 09:01	
Selenium-IV	ND	mg/L	0.0002						
Sample ID: 288-30-5	Laboratory Control Sample				Run: SUB-C96943			02/14/08 09:03	
Selenium-IV	0.049	mg/L	0.0010	98	90	110			
Sample ID: R08020052-001E	Sample Matrix Spike Duplicate				Run: SUB-C96943			02/14/08 09:25	
Selenium-IV	0.045	mg/L	0.0010	90	85	115	2.5	10	
Sample ID: R08020052-001E	Sample Matrix Spike				Run: SUB-C96943			02/14/08 09:27	
Selenium-IV	0.047	mg/L	0.0010	92	85	115			
Method: A3114 B								Batch: C_SE-3114-021408B	
Sample ID: MBLK	Method Blank				Run: SUB-C96956			02/14/08 10:30	
Selenium	ND	mg/L	0.0003						
Sample ID: 288-30-5	Laboratory Control Sample				Run: SUB-C96956			02/14/08 10:36	
Selenium	0.050	mg/L	0.0010	100	90	110			
Sample ID: R08020052-001E	Sample Matrix Spike				Run: SUB-C96956			02/14/08 11:03	
Selenium	0.050	mg/L	0.0010	97	85	115			
Sample ID: R08020052-001E	Sample Matrix Spike Duplicate				Run: SUB-C96956			02/14/08 11:05	
Selenium	0.049	mg/L	0.0010	95	85	115	2.0	10	
Method: A3114 B								Batch: C_R96957	
Sample ID: R08020052-001E	Sample Matrix Spike				Run: SUB-C96957			02/14/08 12:14	
Selenium-VI	0.048	mg/L	0.0010	95	85	115			
Sample ID: R08020052-001E	Sample Matrix Spike Duplicate				Run: SUB-C96957			02/14/08 12:14	
Selenium-VI	0.047	mg/L	0.0010	92	85	115	0.0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 05/13/08
Work Order: R08020052

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B									Batch: 080209_1_PH-W
Sample ID: LCS_pH-1_080209	Laboratory Control Sample				Run: PH_COND2-R_080209A				02/09/08 13:57
pH	6.96	s.u.	0.010	101	98.55	101.45			
Sample ID: R08020052-005ADUP	Sample Duplicate				Run: PH_COND2-R_080209A				02/09/08 14:08
pH	7.34	s.u.	0.010				0.0	1.25	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 05/13/08
Work Order: R08020052

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G								Batch: A2008-02-11_2_NH3_01	
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_080211A			02/11/08 15:32	
Nitrogen, Ammonia as N	0.26	mg/L	0.10	102	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_080211A			02/11/08 15:33	
Nitrogen, Ammonia as N	0.25	mg/L	0.10	99	90	110			
Sample ID: MBLK-5	Method Blank				Run: TECHAA2-R_080211A			02/11/08 15:34	
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: R08020052-001BDUP	Sample Duplicate				Run: TECHAA2-R_080211A			02/11/08 17:31	
Nitrogen, Ammonia as N	0.27	mg/L	0.10				0.7	10	
Sample ID: R08020052-002BMS	Sample Matrix Spike				Run: TECHAA2-R_080211A			02/11/08 17:33	
Nitrogen, Ammonia as N	0.54	mg/L	0.10	108	80	120			
Sample ID: R08020074-002CMS	Sample Matrix Spike				Run: TECHAA2-R_080211A			02/11/08 17:47	
Nitrogen, Ammonia as N	0.69	mg/L	0.10	94	80	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11

Client: RESPEC Inc

Report Date: 05/13/08

Project: Edgemont

Work Order: R08020052

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: D5072-92									Batch: C_R96832
Sample ID: C08020237-001CDUP	Sample Duplicate				Run: SUB-C96832				02/11/08 13:20
Radon 222	531	pCi/L	100				20	30	
Sample ID: MB-R96832	Method Blank				Run: SUB-C96832				02/11/08 13:20
Radon 222	ND	pCi/L	100						
Sample ID: LCS-R96832	Laboratory Control Sample				Run: SUB-C96832				02/11/08 13:20
Radon 222	301	pCi/L	100	99	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 05/13/08
Work Order: R08020052

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_17769
Sample ID: MB-17769	Method Blank				Run: SUB-C97172				02/20/08 13:20
Barium	ND	mg/L	0.006						
Beryllium	ND	mg/L	0.002						
Boron	ND	mg/L	0.01						
Copper	0.007	mg/L	0.005						
Iron	ND	mg/L	0.009						
Molybdenum	ND	mg/L	0.007						
Nickel	ND	mg/L	0.005						
Strontium	ND	mg/L	0.0004						
Zinc	ND	mg/L	0.001						
Sample ID: LCS-17769	Laboratory Control Sample				Run: SUB-C97172				02/20/08 13:30
Barium	0.518	mg/L	0.10	104	85	115			
Beryllium	0.527	mg/L	0.010	105	85	115			
Boron	0.480	mg/L	0.10	96	85	115			
Copper	0.487	mg/L	0.010	97	85	115			
Iron	0.549	mg/L	0.030	110	85	115			
Molybdenum	0.503	mg/L	0.10	101	85	115			
Nickel	0.510	mg/L	0.050	102	85	115			
Strontium	0.518	mg/L	0.10	104	85	115			
Zinc	0.504	mg/L	0.010	101	85	115			
Sample ID: R08020052-001D	Sample Matrix Spike				Run: SUB-C97172				02/20/08 16:49
Barium	9.60	mg/L	0.10	96	70	130			
Beryllium	9.84	mg/L	0.016	98	70	130			
Boron	9.79	mg/L	0.13	98	70	130			
Copper	9.21	mg/L	0.046	92	70	130			
Iron	9.70	mg/L	0.087	95	70	130			
Molybdenum	9.65	mg/L	0.10	97	70	130			
Nickel	9.54	mg/L	0.053	95	70	130			
Strontium	11.3	mg/L	0.10	98	70	130			
Zinc	9.58	mg/L	0.014	96	70	130			
Sample ID: R08020052-001D	Sample Matrix Spike Duplicate				Run: SUB-C97172				02/20/08 16:53
Barium	9.86	mg/L	0.10	99	70	130	2.7	20	
Beryllium	9.95	mg/L	0.016	99	70	130	1.1	20	
Boron	10.3	mg/L	0.13	103	70	130	4.8	20	
Copper	9.51	mg/L	0.046	95	70	130	3.2	20	
Iron	9.87	mg/L	0.087	97	70	130	1.7	20	
Molybdenum	10.0	mg/L	0.10	100	70	130	3.7	20	
Nickel	9.69	mg/L	0.053	97	70	130	1.6	20	
Strontium	11.4	mg/L	0.10	99	70	130	0.6	20	
Zinc	9.83	mg/L	0.014	98	70	130	2.6	20	
Method: E200.7									Batch: C_R97172

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 05/13/08
Work Order: R08020052

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R97172
Sample ID: LFB-TM	Laboratory Fortified Blank				Run: SUB-C97172				02/20/08 12:35
Silica	2.0	mg/L	0.10	101	85	125			
Aluminum	2.0	mg/L	0.10	101	85	125			
Barium	2.0	mg/L	0.10	102	85	125			
Boron	1.9	mg/L	0.10	97	85	125			
Iron	2.0	mg/L	0.030	100	85	125			
Zinc	2.0	mg/L	0.010	99	85	125			
Sample ID: LFB-MAJORS	Laboratory Fortified Blank				Run: SUB-C97172				02/20/08 12:38
Calcium	25	mg/L	0.50	100	85	125			
Magnesium	25	mg/L	0.50	99	85	125			
Potassium	25	mg/L	0.50	100	85	125			
Sodium	24	mg/L	0.76	96	85	125			
Sample ID: LRB	Laboratory Reagent Blank				Run: SUB-C97172				02/20/08 12:45
Silica	ND	mg/L	0.10		0	0			
Aluminum	ND	mg/L	0.10		0	0			
Barium	ND	mg/L	0.10		0	0			
Boron	0.023	mg/L	0.10		0	0			
Calcium	ND	mg/L	0.50		0	0			
Iron	0.0056	mg/L	0.030		0	0			
Magnesium	ND	mg/L	0.50		0	0			
Potassium	0.031	mg/L	0.50		0	0			
Sodium	ND	mg/L	0.76		0	0			
Zinc	ND	mg/L	0.010		0	0			
Sample ID: R08020052-001C	Sample Matrix Spike				Run: SUB-C97172				02/20/08 15:50
Aluminum	9.63	mg/L	0.10	95	70	130			
Barium	9.50	mg/L	0.10	95	70	130			
Boron	9.57	mg/L	0.10	96	70	130			
Iron	9.25	mg/L	0.046	93	70	130			
Zinc	9.45	mg/L	0.022	95	70	130			
Calcium	500	mg/L	1.0	90	70	130			
Magnesium	468	mg/L	0.50	89	70	130			
Potassium	1110	mg/L	0.50	91	70	130			
Silica	15.9	mg/L	0.20	89	70	130			
Sodium	676	mg/L	7.6	91	70	130			
Sample ID: R08020052-001C	Sample Matrix Spike Duplicate				Run: SUB-C97172				02/20/08 15:54
Aluminum	9.79	mg/L	0.10	97	70	130	1.6	20	
Barium	9.72	mg/L	0.10	97	70	130	2.3	20	
Boron	10.1	mg/L	0.10	101	70	130	5.4	20	
Iron	9.55	mg/L	0.046	95	70	130	3.2	20	
Zinc	9.73	mg/L	0.022	97	70	130	2.9	20	
Calcium	524	mg/L	1.0	95	70	130	4.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 05/13/08
Work Order: R08020052

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R97172
Sample ID: R08020052-001C	Sample Matrix Spike Duplicate				Run: SUB-C97172				02/20/08 15:54
Magnesium	486	mg/L	0.50	93	70	130	3.8	20	
Potassium	1110	mg/L	0.50	91	70	130	0.3	20	
Silica	16.3	mg/L	0.20	93	70	130	2.2	20	
Sodium	690	mg/L	7.6	94	70	130	2.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 05/13/08
Work Order: R08020052

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_17769
Sample ID: MB-17769	Method Blank				Run: SUB-C97099				02/19/08 15:42
Antimony	0.0003	mg/L	0.0003						
Arsenic	ND	mg/L	0.0001						
Barium	ND	mg/L	8E-05						
Beryllium	ND	mg/L	3E-05						
Cadmium	ND	mg/L	0.0004						
Chromium	ND	mg/L	0.0002						
Copper	ND	mg/L	0.0001						
Lead	ND	mg/L	0.0001						
Manganese	0.0002	mg/L	5E-05						
Molybdenum	0.0003	mg/L	0.0002						
Nickel	ND	mg/L	0.0006						
Selenium	0.0004	mg/L	0.0002						
Silver	ND	mg/L	0.0001						
Strontium	9E-05	mg/L	7E-05						
Thallium	ND	mg/L	5E-05						
Uranium	ND	mg/L	4E-05						
Sample ID: LCS1-17769	Laboratory Control Sample				Run: SUB-C97099				02/19/08 15:50
Antimony	0.0210	mg/L	0.050	103	80	120			
Arsenic	0.0189	mg/L	0.0010	95	80	120			
Barium	0.0221	mg/L	0.10	110	80	120			
Beryllium	0.0221	mg/L	0.010	110	80	120			
Cadmium	0.0195	mg/L	0.010	98	80	120			
Chromium	0.0196	mg/L	0.050	98	80	120			
Copper	0.0192	mg/L	0.010	96	80	120			
Lead	0.0198	mg/L	0.050	99	80	120			
Manganese	0.0198	mg/L	0.010	98	80	120			
Molybdenum	0.0171	mg/L	0.10	84	80	120			
Nickel	0.0190	mg/L	0.050	95	80	120			
Selenium	0.0967	mg/L	0.0010	96	80	120			
Silver	0.0184	mg/L	0.010	92	80	120			
Strontium	0.0106	mg/L	0.10	105	80	120			
Thallium	0.0196	mg/L	0.10	98	80	120			
Uranium	0.0190	mg/L	0.00030	95	80	120			
Sample ID: C08020433-002HMS4	Post Digestion Spike				Run: SUB-C97099				02/19/08 19:51
Antimony	0.0776	mg/L	0.050	111	70	130			
Arsenic	0.0736	mg/L	0.0010	103	70	130			
Barium	0.0940	mg/L	0.10	107	70	130			
Beryllium	0.0746	mg/L	0.010	107	70	130			
Cadmium	0.0677	mg/L	0.010	97	70	130			
Chromium	0.0660	mg/L	0.050	94	70	130			
Copper	0.0649	mg/L	0.010	90	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 05/13/08
Work Order: R08020052

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_17769
Sample ID: C08020433-002HMS4	Post Digestion Spike				Run: SUB-C97099				02/19/08 19:51
Lead	0.0708	mg/L	0.050	100	70	130			
Manganese	0.0873	mg/L	0.010	91	70	130			
Molybdenum	0.0878	mg/L	0.10	101	70	130			
Nickel	0.0649	mg/L	0.050	93	70	130			
Selenium	0.169	mg/L	0.0010	100	70	130			
Silver	0.0207	mg/L	0.010	52	70	130			S
Strontium	1.14	mg/L	0.10		70	130			A
Thallium	0.0714	mg/L	0.10	102	70	130			
Uranium	0.0766	mg/L	0.00030	97	70	130			
Sample ID: C08020433-002HMSD4	Post Digestion Spike Duplicate				Run: SUB-C97099				02/19/08 19:58
Antimony	0.0775	mg/L	0.050	111	70	130	0.2	20	
Arsenic	0.0732	mg/L	0.0010	103	70	130	0.4	20	
Barium	0.0953	mg/L	0.10	109	70	130	0.0	20	
Beryllium	0.0737	mg/L	0.010	105	70	130	1.3	20	
Cadmium	0.0684	mg/L	0.010	98	70	130	1.1	20	
Chromium	0.0673	mg/L	0.050	96	70	130	1.9	20	
Copper	0.0647	mg/L	0.010	90	70	130	0.3	20	
Lead	0.0706	mg/L	0.050	100	70	130	0.3	20	
Manganese	0.0870	mg/L	0.010	90	70	130	0.3	20	
Molybdenum	0.0854	mg/L	0.10	97	70	130	0.0	20	
Nickel	0.0640	mg/L	0.050	91	70	130	1.3	20	
Selenium	0.170	mg/L	0.0010	101	70	130	0.4	20	
Silver	0.0212	mg/L	0.010	53	70	130	2.3	20	S
Strontium	1.15	mg/L	0.10		70	130	1.1	20	A
Thallium	0.0705	mg/L	0.10	101	70	130	0.0	20	
Uranium	0.0752	mg/L	0.00030	95	70	130	1.8	20	
Method: E200.8									Batch: C_R97099
Sample ID: LRB	Method Blank				Run: SUB-C97099				02/19/08 12:20
Arsenic	ND	mg/L	0.0002						
Barium	ND	mg/L	9E-05						
Cadmium	ND	mg/L	0.0002						
Chromium	0.0001	mg/L	0.0001						
Copper	ND	mg/L	0.0001						
Lead	ND	mg/L	2E-05						
Manganese	ND	mg/L	3E-05						
Mercury	5E-05	mg/L	6E-06						
Molybdenum	0.0006	mg/L	7E-05						
Nickel	0.0002	mg/L	8E-05						
Silver	ND	mg/L	3E-05						
Thorium 232	6E-05	mg/L	6E-05						
Uranium	ND	mg/L	4E-05						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 05/13/08
Work Order: R08020052

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R97099
Sample ID: LRB	Method Blank				Run: SUB-C97099				02/19/08 12:20
Vanadium	ND	mg/L	9E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C97099				02/19/08 12:27
Arsenic	0.0510	mg/L	0.0010	102	85	115			
Barium	0.0507	mg/L	0.0010	101	85	115			
Cadmium	0.0502	mg/L	0.0010	100	85	115			
Chromium	0.0518	mg/L	0.0010	103	85	115			
Copper	0.0508	mg/L	0.0010	102	85	115			
Lead	0.0509	mg/L	0.0010	102	85	115			
Manganese	0.0512	mg/L	0.0010	102	85	115			
Mercury	0.00508	mg/L	0.0010	101	85	115			
Molybdenum	0.0514	mg/L	0.0010	102	85	115			
Nickel	0.0521	mg/L	0.0010	104	85	115			
Silver	0.0228	mg/L	0.0010	114	85	115			
Thorium 232	0.0508	mg/L	0.0010	101	85	115			
Uranium	0.0506	mg/L	0.00030	101	85	115			
Vanadium	0.0512	mg/L	0.0010	102	85	115			
Sample ID: R08020052-005C	Post Digestion Spike				Run: SUB-C97099				02/19/08 14:20
Arsenic	0.0558	mg/L	0.0010	109	70	130			
Cadmium	0.0474	mg/L	0.010	95	70	130			
Chromium	0.0558	mg/L	0.050	110	70	130			
Copper	0.0512	mg/L	0.010	91	70	130			
Lead	0.0521	mg/L	0.050	104	70	130			
Manganese	2.38	mg/L	0.010		70	130			A
Mercury	0.00521	mg/L	0.0010	104	70	130			
Molybdenum	0.0670	mg/L	0.10	107	70	130			
Nickel	0.0565	mg/L	0.050	94	70	130			
Silver	0.0124	mg/L	0.010	62	70	130			S
Thorium 232	0.0556	mg/L	0.0010	111	70	130			
Uranium	0.0939	mg/L	0.00030	114	70	130			
Vanadium	0.0553	mg/L	0.10	104	70	130			
- Matrix spike recoveries outside the acceptance range are considered matrix-related.									
Sample ID: R08020052-005C	Post Digestion Spike Duplicate				Run: SUB-C97099				02/19/08 14:27
Arsenic	0.0560	mg/L	0.0010	109	70	130	0.3	20	
Cadmium	0.0484	mg/L	0.010	97	70	130	2.0	20	
Chromium	0.0582	mg/L	0.050	115	70	130	4.2	20	
Copper	0.0508	mg/L	0.010	90	70	130	0.7	20	
Lead	0.0524	mg/L	0.050	105	70	130	0.4	20	
Manganese	2.61	mg/L	0.010		70	130	9.5	20	A
Mercury	0.00524	mg/L	0.0010	105	70	130	0.7	20	
Molybdenum	0.0692	mg/L	0.10	111	70	130	0.0	20	
Nickel	0.0561	mg/L	0.050	93	70	130	0.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 05/13/08
Work Order: R08020052

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R97099
Sample ID: R08020052-005C	Post Digestion Spike Duplicate				Run: SUB-C97099				02/19/08 14:27
Silver	0.0122	mg/L	0.010	61	70	130	2.0	20	S
Thorium 232	0.0564	mg/L	0.0010	113	70	130	1.4	20	
Uranium	0.0945	mg/L	0.00030	115	70	130	0.6	20	
Vanadium	0.0564	mg/L	0.10	106	70	130	0.0	20	
- Matrix spike recoveries outside the acceptance range are considered matrix-related.									
Sample ID: C08020504-006AMS4	Post Digestion Spike				Run: SUB-C97099				02/19/08 21:21
Arsenic	0.511	mg/L	0.0016	102	70	130			
Barium	9.87	mg/L	0.10		70	130			A
Cadmium	0.494	mg/L	0.010	99	70	130			
Chromium	0.498	mg/L	0.050	95	70	130			
Copper	0.469	mg/L	0.010	94	70	130			
Lead	0.516	mg/L	0.050	102	70	130			
Manganese	0.523	mg/L	0.010	95	70	130			
Mercury	0.0523	mg/L	0.0010	105	70	130			
Molybdenum	0.522	mg/L	0.10	104	70	130			
Nickel	0.469	mg/L	0.050	94	70	130			
Silver	0.113	mg/L	0.010	57	70	130			S
Thorium 232	0.519	mg/L	0.0010	104	70	130			
Uranium	0.520	mg/L	0.00035	104	70	130			
Vanadium	0.645	mg/L	0.10	100	70	130			
Sample ID: C08020504-006AMSD4	Post Digestion Spike Duplicate				Run: SUB-C97099				02/19/08 21:28
Arsenic	0.505	mg/L	0.0016	100	70	130	1.2	20	
Barium	9.79	mg/L	0.10		70	130	0.8	20	A
Cadmium	0.471	mg/L	0.010	94	70	130	4.9	20	
Chromium	0.509	mg/L	0.050	98	70	130	2.1	20	
Copper	0.461	mg/L	0.010	92	70	130	1.8	20	
Lead	0.513	mg/L	0.050	102	70	130	0.6	20	
Manganese	0.528	mg/L	0.010	96	70	130	1.0	20	
Mercury	0.0537	mg/L	0.0010	107	70	130	2.7	20	
Molybdenum	0.525	mg/L	0.10	105	70	130	0.5	20	
Nickel	0.462	mg/L	0.050	92	70	130	1.5	20	
Silver	0.106	mg/L	0.010	53	70	130	7.0	20	S
Thorium 232	0.519	mg/L	0.0010	104	70	130	0.1	20	
Uranium	0.521	mg/L	0.00035	104	70	130	0.2	20	
Vanadium	0.642	mg/L	0.10	100	70	130	0.3	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 05/13/08
Work Order: R08020052

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_17774
Sample ID: R08020052-005I	Sample Matrix Spike				Run: SUB-C97169				02/21/08 00:10
Uranium	0.0115	mg/L	0.00030	89	70	130			
Sample ID: R08020052-005I	Sample Matrix Spike Duplicate				Run: SUB-C97169				02/21/08 00:15
Uranium	0.0113	mg/L	0.00030	87	70	130	1.7	20	
Sample ID: MB-17774	Method Blank				Run: SUB-C97169				02/20/08 23:54
Uranium	6E-05	mg/L							
Sample ID: LCS1-17774	Laboratory Control Sample				Run: SUB-C97169				02/20/08 23:58
Uranium	0.0527	mg/L	0.00030	105	80	120			
Method: E200.8									Batch: C_R97169
Sample ID: LRB	Method Blank				Run: SUB-C97169				02/20/08 12:50
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C97169				02/20/08 12:54
Uranium	0.0529	mg/L	0.00030	106	85	115			
Sample ID: C08020056-001BMS	Sample Matrix Spike				Run: SUB-C97169				02/20/08 14:57
Uranium	0.059	mg/L	0.00030	113	70	130			
Sample ID: C08020056-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-C97169				02/20/08 15:01
Uranium	0.057	mg/L	0.00030	109	70	130	4.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 05/13/08
Work Order: R08020052

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_17769
Sample ID: LCS-17769	Laboratory Control Sample				Run: SUB-C99837				04/18/08 16:41
Antimony	0.500	mg/L	0.050	100	85	115			
Arsenic	0.521	mg/L	0.0010	104	85	115			
Barium	0.490	mg/L	0.10	98	85	115			
Beryllium	0.531	mg/L	0.010	106	85	115			
Cadmium	0.523	mg/L	0.010	105	85	115			
Chromium	0.513	mg/L	0.050	103	85	115			
Copper	0.510	mg/L	0.010	102	85	115			
Lead	0.507	mg/L	0.050	101	85	115			
Manganese	0.509	mg/L	0.010	102	85	115			
Molybdenum	0.506	mg/L	0.10	101	85	115			
Nickel	0.518	mg/L	0.050	104	85	115			
Selenium	0.535	mg/L	0.0020	107	85	115			
Silver	0.200	mg/L	0.010	100	85	115			
Strontium	0.518	mg/L	0.10	104	85	115			
Thallium	0.514	mg/L	0.10	103	85	115			
Uranium	0.517	mg/L	0.00032	103	85	115			
Sample ID: C08020433-002HMS	Sample Matrix Spike				Run: SUB-C99837				04/18/08 17:21
Antimony	0.517	mg/L	0.050	103	70	130			
Arsenic	0.535	mg/L	0.0010	107	70	130			
Barium	0.516	mg/L	0.10	99	70	130			
Beryllium	0.508	mg/L	0.010	102	70	130			
Cadmium	0.523	mg/L	0.010	105	70	130			
Chromium	0.531	mg/L	0.050	106	70	130			
Copper	0.517	mg/L	0.010	103	70	130			
Lead	0.510	mg/L	0.050	102	70	130			
Manganese	0.553	mg/L	0.010	105	70	130			
Molybdenum	0.531	mg/L	0.10	103	70	130			
Nickel	0.524	mg/L	0.050	104	70	130			
Selenium	0.545	mg/L	0.0020	105	70	130			
Strontium	1.59	mg/L	0.10	107	70	130			
Thallium	0.510	mg/L	0.10	102	70	130			
Uranium	0.525	mg/L	0.00032	103	70	130			
Sample ID: C08020433-002HMSD	Sample Matrix Spike Duplicate				Run: SUB-C99837				04/18/08 17:28
Antimony	0.518	mg/L	0.050	103	70	130	0.1	20	
Arsenic	0.533	mg/L	0.0010	106	70	130	0.4	20	
Barium	0.519	mg/L	0.10	100	70	130	0.6	20	
Beryllium	0.488	mg/L	0.010	98	70	130	4.1	20	
Cadmium	0.524	mg/L	0.010	105	70	130	0.2	20	
Chromium	0.516	mg/L	0.050	103	70	130	3.0	20	
Copper	0.510	mg/L	0.010	102	70	130	1.4	20	
Lead	0.505	mg/L	0.050	101	70	130	1.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 05/13/08
Work Order: R08020052

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_17769
Sample ID: C08020433-002HMSD	Sample Matrix Spike Duplicate				Run: SUB-C99837				04/18/08 17:28
Manganese	0.541	mg/L	0.010	103	70	130	2.1	20	
Molybdenum	0.536	mg/L	0.10	104	70	130	1.0	20	
Nickel	0.517	mg/L	0.050	103	70	130	1.2	20	
Selenium	0.538	mg/L	0.0020	104	70	130	1.4	20	
Strontium	1.59	mg/L	0.10	107	70	130	0.0	20	
Thallium	0.505	mg/L	0.10	101	70	130	1.0	20	
Uranium	0.522	mg/L	0.00032	103	70	130	0.6	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 05/13/08
Work Order: R08020052

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R33407
Sample ID: R08020052-001AMS	Sample Matrix Spike				Run: DIONEX_080206A				02/07/08 03:13
Chloride	251	mg/L	5.4	86	80	120			
Fluoride	96.7	mg/L	0.56	90	80	120			
Nitrogen, Nitrate as N	122	mg/L	1.3	97	80	120			
Nitrogen, Nitrite as N	126	mg/L	2.9	101	80	120			
Sulfate	1130	mg/L	3.4	90	80	120			
Sample ID: R08020052-001AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080206A				02/07/08 03:28
Chloride	249	mg/L	5.4	85	80	120	0.7	10	
Fluoride	97.4	mg/L	0.56	91	80	120	0.7	10	
Nitrogen, Nitrate as N	122	mg/L	1.3	98	80	120	0.2	10	
Nitrogen, Nitrite as N	126	mg/L	2.9	101	80	120	0.3	10	
Sulfate	1120	mg/L	3.4	88	80	120	0.8	10	
Sample ID: R08020058-001AMS	Sample Matrix Spike				Run: DIONEX_080206A				02/07/08 08:21
Chloride	8.88	mg/L	0.50	83	80	120			
Fluoride	2.39	mg/L	0.10	99	80	120			
Nitrogen, Nitrate as N	3.53	mg/L	0.10	106	80	120			
Nitrogen, Nitrite as N	2.81	mg/L	0.10	112	80	120			
Sulfate	26.8	mg/L	1.0	89	80	120			
Sample ID: R08020058-001AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080206A				02/07/08 08:37
Chloride	8.73	mg/L	0.50	80	80	120	1.7	10	
Fluoride	2.38	mg/L	0.10	99	80	120	0.4	10	
Nitrogen, Nitrate as N	3.44	mg/L	0.10	102	80	120	2.6	10	
Nitrogen, Nitrite as N	2.73	mg/L	0.10	109	80	120	2.9	10	
Sulfate	26.3	mg/L	1.0	86	80	120	1.8	10	
Method: E300.0									Batch: R33410
Sample ID: LFB0802075236-1	Laboratory Fortified Blank				Run: DIONEX_080207A				02/07/08 18:53
Chloride	4.86	mg/L	0.50	97	90	110			
Sample ID: LFB0802075236-1	Laboratory Fortified Blank				Run: DIONEX_080207A				02/07/08 19:09
Chloride	4.88	mg/L	0.50	98	90	110			
Sample ID: R08020044-003AMS	Sample Matrix Spike				Run: DIONEX_080207A				02/08/08 01:03
Chloride	425	mg/L	5.4	82	80	120			
Sample ID: R08020044-003AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080207A				02/08/08 01:19
Chloride	425	mg/L	5.4	82	80	120	0.1	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 05/13/08
Work Order: R08020052

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0									Batch: C_GrAB-0432
Sample ID: MB-GrAB-0432	Method Blank				Run: SUB-C100250				04/26/08 05:14
Gross Alpha	2	pCi/L							
Gross Beta	0.3	pCi/L							U
Sample ID: UNAT-GrAB-0432	Laboratory Control Sample				Run: SUB-C100250				04/26/08 05:15
Gross Alpha	260	pCi/L		107	70	130			
Sample ID: Cs137-GrAB-0432	Laboratory Control Sample				Run: SUB-C100250				04/26/08 05:14
Gross Beta	88	pCi/L		93	70	130			
Sample ID: C08040522-001AMS	Sample Matrix Spike				Run: SUB-C100250				04/26/08 05:15
Gross Alpha	250	pCi/L		98	70	130			
Sample ID: C08040522-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C100250				04/26/08 05:15
Gross Alpha	250	pCi/L		101	70	130	2.8	14.8	
Sample ID: C08040522-001AMS	Sample Matrix Spike				Run: SUB-C100250				04/26/08 05:14
Gross Beta	93	pCi/L		96	70	130			
Sample ID: C08040522-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C100250				04/26/08 05:14
Gross Beta	94	pCi/L		97	70	130	0.5	16	
Method: E900.0									Batch: C_GrAB-0397
Sample ID: MB-GrAB-0397	Method Blank				Run: SUB-C97233				02/21/08 08:44
Gross Alpha	ND	pCi/L	1						
Gross Beta	ND	pCi/L	2						
Sample ID: UNAT-GrAB-0397	Laboratory Control Sample				Run: SUB-C97233				02/21/08 08:44
Gross Alpha	270	pCi/L	1.0	112	70	130			
Sample ID: Cs137-GrAB-0397	Laboratory Control Sample				Run: SUB-C97233				02/21/08 08:44
Gross Beta	93	pCi/L	2.0	98	70	130			
Sample ID: C08011257-001AMS	Sample Matrix Spike				Run: SUB-C97233				02/21/08 08:44
Gross Alpha	440	pCi/L	1.0	90	70	130			
Sample ID: C08011257-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C97233				02/21/08 08:44
Gross Alpha	370	pCi/L	1.0	75	70	130	19	30	
Sample ID: C08011257-001AMS	Sample Matrix Spike				Run: SUB-C97233				02/21/08 08:44
Gross Beta	240	pCi/L	2.0	93	70	130			
Sample ID: C08011257-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C97233				02/21/08 08:44
Gross Beta	260	pCi/L	2.0	114	70	130	8.0	13.3	

Qualifiers:

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

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 05/13/08
Work Order: R08020052

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E901.1									Batch: C_R96978
Sample ID: MB-R96978	Method Blank				Run: SUB-C96978				02/12/08 18:40
Gross Gamma	ND	pCi/L	20						
Sample ID: LCS-R96978	Laboratory Control Sample				Run: SUB-C96978				02/12/08 18:40
Americium 241	710	pCi/L	20	87	70	130			
Cesium 137	1200	pCi/L	20	85	70	130			
Potassium 40	6900	pCi/L	20	103	70	130			
Sample ID: R08020052-008H	Sample Duplicate				Run: SUB-C96978				02/12/08 18:40
Gross Gamma	87	pCi/L	20				22	30	
Gross Gamma precision (±)	21	pCi/L							

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Revised Date: 05/23/11
Report Date: 05/13/08
Work Order: R08020052

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: C_RA226-2628
Sample ID: C08020423-001AMS	Sample Matrix Spike				Run: SUB-C97305				02/22/08 22:24
Radium 226	14	pCi/L	0.20	100	70	130			
Sample ID: C08020423-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C97305				02/22/08 23:54
Radium 226	12	pCi/L	0.20	87	70	130	12	24.3	
Sample ID: MB-RA226-2628	Method Blank				Run: SUB-C97305				02/23/08 04:25
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-2628	Laboratory Control Sample				Run: SUB-C97305				02/23/08 05:55
Radium 226	13	pCi/L	0.20	99	70	130			
Method: E903.0									Batch: C_17774
Sample ID: R08020052-001I	Sample Matrix Spike				Run: SUB-C97404				02/25/08 03:07
Radium 226	60	pCi/L	0.20	91	70	130			
Sample ID: R08020052-001I	Sample Matrix Spike Duplicate				Run: SUB-C97404				02/25/08 04:38
Radium 226	64	pCi/L	0.20	97	70	130	6.3	26	
Sample ID: MB-17774	Method Blank				Run: SUB-C97404				02/25/08 18:12
Radium 226	ND	pCi/L	0.004						
Sample ID: LCS-17774	Laboratory Control Sample				Run: SUB-C97404				02/25/08 21:12
Radium 226	12	pCi/L	0.20	95	70	130			

Qualifiers:

RL - 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.

Company Name:	Project Name, PWS, Permit, Etc.	Sample Origin State:	EPA/State Compliance: Yes ☐ No ☐
LES/EC	Power Tech Dewey Burdock		
Report Mail Address:	**Contact Name:** Phone/Fax:	**Email:**	**Sampler: (Please Print)**
LES/EC	cory.foreman@respec.com		Eric Krantz Crystal Hocking
Invoice Address:	**Invoice Contact & Phone:**	**Purchase Order:**	**Quote/Bottle Order:**
LES/EC	cory.foreman@respec.com		

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

M-D-Y

ANALYSIS REQUESTED

As Per Quote

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	Number of Containers / Sample Type: A W S V B O / Air Water Soils/Solids Vegetation Bioassay Other	SEE ATTACHED	Normal Turnaround (TAT)	RUSH	Comments	Lab Set ID
1 DewBurd GW5	02-05-08	10:20	W					Set 17	L08020052-001
2 DewBurd GW675	02-05-08	12:04	W					Set 4	002
3 DewBurd GW677	02-05-08	13:39	W					Set 7	003
4 DewBurd GW42	02-05-08	14:10	W					Set 9	004
5 DewBurd GW678	02-05-08	15:39	W					Set 16	005
6 DewBurd GW678	02-05-08	15:45	W					Set 71	006
7 DewBurd GW676	02-05-08	16:57	W					Set 18	007
8 DewBurd BLK01	2-6-08	8:30	W						
9									
10									

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

All GW

Shipped by:

Cooler ID(s):

Receipt Temp 2.8 °C

On Ice: (Yes) No

Custody Seal Y N
Intact Y N
Signature Match Y N

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:
Crystal M Hocking	2/6/08 10:20	Crystal M Hocking		
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:
Sample Disposal: Return to Client: _____ Lab Disposal: _____			Received by Laboratory: Linda Larson	Date/Time: 2/6/08 10:

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to comple
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.
2821 Plant St
Rapid City, SD 57702-
(605) 342-1225

CHAIN-OF-CUSTODY RECORD

06-Feb-08

Custody Seal: Y N
Intacted: Y N
Signature Match: Y N

Shipped By: _____
Receipt Temp: _____

Subcontractor:
ELI - Casper
PO Box 3258
Casper, WY 82602
TEL: FAX:
Acct #:

Subcontractor's Client: RESPEC Inc

Shipped By: _____

Sample ID	Matrix	Collection Date	Bottle Type	Requested Tests: 200_7_8-W-D	200_7_8-W-SUS	200_7_8-W-T	CVAA-SE-3114-W-D	CVAA-SEIV-3114-W	CVAA-SEVI-3114-W	RAD-G-ALPHABET	RAD-G-GAMMA-W-D	RAD-PB210-W-D	RAD-PB210-W-SUS	RAD-PO210-W-D	RAD-PO210-W-SUS	RAD-RA226-W-D	RAD-RA226-W-SUS	RAD-RN222-W	RAD-TH-ISO-W-D	RAD-TH-ISO-W-SU
R08020052-001C	Aqueous	02/05/08 10:20 A	500ML-P-F-HNO3	1																
R08020052-001D	Aqueous	02/05/08 10:20 A	500ML-P-NF-HNO3			1														
R08020052-001E	Aqueous	02/05/08 10:20 A	500ML-P-F-HNO3				1	1	1											
R08020052-001G	Aqueous	02/05/08 10:20 A	40ML-CG-VOA															1		
R08020052-001H	Aqueous	02/05/08 10:20 A	1GAL-CUBE-F-HNO3							1	1	1		1		1			1	
R08020052-001I	Aqueous	02/05/08 10:20 A	ZIPLOCK		1								1		1		1			1
R08020052-002C	Aqueous	02/05/08 12:05 P	500ML-P-F-HNO3	1																
R08020052-002D	Aqueous	02/05/08 12:05 P	500ML-P-NF-HNO3			1														
R08020052-002E	Aqueous	02/05/08 12:05 P	500ML-P-F-HNO3				1	1	1											
R08020052-002G	Aqueous	02/05/08 12:05 P	40ML-CG-VOA															1		
R08020052-002H	Aqueous	02/05/08 12:05 P	1GAL-CUBE-F-HNO3							1	1	1		1		1			1	
R08020052-002I	Aqueous	02/05/08 12:05 P	ZIPLOCK		1								1		1		1			1
R08020052-003C	Aqueous	02/05/08 01:39 P	500ML-P-F-HNO3	1																
R08020052-003D	Aqueous	02/05/08 01:39 P	500ML-P-NF-HNO3			1														
R08020052-003E	Aqueous	02/05/08 01:39 P	500ML-P-F-HNO3				1	1	1											
R08020052-003G	Aqueous	02/05/08 01:39 P	40ML-CG-VOA															1		

Comments:

QC Level: _____

	Date/Time		Date/Time
Relinquished by:		**Received by:**	
Relinquished by:		**Received by:**	

Energy Laboratories Inc.

2821 Plant St
Rapid City, SD 57702-
(605) 342-1225

CHAIN-OF-CUSTODY RECORD

06-Feb-08

Custody Seal: Y N
Intacted: Y N
Signature Match: Y N

Shipped By:
Receipt Temp:

Subcontractor:
ELI - Casper
PO Box 3258
Casper, WY 82602
TEL: FAX:
Acct #:

Subcontractor's Client: RESPEC Inc

Shipped By:

Sample ID	Matrix	Collection Date	Bottle Type	Requested Tests: 200_7_8-W-D	200_7_8-W-SUS	200_7_8-W-T	CVAA-SE-3114-W-D	CVAA-SEV-3114-W	CVAA-SEVI-3114-W	RAD-G-ALPHABET	RAD-G-GAMMA-W-	RAD-PB210-W-D	RAD-PB210-W-SUS	RAD-PO210-W-D	RAD-PO210-W-SUS	RAD-RA226-W-D	RAD-RA226-W-SUS	RAD-RN222-W	RAD-TH-ISO-W-D	RAD-TH-ISO-W-SU
R08020052-003H	Aqueous	02/05/08 01:39 P	1GAL-CUBE-F-HNO3							1	1	1		1		1			1	
R08020052-003I	Aqueous	02/05/08 01:39 P	ZIPLOCK		1								1		1		1			1
R08020052-004C	Aqueous	02/05/08 02:10 P	500ML-P-F-HNO3	1																
R08020052-004D	Aqueous	02/05/08 02:10 P	500ML-P-NF-HNO3			1														
R08020052-004E	Aqueous	02/05/08 02:10 P	500ML-P-F-HNO3				1	1	1											
R08020052-004G	Aqueous	02/05/08 02:10 P	40ML-CG-VOA															1		
R08020052-004H	Aqueous	02/05/08 02:10 P	1GAL-CUBE-F-HNO3							1	1	1		1		1			1	
R08020052-004I	Aqueous	02/05/08 02:10 P	ZIPLOCK		1								1		1		1			1
R08020052-005C	Aqueous	02/05/08 03:39 P	500ML-P-F-HNO3	1																
R08020052-005D	Aqueous	02/05/08 03:39 P	500ML-P-NF-HNO3			1														
R08020052-005E	Aqueous	02/05/08 03:39 P	500ML-P-F-HNO3				1	1	1											
R08020052-005G	Aqueous	02/05/08 03:39 P	40ML-CG-VOA															1		
R08020052-005H	Aqueous	02/05/08 03:39 P	1GAL-CUBE-F-HNO3							1	1	1		1		1			1	
R08020052-005I	Aqueous	02/05/08 03:39 P	ZIPLOCK		1								1		1		1			1
R08020052-006C	Aqueous	02/05/08 03:45 P	500ML-P-F-HNO3	1																
R08020052-006D	Aqueous	02/05/08 03:45 P	500ML-P-NF-HNO3			1														

Comments:

QC Level:

Date/Time Date/Time

Relinquished by: **Received by:**

Relinquished by: **Received by:**

Energy Laboratories Inc.
2821 Plant St
Rapid City, SD 57702-
(605) 342-1225

CHAIN-OF-CUSTODY RECORD

06-Feb-08

Custody Seal: Y N
Intacted: Y N
Signature Match: Y N

Shipped By:
Receipt Temp:

Subcontractor:
ELI - Casper
PO Box 3258
Casper, WY 82602
TEL: FAX:
Acct #:

Subcontractor's Client: RESPEC Inc

Shipped By:

Sample ID	Matrix	Collection Date	Bottle Type	Requested Tests: 200_7_8-W-D	200_7_8-W-SUS	200_7_8-W-T	CVAA-SE-3114-W-D	CVAA-SEN-3114-W	CVAA-SEVI-3114-W	RAD-G-ALPHABET	RAD-G-GAMMA-W-	RAD-PB210-W	RAD-PB210-W-SUS	RAD-PO210-W-D	RAD-PO210-W-SUS	RAD-RA226-W-D	RAD-RA226-W-SUS	RAD-RN222-W	RAD-TH-ISO-W-D	RAD-TH-ISO-W-SU	
R08020052-006E	Aqueous	02/05/08 03:45 P	500ML-P-F-HNO3				1	1	1												
R08020052-006G	Aqueous	02/05/08 03:45 P	40ML-CG-VOA															1			
R08020052-006H	Aqueous	02/05/08 03:45 P	1GAL-CUBE-F-HNO3							1	1	1		1		1			1		
R08020052-006I	Aqueous	02/05/08 03:45 P	ZIPLOCK		1								1		1		1			1	
R08020052-007C	Aqueous	02/05/08 04:57 P	500ML-P-F-HNO3	1																	
R08020052-007D	Aqueous	02/05/08 04:57 P	500ML-P-NF-HNO3			1															
R08020052-007E	Aqueous	02/05/08 04:57 P	500ML-P-F-HNO3				1	1	1												
R08020052-007G	Aqueous	02/05/08 04:57 P	40ML-CG-VOA															1			
R08020052-007H	Aqueous	02/05/08 04:57 P	1GAL-CUBE-F-HNO3							1	1	1		1		1			1		
R08020052-007I	Aqueous	02/05/08 04:57 P	ZIPLOCK		1								1		1		1			1	
R08020052-008C	Aqueous	02/06/08 08:30 A	500ML-P-F-HNO3	1																	
R08020052-008D	Aqueous	02/06/08 08:30 A	500ML-P-NF-HNO3			1															
R08020052-008E	Aqueous	02/06/08 08:30 A	500ML-P-F-HNO3				1	1	1												
R08020052-008G	Aqueous	02/06/08 08:30 A	40ML-CG-VOA															1			
R08020052-008H	Aqueous	02/06/08 08:30 A	1GAL-CUBE-F-HNO3							1	1	1		1		1			1		
R08020052-008I	Aqueous	02/06/08 08:30 A	ZIPLOCK		1								1		1		1			1	

Comments:

QC Level:

	Date/Time		Date/Time
Relinquished by:		**Received by:**	
Relinquished by:		**Received by:**	

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ANALYTICAL SUMMARY REPORT

May 06, 2008

Cory Foreman
RESPEC Inc
3824 Jet Dr
Rapid City, SD 57701-

Workorder No.: R08020082 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 1 sample from RESPEC Inc on 2/11/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08020082-001	DewBurd GW635	02/10/08 14:55	02/11/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved

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: Linda Larson

Linda Larson
Rapid City - Project Manager

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Toll Free 888.672.1225 • Voice 605.342.1225 • Fax 605.342.1397 • rapid_city@energylab.com

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020082-001
Client Sample ID: DewBurd GW635

Report Date: 05/06/08
Collection Date: 02/10/08 14:55
Date Received: 02/11/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	120	mg/L		5		1	A2320 B	02/21/08 16:30/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	02/21/08 16:30/sn
Bicarbonate as HCO3	146	mg/L		5		1	A2320 B	02/21/08 16:30/sn
Calcium	132	mg/L		0.5		1	E200.7	02/26/08 23:17/eli-c
Chloride	26	mg/L		1		5	E300.0	02/14/08 16:28/sn
Fluoride	0.4	mg/L		0.1		1	E300.0	02/12/08 19:21/sn
Magnesium	52.3	mg/L		0.5		1	E200.7	02/26/08 23:17/eli-c
Nitrogen, Ammonia as N	0.5	mg/L		0.1		1	A4500-NH3 G	02/11/08 17:52/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	02/12/08 19:21/sn
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	02/12/08 19:21/sn
Potassium	8.2	mg/L		0.5		1	E200.7	02/26/08 23:17/eli-c
Silica	10	mg/L		0.5		1	E200.7	02/26/08 23:17/eli-c
Sodium	515	mg/L	D	8		10	E200.7_8	02/26/08 14:21/eli-c
Sulfate	1470	mg/L	D	7		100	E300.0	02/14/08 16:13/sn
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2950	umhos/cm		5.0		1	A2510 B	02/16/08 15:23/jmh
Oxidation-Reduction Potential	129.4	mV				1	A2580 B	02/11/08 00:00/sn
pH	7.91	s.u.		0.01		1	A4500-H B	02/16/08 14:58/jmh
Sodium Adsorption Ratio (SAR)	9.6	unitless		0.10		1	Calculation	04/15/08 00:00/lkl
Solids, Total Dissolved TDS @ 180 C	2300	mg/L		5		1	A2540 C	02/11/08 14:56/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	02/21/08 20:45/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	02/21/08 20:45/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/21/08 20:45/eli-c
Boron	0.5	mg/L		0.1		1	E200.7	02/26/08 23:17/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/21/08 20:45/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/21/08 20:45/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/21/08 20:45/eli-c
Iron	ND	mg/L		0.03		1	E200.7	02/26/08 23:17/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/21/08 20:45/eli-c
Manganese	0.06	mg/L		0.01		1	E200.8	02/21/08 20:45/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/21/08 20:45/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	02/21/08 20:45/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/21/08 20:45/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	02/19/08 11:49/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/22/08 18:18/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020082-001
Client Sample ID: DewBurd GW635

Report Date: 05/06/08
Collection Date: 02/10/08 14:55
Date Received: 02/11/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	02/21/08 20:45/eli-c
Uranium	0.0021	mg/L		0.0003		1	E200.8	02/21/08 20:45/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	02/21/08 20:45/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	02/21/08 20:45/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	02/21/08 22:09/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	02/19/08 09:45/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	02/19/08 12:26/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	14.8	pCi/L		1.0		1	E900.0	02/21/08 21:10/eli-c
Gross Alpha precision (±)	3.2	pCi/L				1	E900.0	02/21/08 21:10/eli-c
Gross Beta	10	pCi/L		2.0		1	E900.0	02/21/08 21:10/eli-c
Gross Beta precision (±)	5.5	pCi/L				1	E900.0	02/21/08 21:10/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	02/21/08 10:45/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	02/27/08 13:30/eli-c
Radium 226	1.3	pCi/L		0.2		1	E903.0	02/25/08 13:01/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	02/25/08 13:01/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	02/20/08 16:30/eli-c
Gross Gamma	91	pCi/L		20		1	E901.1	02/19/08 08:48/eli-c
Gross Gamma precision (±)	24	pCi/L				1	E901.1	02/19/08 08:48/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	02/20/08 10:45/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	02/21/08 15:15/eli-c
Radium 226	0.6	pCi/L		0.2		1	E903.0	02/25/08 13:00/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	02/25/08 13:00/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	02/21/08 16:15/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	806	pCi/L		100		1	D5072-92	02/12/08 17:03/eli-c
Radon 222 precision (±)	56.8	pCi/L				1	D5072-92	02/12/08 17:03/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	02/21/08 03:07/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020082-001
Client Sample ID: DewBurd GW635

Report Date: 05/06/08
Collection Date: 02/10/08 14:55
Date Received: 02/11/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Arsenic	ND	mg/L		0.001		1	E200.8	02/21/08 03:07/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/21/08 03:07/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	02/21/08 03:07/eli-c
Boron	0.5	mg/L		0.1		1	E200.7	02/26/08 23:20/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/21/08 03:07/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/21/08 03:07/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/21/08 03:07/eli-c
Iron	1.11	mg/L		0.03		1	E200.7	02/26/08 23:20/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/21/08 03:07/eli-c
Manganese	0.06	mg/L		0.01		1	E200.8	02/21/08 03:07/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/21/08 03:07/eli-c
Molybdenum	0.01	mg/L		0.01		1	E200.8	02/21/08 03:07/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/21/08 03:07/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	02/21/08 03:07/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/21/08 03:07/eli-c
Strontium	4.2	mg/L		0.1		1	E200.8	02/21/08 03:07/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	02/21/08 03:07/eli-c
Uranium	0.0021	mg/L		0.0003		1	E200.8	02/21/08 03:07/eli-c
Zinc	ND	mg/L		0.01		1	E200.7	02/26/08 23:20/eli-c
DATA QUALITY								
A/C Balance (± 5)	-0.25					1	A1030 E	04/15/08 00:00/lkl
Anions	33.7	meq/L				1	A1030 E	04/15/08 00:00/lkl
Cations	33.5	meq/L				1	A1030 E	04/15/08 00:00/lkl
Solids, Total Dissolved Calculated	2270	mg/L				1	A1030 E	04/15/08 00:00/lkl
TDS Balance (0.80 - 1.20)	1.03					1	A1030 E	04/15/08 00:00/lkl

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

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/06/08
Work Order: R08020082

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 080221A-ALK-SEL-W	
Sample ID: MBLK1_080221A	Method Blank				Run: PH_COND1-R_080221A			02/21/08 16:26	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Sample ID: LCS1_080221A	Laboratory Control Sample				Run: PH_COND1-R_080221A			02/21/08 16:28	
Alkalinity, Total as CaCO3	1010	mg/L	5.0	101	90	110			
Sample ID: R08020143-002BMS	Sample Matrix Spike				Run: PH_COND1-R_080221A			02/21/08 16:57	
Alkalinity, Total as CaCO3	380	mg/L	5.0	96	80	120			
Sample ID: R08020143-002BMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_080221A			02/21/08 17:00	
Alkalinity, Total as CaCO3	380	mg/L	5.0	96	80	120	0.0	20	
Method: A2510 B								Batch: 080216_1_COND-PROBE-W	
Sample ID: LCS1-1_080216	Laboratory Control Sample				Run: PH_COND2-R_080216A			02/16/08 15:21	
Conductivity @ 25 C	154	umhos/cm	5.0	103	90	110			
Sample ID: LCS2-1_080216	Laboratory Control Sample				Run: PH_COND2-R_080216A			02/16/08 15:21	
Conductivity @ 25 C	5060	umhos/cm	5.0	101	90	110			
Sample ID: LCS_COND-1_080216	Laboratory Control Sample				Run: PH_COND2-R_080216A			02/16/08 15:22	
Conductivity @ 25 C	1400	umhos/cm	5.0	99	90	110			
Sample ID: MBLK-1_080216	Method Blank				Run: PH_COND2-R_080216A			02/16/08 15:22	
Conductivity @ 25 C	ND	umhos/cm	5						
Sample ID: R08020082-001ADUP	Sample Duplicate				Run: PH_COND2-R_080216A			02/16/08 15:23	
Conductivity @ 25 C	2980	umhos/cm	5.0				1.0	10	
Method: A2540 C								Batch: 080211A-SLDS-TDS-W	
Sample ID: MBLK1_080211A	Method Blank				Run: BAL-4-R_080211A			02/11/08 14:08	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: LCS1_080211A	Laboratory Control Sample				Run: BAL-4-R_080211A			02/11/08 14:09	
Solids, Total Dissolved TDS @ 180 C	210	mg/L	5.0	104	90	110			
Sample ID: R08020065-001AMS	Sample Matrix Spike				Run: BAL-4-R_080211A			02/11/08 14:47	
Solids, Total Dissolved TDS @ 180 C	1000	mg/L	5.0	101	80	120			
Sample ID: R08020065-001AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080211A			02/11/08 14:48	
Solids, Total Dissolved TDS @ 180 C	1000	mg/L	5.0	112	80	120	2.1	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/06/08
Work Order: R08020082

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2580 B									Batch: R33555
Sample ID: LCS_021108	Laboratory Control Sample				Run: PH_COND1-R_080211A				02/11/08 00:00
Oxidation-Reduction Potential	480	mV		102	95	105			
Method: A3114 B									Batch: C_R97081
Sample ID: C08020402-001EMS	Sample Matrix Spike				Run: SUB-C97081				02/19/08 12:26
Selenium-VI	0.048	mg/L	0.0010	95	85	115			
Sample ID: C08020402-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C97081				02/19/08 12:26
Selenium-VI	0.050	mg/L	0.0010	99	85	115	3.9	10	
Method: A3114 B									Batch: C_SE3114-080219
Sample ID: MBLK	Method Blank				Run: SUB-C97079				02/19/08 11:44
Selenium	ND	mg/L	6E-05						
Sample ID: 288-30-5	Laboratory Control Sample				Run: SUB-C97079				02/19/08 11:47
Selenium	0.050	mg/L	0.0010	100	90	110			
Sample ID: C08020402-001EMS	Sample Matrix Spike				Run: SUB-C97079				02/19/08 12:10
Selenium	0.048	mg/L	0.0010	96	85	115			
Sample ID: C08020402-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C97079				02/19/08 12:12
Selenium	0.050	mg/L	0.0010	99	85	115	3.9	10	
Method: A3114 B									Batch: C_SEIV3114-080219
Sample ID: MBLK	Method Blank				Run: SUB-C97072				02/19/08 09:27
Selenium-IV	0.003	mg/L	6E-05						
Sample ID: 288-30-5	Laboratory Control Sample				Run: SUB-C97072				02/19/08 09:43
Selenium-IV	0.051	mg/L	0.0010	102	90	110			
Sample ID: C08020402-001EMS	Sample Matrix Spike				Run: SUB-C97072				02/19/08 10:20
Selenium-IV	0.089	mg/L	0.0010	177	85	115			S
- Matrix spike recoveries outside the acceptance range are considered matrix-related.									
Sample ID: C08020402-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C97072				02/19/08 10:22
Selenium-IV	0.085	mg/L	0.0010	169	85	115	5.0	10	S
- Matrix spike recoveries outside the acceptance range are considered matrix-related.									

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/06/08
Work Order: R08020082

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B									Batch: 080216_1_PH-W
Sample ID: LCS_pH-1_080216	Laboratory Control Sample				Run: PH_COND2-R_080216A				02/16/08 14:56
pH	6.93	s.u.	0.010	101	98.55	101.45			
Sample ID: R08020082-001ADUP	Sample Duplicate				Run: PH_COND2-R_080216A				02/16/08 14:58
pH	7.91	s.u.	0.010				0.0	1.25	
Method: A4500-NH3 G									Batch: A2008-02-11_2_NH3_01
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_080211A				02/11/08 15:32
Nitrogen, Ammonia as N	0.26	mg/L	0.10	102	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_080211A				02/11/08 15:33
Nitrogen, Ammonia as N	0.25	mg/L	0.10	99	90	110			
Sample ID: MBLK-5	Method Blank				Run: TECHAA2-R_080211A				02/11/08 15:34
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: R08020074-002CMS	Sample Matrix Spike				Run: TECHAA2-R_080211A				02/11/08 17:47
Nitrogen, Ammonia as N	0.69	mg/L	0.10	94	80	120			
Method: D5072-92									Batch: C_R96916
Sample ID: C08020427-001IDUP	Sample Duplicate				Run: SUB-C96916				02/12/08 17:03
Radon 222	307	pCi/L	100				8.9	30	
Sample ID: MB-R96916	Method Blank				Run: SUB-C96916				02/12/08 17:03
Radon 222	ND	pCi/L	100						
Sample ID: LCS-R96916	Laboratory Control Sample				Run: SUB-C96916				02/12/08 17:03
Radon 222	301	pCi/L	100	99	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/06/08
Work Order: R08020082

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_17796
Sample ID: MB-17796	Method Blank				Run: SUB-C97399				02/26/08 12:13
Boron	ND	mg/L	0.01						
Iron	ND	mg/L	0.009						
Zinc	0.002	mg/L	0.001						
Sample ID: LCS-17796	Laboratory Control Sample				Run: SUB-C97399				02/26/08 12:30
Boron	0.514	mg/L	0.10	103	85	115			
Iron	0.528	mg/L	0.030	106	85	115			
Zinc	0.528	mg/L	0.010	106	85	115			
Sample ID: LCS-17796	Laboratory Control Sample				Run: SUB-C97440				02/27/08 15:39
Boron	0.550	mg/L	0.10	110	85	115			
Iron	0.554	mg/L	0.030	111	85	115			
Zinc	0.561	mg/L	0.010	112	85	115			
Sample ID: C08020547-001BMS	Sample Matrix Spike				Run: SUB-C97440				02/27/08 18:27
Boron	9.95	mg/L	0.13	98	70	130			
Iron	9.57	mg/L	0.087	94	70	130			
Zinc	9.71	mg/L	0.014	97	70	130			
Sample ID: C08020547-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-C97440				02/27/08 18:30
Boron	10.3	mg/L	0.13	101	70	130	3.6	20	
Iron	9.80	mg/L	0.087	97	70	130	2.4	20	
Zinc	9.90	mg/L	0.014	99	70	130	1.9	20	

Qualifiers:

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ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/06/08
Work Order: R08020082

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R97399
Sample ID: LFB-TM	Laboratory Fortified Blank				Run: SUB-C97399				02/26/08 10:20
Silica	1.9	mg/L	0.10	97	85	125			
Boron	1.9	mg/L	0.10	95	85	125			
Iron	1.9	mg/L	0.030	97	85	125			
Sample ID: LFB-MAJORS	Laboratory Fortified Blank				Run: SUB-C97399				02/26/08 10:23
Calcium	25	mg/L	0.50	99	85	125			
Magnesium	24	mg/L	0.50	97	85	125			
Potassium	25	mg/L	0.50	99	85	125			
Sodium	24	mg/L	0.76	95	85	125			
Sample ID: LRB	Laboratory Reagent Blank				Run: SUB-C97399				02/26/08 10:30
Silica	ND	mg/L	0.10						
Boron	0.012	mg/L	0.10						
Calcium	ND	mg/L	0.50						
Iron	ND	mg/L	0.030						
Magnesium	ND	mg/L	0.50						
Potassium	0.062	mg/L	0.50						
Sodium	ND	mg/L	0.76						
Sample ID: C08020245-001DMS	Sample Matrix Spike				Run: SUB-C97399				02/26/08 13:03
Boron	205	mg/L	1.7	99	70	130			
Iron	192	mg/L	0.93	96	70	130			
Calcium	9180	mg/L	21	92	70	130			
Magnesium	9450	mg/L	7.3	90	70	130			
Potassium	21900	mg/L	4.5	91	70	130			
Silica	284	mg/L	4.0	97	70	130			
Sodium	33200	mg/L	150	65	70	130			S
Sample ID: C08020245-001DMSD	Sample Matrix Spike Duplicate				Run: SUB-C97399				02/26/08 13:06
Boron	208	mg/L	1.7	101	70	130	1.5	20	
Iron	193	mg/L	0.93	97	70	130	0.6	20	
Calcium	8970	mg/L	21	90	70	130	2.3	20	
Magnesium	9400	mg/L	7.3	89	70	130	0.5	20	
Potassium	22000	mg/L	4.5	91	70	130	0.2	20	
Silica	281	mg/L	4.0	95	70	130	1.3	20	
Sodium	33200	mg/L	150	66	70	130	0.1	20	S

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/06/08
Work Order: R08020082

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_17792
Sample ID: MB-17792	Method Blank				Run: SUB-C97226				02/21/08 21:54
Uranium	ND	mg/L	1E-06						
Sample ID: LCS1-17792	Laboratory Control Sample				Run: SUB-C97226				02/21/08 22:01
Uranium	0.0534	mg/L	0.00030	101	80	120			
Sample ID: R08020083-003K	Post Digestion Spike				Run: SUB-C97226				02/21/08 23:45
Uranium	0.0251	mg/L	0.00030	100	70	130			
Sample ID: R08020083-003K	Post Digestion Spike Duplicate				Run: SUB-C97226				02/21/08 23:53
Uranium	0.0248	mg/L	0.00030	99	70	130	1.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/06/08
Work Order: R08020082

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_17796
Sample ID: R08020083-003B	Post Digestion Spike				Run: SUB-C97150				02/21/08 06:08
Antimony	0.251	mg/L	0.050	100	70	130			
Arsenic	0.250	mg/L	0.0010	100	70	130			
Barium	0.252	mg/L	0.10	95	70	130			
Beryllium	0.202	mg/L	0.010	81	70	130			
Cadmium	0.248	mg/L	0.010	99	70	130			
Chromium	0.252	mg/L	0.050	101	70	130			
Copper	0.255	mg/L	0.010	100	70	130			
Lead	0.252	mg/L	0.050	101	70	130			
Manganese	0.302	mg/L	0.010	106	70	130			
Molybdenum	0.282	mg/L	0.10	112	70	130			
Nickel	0.264	mg/L	0.050	101	70	130			
Selenium	0.238	mg/L	0.0011	93	70	130			
Silver	0.0830	mg/L	0.010	83	70	130			
Strontium	8.15	mg/L	0.10		70	130			A
Thallium	0.254	mg/L	0.10	102	70	130			
Uranium	0.402	mg/L	0.00030	94	70	130			
Sample ID: R08020083-003B	Post Digestion Spike Duplicate				Run: SUB-C97150				02/21/08 06:16
Antimony	0.262	mg/L	0.050	105	70	130	4.3	20	
Arsenic	0.253	mg/L	0.0010	101	70	130	1.2	20	
Barium	0.253	mg/L	0.10	95	70	130	0.4	20	
Beryllium	0.201	mg/L	0.010	81	70	130	0.1	20	
Cadmium	0.251	mg/L	0.010	100	70	130	1.1	20	
Chromium	0.252	mg/L	0.050	101	70	130	0.1	20	
Copper	0.251	mg/L	0.010	99	70	130	1.4	20	
Lead	0.253	mg/L	0.050	101	70	130	0.5	20	
Manganese	0.295	mg/L	0.010	103	70	130	2.4	20	
Molybdenum	0.278	mg/L	0.10	110	70	130	1.6	20	
Nickel	0.269	mg/L	0.050	103	70	130	1.7	20	
Selenium	0.240	mg/L	0.0011	94	70	130	0.6	20	
Silver	0.107	mg/L	0.010	107	70	130	26	20	R
Strontium	7.93	mg/L	0.10		70	130	2.7	20	A
Thallium	0.254	mg/L	0.10	102	70	130	0.0	20	
Uranium	0.406	mg/L	0.00030	95	70	130	1.0	20	
Sample ID: MB-17796	Method Blank				Run: SUB-C97150				02/21/08 02:45
Antimony	ND	mg/L	0.0003						
Arsenic	ND	mg/L	0.0001						
Barium	ND	mg/L	8E-05						
Beryllium	ND	mg/L	7E-05						
Cadmium	ND	mg/L	0.0004						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

R - RPD exceeds advisory limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/06/08
Work Order: R08020082

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_17796
Sample ID: MB-17796	Method Blank				Run: SUB-C97150				02/21/08 02:45
Chromium	ND	mg/L	0.0002						
Copper	ND	mg/L	0.0001						
Lead	ND	mg/L	0.0001						
Manganese	0.0001	mg/L	5E-05						
Mercury	9E-05	mg/L	3E-05						
Molybdenum	0.001	mg/L	0.0002						
Nickel	ND	mg/L	6E-05						
Selenium	ND	mg/L	0.0002						
Silver	ND	mg/L	0.0001						
Strontium	ND	mg/L	7E-05						
Thallium	ND	mg/L	5E-05						
Uranium	0.0004	mg/L	4E-05						
Sample ID: LCS-17796	Laboratory Control Sample				Run: SUB-C97150				02/21/08 03:00
Antimony	0.0484	mg/L	0.050	97	85	115			
Arsenic	0.0492	mg/L	0.0010	98	85	115			
Barium	0.0487	mg/L	0.10	97	85	115			
Beryllium	0.0492	mg/L	0.010	98	85	115			
Cadmium	0.0492	mg/L	0.010	98	85	115			
Chromium	0.0490	mg/L	0.050	98	85	115			
Copper	0.0488	mg/L	0.010	98	85	115			
Lead	0.0492	mg/L	0.050	98	85	115			
Manganese	0.0480	mg/L	0.010	96	85	115			
Molybdenum	0.0509	mg/L	0.10	99	85	115			
Nickel	0.0501	mg/L	0.050	100	85	115			
Selenium	0.0485	mg/L	0.0010	97	85	115			
Silver	0.0218	mg/L	0.010	109	85	115			
Strontium	0.0475	mg/L	0.10	95	85	115			
Thallium	0.0495	mg/L	0.10	99	85	115			
Uranium	0.0479	mg/L	0.00030	95	85	115			
Sample ID: MB-17796	Method Blank				Run: SUB-C97226				02/21/08 20:25
Antimony	ND	mg/L	0.0003						
Arsenic	ND	mg/L	0.0001						
Barium	ND	mg/L	8E-05						
Beryllium	ND	mg/L	7E-05						
Cadmium	ND	mg/L	0.0002						
Chromium	ND	mg/L	0.0003						
Copper	ND	mg/L	8E-05						
Lead	ND	mg/L	0.0001						
Manganese	0.0001	mg/L	5E-05						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/06/08
Work Order: R08020082

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_17796
Sample ID: MB-17796	Method Blank				Run: SUB-C97226				02/21/08 20:25
Molybdenum	ND	mg/L	0.0002						
Nickel	8E-05	mg/L	6E-05						
Selenium	ND	mg/L	0.0002						
Strontium	9E-05	mg/L	7E-05						
Thallium	ND	mg/L	5E-05						
Uranium	ND	mg/L	4E-05						
Sample ID: LCS1-17796	Laboratory Control Sample				Run: SUB-C97226				02/21/08 20:32
Antimony	0.0195	mg/L	0.050	97	80	120			
Arsenic	0.0197	mg/L	0.0010	99	80	120			
Barium	0.0206	mg/L	0.10	103	80	120			
Beryllium	0.0202	mg/L	0.010	101	80	120			
Cadmium	0.0209	mg/L	0.010	104	80	120			
Chromium	0.0187	mg/L	0.050	93	80	120			
Copper	0.0197	mg/L	0.010	98	80	120			
Lead	0.0204	mg/L	0.050	102	80	120			
Manganese	0.0192	mg/L	0.010	96	80	120			
Molybdenum	0.0216	mg/L	0.10	108	80	120			
Nickel	0.0194	mg/L	0.050	97	80	120			
Selenium	0.101	mg/L	0.0010	101	80	120			
Strontium	0.0105	mg/L	0.10	105	80	120			
Thallium	0.0202	mg/L	0.10	101	80	120			
Uranium	0.0197	mg/L	0.00030	98	80	120			
Sample ID: LCS-17796	Laboratory Control Sample				Run: SUB-C97226				02/21/08 20:39
Antimony	0.0502	mg/L	0.050	100	85	115			
Arsenic	0.0518	mg/L	0.0010	104	85	115			
Barium	0.0520	mg/L	0.10	104	85	115			
Beryllium	0.0522	mg/L	0.010	104	85	115			
Cadmium	0.0526	mg/L	0.010	105	85	115			
Chromium	0.0509	mg/L	0.050	102	85	115			
Copper	0.0494	mg/L	0.010	99	85	115			
Lead	0.0522	mg/L	0.050	104	85	115			
Manganese	0.0505	mg/L	0.010	101	85	115			
Molybdenum	0.0534	mg/L	0.10	107	85	115			
Nickel	0.0496	mg/L	0.050	99	85	115			
Selenium	0.0509	mg/L	0.0010	102	85	115			
Strontium	0.0518	mg/L	0.10	104	85	115			
Thallium	0.0523	mg/L	0.10	105	85	115			
Uranium	0.0506	mg/L	0.00030	101	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/06/08
Work Order: R08020082

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_17796
Sample ID: R08020083-003B	Post Digestion Spike				Run: SUB-C97226				02/21/08 21:39
Antimony	0.268	mg/L	0.050	107	70	130			
Arsenic	0.265	mg/L	0.0010	106	70	130			
Barium	0.273	mg/L	0.10	103	70	130			
Beryllium	0.201	mg/L	0.010	80	70	130			
Cadmium	0.256	mg/L	0.010	102	70	130			
Copper	0.254	mg/L	0.010	99	70	130			
Lead	0.264	mg/L	0.050	106	70	130			
Nickel	0.270	mg/L	0.050	100	70	130			
Selenium	0.269	mg/L	0.0011	104	70	130			
Silver	0.0875	mg/L	0.010	88	70	130			
Strontium	9.41	mg/L	0.10		70	130			A
Thallium	0.267	mg/L	0.10	107	70	130			
Uranium	0.439	mg/L	0.00030	106	70	130			
- Matrix spike recoveries outside the acceptance range are considered matrix-related.									
Sample ID: R08020083-003B	Post Digestion Spike Duplicate				Run: SUB-C97226				02/21/08 21:46
Antimony	0.266	mg/L	0.050	106	70	130	1.0	20	
Arsenic	0.268	mg/L	0.0010	107	70	130	1.1	20	
Barium	0.273	mg/L	0.10	103	70	130	0.1	20	
Beryllium	0.210	mg/L	0.010	84	70	130	4.4	20	
Cadmium	0.263	mg/L	0.010	105	70	130	2.7	20	
Copper	0.254	mg/L	0.010	100	70	130	0.1	20	
Lead	0.265	mg/L	0.050	106	70	130	0.2	20	
Nickel	0.265	mg/L	0.050	98	70	130	1.7	20	
Selenium	0.274	mg/L	0.0011	106	70	130	1.8	20	
Silver	0.107	mg/L	0.010	107	70	130	20	20	R
Strontium	9.41	mg/L	0.10		70	130	0.0	20	A
Thallium	0.267	mg/L	0.10	107	70	130	0.2	20	
Uranium	0.431	mg/L	0.00030	103	70	130	2.0	20	
- Matrix spike recoveries outside the acceptance range are considered matrix-related.									

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

R - RPD exceeds advisory limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/06/08
Work Order: R08020082

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R97199
Sample ID: CCB	Method Blank				Run: SUB-C97199				02/21/08 13:16
Aluminum	0.0003	mg/L	0.0001						
Arsenic	ND	mg/L	0.0002						
Barium	ND	mg/L	8E-05						
Cadmium	ND	mg/L	8E-05						
Chromium	ND	mg/L	0.0002						
Copper	ND	mg/L	6E-05						
Lead	ND	mg/L	3E-05						
Manganese	ND	mg/L	4E-05						
Mercury	ND	mg/L	4E-05						
Molybdenum	ND	mg/L							
Nickel	ND	mg/L	5E-05						
Thorium 232	ND	mg/L	6E-05						
Uranium	ND	mg/L	4E-05						
Vanadium	ND	mg/L	6E-05						
Zinc	ND	mg/L	0.0001						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C97199				02/21/08 13:36
Aluminum	0.0520	mg/L	0.0010	103	85	115			
Arsenic	0.0520	mg/L	0.0010	104	85	115			
Barium	0.0546	mg/L	0.0010	109	85	115			
Cadmium	0.0540	mg/L	0.0010	108	85	115			
Chromium	0.0523	mg/L	0.0010	105	85	115			
Copper	0.0526	mg/L	0.0010	105	85	115			
Lead	0.0519	mg/L	0.0010	104	85	115			
Manganese	0.0511	mg/L	0.0010	102	85	115			
Mercury	0.00510	mg/L	0.0010	102	85	115			
Molybdenum	0.0551	mg/L	0.0010	110	85	115			
Nickel	0.0517	mg/L	0.0010	103	85	115			
Thorium 232	0.0519	mg/L	0.0010	104	85	115			
Uranium	0.0513	mg/L	0.00030	103	85	115			
Vanadium	0.0526	mg/L	0.0010	105	85	115			
Zinc	0.0565	mg/L	0.0010	113	85	115			
Sample ID: R08020083-002A	Sample Matrix Spike				Run: SUB-C97199				02/21/08 21:39
Aluminum	102	mg/L	0.10		70	130			A
Arsenic	0.0550	mg/L	0.0010	101	70	130			
Barium	0.0567	mg/L	0.10	106	70	130			
Cadmium	0.0822	mg/L	0.010	91	70	130			
Chromium	0.0406	mg/L	0.050	55	70	130			S
Copper	0.178	mg/L	0.010	90	70	130			
Lead	0.0528	mg/L	0.050	103	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/06/08
Work Order: R08020082

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R97199
Sample ID: R08020083-002A	Sample Matrix Spike				Run: SUB-C97199				02/21/08 21:39
Manganese	162	mg/L	0.010		70	130			A
Mercury	0.00485	mg/L	0.0010	97	70	130			
Molybdenum	0.0530	mg/L	0.10	106	70	130			
Nickel	6.31	mg/L	0.050		70	130			A
Thorium 232	0.0665	mg/L	0.0010	107	70	130			
Uranium	7.81	mg/L	0.00030		70	130			A
Vanadium	0.0289	mg/L	0.10	57	70	130			S
Zinc	6.36	mg/L	0.010		70	130			A
Method: E200.8									Batch: C_R97313
Sample ID: LRB	Method Blank				Run: SUB-C97313				02/22/08 14:40
Silver	0.0005	mg/L	3E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C97313				02/22/08 16:36
Silver	0.0196	mg/L	0.0010	95	85	115			
Sample ID: R08020083-002A	Post Digestion Spike				Run: SUB-C97313				02/22/08 17:57
Silver	0.0166	mg/L	0.010	83	70	130			
Sample ID: R08020083-002A	Post Digestion Spike Duplicate				Run: SUB-C97313				02/22/08 18:04
Silver	0.0149	mg/L	0.010	74	70	130	11	20	
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C97313				02/22/08 14:46
Silver	0.0153	mg/L	0.0010	74	85	115			S

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/06/08
Work Order: R08020082

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R33470
Sample ID: LFB0802125708-1	Laboratory Fortified Blank				Run: DIONEX_080212A				02/12/08 18:04
Fluoride	1.76	mg/L	0.10	98	90	110			
Nitrogen, Nitrate as N	2.22	mg/L	0.10	99	90	110			
Nitrogen, Nitrite as N	2.19	mg/L	0.10	97	90	110			
Sample ID: LFB0802125708-1	Laboratory Fortified Blank				Run: DIONEX_080212A				02/12/08 18:20
Fluoride	1.70	mg/L	0.10	94	90	110			
Nitrogen, Nitrate as N	2.24	mg/L	0.10	100	90	110			
Nitrogen, Nitrite as N	2.20	mg/L	0.10	98	90	110			
Sample ID: R08020082-001AMS	Sample Matrix Spike				Run: DIONEX_080212A				02/12/08 18:50
Fluoride	89.3	mg/L	0.56	89	80	120			
Nitrogen, Nitrate as N	104	mg/L	1.3	83	80	120			
Nitrogen, Nitrite as N	95.4	mg/L	2.9	76	80	120			S
Sample ID: R08020082-001AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080212A				02/12/08 19:06
Fluoride	88.8	mg/L	0.56	89	80	120	0.6	10	
Nitrogen, Nitrate as N	101	mg/L	1.3	81	80	120	2.6	10	
Nitrogen, Nitrite as N	99.4	mg/L	2.9	80	80	120	4.1	10	
Method: E300.0									Batch: R33510
Sample ID: LFB0802130124-1	Laboratory Fortified Blank				Run: DIONEX_080214A				02/14/08 15:42
Chloride	5.60	mg/L	0.50	112	90	110			S
Sulfate	14.9	mg/L	1.0	99	90	110			
Sample ID: LFB0802130124-1	Laboratory Fortified Blank				Run: DIONEX_080214A				02/14/08 15:57
Chloride	5.29	mg/L	0.50	106	90	110			
Sulfate	14.3	mg/L	1.0	95	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/06/08
Work Order: R08020082

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0									Batch: C_GrAB-0397
Sample ID: MB-GrAB-0397	Method Blank				Run: SUB-C97233				02/21/08 08:44
Gross Alpha	ND	pCi/L	1						
Gross Beta	ND	pCi/L	2						
Sample ID: UNAT-GrAB-0397	Laboratory Control Sample				Run: SUB-C97233				02/21/08 08:44
Gross Alpha	270	pCi/L	1.0	112	70	130			
Sample ID: Cs137-GrAB-0397	Laboratory Control Sample				Run: SUB-C97233				02/21/08 08:44
Gross Beta	93	pCi/L	2.0	98	70	130			
Sample ID: C08011257-001AMS	Sample Matrix Spike				Run: SUB-C97233				02/21/08 08:44
Gross Alpha	440	pCi/L	1.0	90	70	130			
Sample ID: C08011257-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C97233				02/21/08 08:44
Gross Alpha	370	pCi/L	1.0	75	70	130	19	30	
Sample ID: C08011257-001AMS	Sample Matrix Spike				Run: SUB-C97233				02/21/08 08:44
Gross Beta	240	pCi/L	2.0	93	70	130			
Sample ID: C08011257-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C97233				02/21/08 08:44
Gross Beta	260	pCi/L	2.0	114	70	130	8.0	13.3	
Method: E901.1									Batch: C_R97137
Sample ID: LCS-R97137	Laboratory Control Sample				Run: SUB-C97137				02/19/08 08:48
Americium 241	720	pCi/L	20	88	70	130			
Cesium 137	1200	pCi/L	20	82	70	130			
Potassium 40	7400	pCi/L	20	111	70	130			
Sample ID: MB-R97137	Method Blank				Run: SUB-C97137				02/19/08 08:48
Gross Gamma	ND	pCi/L	20						
Sample ID: R08020083-003I	Sample Duplicate				Run: SUB-C97137				02/19/08 08:48
Gross Gamma	ND	pCi/L	20				0.0	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/06/08
Work Order: R08020082

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: C_RA226-2633
Sample ID: R08020083-003K	Sample Matrix Spike				Run: SUB-C97303				02/25/08 14:45
Radium 226	120	pCi/L	0.20	95	70	130			
Sample ID: R08020083-003K	Sample Matrix Spike Duplicate				Run: SUB-C97303				02/25/08 14:45
Radium 226	120	pCi/L	0.20	92	70	130	2.6	24.9	
Sample ID: LCS-17792	Laboratory Control Sample				Run: SUB-C97303				02/25/08 14:45
Radium 226	12	pCi/L	0.20	95	70	130			
Sample ID: MB-17792	Method Blank				Run: SUB-C97303				02/25/08 14:45
Radium 226	ND	pCi/L	0.2						
Method: E903.0									Batch: C_RA226-2636
Sample ID: C08020433-002AMS	Sample Matrix Spike				Run: SUB-C97306				02/25/08 14:46
Radium 226	8.3	pCi/L	0.20	96	70	130			
Sample ID: C08020433-002AMSD	Sample Matrix Spike Duplicate				Run: SUB-C97306				02/25/08 14:46
Radium 226	7.8	pCi/L	0.20	90	70	130	6.2	24.9	
Sample ID: MB-RA226-2636	Method Blank				Run: SUB-C97306				02/25/08 14:46
Radium 226	ND	pCi/L	0.2						
Sample ID: LCS-RA226-2636	Laboratory Control Sample				Run: SUB-C97306				02/25/08 14:46
Radium 226	6.8	pCi/L	0.20	108	70	130			
Method: E907.0									Batch: C_17792
Sample ID: R08020131-001K	Sample Duplicate				Run: SUB-C97814				02/21/08 16:15
Thorium 230	0.332	pCi/L	0.20		70	130	15	30	
Sample ID: LCS-17792	Laboratory Control Sample				Run: SUB-C97814				02/21/08 16:15
Thorium 230	32.7	pCi/g-dry	0.10	67	70	130			S
- LCS response is below the acceptance range for this analysis. Since the MB and the RPDs for all 3 MDs are acceptable the batch is approved.									
Sample ID: MB-17792	Method Blank				Run: SUB-C97814				02/21/08 16:15
Thorium 230	ND	pCi/g-dry							

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/06/08
Work Order: R08020082

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: C_R98124
Sample ID: LCS-R98124	Laboratory Control Sample				Run: SUB-C98124				02/20/08 16:30
Thorium 230	4.40	pCi/L	0.20	66	70	130			S
- LCS response is below the acceptance range for this analysis. Since the MB and the RPDs for for this batch are acceptable the batch is approved.									
Sample ID: C08020336-005HMS	Sample Matrix Spike				Run: SUB-C98124				02/20/08 16:30
Thorium 230	13.0	pCi/L	0.20	77	70	130			
Sample ID: C08020336-005HMSD	Sample Matrix Spike Duplicate				Run: SUB-C98124				02/20/08 16:30
Thorium 230	11.8	pCi/L	0.20	71	70	130	9.7	30	
Sample ID: MB-R98124	Method Blank				Run: SUB-C98124				02/20/08 16:30
Thorium 230	0.1	pCi/L							
Method: E909.0M									Batch: C_R97461
Sample ID: C08020617-003FMS	Sample Matrix Spike				Run: SUB-C97461				02/21/08 10:45
Lead 210	170	pCi/L	1.0	89	70	130			
Sample ID: C08020617-003FMSD	Sample Matrix Spike Duplicate				Run: SUB-C97461				02/21/08 10:45
Lead 210	230	pCi/L	1.0	122	70	130	32	30	R
- The RPD for the spike is high. The individual Spike recoveries are within range, the MB is acceptable, and the LCS is within range, therefore the batch is approved.									
Sample ID: C08020617-008FDUP	Sample Duplicate				Run: SUB-C97461				02/21/08 10:45
Lead 210	-3.3	pCi/L	1.0				0.0	30	
Sample ID: MB-R97461	Method Blank				Run: SUB-C97461				02/21/08 10:45
Lead 210	ND	pCi/L	1						
Sample ID: LCS-R97461	Laboratory Control Sample				Run: SUB-C97461				02/21/08 10:45
Lead 210	85	pCi/L	1.0	71	70	130			
Method: RMO-3008									Batch: C_R97290
Sample ID: R08020130-004I	Sample Duplicate				Run: SUB-C97290				02/21/08 15:15
Polonium 210	ND	pCi/L	1.0				0.0	30	
Sample ID: LCS-17696	Laboratory Control Sample				Run: SUB-C97290				02/21/08 15:15
Polonium 210	18	pCi/L	1.0	80	70	130			
Sample ID: MB-17696	Method Blank				Run: SUB-C97290				02/21/08 15:15
Polonium 210	ND	pCi/L	0.02						

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/06/08
Work Order: R08020082

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RMO-3008									Batch: C_R97982
Sample ID: R08020220-005H	Sample Matrix Spike				Run: SUB-C97982				02/27/08 13:30
Polonium 210	160	pCi/L	1.0	70	70	130			
Sample ID: R08020220-005H	Sample Matrix Spike Duplicate				Run: SUB-C97982				02/27/08 13:30
Polonium 210	170	pCi/L	1.0	74	70	130	6.4	30	
Sample ID: LCS-R97982	Laboratory Control Sample				Run: SUB-C97982				02/27/08 13:30
Polonium 210	78	pCi/L	1.0	68	70	130			S
- LCS response is outside of the acceptance range for this analysis. Since the MS, MSD and the RPD for the MS MSD pair are acceptable the batch is approved.									
Sample ID: MB-R97982	Method Blank				Run: SUB-C97982				02/27/08 13:30
Polonium 210	2	pCi/L							

Qualifiers:

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

Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT- Provide as much information as possible.

Company Name: RESPEC	Project Name, PWS, Permit, Etc.: Powertech Dewey Burdock	Sample Origin State:	EPA/State Compliance: Yes ☐ No ☐
Report Mail Address: RESPEC	Contact Name: Coly Foreman Phone/Fax:	Email:	Sampler: (Please Print) Coly Foreman
Invoice Address: RESPEC	Invoice Contact & Phone:	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 W S V B O
Air Water Soils/Solids Vegetation Bioassay Other

ANALYSIS REQUESTED

As per Quote

SEE ATTACHED

Normal Turnaround (TAT)

RUSH

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

Comments: GW

Shipped by:

Cooler ID(s):

Receipt Temp 2.6 °C

On Ice: (Yes) No

Custody Seal Y N
Intact Y N
Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX		
1	DewBurd GW635	2/10/08	14:55	W	Bottle set 12	K08020092-001
2						
3						
4						
5						
6						
7						
8						
9						
10						

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by (print): Matt Stoltenberg	Date/Time: 2-11-08	Signature:	Received by (print): Steve Fossland	Date/Time: 2-11-08 9:00	Signature:
Relinquished by (print):	Date/Time:	Signature:	Received by:	Date/Time:	Signature:
Sample Disposal: Return to Client: _____		Lab Disposal: _____	Received by Laboratory:	Date/Time:	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.

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ANALYTICAL SUMMARY REPORT

May 08, 2008

Cory Foreman
RESPEC Inc
3824 Jet Dr
Rapid City, SD 57701-

Workorder No.: R08020130 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 4 samples from RESPEC Inc on 2/12/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08020130-001	DewBurd ~~GW4~~ GW2	02/12/08 ~~9:52~~ 10:21	02/12/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Mercury, Total Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved
R08020130-002	DewBurd ~~GW2~~ GW4	02/12/08 ~~10:21~~ 9:52	02/12/08	Aqueous	Same As Above
R08020130-003	DewBurd GW18	02/12/08 11:08	02/12/08	Aqueous	Same As Above
R08020130-004	DewBurd GW4002	02/12/08 11:47	02/12/08	Aqueous	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: Linda Larson

Linda Larson

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CASE NARRATIVE

The following Case Narrative contains exceptions or comments pertaining to the analysis of samples submitted by RESPEC Inc on 2/12/2008 3:38:00 PM. These samples were assigned ELI Workorder Number R08020130.

This case narrative is used to explain any exceptions to the analyses performed for your sample(s). In accordance with Good Analytical Laboratory Practices (GALP), samples requiring data qualifiers or analytical modifications are explained herein.

All samples were analyzed in accordance with prescribed methodology, except were noted. Samples are accompanied by appropriate quality assurance/quality control (QA/QC) samples throughout the analytical process.

During the course of analyzing your sample(s) the following exceptions were noted.
- Any exceptions noted are listed in the Analytical Report

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

BRANCH LABORATORY IDENTIFIERS
eli-b - Energy Laboratories, Inc. - Billings, MT, EPA # MT00005
eli-c - Energy Laboratories, Inc. - Casper, WY, EPA# WY00002
eli-f - Energy Laboratories, Inc. - Idaho Falls, ID, EPA # ID00942
eli-g - Energy Laboratories, Inc. - Gillette, WY, EPA# WY00006
eli-h - Energy Laboratories, Inc. - Helena, MT, EPA# MT00945
eli-t - Energy Laboratories, Inc. - College Station, TX, EPA# TX01520

For additional information, including certifications, and analytical services visit our web page www.energylab.com.

If you have questions regarding this information, please feel free to contact us at (888)672-1225, (605)342-1225 or rapid_city@energylab.com.
Comments imported for SUBBED Workorder: C08020548
Comments imported for SUBBED Workorder: B08031411
Prep Comments for Sample R08020130-001D, Test PRP-HG-245.1: The prep HoldTime was exceeded by 12.9 days.
Prep Comments for Sample R08020130-002D, Test PRP-HG-245.1: The prep HoldTime was exceeded by 12.9 days.
Prep Comments for Sample R08020130-003D, Test PRP-HG-245.1: The prep HoldTime was exceeded by 12.8 days.
Prep Comments for Sample R08020130-004D, Test PRP-HG-245.1: The prep HoldTime was exceeded by 12.8 days.
End of comments imported for SUBBED Workorder: B08031411
End of comments imported for SUBBED Workorder: C08020548

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020130-001
Client Sample ID: DewBurd ~~GW4~~ GW2

Report Date: 05/08/08
Collection Date: 02/12/08 ~~09:52~~ 10:21
Date Received: 02/12/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	208	mg/L		5		1	A2320 B	02/21/08 16:38/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	02/21/08 16:38/sn
Bicarbonate as HCO3	254	mg/L		5		1	A2320 B	02/21/08 16:38/sn
Calcium	54.0	mg/L		0.5		1	E200.7	02/27/08 20:29/eli-c
Chloride	11	mg/L		1		1	E300.0	02/14/08 21:21/sn
Fluoride	0.3	mg/L		0.1		1	E300.0	02/14/08 21:21/sn
Magnesium	17.6	mg/L		0.5		1	E200.7	02/27/08 20:29/eli-c
Nitrogen, Ammonia as N	0.4	mg/L		0.1		1	A4500-NH3 G	02/19/08 12:24/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	02/14/08 21:21/sn
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	02/14/08 21:21/sn
Potassium	11.5	mg/L		0.5		1	E200.7	02/27/08 20:29/eli-c
Silica	8.7	mg/L		0.1		1	E200.7	02/27/08 20:29/eli-c
Sodium	276	mg/L	D	0.8		1	E200.7	02/27/08 20:29/eli-c
Sulfate	639	mg/L		1		5	E300.0	02/14/08 21:05/sn
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1580	umhos/cm		5.0		1	A2510 B	02/16/08 15:30/jmh
Oxidation-Reduction Potential	190	mV				1	A2580 B	02/13/08 00:00/sn
pH	7.93	s.u.		0.01		1	A4500-H B	02/16/08 15:03/jmh
Sodium Adsorption Ratio (SAR)	8.3	Unitless		0.10		1	Calculation	02/27/08 20:29/krs
Solids, Total Dissolved TDS @ 180 C	1100	mg/L		5		1	A2540 C	02/19/08 14:20/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	02/22/08 19:39/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	02/22/08 19:39/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/22/08 19:39/eli-c
Boron	ND	mg/L		0.1		1	E200.7	02/27/08 20:29/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/22/08 19:39/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/22/08 19:39/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/22/08 19:39/eli-c
Iron	ND	mg/L		0.03		1	E200.7	02/27/08 20:29/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/22/08 19:39/eli-c
Manganese	0.09	mg/L		0.01		1	E200.8	02/22/08 19:39/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/22/08 19:39/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	02/22/08 19:39/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/22/08 19:39/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	02/19/08 11:55/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/22/08 19:39/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020130-001
Client Sample ID: DewBurd ~~GW4~~ GW2

Report Date: 05/08/08
Collection Date: 02/12/08 ~~09:52~~ 10:21
Date Received: 02/12/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	02/22/08 19:39/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	02/22/08 19:39/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	02/22/08 19:39/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	02/22/08 19:39/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	02/21/08 22:53/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	02/19/08 09:52/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	02/19/08 12:26/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	6.7	pCi/L		1.0		1	E900.0	02/29/08 03:49/eli-c
Gross Alpha precision (±)	1.2	pCi/L				1	E900.0	02/29/08 03:49/eli-c
Gross Beta	22.1	pCi/L		2.0		1	E900.0	02/29/08 03:49/eli-c
Gross Beta precision (±)	2.7	pCi/L				1	E900.0	02/29/08 03:49/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	02/21/08 10:45/eli-c
Polonium 210	2.1	pCi/L		1.0		1	RMO-3008	02/27/08 13:30/eli-c
Polonium 210 precision (±)	2.0	pCi/L				1	RMO-3008	02/27/08 13:30/eli-c
Radium 226	1.1	pCi/L		0.2		1	E903.0	03/03/08 19:46/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	03/03/08 19:46/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	02/22/08 14:15/eli-c
Gross Gamma	ND	pCi/L		20		1	E901.1	02/19/08 08:48/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	02/20/08 10:45/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	02/21/08 15:15/eli-c
Radium 226	ND	pCi/L		0.2		1	E903.0	02/25/08 13:00/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	02/21/08 16:15/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	792	pCi/L	H	100		1	D5072-92	02/19/08 02:27/eli-c
Radon 222 precision (±)	122	pCi/L	H			1	D5072-92	02/19/08 02:27/eli-c
- Hold time for Radon is set to 1 half life as a guideline. Since this data is well above RL/MDC, this batch is approved.								
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	02/21/08 04:53/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	02/21/08 04:53/eli-c

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QCL - Quality control limit. ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020130-001
Client Sample ID: DewBurd ~~GW4~~ GW2

Report Date: 05/08/08
Collection Date: 02/12/08 ~~09:52~~ 10:21
Date Received: 02/12/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Barium	ND	mg/L		0.1		1	E200.8	02/21/08 04:53/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	02/21/08 04:53/eli-c
Boron	ND	mg/L		0.1		1	E200.7	02/27/08 20:42/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/21/08 04:53/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/21/08 04:53/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/21/08 04:53/eli-c
Iron	1.48	mg/L		0.03		1	E200.7	02/27/08 20:42/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/21/08 04:53/eli-c
Manganese	0.09	mg/L		0.01		1	E200.8	02/21/08 04:53/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	03/24/08 11:50/eli-b
Molybdenum	ND	mg/L		0.01		1	E200.8	02/21/08 04:53/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/21/08 04:53/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	02/21/08 04:53/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/21/08 04:53/eli-c
Strontium	1.7	mg/L		0.1		1	E200.8	02/21/08 04:53/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	02/21/08 04:53/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	02/21/08 04:53/eli-c
Zinc	ND	mg/L		0.01		1	E200.7	02/27/08 20:42/eli-c
DATA QUALITY								
A/C Balance (± 5)	-3.82	%				1	A1030 E	05/07/08 09:15/krs
Anions	17.8	meq/L				1	A1030 E	05/07/08 09:15/krs
Cations	16.5	meq/L				1	A1030 E	05/07/08 09:15/krs
Solids, Total Dissolved Calculated	1160	mg/L				1	A1030 E	05/07/08 09:15/krs
TDS Balance (0.80 - 1.20)	0.940	dec. %				1	A1030 E	05/07/08 09:15/krs

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QCL - Quality control limit. ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020130-002
Client Sample ID: DewBurd ~~GW2~~ GW4

Report Date: 05/08/08
Collection Date: 02/12/08 ~~10:21~~ 9:52
Date Received: 02/12/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	88	mg/L		5		1	A2320 B	02/21/08 16:40/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	02/21/08 16:40/sn
Bicarbonate as HCO3	107	mg/L		5		1	A2320 B	02/21/08 16:40/sn
Calcium	241	mg/L		0.5		1	E200.7	02/27/08 20:32/eli-c
Chloride	26	mg/L		1		5	E300.0	02/14/08 21:52/sn
Fluoride	0.4	mg/L		0.1		1	E300.0	02/14/08 22:07/sn
Magnesium	87.0	mg/L		0.5		1	E200.7	02/27/08 20:32/eli-c
Nitrogen, Ammonia as N	0.8	mg/L		0.1		1	A4500-NH3 G	02/19/08 12:26/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	02/14/08 22:07/sn
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	02/14/08 22:07/sn
Potassium	7.8	mg/L		0.5		1	E200.7	02/27/08 20:32/eli-c
Silica	10.2	mg/L		0.5		1	E200.7	02/27/08 20:32/eli-c
Sodium	716	mg/L	D	8		10	E200.7	02/27/08 17:54/eli-c
Sulfate	2440	mg/L	D	7		100	E300.0	02/14/08 21:36/sn
PHYSICAL PROPERTIES								
Conductivity @ 25 C	4400	umhos/cm		5.0		1	A2510 B	02/16/08 15:39/jmh
Oxidation-Reduction Potential	120	mV				1	A2580 B	02/13/08 00:00/sn
pH	7.94	s.u.		0.01		1	A4500-H B	02/16/08 15:04/jmh
Sodium Adsorption Ratio (SAR)	10	Unitless		0.10		1	Calculation	02/27/08 20:32/krs
Solids, Total Dissolved TDS @ 180 C	3700	mg/L		5		1	A2540 C	02/19/08 14:24/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	02/22/08 19:59/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	02/22/08 19:59/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/22/08 19:59/eli-c
Boron	0.7	mg/L		0.1		1	E200.7	02/27/08 20:32/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/22/08 19:59/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/22/08 19:59/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/22/08 19:59/eli-c
Iron	ND	mg/L		0.03		1	E200.7	02/27/08 20:32/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/22/08 19:59/eli-c
Manganese	0.07	mg/L		0.01		1	E200.8	02/22/08 19:59/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/22/08 19:59/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	02/22/08 19:59/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/22/08 19:59/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	02/19/08 11:57/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/22/08 19:59/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020130-002
Client Sample ID: DewBurd ~~GW2~~ GW4

Report Date: 05/08/08
Collection Date: 02/12/08 10:21 9:52
Date Received: 02/12/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	02/22/08 19:59/eli-c
Uranium	0.0004	mg/L		0.0003		1	E200.8	02/22/08 19:59/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	02/22/08 19:59/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	02/22/08 19:59/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	02/21/08 23:01/eli-c
METALS - SPECIATED								
Selenium-IV	0.001	mg/L		0.001		1	A3114 B	02/19/08 10:07/eli-c
Selenium-VI	0.001	mg/L		0.001		1	A3114 B	02/19/08 12:26/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	3.5	pCi/L		1.0		1	E900.0	02/29/08 03:49/eli-c
Gross Alpha precision (±)	3.1	pCi/L				1	E900.0	02/29/08 03:49/eli-c
Gross Beta	14.4	pCi/L		2.0		1	E900.0	02/29/08 03:49/eli-c
Gross Beta precision (±)	7.2	pCi/L				1	E900.0	02/29/08 03:49/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	02/21/08 10:45/eli-c
Polonium 210	2.7	pCi/L		1.0		1	RMO-3008	02/27/08 13:30/eli-c
Polonium 210 precision (±)	2.1	pCi/L				1	RMO-3008	02/27/08 13:30/eli-c
Radium 226	1.1	pCi/L		0.2		1	E903.0	03/03/08 21:17/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	03/03/08 21:17/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	02/22/08 14:15/eli-c
Gross Gamma	ND	pCi/L		20		1	E901.1	02/19/08 08:48/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	02/20/08 10:45/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	02/21/08 15:15/eli-c
Radium 226	0.7	pCi/L		0.2		1	E903.0	02/25/08 13:00/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	02/25/08 13:00/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	02/21/08 16:15/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	908	pCi/L	H	100		1	D5072-92	02/19/08 02:27/eli-c
Radon 222 precision (±)	123	pCi/L	H			1	D5072-92	02/19/08 02:27/eli-c
- Hold time for Radon is set to 1 half life as a guideline. Since this data is well above RL/MDC, this batch is approved.								
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	02/21/08 05:00/eli-c

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020130-002
Client Sample ID: DewBurd ~~GW2~~ GW4

Report Date: 05/08/08
Collection Date: 02/12/08 ~~10:21~~ 9:52
Date Received: 02/12/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Arsenic	ND	mg/L		0.001		1	E200.8	02/21/08 05:00/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/21/08 05:00/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	02/21/08 05:00/eli-c
Boron	0.6	mg/L		0.1		1	E200.7	02/27/08 20:45/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/21/08 05:00/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/21/08 05:00/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/21/08 05:00/eli-c
Iron	1.32	mg/L		0.03		1	E200.7	02/27/08 20:45/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/21/08 05:00/eli-c
Manganese	0.06	mg/L		0.01		1	E200.8	02/21/08 05:00/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	03/24/08 11:52/eli-b
Molybdenum	0.02	mg/L		0.01		1	E200.8	02/21/08 05:00/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/21/08 05:00/eli-c
Selenium	0.002	mg/L		0.001		1	E200.8	02/21/08 05:00/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/21/08 05:00/eli-c
Strontium	5.7	mg/L		0.1		1	E200.8	02/21/08 05:00/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	02/21/08 05:00/eli-c
Uranium	ND	mg/L	D	0.0005		1	E200.8	02/21/08 05:00/eli-c
Zinc	ND	mg/L		0.01		1	E200.7	02/27/08 20:45/eli-c
DATA QUALITY								
A/C Balance (± 5)	-2.60	%				1	A1030 E	05/07/08 09:18/krs
Anions	53.3	meq/L				1	A1030 E	05/07/08 09:18/krs
Cations	50.6	meq/L				1	A1030 E	05/07/08 09:18/krs
Solids, Total Dissolved Calculated	3600	mg/L				1	A1030 E	05/07/08 09:18/krs
TDS Balance (0.80 - 1.20)	1.02	dec. %				1	A1030 E	05/07/08 09:18/krs

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

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[redacted]

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020130-003
Client Sample ID: DewBurd GW18

Report Date: 05/08/08
Collection Date: 02/12/08 11:08
Date Received: 02/12/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	180	mg/L		5		1	A2320 B	02/21/08 16:43/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	02/21/08 16:43/sn
Bicarbonate as HCO3	219	mg/L		5		1	A2320 B	02/21/08 16:43/sn
Calcium	34.0	mg/L		0.5		1	E200.7	02/27/08 20:35/eli-c
Chloride	14	mg/L		1		1	E300.0	02/14/08 22:53/sn
Fluoride	0.5	mg/L		0.1		1	E300.0	02/14/08 22:53/sn
Magnesium	12.2	mg/L		0.5		1	E200.7	02/27/08 20:35/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	02/19/08 12:29/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	02/14/08 22:53/sn
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	02/14/08 22:53/sn
Potassium	7.3	mg/L		0.5		1	E200.7	02/27/08 20:35/eli-c
Silica	7.8	mg/L		0.5		1	E200.7	02/27/08 20:35/eli-c
Sodium	270	mg/L	D	0.8		1	E200.7	02/27/08 20:35/eli-c
Sulfate	537	mg/L		1		5	E300.0	02/14/08 22:38/sn
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1450	umhos/cm		5.0		1	A2510 B	02/16/08 15:40/jmh
Oxidation-Reduction Potential	130	mV				1	A2580 B	02/13/08 00:00/sn
pH	8.11	s.u.		0.01		1	A4500-H B	02/16/08 15:05/jmh
Sodium Adsorption Ratio (SAR)	10	Unitless		0.10		1	Calculation	02/27/08 20:35/krs
Solids, Total Dissolved TDS @ 180 C	960	mg/L		5		1	A2540 C	02/19/08 14:26/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.7	02/27/08 20:35/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	02/22/08 20:33/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/22/08 20:33/eli-c
Boron	ND	mg/L		0.1		1	E200.7	02/27/08 20:35/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/22/08 20:33/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/22/08 20:33/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/22/08 20:33/eli-c
Iron	ND	mg/L		0.03		1	E200.7	02/27/08 20:35/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/22/08 20:33/eli-c
Manganese	0.07	mg/L		0.01		1	E200.8	02/22/08 20:33/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/22/08 20:33/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	02/22/08 20:33/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/22/08 20:33/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	02/19/08 11:59/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/22/08 20:33/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020130-003
Client Sample ID: DewBurd GW18

Report Date: 05/08/08
Collection Date: 02/12/08 11:08
Date Received: 02/12/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	02/22/08 20:33/eli-c
Uranium	0.0066	mg/L		0.0003		1	E200.8	02/22/08 20:33/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	02/22/08 20:33/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	02/22/08 20:33/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	02/21/08 23:08/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	02/19/08 10:09/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	02/19/08 12:26/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	31.7	pCi/L		1.0		1	E900.0	02/29/08 03:49/eli-c
Gross Alpha precision (±)	1.4	pCi/L				1	E900.0	02/29/08 03:49/eli-c
Gross Beta	13.0	pCi/L		2.0		1	E900.0	02/29/08 03:49/eli-c
Gross Beta precision (±)	2.2	pCi/L				1	E900.0	02/29/08 03:49/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	02/21/08 10:45/eli-c
Polonium 210	2.2	pCi/L		1.0		1	RMO-3008	02/27/08 13:30/eli-c
Polonium 210 precision (±)	1.8	pCi/L				1	RMO-3008	02/27/08 13:30/eli-c
Radium 226	3.2	pCi/L		0.2		1	E903.0	03/03/08 22:47/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	03/03/08 22:47/eli-c
Thorium 230	0.2	pCi/L		0.2		1	E907.0	02/22/08 14:15/eli-c
Thorium 230 precision (±)	0.03	pCi/L				1	E907.0	02/22/08 14:15/eli-c
Gross Gamma	190	pCi/L		20		1	E901.1	02/19/08 08:48/eli-c
Gross Gamma precision (±)	25	pCi/L				1	E901.1	02/19/08 08:48/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	02/20/08 10:45/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	02/21/08 15:15/eli-c
Radium 226	1.1	pCi/L		0.2		1	E903.0	02/25/08 13:00/eli-c
Radium 226 precision (±)	0.6	pCi/L				1	E903.0	02/25/08 13:00/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	02/21/08 16:15/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	1220	pCi/L	H	100		1	D5072-92	02/19/08 02:27/eli-c
Radon 222 precision (±)	126	pCi/L	H			1	D5072-92	02/19/08 02:27/eli-c

- Hold time for Radon is set to 1 half life as a guideline. Since this data is well above RL/MDC, this batch is approved.

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020130-003
Client Sample ID: DewBurd GW18

Report Date: 05/08/08
Collection Date: 02/12/08 11:08
Date Received: 02/12/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	02/21/08 05:08/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	02/21/08 05:08/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/21/08 05:08/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	02/21/08 05:08/eli-c
Boron	ND	mg/L		0.1		1	E200.7	02/27/08 21:08/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/21/08 05:08/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/21/08 05:08/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/21/08 05:08/eli-c
Iron	1.04	mg/L		0.03		1	E200.7	02/27/08 21:08/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/21/08 05:08/eli-c
Manganese	0.06	mg/L		0.01		1	E200.8	02/21/08 05:08/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	03/24/08 11:55/eli-b
Molybdenum	ND	mg/L		0.01		1	E200.8	02/21/08 05:08/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/21/08 05:08/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	02/21/08 05:08/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/21/08 05:08/eli-c
Strontium	0.6	mg/L		0.1		1	E200.8	02/21/08 05:08/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	02/21/08 05:08/eli-c
Uranium	0.0062	mg/L	D	0.0005		1	E200.8	02/21/08 05:08/eli-c
Zinc	ND	mg/L		0.01		1	E200.7	02/27/08 21:08/eli-c
DATA QUALITY								
A/C Balance (± 5)	-1.77	%				1	A1030 E	05/07/08 09:33/krs
Anions	15.2	meq/L				1	A1030 E	05/07/08 09:33/krs
Cations	14.7	meq/L				1	A1030 E	05/07/08 09:33/krs
Solids, Total Dissolved Calculated	1000	mg/L				1	A1030 E	05/07/08 09:33/krs
TDS Balance (0.80 - 1.20)	0.960	dec. %				1	A1030 E	05/07/08 09:33/krs

Report Definitions:
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D - RL increased due to sample matrix interference.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020130-004
Client Sample ID: DewBurd GW4002

Report Date: 05/08/08
Collection Date: 02/12/08 11:47
Date Received: 02/12/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	138	mg/L		5		1	A2320 B	02/21/08 16:45/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	02/21/08 16:45/sn
Bicarbonate as HCO3	168	mg/L		5		1	A2320 B	02/21/08 16:45/sn
Calcium	42.4	mg/L		0.5		1	E200.7	02/27/08 20:38/eli-c
Chloride	7	mg/L		1		1	E300.0	02/14/08 23:40/sn
Fluoride	0.4	mg/L		0.1		1	E300.0	02/14/08 23:40/sn
Magnesium	14.2	mg/L		0.5		1	E200.7	02/27/08 20:38/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	02/19/08 12:30/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	02/14/08 23:40/sn
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	02/14/08 23:40/sn
Potassium	7.4	mg/L		0.5		1	E200.7	02/27/08 20:38/eli-c
Silica	7.3	mg/L		0.5		1	E200.7	02/27/08 20:38/eli-c
Sodium	198	mg/L	D	0.8		1	E200.7	02/27/08 20:38/eli-c
Sulfate	470	mg/L		1		5	E300.0	02/14/08 23:24/sn
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1230	umhos/cm		5.0		1	A2510 B	02/16/08 15:41/jmh
Oxidation-Reduction Potential	190	mV				1	A2580 B	02/13/08 00:00/sn
pH	7.83	s.u.		0.01		1	A4500-H B	02/16/08 15:05/jmh
Sodium Adsorption Ratio (SAR)	6.7	Unitless		0.10		1	Calculation	02/27/08 20:38/krs
Solids, Total Dissolved TDS @ 180 C	830	mg/L		5		1	A2540 C	02/19/08 14:27/jmh
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.7	02/27/08 20:38/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	02/22/08 20:40/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/22/08 20:40/eli-c
Boron	ND	mg/L		0.1		1	E200.7	02/27/08 20:38/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/22/08 20:40/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/22/08 20:40/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/22/08 20:40/eli-c
Iron	ND	mg/L		0.03		1	E200.7	02/27/08 20:38/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/22/08 20:40/eli-c
Manganese	0.08	mg/L		0.01		1	E200.8	02/22/08 20:40/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/22/08 20:40/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	02/22/08 20:40/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/22/08 20:40/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	02/19/08 12:01/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/22/08 20:40/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020130-004
Client Sample ID: DewBurd GW4002

Report Date: 05/08/08
Collection Date: 02/12/08 11:47
Date Received: 02/12/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	02/22/08 20:40/eli-c
Uranium	0.0026	mg/L		0.0003		1	E200.8	02/22/08 20:40/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	02/22/08 20:40/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	02/22/08 20:40/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	02/21/08 23:16/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	02/19/08 10:12/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	02/19/08 12:26/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	314	pCi/L		1.0		1	E900.0	02/29/08 03:49/eli-c
Gross Alpha precision (±)	4.0	pCi/L				1	E900.0	02/29/08 03:49/eli-c
Gross Beta	101	pCi/L		2.0		1	E900.0	02/29/08 03:49/eli-c
Gross Beta precision (±)	3.4	pCi/L				1	E900.0	02/29/08 03:49/eli-c
Lead 210	ND	pCi/L		1.0		1	E909.0M	02/21/08 10:45/eli-c
Polonium 210	2.1	pCi/L		1.0		1	RMO-3008	02/27/08 13:30/eli-c
Polonium 210 precision (±)	2.2	pCi/L				1	RMO-3008	02/27/08 13:30/eli-c
Radium 226	57.0	pCi/L		0.4		1	E903.0	03/03/08 23:35/eli-c
Radium 226 precision (±)	2.1	pCi/L				1	E903.0	03/03/08 23:35/eli-c
Thorium 230	0.2	pCi/L		0.2		1	E907.0	02/22/08 14:15/eli-c
Thorium 230 precision (±)	0.03	pCi/L				1	E907.0	02/22/08 14:15/eli-c
Gross Gamma	650	pCi/L		20		1	E901.1	02/19/08 08:48/eli-c
Gross Gamma precision (±)	82	pCi/L				1	E901.1	02/19/08 08:48/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	02/20/08 10:45/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	02/21/08 15:15/eli-c
Radium 226	37.0	pCi/L		0.2		1	E903.0	02/25/08 13:00/eli-c
Radium 226 precision (±)	3.7	pCi/L				1	E903.0	02/25/08 13:00/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	02/21/08 16:15/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	9890	pCi/L	H	100		1	D5072-92	02/19/08 02:27/eli-c
Radon 222 precision (±)	208	pCi/L	H			1	D5072-92	02/19/08 02:27/eli-c

- Hold time for Radon is set to 1 half life as a guideline. Since this data is well above RL/MDC, this batch is approved.

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020130-004
Client Sample ID: DewBurd GW4002

Report Date: 05/08/08
Collection Date: 02/12/08 11:47
Date Received: 02/12/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	02/21/08 05:38/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	02/21/08 05:38/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/21/08 05:38/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	02/21/08 21:09/eli-c
Boron	ND	mg/L		0.1		1	E200.7	02/27/08 21:11/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/21/08 05:38/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/21/08 05:38/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/21/08 05:38/eli-c
Iron	2.23	mg/L		0.03		1	E200.7	02/27/08 21:11/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/21/08 05:38/eli-c
Manganese	0.08	mg/L		0.01		1	E200.8	02/21/08 05:38/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	03/24/08 11:57/eli-b
Molybdenum	ND	mg/L		0.01		1	E200.8	02/21/08 05:38/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/21/08 05:38/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	02/21/08 05:38/eli-c
Silver	ND	mg/L		0.005		1	E200.8	02/21/08 05:38/eli-c
Strontium	0.8	mg/L		0.1		1	E200.8	02/21/08 05:38/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	02/21/08 05:38/eli-c
Uranium	0.0025	mg/L	D	0.0005		1	E200.8	02/21/08 05:38/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	02/21/08 21:09/eli-c
DATA QUALITY								
A/C Balance (± 5)	-2.61	%				1	A1030 E	05/07/08 09:06/krs
Anions	12.8	meq/L				1	A1030 E	05/07/08 09:06/krs
Cations	12.1	meq/L				1	A1030 E	05/07/08 09:06/krs
Solids, Total Dissolved Calculated	842	mg/L				1	A1030 E	05/07/08 09:06/krs
TDS Balance (0.80 - 1.20)	0.980	dec. %				1	A1030 E	05/07/08 09:06/krs

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020130

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B									Batch: 080221A-ALK-SEL-W
Sample ID: MBLK1_080221A	Method Blank				Run: PH_COND1-R_080221A				02/21/08 16:26
Alkalinity, Total as CaCO3	ND	mg/L	3						
Sample ID: LCS1_080221A	Laboratory Control Sample				Run: PH_COND1-R_080221A				02/21/08 16:28
Alkalinity, Total as CaCO3	1010	mg/L	5.0	101	90	110			
Sample ID: R08020143-002BMS	Sample Matrix Spike				Run: PH_COND1-R_080221A				02/21/08 16:57
Alkalinity, Total as CaCO3	380	mg/L	5.0	96	80	120			
Sample ID: R08020143-002BMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_080221A				02/21/08 17:00
Alkalinity, Total as CaCO3	380	mg/L	5.0	96	80	120	0.0	20	
Method: A2510 B									Batch: 080216_1_COND-PROBE-W
Sample ID: LCS1-1_080216	Laboratory Control Sample				Run: PH_COND2-R_080216A				02/16/08 15:21
Conductivity @ 25 C	154	umhos/cm	5.0	103	90	110			
Sample ID: LCS2-1_080216	Laboratory Control Sample				Run: PH_COND2-R_080216A				02/16/08 15:21
Conductivity @ 25 C	5060	umhos/cm	5.0	101	90	110			
Sample ID: LCS_COND-1_080216	Laboratory Control Sample				Run: PH_COND2-R_080216A				02/16/08 15:22
Conductivity @ 25 C	1400	umhos/cm	5.0	99	90	110			
Sample ID: MBLK-1_080216	Method Blank				Run: PH_COND2-R_080216A				02/16/08 15:22
Conductivity @ 25 C	ND	umhos/cm	5						
Method: A2540 C									Batch: 080219A-SLDS-TDS-W
Sample ID: MBLK1_080219A	Method Blank				Run: BAL-4-R_080219A				02/19/08 14:17
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: LCS1_080219A	Laboratory Control Sample				Run: BAL-4-R_080219A				02/19/08 14:18
Solids, Total Dissolved TDS @ 180 C	200	mg/L	5.0	99	90	110			
Sample ID: R08020130-001AMS	Sample Matrix Spike				Run: BAL-4-R_080219A				02/19/08 14:21
Solids, Total Dissolved TDS @ 180 C	1300	mg/L	5.0	95	80	120			
Sample ID: R08020130-001AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080219A				02/19/08 14:23
Solids, Total Dissolved TDS @ 180 C	1300	mg/L	5.0	89	80	120	0.9	10	
Method: A2580 B									Batch: R33556
Sample ID: LCS_021308	Laboratory Control Sample				Run: PH_COND1-R_080213A				02/13/08 00:00
Oxidation-Reduction Potential	480	mV		102	95	105			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020130

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B									Batch: C_R97081
Sample ID: C08020402-001EMS	Sample Matrix Spike				Run: SUB-C97081				02/19/08 12:26
Selenium-VI	0.048	mg/L	0.0010	95	85	115			
Sample ID: C08020402-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C97081				02/19/08 12:26
Selenium-VI	0.050	mg/L	0.0010	99	85	115	3.9	10	
Method: A3114 B									Batch: C_SE3114-080219
Sample ID: MBLK	Method Blank				Run: SUB-C97079				02/19/08 11:44
Selenium	ND	mg/L	6E-05						
Sample ID: 288-30-5	Laboratory Control Sample				Run: SUB-C97079				02/19/08 11:47
Selenium	0.050	mg/L	0.0010	100	90	110			
Sample ID: C08020402-001EMS	Sample Matrix Spike				Run: SUB-C97079				02/19/08 12:10
Selenium	0.048	mg/L	0.0010	96	85	115			
Sample ID: C08020402-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C97079				02/19/08 12:12
Selenium	0.050	mg/L	0.0010	99	85	115	3.9	10	
Method: A3114 B									Batch: C_SEIV3114-080219
Sample ID: MBLK	Method Blank				Run: SUB-C97072				02/19/08 09:27
Selenium-IV	0.003	mg/L	6E-05						
Sample ID: 288-30-5	Laboratory Control Sample				Run: SUB-C97072				02/19/08 09:43
Selenium-IV	0.051	mg/L	0.0010	102	90	110			
Sample ID: C08020402-001EMS	Sample Matrix Spike				Run: SUB-C97072				02/19/08 10:20
Selenium-IV	0.089	mg/L	0.0010	177	85	115			S
- Matrix spike recoveries outside the acceptance range are considered matrix-related.									
Sample ID: C08020402-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C97072				02/19/08 10:22
Selenium-IV	0.085	mg/L	0.0010	169	85	115	5.0	10	S
- Matrix spike recoveries outside the acceptance range are considered matrix-related.									
Method: A4500-H B									Batch: 080216_1_PH-W
Sample ID: LCS_pH-1_080216	Laboratory Control Sample				Run: PH_COND2-R_080216A				02/16/08 14:56
pH	6.93	s.u.	0.010	101	98.55	101.45			

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020130

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G								Batch: A2008-02-19_2_NH3_01	
Sample ID: MBLK-2	Method Blank				Run: TECHAA2-R_080219A			02/19/08 11:22	
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_080219A			02/19/08 11:24	
Nitrogen, Ammonia as N	0.23	mg/L	0.10	92	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_080219A			02/19/08 11:25	
Nitrogen, Ammonia as N	0.24	mg/L	0.10	94	90	110			
Sample ID: R08020157-001BMS	Sample Matrix Spike				Run: TECHAA2-R_080219A			02/19/08 12:45	
Nitrogen, Ammonia as N	0.34	mg/L	0.10	88	80	120			
Sample ID: R08020157-001BMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080219A			02/19/08 12:47	
Nitrogen, Ammonia as N	0.31	mg/L	0.10	73	80	120	11	10	SR
Method: D5072-92								Batch: C_R97139	
Sample ID: R08020130-004G	Sample Duplicate				Run: SUB-C97139			02/19/08 02:27	
Radon 222	9730	pCi/L	100				1.6	30	
Sample ID: MB-R97139	Method Blank				Run: SUB-C97139			02/19/08 02:27	
Radon 222	ND	pCi/L	100						
Sample ID: LCS-R97139	Laboratory Control Sample				Run: SUB-C97139			02/19/08 02:27	
Radon 222	302	pCi/L	100	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.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020130

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_17796
Sample ID: MB-17796	Method Blank				Run: SUB-C97399				02/26/08 12:13
Boron	ND	mg/L	0.01						
Iron	ND	mg/L	0.009						
Zinc	0.002	mg/L	0.001						
Sample ID: LCS-17796	Laboratory Control Sample				Run: SUB-C97440				02/27/08 15:39
Boron	0.550	mg/L	0.10	110	85	115			
Iron	0.554	mg/L	0.030	111	85	115			
Zinc	0.561	mg/L	0.010	112	85	115			
Sample ID: C08020547-001BMS	Sample Matrix Spike				Run: SUB-C97440				02/27/08 18:27
Boron	9.95	mg/L	0.13	98	70	130			
Iron	9.57	mg/L	0.087	94	70	130			
Zinc	9.71	mg/L	0.014	97	70	130			
Sample ID: C08020547-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-C97440				02/27/08 18:30
Boron	10.3	mg/L	0.13	101	70	130	3.6	20	
Iron	9.80	mg/L	0.087	97	70	130	2.4	20	
Zinc	9.90	mg/L	0.014	99	70	130	1.9	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020130

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R97440
Sample ID: LFB-TM	Laboratory Fortified Blank				Run: SUB-C97440				02/27/08 13:40
Silica	2.0	mg/L	0.10	100	85	125			
Aluminum	2.0	mg/L	0.10	98	85	125			
Boron	1.9	mg/L	0.10	96	85	125			
Iron	2.0	mg/L	0.030	99	85	125			
Sample ID: LFB-MAJORS	Laboratory Fortified Blank				Run: SUB-C97440				02/27/08 13:43
Calcium	24	mg/L	0.50	96	85	125			
Magnesium	24	mg/L	0.50	96	85	125			
Potassium	25	mg/L	0.50	99	85	125			
Sodium	24	mg/L	0.76	96	85	125			
Sample ID: LRB	Laboratory Reagent Blank				Run: SUB-C97440				02/27/08 13:50
Silica	ND	mg/L	0.10						
Aluminum	ND	mg/L	0.10						
Boron	0.015	mg/L	0.10						
Calcium	ND	mg/L	0.50						
Iron	ND	mg/L	0.030						
Magnesium	ND	mg/L	0.50						
Potassium	0.045	mg/L	0.50						
Sodium	ND	mg/L	0.76						
Sample ID: C08020547-001AMS	Sample Matrix Spike				Run: SUB-C97440				02/27/08 17:35
Aluminum	9.63	mg/L	0.10	96	70	130			
Boron	10.2	mg/L	0.10	100	70	130			
Iron	9.71	mg/L	0.046	97	70	130			
Calcium	914	mg/L	1.0	84	70	130			
Magnesium	558	mg/L	0.50	89	70	130			
Potassium	1140	mg/L	0.50	94	70	130			
Silica	23.1	mg/L	0.20	93	70	130			
Sodium	638	mg/L	7.6	89	70	130			
Sample ID: C08020547-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C97440				02/27/08 17:38
Aluminum	9.66	mg/L	0.10	97	70	130	0.3	20	
Boron	10.3	mg/L	0.10	101	70	130	1.3	20	
Iron	9.72	mg/L	0.046	97	70	130	0.1	20	
Calcium	902	mg/L	1.0	81	70	130	1.3	20	
Magnesium	552	mg/L	0.50	88	70	130	1.1	20	
Potassium	1130	mg/L	0.50	94	70	130	0.4	20	
Silica	22.9	mg/L	0.20	92	70	130	0.6	20	
Sodium	627	mg/L	7.6	87	70	130	1.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020130

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_17792
Sample ID: MB-17792	Method Blank				Run: SUB-C97226				02/21/08 21:54
Uranium	ND	mg/L	1E-06						
Sample ID: LCS1-17792	Laboratory Control Sample				Run: SUB-C97226				02/21/08 22:01
Uranium	0.0534	mg/L	0.00030	101	80	120			
Sample ID: R08020083-003K	Post Digestion Spike				Run: SUB-C97226				02/21/08 23:45
Uranium	0.0251	mg/L	0.00030	100	70	130			
Sample ID: R08020083-003K	Post Digestion Spike Duplicate				Run: SUB-C97226				02/21/08 23:53
Uranium	0.0248	mg/L	0.00030	99	70	130	1.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020130

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_17796
Sample ID: R08020083-003B	Post Digestion Spike				Run: SUB-C97150				02/21/08 06:08
Antimony	0.251	mg/L	0.050	100	70	130			
Arsenic	0.250	mg/L	0.0010	100	70	130			
Barium	0.252	mg/L	0.10	95	70	130			
Beryllium	0.202	mg/L	0.010	81	70	130			
Cadmium	0.248	mg/L	0.010	99	70	130			
Chromium	0.252	mg/L	0.050	101	70	130			
Copper	0.255	mg/L	0.010	100	70	130			
Lead	0.252	mg/L	0.050	101	70	130			
Manganese	0.302	mg/L	0.010	106	70	130			
Molybdenum	0.282	mg/L	0.10	112	70	130			
Nickel	0.264	mg/L	0.050	101	70	130			
Selenium	0.238	mg/L	0.0011	93	70	130			
Silver	0.0830	mg/L	0.010	83	70	130			
Strontium	8.15	mg/L	0.10		70	130			A
Thallium	0.254	mg/L	0.10	102	70	130			
Uranium	0.402	mg/L	0.00030	94	70	130			
Sample ID: R08020083-003B	Post Digestion Spike Duplicate				Run: SUB-C97150				02/21/08 06:16
Antimony	0.262	mg/L	0.050	105	70	130	4.3	20	
Arsenic	0.253	mg/L	0.0010	101	70	130	1.2	20	
Barium	0.253	mg/L	0.10	95	70	130	0.4	20	
Beryllium	0.201	mg/L	0.010	81	70	130	0.1	20	
Cadmium	0.251	mg/L	0.010	100	70	130	1.1	20	
Chromium	0.252	mg/L	0.050	101	70	130	0.1	20	
Copper	0.251	mg/L	0.010	99	70	130	1.4	20	
Lead	0.253	mg/L	0.050	101	70	130	0.5	20	
Manganese	0.295	mg/L	0.010	103	70	130	2.4	20	
Molybdenum	0.278	mg/L	0.10	110	70	130	1.6	20	
Nickel	0.269	mg/L	0.050	103	70	130	1.7	20	
Selenium	0.240	mg/L	0.0011	94	70	130	0.6	20	
Silver	0.107	mg/L	0.010	107	70	130	26	20	R
Strontium	7.93	mg/L	0.10		70	130	2.7	20	A
Thallium	0.254	mg/L	0.10	102	70	130	0.0	20	
Uranium	0.406	mg/L	0.00030	95	70	130	1.0	20	
Sample ID: MB-17796	Method Blank				Run: SUB-C97150				02/21/08 02:45
Antimony	ND	mg/L	0.0003						
Arsenic	ND	mg/L	0.0001						
Barium	ND	mg/L	8E-05						
Beryllium	ND	mg/L	7E-05						
Cadmium	ND	mg/L	0.0004						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

R - RPD exceeds advisory limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020130

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_17796
Sample ID: MB-17796	Method Blank				Run: SUB-C97150				02/21/08 02:45
Chromium	ND	mg/L	0.0002						
Copper	ND	mg/L	0.0001						
Lead	ND	mg/L	0.0001						
Manganese	0.0001	mg/L	5E-05						
Molybdenum	0.001	mg/L	0.0002						
Nickel	ND	mg/L	6E-05						
Selenium	ND	mg/L	0.0002						
Silver	ND	mg/L	0.0001						
Strontium	ND	mg/L	7E-05						
Thallium	ND	mg/L	5E-05						
Uranium	0.0004	mg/L	4E-05						
Sample ID: LCS1-17796	Laboratory Control Sample				Run: SUB-C97150				02/21/08 02:52
Antimony	0.0187	mg/L	0.050	93	80	120			
Arsenic	0.0201	mg/L	0.0010	100	80	120			
Barium	0.0194	mg/L	0.10	97	80	120			
Beryllium	0.0182	mg/L	0.010	91	80	120			
Cadmium	0.0196	mg/L	0.010	98	80	120			
Chromium	0.0193	mg/L	0.050	97	80	120			
Copper	0.0199	mg/L	0.010	100	80	120			
Lead	0.0196	mg/L	0.050	98	80	120			
Manganese	0.0195	mg/L	0.010	97	80	120			
Molybdenum	0.0202	mg/L	0.10	95	80	120			
Nickel	0.0203	mg/L	0.050	102	80	120			
Selenium	0.0953	mg/L	0.0010	95	80	120			
Silver	0.0214	mg/L	0.010	107	80	120			
Strontium	0.00994	mg/L	0.10	99	80	120			
Thallium	0.0191	mg/L	0.10	96	80	120			
Uranium	0.0186	mg/L	0.00030	91	80	120			
Sample ID: LCS-17796	Laboratory Control Sample				Run: SUB-C97150				02/21/08 03:00
Antimony	0.0484	mg/L	0.050	97	85	115			
Arsenic	0.0492	mg/L	0.0010	98	85	115			
Barium	0.0487	mg/L	0.10	97	85	115			
Beryllium	0.0492	mg/L	0.010	98	85	115			
Cadmium	0.0492	mg/L	0.010	98	85	115			
Chromium	0.0490	mg/L	0.050	98	85	115			
Copper	0.0488	mg/L	0.010	98	85	115			
Lead	0.0492	mg/L	0.050	98	85	115			
Manganese	0.0480	mg/L	0.010	96	85	115			
Molybdenum	0.0509	mg/L	0.10	99	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020130

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_17796
Sample ID: LCS-17796	Laboratory Control Sample				Run: SUB-C97150				02/21/08 03:00
Nickel	0.0501	mg/L	0.050	100	85	115			
Selenium	0.0485	mg/L	0.0010	97	85	115			
Silver	0.0218	mg/L	0.010	109	85	115			
Strontium	0.0475	mg/L	0.10	95	85	115			
Thallium	0.0495	mg/L	0.10	99	85	115			
Uranium	0.0479	mg/L	0.00030	95	85	115			
Sample ID: MB-17796	Method Blank				Run: SUB-C97226				02/21/08 20:25
Antimony	ND	mg/L	0.0003						
Arsenic	ND	mg/L	0.0001						
Barium	ND	mg/L	8E-05						
Beryllium	ND	mg/L	7E-05						
Cadmium	ND	mg/L	0.0002						
Chromium	ND	mg/L	0.0003						
Copper	ND	mg/L	8E-05						
Lead	ND	mg/L	0.0001						
Manganese	0.0001	mg/L	5E-05						
Molybdenum	ND	mg/L	0.0002						
Nickel	8E-05	mg/L	6E-05						
Selenium	ND	mg/L	0.0002						
Strontium	9E-05	mg/L	7E-05						
Thallium	ND	mg/L	5E-05						
Uranium	ND	mg/L	4E-05						
Zinc	0.1	mg/L	0.002						
Sample ID: LCS-17796	Laboratory Control Sample				Run: SUB-C97226				02/21/08 20:39
Antimony	0.0502	mg/L	0.050	100	85	115			
Arsenic	0.0518	mg/L	0.0010	104	85	115			
Barium	0.0520	mg/L	0.10	104	85	115			
Beryllium	0.0522	mg/L	0.010	104	85	115			
Cadmium	0.0526	mg/L	0.010	105	85	115			
Chromium	0.0509	mg/L	0.050	102	85	115			
Copper	0.0494	mg/L	0.010	99	85	115			
Lead	0.0522	mg/L	0.050	104	85	115			
Manganese	0.0505	mg/L	0.010	101	85	115			
Molybdenum	0.0534	mg/L	0.10	107	85	115			
Nickel	0.0496	mg/L	0.050	99	85	115			
Selenium	0.0509	mg/L	0.0010	102	85	115			
Strontium	0.0518	mg/L	0.10	104	85	115			
Thallium	0.0523	mg/L	0.10	105	85	115			
Uranium	0.0506	mg/L	0.00030	101	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020130

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_17796
Sample ID: LCS-17796	Laboratory Control Sample				Run: SUB-C97226				02/21/08 20:39
Zinc	0.0530	mg/L	0.010	102	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020130

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R97313
Sample ID: LRB	Method Blank				Run: SUB-C97313				02/22/08 14:40
Aluminum	ND	mg/L	0.0001						
Arsenic	ND	mg/L	6E-05						
Barium	0.0002	mg/L	3E-05						
Cadmium	2E-05	mg/L	1E-05						
Chromium	7E-05	mg/L	4E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Manganese	ND	mg/L	5E-05						
Mercury	ND	mg/L	8E-05						
Molybdenum	ND	mg/L	5E-05						
Nickel	ND	mg/L	0.0007						
Silver	0.0005	mg/L	3E-05						
Thorium 232	ND	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Vanadium	ND	mg/L	3E-05						
Zinc	0.01	mg/L	0.0003						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C97313				02/22/08 16:36
Aluminum	0.0540	mg/L	0.0010	108	85	115			
Arsenic	0.0506	mg/L	0.0010	101	85	115			
Barium	0.0509	mg/L	0.0010	101	85	115			
Cadmium	0.0511	mg/L	0.0010	102	85	115			
Chromium	0.0502	mg/L	0.0010	100	85	115			
Copper	0.0500	mg/L	0.0010	100	85	115			
Lead	0.0509	mg/L	0.0010	102	85	115			
Manganese	0.0503	mg/L	0.0010	101	85	115			
Mercury	0.00494	mg/L	0.0010	99	85	115			
Molybdenum	0.0563	mg/L	0.0010	113	85	115			
Nickel	0.0503	mg/L	0.0010	101	85	115			
Silver	0.0196	mg/L	0.0010	95	85	115			
Thorium 232	0.0505	mg/L	0.0010	101	85	115			
Uranium	0.0510	mg/L	0.00030	102	85	115			
Vanadium	0.0504	mg/L	0.0010	101	85	115			
Zinc	0.0523	mg/L	0.0010	84	85	115			S
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C97313				02/22/08 14:46
Aluminum	0.0534	mg/L	0.0010	107	85	115			
Arsenic	0.0502	mg/L	0.0010	100	85	115			
Barium	0.0498	mg/L	0.0010	99	85	115			
Cadmium	0.0516	mg/L	0.0010	103	85	115			
Chromium	0.0507	mg/L	0.0010	101	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020130

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R97313
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C97313				02/22/08 14:46
Copper	0.0500	mg/L	0.0010	100	85	115			
Lead	0.0507	mg/L	0.0010	101	85	115			
Manganese	0.0502	mg/L	0.0010	100	85	115			
Mercury	0.00502	mg/L	0.0010	100	85	115			
Molybdenum	0.0540	mg/L	0.0010	108	85	115			
Nickel	0.0502	mg/L	0.0010	100	85	115			
Silver	0.0153	mg/L	0.0010	74	85	115			S
Thorium 232	0.0503	mg/L	0.0010	101	85	115			
Uranium	0.0505	mg/L	0.00030	101	85	115			
Vanadium	0.0508	mg/L	0.0010	102	85	115			
Zinc	0.0708	mg/L	0.0010	121	85	115			S
Sample ID: C08020548-001CMS4	Post Digestion Spike				Run: SUB-C97313				02/22/08 19:46
Aluminum	0.0521	mg/L	0.10	104	70	130			
Arsenic	0.0512	mg/L	0.0010	101	70	130			
Barium	0.0608	mg/L	0.10	103	70	130			
Cadmium	0.0481	mg/L	0.010	96	70	130			
Chromium	0.0491	mg/L	0.050	94	70	130			
Copper	0.0460	mg/L	0.010	91	70	130			
Lead	0.0520	mg/L	0.050	104	70	130			
Manganese	0.136	mg/L	0.010	85	70	130			
Mercury	0.00503	mg/L	0.0010	101	70	130			
Molybdenum	0.0556	mg/L	0.10	109	70	130			
Nickel	0.0468	mg/L	0.050	94	70	130			
Silver	0.0169	mg/L	0.010	84	70	130			
Thorium 232	0.0542	mg/L	0.0010	108	70	130			
Uranium	0.0548	mg/L	0.00030	109	70	130			
Vanadium	0.0495	mg/L	0.10	98	70	130			
Zinc	0.0482	mg/L	0.010	98	70	130			
Sample ID: C08020548-001CMSD4	Post Digestion Spike Duplicate				Run: SUB-C97313				02/22/08 19:53
Aluminum	0.0499	mg/L	0.10	100	70	130	0.0	20	
Arsenic	0.0497	mg/L	0.0010	98	70	130	2.9	20	
Barium	0.0595	mg/L	0.10	100	70	130	0.0	20	
Cadmium	0.0482	mg/L	0.010	96	70	130	0.2	20	
Chromium	0.0493	mg/L	0.050	95	70	130	0.0	20	
Copper	0.0456	mg/L	0.010	91	70	130	0.9	20	
Lead	0.0510	mg/L	0.050	102	70	130	1.9	20	
Manganese	0.138	mg/L	0.010	88	70	130	1.4	20	
Mercury	0.00513	mg/L	0.0010	102	70	130	1.9	20	
Molybdenum	0.0548	mg/L	0.10	108	70	130	0.0	20	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020130

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R97313
Sample ID: C08020548-001CMSD4	Post Digestion Spike Duplicate				Run: SUB-C97313				02/22/08 19:53
Nickel	0.0469	mg/L	0.050	94	70	130	0.0	20	
Silver	0.0170	mg/L	0.010	85	70	130	0.4	20	
Thorium 232	0.0540	mg/L	0.0010	108	70	130	0.2	20	
Uranium	0.0542	mg/L	0.00030	108	70	130	1.1	20	
Vanadium	0.0501	mg/L	0.10	99	70	130	0.0	20	
Zinc	0.0452	mg/L	0.010	92	70	130	6.4	20	
Sample ID: C08020583-002AMS	Sample Matrix Spike				Run: SUB-C97313				02/23/08 03:28
Copper	0.0729	mg/L	0.010	99	70	130			
Lead	0.0510	mg/L	0.0010	102	70	130			
Sample ID: C08020583-002AMSD	Sample Matrix Spike Duplicate				Run: SUB-C97313				02/23/08 03:35
Copper	0.0713	mg/L	0.010	96	70	130	2.2	20	
Lead	0.0495	mg/L	0.0010	99	70	130	3.1	20	
Method: E245.1									Batch: C_B_31543
Sample ID: MB-31543	Method Blank				Run: SUB-C98552				03/24/08 10:46
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-31543	Laboratory Fortified Blank				Run: SUB-C98552				03/24/08 10:49
Mercury	0.0019	mg/L	0.0010	94	85	115			
Sample ID: R08020220-001D	Sample Matrix Spike				Run: SUB-C98552				03/24/08 10:53
Mercury	0.0016	mg/L	0.0010	82	70	130			
Sample ID: R08020220-001D	Sample Matrix Spike Duplicate				Run: SUB-C98552				03/24/08 10:56
Mercury	0.0018	mg/L	0.0010	89	70	130	8.8	30	
Sample ID: B08031358-013CMS	Sample Matrix Spike				Run: SUB-C98552				03/24/08 11:31
Mercury	0.0023	mg/L	0.0010	113	70	130			
Sample ID: B08031358-013CMSD	Sample Matrix Spike Duplicate				Run: SUB-C98552				03/24/08 11:33
Mercury	0.0020	mg/L	0.0010	99	70	130	13	30	
Method: E245.1									Analytical Run: SUB-C98552
Sample ID: QCS	Initial Calibration Verification Standard								03/24/08 10:39
Mercury	0.0018	mg/L	0.0010	92	90	110			

Qualifiers:

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ND - Not detected at the reporting limit.

ENERGY LABORATORIES, INC. • 2821 Plant Street • Rapid City, SD 57702 • www.energylab.com
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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020130

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R33510
Sample ID: LFB0802130124-1	Laboratory Fortified Blank				Run: DIONEX_080214A				02/14/08 15:42
Chloride	5.60	mg/L	0.50	112	90	110			S
Fluoride	2.13	mg/L	0.10	106	90	110			
Nitrogen, Nitrate as N	2.52	mg/L	0.10	101	90	110			
Nitrogen, Nitrite as N	2.34	mg/L	0.10	94	90	110			
Sulfate	14.9	mg/L	1.0	99	90	110			
Sample ID: LFB0802130124-1	Laboratory Fortified Blank				Run: DIONEX_080214A				02/14/08 15:57
Chloride	5.29	mg/L	0.50	106	90	110			
Fluoride	1.89	mg/L	0.10	95	90	110			
Nitrogen, Nitrate as N	2.42	mg/L	0.10	97	90	110			
Nitrogen, Nitrite as N	2.26	mg/L	0.10	90	90	110			
Sulfate	14.3	mg/L	1.0	95	90	110			
Sample ID: R08020138-002AMS	Sample Matrix Spike				Run: DIONEX_080214A				02/15/08 02:14
Chloride	294	mg/L	0.54		80	120			A
Fluoride	10.3	mg/L	0.10	93	80	120			
Nitrogen, Nitrate as N	34.8	mg/L	0.13	90	80	120			
Nitrogen, Nitrite as N	18.0	mg/L	0.29	144	80	120			S
Sulfate	1330	mg/L	1.0		80	120			A
Sample ID: R08020138-002AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080214A				02/15/08 09:43
Chloride	294	mg/L	0.54		80	120	0.0	10	A
Fluoride	11.1	mg/L	0.10	101	80	120	7.0	10	
Nitrogen, Nitrate as N	34.6	mg/L	0.13	89	80	120	0.6	10	
Nitrogen, Nitrite as N	18.0	mg/L	0.29	144	80	120	0.2	10	S
Sulfate	1320	mg/L	1.0		80	120	0.4	10	A

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020130

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0									Batch: C_GrAB-0398
Sample ID: MB-GrAB-0398	Method Blank				Run: SUB-C97539				02/28/08 02:15
Gross Alpha	ND	pCi/L	1						
Gross Beta	ND	pCi/L	2						
Sample ID: UNAT-GrAB-0398	Laboratory Control Sample				Run: SUB-C97539				02/28/08 02:16
Gross Alpha	230	pCi/L	1.0	94	70	130			
Sample ID: Cs137-GrAB-0398	Laboratory Control Sample				Run: SUB-C97539				02/28/08 02:16
Gross Beta	89	pCi/L	2.0	94	70	130			
Sample ID: C08020423-001AMS	Sample Matrix Spike				Run: SUB-C97539				02/28/08 02:16
Gross Alpha	340	pCi/L	1.0	117	70	130			
Sample ID: C08020423-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C97539				02/28/08 02:15
Gross Alpha	370	pCi/L	1.0	127	70	130	8.0	11.9	
Sample ID: C08020423-001AMS	Sample Matrix Spike				Run: SUB-C97539				02/28/08 02:15
Gross Beta	100	pCi/L	2.0	87	70	130			
Sample ID: C08020423-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C97539				02/28/08 02:15
Gross Beta	110	pCi/L	2.0	92	70	130	5.4	15.5	
Method: E901.1									Batch: C_R97137
Sample ID: LCS-R97137	Laboratory Control Sample				Run: SUB-C97137				02/19/08 08:48
Americium 241	720	pCi/L	20	88	70	130			
Cesium 137	1200	pCi/L	20	82	70	130			
Potassium 40	7400	pCi/L	20	111	70	130			
Sample ID: MB-R97137	Method Blank				Run: SUB-C97137				02/19/08 08:48
Gross Gamma	ND	pCi/L	20						
Sample ID: R08020083-003I	Sample Duplicate				Run: SUB-C97137				02/19/08 08:48
Gross Gamma	ND	pCi/L	20				0.0	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020130

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: C_RA226-2633
Sample ID: R08020083-003K	Sample Matrix Spike				Run: SUB-C97303				02/25/08 14:45
Radium 226	120	pCi/L	0.20	95	70	130			
Sample ID: R08020083-003K	Sample Matrix Spike Duplicate				Run: SUB-C97303				02/25/08 14:45
Radium 226	120	pCi/L	0.20	92	70	130	2.6	24.9	
Sample ID: LCS-17792	Laboratory Control Sample				Run: SUB-C97303				02/25/08 14:45
Radium 226	12	pCi/L	0.20	95	70	130			
Sample ID: MB-17792	Method Blank				Run: SUB-C97303				02/25/08 14:45
Radium 226	ND	pCi/L	0.2						
Method: E903.0									Batch: C_RA226-2639
Sample ID: C08020692-001AMS	Sample Matrix Spike				Run: SUB-C97776				03/04/08 04:52
Radium 226	9.7	pCi/L	0.20	81	70	130			
Sample ID: C08020692-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C97776				03/04/08 06:22
Radium 226	10	pCi/L	0.20	92	70	130	6.8	22.2	
Sample ID: MB-RA226-2639	Method Blank				Run: SUB-C97776				03/04/08 07:52
Radium 226	ND	pCi/L							
Sample ID: LCS-RA226-2639	Laboratory Control Sample				Run: SUB-C97776				03/04/08 09:23
Radium 226	12	pCi/L	0.40	93	70	130			
Method: E907.0									Batch: C_17792
Sample ID: LCS-17792	Laboratory Control Sample				Run: SUB-C97814				02/21/08 16:15
Thorium 230	32.7	pCi/g-dry	0.10	67	70	130			S
- LCS response is below the acceptance range for this analysis. Since the MB and the RPDs for all 3 MDs are acceptable the batch is approved.									
Sample ID: MB-17792	Method Blank				Run: SUB-C97814				02/21/08 16:15
Thorium 230	ND	pCi/g-dry							
Sample ID: C08020475-002BDUP	Sample Duplicate				Run: SUB-C97814				02/21/08 16:15
Thorium 230	9.67	pCi/g-dry	0.10		70	130	4.6	30	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020130

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: C_R98194
Sample ID: LCS-R98194	Laboratory Control Sample				Run: SUB-C98194				02/22/08 14:15
Thorium 230	7.40	pCi/L	0.20	106	70	130			
Sample ID: C08020548-004HMS	Sample Matrix Spike				Run: SUB-C98194				02/22/08 14:15
Thorium 230	44.3	pCi/L	0.20	93	70	130			
Sample ID: C08020548-004HMSD	Sample Matrix Spike Duplicate				Run: SUB-C98194				02/22/08 14:15
Thorium 230	42.4	pCi/L	0.20	89	70	130	4.4	30	
Sample ID: MB-R98194	Method Blank				Run: SUB-C98194				02/22/08 14:15
Thorium 230		pCi/L							
Method: E909.0M									Batch: C_R97461
Sample ID: C08020617-003FMS	Sample Matrix Spike				Run: SUB-C97461				02/21/08 10:45
Lead 210	170	pCi/L	1.0	89	70	130			
Sample ID: C08020617-003FMSD	Sample Matrix Spike Duplicate				Run: SUB-C97461				02/21/08 10:45
Lead 210	230	pCi/L	1.0	122	70	130	32	30	R
- The RPD for the spike is high. The individual Spike recoveries are within range, the MB is acceptable, and the LCS is within range, therefore the batch is approved.									
Sample ID: MB-R97461	Method Blank				Run: SUB-C97461				02/21/08 10:45
Lead 210	ND	pCi/L	1						
Sample ID: LCS-R97461	Laboratory Control Sample				Run: SUB-C97461				02/21/08 10:45
Lead 210	85	pCi/L	1.0	71	70	130			
Method: RMO-3008									Batch: C_R97290
Sample ID: R08020130-004I	Sample Duplicate				Run: SUB-C97290				02/21/08 15:15
Polonium 210	ND	pCi/L	1.0				0.0	30	
Sample ID: LCS-17696	Laboratory Control Sample				Run: SUB-C97290				02/21/08 15:15
Polonium 210	18	pCi/L	1.0	80	70	130			
Sample ID: MB-17696	Method Blank				Run: SUB-C97290				02/21/08 15:15
Polonium 210	ND	pCi/L	0.02						

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
R - RPD exceeds advisory limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020130

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RMO-3008									Batch: C_R97982
Sample ID: R08020220-005H	Sample Matrix Spike				Run: SUB-C97982				02/27/08 13:30
Polonium 210	160	pCi/L	1.0	70	70	130			
Sample ID: R08020220-005H	Sample Matrix Spike Duplicate				Run: SUB-C97982				02/27/08 13:30
Polonium 210	170	pCi/L	1.0	74	70	130	6.4	30	
Sample ID: LCS-R97982	Laboratory Control Sample				Run: SUB-C97982				02/27/08 13:30
Polonium 210	78	pCi/L	1.0	68	70	130			S
- LCS response is outside of the acceptance range for this analysis. Since the MS, MSD and the RPD for the MS MSD pair are acceptable the batch is approved.									
Sample ID: MB-R97982	Method Blank				Run: SUB-C97982				02/27/08 13:30
Polonium 210	2	pCi/L							

Qualifiers:

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

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:
RESPEC	Dewey - Burdock	State: SD	Yes ☐ No ☐
Report Mail Address:	**Contact Name:** Phone/Fax:	Email:	Sampler: (Please Print)
PO Box 725 Rapid City, SD 57709	Cory Foreman 394-6400		Crystal Hocking Matt Stallsberg
Invoice Address:	**Invoice Contact & Phone:**	**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) Format: _____
☐ POTW/WWTP ☐ LEVEL IV
☐ State: _____ ☐ NELAC
☐ Other: _____

ANALYSIS REQUESTED

SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	Number of Containers (Sample Type: A Air W Water S Soils/Solids V Vegetation B Bioassay O Other)	As Per Quote	SEE ATTACHED	Normal Turnaround (TAT)	RUSH		
1 GW-4 2	2/12/08	9:52	W						Bag # 19	1080220130-001
2 GW-2 4	2/12/08	10:21	W						13	002
3 GW 18	2/12/08	11:08	W						1	003
4 GW 4002	2/12/08	11:47	W						8	004
5										
6										
7										
8										
9										
10										

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

Comments:

Shipped by:

Cooler ID(s):

Receipt Temp 3.6 °C

On Ice: Yes (No)

Custody Seal Y N
Intact Y N
Signature Match Y N

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Crystal Hocking	2/12/08	Crystal Hocking 3:30			
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
			Received by Laboratory: Linda Larson	2/12/08 1588	Signature: Linda L

Sample Disposal: Return to Client: _____ Lab Disposal: _____

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.

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ANALYTICAL SUMMARY REPORT

May 08, 2008

Cory Foreman
RESPEC Inc
3824 Jet Dr
Rapid City, SD 57701-

Workorder No.: R08020220 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 5 samples from RESPEC Inc on 2/21/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08020220-001	DewBurd GW7002	02/20/08 8:30	02/21/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Mercury, Total Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved
R08020220-002	DewBurd GW7	02/20/08 8:45	02/21/08	Aqueous	Same As Above
R08020220-003	DewBurd GW631	02/20/08 13:55	02/21/08	Aqueous	Same As Above
R08020220-004	DewBurd GW13	02/20/08 14:41	02/21/08	Aqueous	Same As Above
R08020220-005	DewBurd GW628	02/20/08 18:30	02/21/08	Aqueous	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: Kinda Lawson

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Date: *08-May-08*

CLIENT: RESPEC Inc
Project: Edgemont
Sample Delivery Group: R08020220

CASE NARRATIVE

This case narrative is used to explain any exceptions to the analyses performed for your sample(s). In accordance with Good Analytical Laboratory Practices (GALP), samples requiring data qualifiers or analytical modifications are explained herein.

All samples were analyzed in accordance with prescribed methodology, except were noted. Samples are accompanied by appropriate quality assurance/quality control (QA/QC) samples throughout the analytical process.

During the course of analyzing your sample(s) the following exceptions were noted.
- Any exceptions noted are listed in the Analytical Report

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

BRANCH LABORATORY IDENTIFIERS
eli-b - Energy Laboratories, Inc. - Billings, MT, EPA # MT00005
eli-c - Energy Laboratories, Inc. - Casper, WY, EPA# WY00002
eli-f - Energy Laboratories, Inc. - Idaho Falls, ID, EPA # ID00942
eli-g - Energy Laboratories, Inc. - Gillette, WY, EPA# WY00006
eli-h - Energy Laboratories, Inc. - Helena, MT, EPA# MT00945
eli-t - Energy Laboratories, Inc. - College Station, TX, EPA# TX01520

For additional information, including certifications, and analytical services visit our web page www.energylab.com.

If you have questions regarding this information, please feel free to contact us at (888)672-1225, (605)342-1225 or rapid_city@energylab.com.
Comments imported for SUBBED Workorder: C08020812
Comments imported for SUBBED Workorder: B08030260
Prep Comments for Sample R08020220-001D, Test PRP-HG-245.1: The prep HoldTime was exceeded by 4.9 days.
Prep Comments for Sample R08020220-002D, Test PRP-HG-245.1: The prep HoldTime was exceeded by 4.9 days.
Prep Comments for Sample R08020220-005D, Test PRP-HG-245.1: The prep HoldTime was exceeded by 4.5 days.
End of comments imported for SUBBED Workorder: B08030260
End of comments imported for SUBBED Workorder: C08020812

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020220-001
Client Sample ID: DewBurd GW7002

Report Date: 05/08/08
Collection Date: 02/20/08 08:30
Date Received: 02/21/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	260	mg/L		5		1	A2320 B	02/26/08 15:59/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	02/26/08 15:59/sn
Bicarbonate as HCO3	317	mg/L		5		1	A2320 B	02/26/08 15:59/sn
Calcium	213	mg/L		0.5		1	E200.7	03/04/08 01:45/eli-c
Chloride	9	mg/L		1		1	E300.0	02/21/08 19:04/sn
Fluoride	0.5	mg/L		0.1		1	E300.0	02/21/08 19:04/sn
Magnesium	81.7	mg/L		0.5		1	E200.7	03/04/08 01:45/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	02/26/08 14:20/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	02/21/08 19:04/sn
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	02/21/08 19:04/sn
Potassium	21.0	mg/L		0.5		1	E200.7	03/04/08 01:45/eli-c
Silica	7.8	mg/L		0.5		1	E200.7	03/04/08 01:45/eli-c
Sodium	162	mg/L	D	0.8		1	E200.7	03/04/08 01:45/eli-c
Sulfate	1080	mg/L	D	3		50	E300.0	02/21/08 18:18/sn
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2420	umhos/cm		5.0		1	A2510 B	02/27/08 12:48/ch
Oxidation-Reduction Potential	170	mV				1	A2580 B	02/22/08 00:00/sn
pH	7.56	s.u.		0.01		1	A4500-H B	02/26/08 00:00/ch
Sodium Adsorption Ratio (SAR)	2.4	Unitless		0.10		1	Calculation	03/04/08 01:45/krs
Solids, Total Dissolved TDS @ 180 C	1900	mg/L		5		1	A2540 C	02/22/08 10:31/sn
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	02/29/08 07:10/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	02/29/08 07:10/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/29/08 07:10/eli-c
Boron	ND	mg/L		0.1		1	E200.7	03/04/08 01:45/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/29/08 07:10/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/29/08 07:10/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/29/08 07:10/eli-c
Iron	0.28	mg/L		0.03		1	E200.7	03/04/08 01:45/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/29/08 07:10/eli-c
Manganese	0.38	mg/L		0.01		1	E200.8	02/29/08 07:10/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/29/08 07:10/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	02/29/08 07:10/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/29/08 07:10/eli-c
Selenium	0.001	mg/L		0.001		1	A3114 B	02/25/08 10:59/eli-c
Silver	ND	mg/L		0.005		1	E200.8	03/03/08 17:53/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020220-001
Client Sample ID: DewBurd GW7002

Report Date: 05/08/08
Collection Date: 02/20/08 08:30
Date Received: 02/21/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	02/29/08 07:10/eli-c
Uranium	0.0006	mg/L		0.0003		1	E200.8	02/29/08 07:10/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	02/29/08 07:10/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	02/29/08 07:10/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	03/01/08 06:59/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	02/25/08 09:27/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	02/25/08 11:26/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	91.4	pCi/L		7.0		1	E900.0	03/07/08 03:32/eli-c
Gross Alpha precision (±)	9.6	pCi/L				1	E900.0	03/07/08 03:32/eli-c
Gross Beta	41.4	pCi/L		9.0		1	E900.0	03/07/08 03:32/eli-c
Gross Beta precision (±)	6.4	pCi/L				1	E900.0	03/07/08 03:32/eli-c
Lead 210	13	pCi/L		1.0		1	E909.0M	02/26/08 09:30/eli-c
Lead 210 precision (±)	2.4	pCi/L				1	E909.0M	02/26/08 09:30/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	02/27/08 13:30/eli-c
Radium 226	8.8	pCi/L		0.1		1	E903.0	03/06/08 15:27/eli-c
Radium 226 precision (±)	0.6	pCi/L				1	E903.0	03/06/08 15:27/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	02/29/08 14:00/eli-c
Gross Gamma	370	pCi/L		20		1	E901.1	02/22/08 16:15/eli-c
Gross Gamma precision (±)	42	pCi/L				1	E901.1	02/22/08 16:15/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	7.9	pCi/L		1.0		1	E909.0M	03/04/08 09:45/eli-c
Lead 210 precision (±)	1.4	pCi/L				1	E909.0M	03/04/08 09:45/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	03/06/08 14:45/eli-c
Radium 226	ND	pCi/L		0.9		1	E903.0	03/11/08 17:06/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	03/14/08 14:45/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	752	pCi/L		100		1	D5072-92	02/22/08 15:00/eli-c
Radon 222 precision (±)	50.6	pCi/L				1	D5072-92	02/22/08 15:00/eli-c
TOTAL METALS ANALYSES								

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020220-001
Client Sample ID: DewBurd GW7002

Report Date: 05/08/08
Collection Date: 02/20/08 08:30
Date Received: 02/21/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	02/27/08 03:17/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	02/27/08 03:17/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/27/08 03:17/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	02/27/08 03:17/eli-c
Boron	ND	mg/L		0.1		1	E200.7	02/29/08 21:00/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/27/08 03:17/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/27/08 03:17/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/27/08 03:17/eli-c
Iron	1.25	mg/L		0.03		1	E200.7	02/29/08 21:00/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/27/08 03:17/eli-c
Manganese	0.37	mg/L		0.01		1	E200.8	02/27/08 03:17/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	03/24/08 10:51/eli-b
Molybdenum	ND	mg/L		0.01		1	E200.8	02/27/08 03:17/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/27/08 03:17/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	02/27/08 03:17/eli-c
Silver	ND	mg/L		0.005		5	E200.8	02/29/08 22:43/eli-c
Strontium	6.6	mg/L		0.1		1	E200.8	02/27/08 03:17/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	02/27/08 03:17/eli-c
Uranium	0.0005	mg/L		0.0003		1	E200.8	02/27/08 03:17/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	02/29/08 05:47/eli-c
DATA QUALITY								
A/C Balance (± 5)	-5.62	%				1	A1030 E	05/07/08 12:33/krs
Anions	28.0	meq/L				1	A1030 E	05/07/08 12:33/krs
Cations	25.0	meq/L				1	A1030 E	05/07/08 12:33/krs
Solids, Total Dissolved Calculated	1750	mg/L				1	A1030 E	05/07/08 12:33/krs
TDS Balance (0.80 - 1.20)	1.07	dec. %				1	A1030 E	05/07/08 12:33/krs

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020220-002
Client Sample ID: DewBurd GW7

Report Date: 05/08/08
Collection Date: 02/20/08 08:45
Date Received: 02/21/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	170	mg/L		5		1	A2320 B	02/26/08 16:01/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	02/26/08 16:01/sn
Bicarbonate as HCO3	207	mg/L		5		1	A2320 B	02/26/08 16:01/sn
Calcium	32.9	mg/L		0.5		1	E200.7	03/04/08 01:49/eli-c
Chloride	11	mg/L		1		1	E300.0	02/21/08 19:35/sn
Fluoride	0.3	mg/L		0.1		1	E300.0	02/21/08 19:35/sn
Magnesium	14.0	mg/L		0.5		1	E200.7	03/04/08 01:49/eli-c
Nitrogen, Ammonia as N	0.3	mg/L		0.1		1	A4500-NH3 G	02/26/08 14:22/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	02/21/08 19:35/sn
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	02/21/08 19:35/sn
Potassium	10.8	mg/L		0.5		1	E200.7	03/04/08 01:49/eli-c
Silica	7.5	mg/L		0.5		1	E200.7	03/04/08 01:49/eli-c
Sodium	276	mg/L	D	8		10	E200.7	03/03/08 20:39/eli-c
Sulfate	583	mg/L	D	3		50	E300.0	02/21/08 19:19/sn
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1600	umhos/cm		5.0		1	A2510 B	02/27/08 12:51/ch
Oxidation-Reduction Potential	180	mV				1	A2580 B	02/22/08 00:00/sn
pH	8.14	s.u.		0.01		1	A4500-H B	02/26/08 00:00/ch
Sodium Adsorption Ratio (SAR)	10	Unitless		0.10		1	Calculation	03/04/08 01:49/krs
Solids, Total Dissolved TDS @ 180 C	990	mg/L		5		1	A2540 C	02/22/08 10:32/sn
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	02/29/08 07:17/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	02/29/08 07:17/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/29/08 07:17/eli-c
Boron	ND	mg/L		0.1		1	E200.7	03/04/08 01:49/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/29/08 07:17/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/29/08 07:17/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/29/08 07:17/eli-c
Iron	ND	mg/L		0.03		1	E200.7	03/04/08 01:49/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/29/08 07:17/eli-c
Manganese	0.03	mg/L		0.01		1	E200.8	02/29/08 07:17/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/29/08 07:17/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	02/29/08 07:17/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/29/08 07:17/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	02/25/08 11:01/eli-c
Silver	ND	mg/L		0.005		1	E200.8	03/03/08 18:00/eli-c

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020220-002
Client Sample ID: DewBurd GW7

Report Date: 05/08/08
Collection Date: 02/20/08 08:45
Date Received: 02/21/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	02/29/08 07:17/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	02/29/08 07:17/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	02/29/08 07:17/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	02/29/08 07:17/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	03/01/08 07:06/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	02/25/08 09:29/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	02/25/08 11:26/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	15.5	pCi/L		4.0		1	E900.0	03/07/08 03:32/eli-c
Gross Alpha precision (±)	3.6	pCi/L				1	E900.0	03/07/08 03:32/eli-c
Gross Beta	10.1	pCi/L		6.0		1	E900.0	03/07/08 03:32/eli-c
Gross Beta precision (±)	3.5	pCi/L				1	E900.0	03/07/08 03:32/eli-c
Lead 210	24	pCi/L		1.0		1	E909.0M	02/26/08 09:30/eli-c
Lead 210 precision (±)	3.2	pCi/L				1	E909.0M	02/26/08 09:30/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	02/27/08 13:30/eli-c
Radium 226	0.7	pCi/L		0.1		1	E903.0	03/06/08 15:27/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	03/06/08 15:27/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	02/29/08 14:00/eli-c
Gross Gamma	77	pCi/L		20		1	E901.1	02/22/08 16:15/eli-c
Gross Gamma precision (±)	29	pCi/L				1	E901.1	02/22/08 16:15/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	03/04/08 09:45/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	03/06/08 14:45/eli-c
Radium 226	ND	pCi/L		0.9		1	E903.0	03/11/08 17:06/eli-c
Thorium 230	0.2	pCi/L		0.2		1	E907.0	03/14/08 14:45/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	03/14/08 14:45/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	242	pCi/L		100		1	D5072-92	02/22/08 15:00/eli-c
Radon 222 precision (±)	44.2	pCi/L				1	D5072-92	02/22/08 15:00/eli-c
TOTAL METALS ANALYSES								

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020220-002
Client Sample ID: DewBurd GW7

Report Date: 05/08/08
Collection Date: 02/20/08 08:45
Date Received: 02/21/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	02/27/08 03:24/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	02/27/08 03:24/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/27/08 03:24/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	02/27/08 03:24/eli-c
Boron	ND	mg/L		0.1		1	E200.7	02/29/08 21:04/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/27/08 03:24/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/27/08 03:24/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/27/08 03:24/eli-c
Iron	0.41	mg/L		0.03		1	E200.7	02/29/08 21:04/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/27/08 03:24/eli-c
Manganese	0.03	mg/L		0.01		1	E200.8	02/27/08 03:24/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	03/24/08 10:58/eli-b
Molybdenum	ND	mg/L		0.01		1	E200.8	02/27/08 03:24/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/27/08 03:24/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	02/27/08 03:24/eli-c
Silver	ND	mg/L		0.005		5	E200.8	02/29/08 22:51/eli-c
Strontium	1.0	mg/L		0.1		1	E200.8	02/27/08 03:24/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	02/27/08 03:24/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	02/27/08 03:24/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	02/29/08 06:17/eli-c
DATA QUALITY								
A/C Balance (± 5)	-2.50	%				1	A1030 E	05/07/08 12:36/krs
Anions	15.9	meq/L				1	A1030 E	05/07/08 12:36/krs
Cations	15.1	meq/L				1	A1030 E	05/07/08 12:36/krs
Solids, Total Dissolved Calculated	1050	mg/L				1	A1030 E	05/07/08 12:36/krs
TDS Balance (0.80 - 1.20)	0.940	dec. %				1	A1030 E	05/07/08 12:36/krs

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020220-003
Client Sample ID: DewBurd GW631

Report Date: 05/08/08
Collection Date: 02/20/08 13:55
Date Received: 02/21/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	158	mg/L		5		1	A2320 B	02/26/08 16:03/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	02/26/08 16:03/sn
Bicarbonate as HCO3	193	mg/L		5		1	A2320 B	02/26/08 16:03/sn
Calcium	324	mg/L	D	1		10	E200.7	03/03/08 20:43/eli-c
Chloride	8	mg/L		1		1	E300.0	02/21/08 20:06/sn
Fluoride	0.2	mg/L		0.1		1	E300.0	02/21/08 20:06/sn
Magnesium	82.6	mg/L		0.5		1	E200.7	03/04/08 01:52/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	02/26/08 14:25/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	02/21/08 20:06/sn
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	02/21/08 20:06/sn
Potassium	15.7	mg/L		0.5		1	E200.7	03/04/08 01:52/eli-c
Silica	6.9	mg/L		0.5		1	E200.7	03/04/08 01:52/eli-c
Sodium	77.1	mg/L	D	0.8		1	E200.7	03/04/08 01:52/eli-c
Sulfate	1250	mg/L	D	3		50	E300.0	02/21/08 19:50/sn
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2420	umhos/cm		5.0		1	A2510 B	02/27/08 12:51/ch
Oxidation-Reduction Potential	180	mV				1	A2580 B	02/22/08 00:00/sn
pH	7.60	s.u.		0.01		1	A4500-H B	02/26/08 00:00/ch
Sodium Adsorption Ratio (SAR)	0.99	Unitless		0.10		1	Calculation	03/04/08 01:52/krs
Solids, Total Dissolved TDS @ 180 C	2000	mg/L		5		1	A2540 C	02/22/08 10:32/sn
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	02/29/08 07:25/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	02/29/08 07:25/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/29/08 07:25/eli-c
Boron	0.1	mg/L		0.1		1	E200.7	03/04/08 01:52/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/29/08 07:25/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/29/08 07:25/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/29/08 07:25/eli-c
Iron	0.57	mg/L		0.03		1	E200.7	03/04/08 01:52/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/29/08 07:25/eli-c
Manganese	0.30	mg/L		0.01		1	E200.8	02/29/08 07:25/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/29/08 07:25/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	02/29/08 07:25/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/29/08 07:25/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	02/25/08 11:03/eli-c
Silver	ND	mg/L		0.005		1	E200.8	03/03/08 18:07/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020220-003
Client Sample ID: DewBurd GW631

Report Date: 05/08/08
Collection Date: 02/20/08 13:55
Date Received: 02/21/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	02/29/08 07:25/eli-c
Uranium	0.0027	mg/L		0.0003		1	E200.8	02/29/08 07:25/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	02/29/08 07:25/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	02/29/08 07:25/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	03/01/08 07:14/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	02/25/08 09:31/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	02/25/08 11:26/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	162	pCi/L		7.0		1	E900.0	03/07/08 03:32/eli-c
Gross Alpha precision (±)	12.2	pCi/L				1	E900.0	03/07/08 03:32/eli-c
Gross Beta	52.1	pCi/L		9.0		1	E900.0	03/07/08 03:32/eli-c
Gross Beta precision (±)	6.5	pCi/L				1	E900.0	03/07/08 03:32/eli-c
Lead 210	6.1	pCi/L		1.0		1	E909.0M	02/26/08 09:30/eli-c
Lead 210 precision (±)	1.8	pCi/L				1	E909.0M	02/26/08 09:30/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	02/27/08 13:30/eli-c
Radium 226	19.4	pCi/L		0.1		1	E903.0	03/06/08 15:27/eli-c
Radium 226 precision (±)	0.8	pCi/L				1	E903.0	03/06/08 15:27/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	02/29/08 14:00/eli-c
Gross Gamma	510	pCi/L		20		1	E901.1	02/22/08 16:15/eli-c
Gross Gamma precision (±)	46	pCi/L				1	E901.1	02/22/08 16:15/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	7.5	pCi/L		1.0		1	E909.0M	03/04/08 09:45/eli-c
Lead 210 precision (±)	1.4	pCi/L				1	E909.0M	03/04/08 09:45/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	03/06/08 14:45/eli-c
Radium 226	ND	pCi/L		0.9		1	E903.0	03/11/08 17:06/eli-c
Thorium 230	0.6	pCi/L		0.2		1	E907.0	03/14/08 14:45/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	03/14/08 14:45/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	3920	pCi/L		100		1	D5072-92	02/22/08 15:00/eli-c
Radon 222 precision (±)	77.0	pCi/L				1	D5072-92	02/22/08 15:00/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020220-003
Client Sample ID: DewBurd GW631

Report Date: 05/08/08
Collection Date: 02/20/08 13:55
Date Received: 02/21/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	02/27/08 03:32/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	02/27/08 03:32/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/27/08 03:32/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	02/27/08 03:32/eli-c
Boron	0.1	mg/L		0.1		1	E200.7	02/29/08 21:07/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/27/08 03:32/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/27/08 03:32/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/27/08 03:32/eli-c
Iron	1.06	mg/L		0.03		1	E200.7	02/29/08 21:07/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/27/08 03:32/eli-c
Manganese	0.28	mg/L		0.01		1	E200.8	02/27/08 03:32/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	03/06/08 09:04/eli-b
Molybdenum	ND	mg/L		0.01		1	E200.8	02/27/08 03:32/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/27/08 03:32/eli-c
Selenium	0.002	mg/L		0.001		1	E200.8	02/27/08 03:32/eli-c
Silver	ND	mg/L		0.005		1	E200.8	03/03/08 18:14/eli-c
Strontium	5.6	mg/L		0.1		1	E200.8	02/27/08 03:32/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	02/27/08 03:32/eli-c
Uranium	0.0026	mg/L		0.0003		1	E200.8	02/27/08 03:32/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	02/29/08 06:25/eli-c
DATA QUALITY								
A/C Balance (± 5)	-4.87	%				1	A1030 E	05/07/08 13:15/krs
Anions	29.5	meq/L				1	A1030 E	05/07/08 13:15/krs
Cations	26.8	meq/L				1	A1030 E	05/07/08 13:15/krs
Solids, Total Dissolved Calculated	1880	mg/L				1	A1030 E	05/07/08 13:15/krs
TDS Balance (0.80 - 1.20)	1.05	dec. %				1	A1030 E	05/07/08 13:15/krs

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020220-004
Client Sample ID: DewBurd GW13

Report Date: 05/08/08
Collection Date: 02/20/08 14:41
Date Received: 02/21/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	160	mg/L		5		1	A2320 B	02/26/08 16:05/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	02/26/08 16:05/sn
Bicarbonate as HCO3	195	mg/L		5		1	A2320 B	02/26/08 16:05/sn
Calcium	58	mg/L	D	1		10	E200.7	03/03/08 21:05/eli-c
Chloride	10	mg/L		1		1	E300.0	02/21/08 20:36/sn
Fluoride	0.5	mg/L		0.1		1	E300.0	02/21/08 20:36/sn
Magnesium	22.4	mg/L		0.5		10	E200.7	03/03/08 21:05/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	02/26/08 14:26/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	02/21/08 20:36/sn
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	02/21/08 20:36/sn
Potassium	11.8	mg/L		0.5		10	E200.7	03/03/08 21:05/eli-c
Silica	6.5	mg/L		0.5		1	E200.7	03/04/08 01:55/eli-c
Sodium	173	mg/L	D	8		10	E200.7	03/03/08 21:05/eli-c
Sulfate	499	mg/L	D	3		50	E300.0	02/21/08 20:21/sn
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1330	umhos/cm		5.0		1	A2510 B	02/27/08 12:52/ch
Oxidation-Reduction Potential	200	mV				1	A2580 B	02/22/08 00:00/sn
pH	8.05	s.u.		0.01		1	A4500-H B	02/26/08 00:00/ch
Sodium Adsorption Ratio (SAR)	4.9	Unitless		0.10		1	Calculation	03/03/08 21:05/krs
Solids, Total Dissolved TDS @ 180 C	850	mg/L		5		1	A2540 C	02/22/08 10:33/sn
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	03/01/08 05:36/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	02/29/08 07:55/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/29/08 07:55/eli-c
Boron	ND	mg/L		0.1		1	E200.7	03/04/08 01:55/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/29/08 07:55/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/29/08 07:55/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/29/08 07:55/eli-c
Iron	ND	mg/L		0.03		1	E200.7	03/04/08 01:55/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/29/08 07:55/eli-c
Manganese	0.16	mg/L		0.01		1	E200.8	02/29/08 07:55/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/29/08 07:55/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	02/29/08 07:55/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/29/08 07:55/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	02/25/08 11:06/eli-c
Silver	ND	mg/L		0.005		1	E200.8	03/03/08 18:21/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020220-004
Client Sample ID: DewBurd GW13

Report Date: 05/08/08
Collection Date: 02/20/08 14:41
Date Received: 02/21/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	02/29/08 07:55/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	02/29/08 07:55/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	02/29/08 07:55/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	02/29/08 07:55/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	03/01/08 07:21/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	02/25/08 09:33/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	02/25/08 11:26/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	19.5	pCi/L		3.0		1	E900.0	03/07/08 03:32/eli-c
Gross Alpha precision (±)	3.4	pCi/L				1	E900.0	03/07/08 03:32/eli-c
Gross Beta	11.4	pCi/L		5.0		1	E900.0	03/07/08 03:32/eli-c
Gross Beta precision (±)	3.0	pCi/L				1	E900.0	03/07/08 03:32/eli-c
Lead 210	4.7	pCi/L		1.0		1	E909.0M	02/26/08 09:30/eli-c
Lead 210 precision (±)	1.6	pCi/L				1	E909.0M	02/26/08 09:30/eli-c
Polonium 210	1.1	pCi/L		1.0		1	RMO-3008	02/27/08 13:30/eli-c
Polonium 210 precision (±)	0.9	pCi/L				1	RMO-3008	02/27/08 13:30/eli-c
Radium 226	1.1	pCi/L		0.1		1	E903.0	03/06/08 15:27/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	03/06/08 15:27/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	02/29/08 14:00/eli-c
Gross Gamma	ND	pCi/L		20		1	E901.1	02/22/08 16:15/eli-c
Gross Gamma precision (±)	ND	pCi/L				1	E901.1	02/22/08 16:15/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	ND	pCi/L		1.0		1	E909.0M	03/04/08 09:45/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	03/06/08 14:45/eli-c
Radium 226	1.6	pCi/L		0.9		1	E903.0	03/11/08 17:06/eli-c
Radium 226 precision (±)	0.8	pCi/L				1	E903.0	03/11/08 17:06/eli-c
Thorium 230	0.4	pCi/L		0.2		1	E907.0	03/14/08 14:45/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	03/14/08 14:45/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	258	pCi/L		100		1	D5072-92	02/22/08 15:00/eli-c
Radon 222 precision (±)	42.6	pCi/L				1	D5072-92	02/22/08 15:00/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020220-004
Client Sample ID: DewBurd GW13

Report Date: 05/08/08
Collection Date: 02/20/08 14:41
Date Received: 02/21/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	02/27/08 03:39/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	02/27/08 03:39/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/27/08 03:39/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	02/27/08 03:39/eli-c
Boron	ND	mg/L		0.1		1	E200.7	02/29/08 21:10/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/27/08 03:39/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/27/08 03:39/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/27/08 03:39/eli-c
Iron	3.11	mg/L		0.03		1	E200.7	02/29/08 21:10/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/27/08 03:39/eli-c
Manganese	0.16	mg/L		0.01		1	E200.8	02/27/08 03:39/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	03/06/08 09:06/eli-b
Molybdenum	ND	mg/L		0.01		1	E200.8	02/27/08 03:39/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/27/08 03:39/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	02/27/08 03:39/eli-c
Silver	ND	mg/L		0.005		1	E200.8	03/03/08 18:27/eli-c
Strontium	1.5	mg/L		0.1		1	E200.8	02/27/08 03:39/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	02/27/08 03:39/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	02/27/08 03:39/eli-c
Zinc	0.07	mg/L		0.01		1	E200.8	02/29/08 06:32/eli-c
DATA QUALITY								
A/C Balance (± 5)	-4.96	%				1	A1030 E	05/07/08 13:07/krs
Anions	13.9	meq/L				1	A1030 E	05/07/08 13:07/krs
Cations	12.6	meq/L				1	A1030 E	05/07/08 13:07/krs
Solids, Total Dissolved Calculated	888	mg/L				1	A1030 E	05/07/08 13:07/krs
TDS Balance (0.80 - 1.20)	0.960	dec. %				1	A1030 E	05/07/08 13:07/krs

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020220-005
Client Sample ID: DewBurd GW628

Report Date: 05/08/08
Collection Date: 02/20/08 18:30
Date Received: 02/21/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	162	mg/L		5		1	A2320 B	02/26/08 16:07/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	02/26/08 16:07/sn
Bicarbonate as HCO3	193	mg/L		5		1	A2320 B	02/26/08 16:07/sn
Calcium	50.0	mg/L		0.5		1	E200.7	05/05/08 17:06/eli-c
Chloride	29	mg/L		1		1	E300.0	02/21/08 21:07/sn
Fluoride	0.4	mg/L		0.1		1	E300.0	02/21/08 21:07/sn
Magnesium	20.6	mg/L		0.5		1	E200.7	05/05/08 17:06/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	02/26/08 14:27/sn
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	02/21/08 21:07/sn
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	02/21/08 21:07/sn
Potassium	9.3	mg/L		0.5		1	E200.7	05/05/08 17:06/eli-c
Silica	5.0	mg/L		0.5		1	E200.7	05/05/08 17:06/eli-c
Sodium	306	mg/L	D	0.8		1	E200.7	05/05/08 17:06/eli-c
Sulfate	651	mg/L		1		1	E300.0	02/21/08 21:07/sn
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1510	umhos/cm		5.0		1	A2510 B	02/27/08 12:54/ch
Oxidation-Reduction Potential	110	mV				1	A2580 B	02/22/08 00:00/sn
pH	8.32	s.u.		0.01		1	A4500-H B	02/26/08 00:00/ch
Sodium Adsorption Ratio (SAR)	9.2	Unitless		0.10		1	Calculation	05/05/08 17:06/krs
Solids, Total Dissolved TDS @ 180 C	920	mg/L		5		1	A2540 C	02/22/08 10:34/sn
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	03/01/08 05:44/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	02/29/08 08:02/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/29/08 08:02/eli-c
Boron	0.2	mg/L		0.1		1	E200.7	05/05/08 17:06/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/29/08 08:02/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/29/08 08:02/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/29/08 08:02/eli-c
Iron	ND	mg/L		0.03		1	E200.7	05/05/08 17:06/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/29/08 08:02/eli-c
Manganese	0.09	mg/L		0.01		1	E200.8	02/29/08 08:02/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	02/29/08 08:02/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	02/29/08 08:02/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/29/08 08:02/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	02/25/08 11:08/eli-c
Silver	ND	mg/L		0.005		1	E200.8	03/03/08 19:15/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020220-005
Client Sample ID: DewBurd GW628

Report Date: 05/08/08
Collection Date: 02/20/08 18:30
Date Received: 02/21/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	02/29/08 08:02/eli-c
Uranium	0.0030	mg/L		0.0003		1	E200.8	02/29/08 08:02/eli-c
Vanadium	ND	mg/L		0.1		1	E200.8	02/29/08 08:02/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	02/29/08 08:02/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	03/01/08 07:29/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	02/25/08 09:35/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	02/25/08 11:26/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	64.5	pCi/L		4.0		1	E900.0	03/07/08 03:32/eli-c
Gross Alpha precision (±)	5.8	pCi/L				1	E900.0	03/07/08 03:32/eli-c
Gross Beta	19.0	pCi/L		6.0		1	E900.0	03/07/08 03:32/eli-c
Gross Beta precision (±)	3.7	pCi/L				1	E900.0	03/07/08 03:32/eli-c
Lead 210	14	pCi/L		1.0		1	E909.0M	02/26/08 09:30/eli-c
Lead 210 precision (±)	2.5	pCi/L				1	E909.0M	02/26/08 09:30/eli-c
Polonium 210	1.3	pCi/L		1.0		1	RMO-3008	02/27/08 13:30/eli-c
Polonium 210 precision (±)	1.1	pCi/L				1	RMO-3008	02/27/08 13:30/eli-c
Radium 226	9.0	pCi/L		0.1		1	E903.0	03/06/08 15:27/eli-c
Radium 226 precision (±)	0.6	pCi/L				1	E903.0	03/06/08 15:27/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	02/29/08 14:00/eli-c
Gross Gamma	440	pCi/L		20		1	E901.1	02/22/08 16:15/eli-c
Gross Gamma precision (±)	42	pCi/L				1	E901.1	02/22/08 16:15/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	1.2	pCi/L		1.0		1	E909.0M	03/04/08 09:45/eli-c
Lead 210 precision (±)	0.54	pCi/L				1	E909.0M	03/04/08 09:45/eli-c
Polonium 210	ND	pCi/L		1.0		1	RMO-3008	03/06/08 14:45/eli-c
Radium 226	1.7	pCi/L		1.0		1	E903.0	03/11/08 17:06/eli-c
Radium 226 precision (±)	0.8	pCi/L				1	E903.0	03/11/08 17:06/eli-c
Thorium 230	ND	pCi/L		0.2		1	E907.0	03/26/08 14:30/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	03/26/08 14:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	4360	pCi/L		100		1	D5072-92	02/22/08 15:00/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08020220-005
Client Sample ID: DewBurd GW628

Report Date: 05/08/08
Collection Date: 02/20/08 18:30
Date Received: 02/21/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - TOTAL								
Radon 222 precision (±)	78.4	pCi/L				1	D5072-92	02/22/08 15:00/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	02/27/08 03:47/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	02/27/08 03:47/eli-c
Barium	ND	mg/L		0.1		1	E200.8	02/27/08 03:47/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	02/27/08 03:47/eli-c
Boron	ND	mg/L		0.1		1	E200.7	02/29/08 21:14/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	02/27/08 03:47/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	02/27/08 03:47/eli-c
Copper	ND	mg/L		0.01		1	E200.8	02/27/08 03:47/eli-c
Iron	0.70	mg/L		0.03		1	E200.7	02/29/08 21:14/eli-c
Lead	ND	mg/L		0.001		1	E200.8	02/27/08 03:47/eli-c
Manganese	0.09	mg/L		0.01		1	E200.8	02/27/08 03:47/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	03/24/08 11:00/eli-b
Molybdenum	ND	mg/L		0.01		1	E200.8	02/27/08 03:47/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	02/27/08 03:47/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	02/27/08 03:47/eli-c
Silver	ND	mg/L		0.005		5	E200.8	02/29/08 23:36/eli-c
Strontium	0.9	mg/L		0.1		1	E200.8	02/27/08 03:47/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	02/27/08 03:47/eli-c
Uranium	0.0031	mg/L		0.0003		1	E200.8	02/27/08 03:47/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	02/29/08 06:40/eli-c
DATA QUALITY								
A/C Balance (± 5)	0.362	%				1	A1030 E	05/07/08 13:10/krs
Anions	17.6	meq/L				1	A1030 E	05/07/08 13:10/krs
Cations	17.8	meq/L				1	A1030 E	05/07/08 13:10/krs
Solids, Total Dissolved Calculated	1180	mg/L				1	A1030 E	05/07/08 13:10/krs
TDS Balance (0.80 - 1.20)	0.780	dec. %				1	A1030 E	05/07/08 13:10/krs

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

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 080225A-ALK-SEL-W	
Sample ID: MBLK1_080225A	Method Blank				Run: PH_COND1-R_080226A			02/26/08 12:12	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Bicarbonate as HCO3	ND	mg/L	3						
Carbonate as CO3	ND	mg/L	3						
Sample ID: LCS1_080225A	Laboratory Control Sample				Run: PH_COND1-R_080226A			02/26/08 12:16	
Alkalinity, Total as CaCO3	1000	mg/L	5.0	102	90	110			
Sample ID: R08020220-005AMS	Sample Matrix Spike				Run: PH_COND1-R_080226A			02/26/08 16:10	
Alkalinity, Total as CaCO3	264	mg/L	5.0	96	80	120			
Sample ID: R08020220-005AMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_080226A			02/26/08 16:13	
Alkalinity, Total as CaCO3	250	mg/L	5.0	83	80	120	5.4	10	
Method: A2510 B								Batch: 080227_1_COND-PROBE-W	
Sample ID: LCS1-1_080227	Laboratory Control Sample				Run: PH_COND2-R_080227A			02/27/08 12:33	
Conductivity @ 25 C	156	umhos/cm	5.0	104	90	110			
Sample ID: LCS2-1_080227	Laboratory Control Sample				Run: PH_COND2-R_080227A			02/27/08 12:35	
Conductivity @ 25 C	5080	umhos/cm	5.0	102	90	110			
Sample ID: LCS_COND-1_080227	Laboratory Control Sample				Run: PH_COND2-R_080227A			02/27/08 12:42	
Conductivity @ 25 C	1310	umhos/cm	5.0	93	90	110			
Sample ID: MBLK-1_080227	Method Blank				Run: PH_COND2-R_080227A			02/27/08 13:07	
Conductivity @ 25 C	ND	umhos/cm	5						
Sample ID: R08020171-002ADUP	Sample Duplicate				Run: PH_COND2-R_080227A			02/27/08 12:47	
Conductivity @ 25 C	530	umhos/cm	5.0				1.3	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C								Batch: 080222A-SLDS-TDS-W	
Sample ID: MBLK1_080222A	Method Blank				Run: BAL-4-R_080222A			02/22/08 10:18	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: LCS1_080222A	Laboratory Control Sample				Run: BAL-4-R_080222A			02/22/08 10:19	
Solids, Total Dissolved TDS @ 180 C	200	mg/L	5.0	100	90	110			
Sample ID: R08020218-008AMS	Sample Matrix Spike				Run: BAL-4-R_080222A			02/22/08 10:28	
Solids, Total Dissolved TDS @ 180 C	1500	mg/L	5.0	116	80	120			
Sample ID: R08020218-008AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080222A			02/22/08 10:29	
Solids, Total Dissolved TDS @ 180 C	1500	mg/L	5.0	113	80	120	0.4	10	
Sample ID: R08020228-003AMS	Sample Matrix Spike				Run: BAL-4-R_080222A			02/22/08 10:38	
Solids, Total Dissolved TDS @ 180 C	3000	mg/L	5.0	116	80	120			
Sample ID: R08020228-003AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080222A			02/22/08 10:39	
Solids, Total Dissolved TDS @ 180 C	3000	mg/L	5.0	126	80	120	0.7	10	S
Method: A2580 B								Batch: R33568	
Sample ID: LCS_022208A	Laboratory Control Sample				Run: PH_COND1-R_080222A			02/22/08 00:00	
Oxidation-Reduction Potential	490	mV		102	95	105			
Method: A3114 B								Batch: C_SE3114-080225A	
Sample ID: MBLK	Method Blank				Run: SUB-C97291			02/25/08 10:55	
Selenium	0.0003	mg/L	6E-05						
Sample ID: 288-30-5	Laboratory Control Sample				Run: SUB-C97291			02/25/08 10:57	
Selenium	0.049	mg/L	0.0010	98	90	110			
Sample ID: R08020220-001E	Sample Matrix Spike				Run: SUB-C97291			02/25/08 11:10	
Selenium	0.047	mg/L	0.0010	91	85	115			
Sample ID: R08020220-001E	Sample Matrix Spike Duplicate				Run: SUB-C97291			02/25/08 11:12	
Selenium	0.049	mg/L	0.0010	96	85	115	5.0	10	

Qualifiers:

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

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B								Batch: C_SEIV3114-080225	
Sample ID: MBLK	Method Blank				Run: SUB-C97273			02/25/08 09:22	
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-30-5	Laboratory Control Sample				Run: SUB-C97273			02/25/08 09:25	
Selenium-IV	0.050	mg/L	0.0010	100	90	110			
Sample ID: R08020220-001E	Sample Matrix Spike				Run: SUB-C97273			02/25/08 09:38	
Selenium-IV	0.047	mg/L	0.0010	93	85	115			
Sample ID: R08020220-001E	Sample Matrix Spike Duplicate				Run: SUB-C97273			02/25/08 09:40	
Selenium-IV	0.045	mg/L	0.0010	88	85	115	4.7	10	
Method: A4500-H B								Batch: 080226_1_PH-W	
Sample ID: LCS_pH-1_080226	Laboratory Control Sample				Run: PH_COND2-R_080226A			02/26/08 00:00	
pH	6.96	s.u.	0.010	101	98.55	101.45			
Sample ID: R08020171-003ADUP	Sample Duplicate				Run: PH_COND2-R_080226A			02/26/08 00:00	
pH	6.82	s.u.	0.010				0.0	1.25	
Method: A4500-NH3 G								Batch: A2008-02-26_2_NH3_01	
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_080226A			02/26/08 11:54	
Nitrogen, Ammonia as N	0.26	mg/L	0.10	102	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_080226A			02/26/08 11:55	
Nitrogen, Ammonia as N	0.27	mg/L	0.10	106	90	110			
Sample ID: MBLK-5	Method Blank				Run: TECHAA2-R_080226A			02/26/08 11:56	
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: R08020220-001BDUP	Sample Duplicate				Run: TECHAA2-R_080226A			02/26/08 14:21	
Nitrogen, Ammonia as N	0.22	mg/L	0.10				0.0	10	
Sample ID: R08020220-002BMS	Sample Matrix Spike				Run: TECHAA2-R_080226A			02/26/08 14:24	
Nitrogen, Ammonia as N	0.57	mg/L	0.10	96	80	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

ENERGY LABORATORIES, INC. • 2821 Plant Street • Rapid City, SD 57702 • www.energylab.com
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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: D5072-92									Batch: C_R97324
Sample ID: C08020802-002CDUP	Sample Duplicate				Run: SUB-C97324				02/22/08 15:00
Radon 222	287	pCi/L	100				14	30	
Sample ID: MB-R97324	Method Blank				Run: SUB-C97324				02/22/08 15:00
Radon 222	ND	pCi/L							
Sample ID: LCS-R97324	Laboratory Control Sample				Run: SUB-C97324				02/22/08 15:00
Radon 222	302	pCi/L	100	99	70	130			
Method: E200.7									Batch: C_17842
Sample ID: MB-17842	Method Blank				Run: SUB-C97563				02/29/08 11:55
Boron	ND	mg/L	0.01						
Iron	ND	mg/L	0.009						
Sample ID: LCS-17842	Laboratory Control Sample				Run: SUB-C97563				02/29/08 12:31
Boron	0.493	mg/L	0.10	99	85	115			
Iron	0.500	mg/L	0.030	100	85	115			
Sample ID: R08020220-005D	Sample Matrix Spike				Run: SUB-C97563				02/29/08 21:17
Boron	0.574	mg/L	0.10	97	70	130			
Iron	1.17	mg/L	0.030	94	70	130			
Sample ID: R08020220-005D	Sample Matrix Spike Duplicate				Run: SUB-C97563				02/29/08 21:20
Boron	0.588	mg/L	0.10	100	70	130	2.4	20	
Iron	1.19	mg/L	0.030	98	70	130	1.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R97620
Sample ID: LFB-TM	Laboratory Fortified Blank				Run: SUB-C97620				03/03/08 11:30
Silica	2.0	mg/L	0.10	99	85	125			
Boron	1.9	mg/L	0.10	96	85	125			
Iron	2.0	mg/L	0.030	99	85	125			
Sample ID: LFB-MAJORS	Laboratory Fortified Blank				Run: SUB-C97620				03/03/08 11:33
Calcium	25	mg/L	0.50	99	85	125			
Magnesium	24	mg/L	0.50	95	85	125			
Potassium	25	mg/L	0.50	101	85	125			
Sodium	25	mg/L	0.76	98	85	125			
Sample ID: LRB	Laboratory Reagent Blank				Run: SUB-C97620				03/03/08 11:40
Silica	ND	mg/L	0.10						
Boron	ND	mg/L	0.10						
Calcium	ND	mg/L	0.50						
Iron	ND	mg/L	0.030						
Magnesium	ND	mg/L	0.50						
Potassium	0.050	mg/L	0.50						
Sodium	ND	mg/L	0.76						
Sample ID: C08020768-001FMS	Sample Matrix Spike				Run: SUB-C97620				03/03/08 20:19
Boron	0.975	mg/L	0.10	98	70	130			
Calcium	55.8	mg/L	0.50	88	70	130			
Iron	0.948	mg/L	0.030	94	70	130			
Magnesium	45.3	mg/L	0.50	88	70	130			
Potassium	106	mg/L	0.50	88	70	130			
Silica	16.8	mg/L	0.10		70	130			A
Sodium	49.9	mg/L	0.76	92	70	130			
Sample ID: C08020768-001FMSD	Sample Matrix Spike Duplicate				Run: SUB-C97620				03/03/08 20:23
Boron	1.02	mg/L	0.10	102	70	130	4.8	20	
Calcium	57.7	mg/L	0.50	91	70	130	3.3	20	
Iron	1.00	mg/L	0.030	99	70	130	5.8	20	
Magnesium	47.3	mg/L	0.50	92	70	130	4.2	20	
Potassium	108	mg/L	0.50	89	70	130	2.1	20	
Silica	17.7	mg/L	0.10		0	0			A
Sodium	49.0	mg/L	0.76	90	70	130	1.8	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_17842
Sample ID: MB-17842	Method Blank				Run: SUB-C97361				02/27/08 01:32
Antimony	ND	mg/L	0.0003						
Arsenic	ND	mg/L	0.0001						
Barium	ND	mg/L	8E-05						
Beryllium	ND	mg/L	7E-05						
Cadmium	ND	mg/L	0.0004						
Chromium	ND	mg/L	0.0002						
Copper	ND	mg/L	0.0001						
Lead	ND	mg/L	0.0001						
Manganese	ND	mg/L	5E-05						
Molybdenum	ND	mg/L	0.0002						
Nickel	0.0006	mg/L	6E-05						
Selenium	0.0007	mg/L	0.0002						
Strontium	ND	mg/L	7E-05						
Thallium	ND	mg/L	5E-05						
Uranium	ND	mg/L	4E-05						
Sample ID: LCS1-17842	Laboratory Control Sample				Run: SUB-C97361				02/27/08 01:39
Antimony	0.0186	mg/L	0.050	93	80	120			
Arsenic	0.0196	mg/L	0.0010	98	80	120			
Barium	0.0198	mg/L	0.10	99	80	120			
Beryllium	0.0208	mg/L	0.010	104	80	120			
Cadmium	0.0195	mg/L	0.010	97	80	120			
Chromium	0.0190	mg/L	0.050	95	80	120			
Copper	0.0192	mg/L	0.010	96	80	120			
Lead	0.0190	mg/L	0.050	95	80	120			
Manganese	0.0187	mg/L	0.010	94	80	120			
Molybdenum	0.0189	mg/L	0.10	95	80	120			
Nickel	0.0194	mg/L	0.050	97	80	120			
Selenium	0.0928	mg/L	0.0010	92	80	120			
Strontium	0.00959	mg/L	0.10	96	80	120			
Thallium	0.0187	mg/L	0.10	94	80	120			
Uranium	0.0194	mg/L	0.00030	97	80	120			
Sample ID: LCS-17842	Laboratory Control Sample				Run: SUB-C97361				02/27/08 01:47
Antimony	0.510	mg/L	0.050	102	85	115			
Arsenic	0.493	mg/L	0.0013	99	85	115			
Barium	0.518	mg/L	0.10	104	85	115			
Beryllium	0.524	mg/L	0.010	105	85	115			
Cadmium	0.496	mg/L	0.010	99	85	115			
Chromium	0.506	mg/L	0.050	101	85	115			
Copper	0.483	mg/L	0.010	97	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_17842
Sample ID: LCS-17842	Laboratory Control Sample				Run: SUB-C97361				02/27/08 01:47
Lead	0.501	mg/L	0.050	100	85	115			
Manganese	0.489	mg/L	0.010	98	85	115			
Molybdenum	0.497	mg/L	0.10	99	85	115			
Nickel	0.488	mg/L	0.050	98	85	115			
Selenium	0.482	mg/L	0.0022	96	85	115			
Strontium	0.463	mg/L	0.10	93	85	115			
Thallium	0.499	mg/L	0.10	100	85	115			
Uranium	0.510	mg/L	0.00038	102	85	115			
Sample ID: R08020220-005D	Post Digestion Spike				Run: SUB-C97361				02/27/08 04:17
Antimony	0.0758	mg/L	0.050	108	70	130			
Arsenic	0.0701	mg/L	0.0010	98	70	130			
Barium	0.0807	mg/L	0.10	102	70	130			
Beryllium	0.0673	mg/L	0.010	96	70	130			
Cadmium	0.0674	mg/L	0.010	96	70	130			
Chromium	0.0679	mg/L	0.050	97	70	130			
Copper	0.0652	mg/L	0.010	93	70	130			
Lead	0.0702	mg/L	0.050	100	70	130			
Manganese	0.160	mg/L	0.010	97	70	130			
Molybdenum	0.0774	mg/L	0.10	107	70	130			
Nickel	0.0650	mg/L	0.050	92	70	130			
Selenium	0.138	mg/L	0.0010	91	70	130			
Strontium	0.926	mg/L	0.10		70	130			A
Thallium	0.0691	mg/L	0.10	99	70	130			
Uranium	0.0768	mg/L	0.00030	105	70	130			
Sample ID: R08020220-005D	Post Digestion Spike Duplicate				Run: SUB-C97361				02/27/08 04:25
Antimony	0.0741	mg/L	0.050	106	70	130	2.3	20	
Arsenic	0.0694	mg/L	0.0010	97	70	130	0.9	20	
Barium	0.0797	mg/L	0.10	101	70	130	0.0	20	
Beryllium	0.0631	mg/L	0.010	90	70	130	6.6	20	
Cadmium	0.0682	mg/L	0.010	97	70	130	1.2	20	
Chromium	0.0668	mg/L	0.050	95	70	130	1.7	20	
Copper	0.0646	mg/L	0.010	92	70	130	0.8	20	
Lead	0.0698	mg/L	0.050	100	70	130	0.6	20	
Manganese	0.159	mg/L	0.010	97	70	130	0.2	20	
Molybdenum	0.0771	mg/L	0.10	106	70	130	0.0	20	
Nickel	0.0650	mg/L	0.050	92	70	130	0.0	20	
Selenium	0.137	mg/L	0.0010	91	70	130	1.0	20	
Strontium	0.940	mg/L	0.10		70	130	1.5	20	A
Thallium	0.0692	mg/L	0.10	99	70	130	0.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_17842
Sample ID: R08020220-005D	Post Digestion Spike Duplicate				Run: SUB-C97361				02/27/08 04:25
Uranium	0.0764	mg/L	0.00030	105	70	130	0.5	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R97512
Sample ID: LRB	Method Blank				Run: SUB-C97512				02/28/08 16:39
Aluminum	ND	mg/L	0.0002						
Arsenic	ND	mg/L	0.0002						
Barium	ND	mg/L	9E-05						
Cadmium	0.002	mg/L	0.0002						
Chromium	ND	mg/L	0.0001						
Copper	ND	mg/L	0.0001						
Lead	ND	mg/L	2E-05						
Manganese	ND	mg/L	3E-05						
Mercury	0.0001	mg/L	6E-06						
Molybdenum	0.001	mg/L	7E-05						
Nickel	ND	mg/L	8E-05						
Thorium 232	8E-05	mg/L	6E-05						
Uranium	ND	mg/L	4E-05						
Vanadium	ND	mg/L	9E-05						
Zinc	ND	mg/L	0.002						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C97512				02/28/08 16:47
Aluminum	0.0503	mg/L	0.0010	101	85	115			
Arsenic	0.0533	mg/L	0.0010	107	85	115			
Barium	0.0529	mg/L	0.0010	106	85	115			
Cadmium	0.0540	mg/L	0.0010	104	85	115			
Chromium	0.0523	mg/L	0.0010	105	85	115			
Copper	0.0541	mg/L	0.0010	108	85	115			
Lead	0.0532	mg/L	0.0010	106	85	115			
Manganese	0.0528	mg/L	0.0010	106	85	115			
Mercury	0.00537	mg/L	0.0010	105	85	115			
Molybdenum	0.0541	mg/L	0.0010	105	85	115			
Nickel	0.0540	mg/L	0.0010	108	85	115			
Thorium 232	0.0529	mg/L	0.0010	106	85	115			
Uranium	0.0538	mg/L	0.00030	108	85	115			
Vanadium	0.0523	mg/L	0.0010	105	85	115			
Zinc	0.0554	mg/L	0.0021	111	85	115			
Sample ID: C08020768-002FMS4	Post Digestion Spike				Run: SUB-C97512				02/29/08 08:32
Aluminum	0.0416	mg/L	0.10	83	70	130			
Arsenic	0.0532	mg/L	0.0010	104	70	130			
Barium	0.0895	mg/L	0.10	96	70	130			
Cadmium	0.0503	mg/L	0.0010	101	70	130			
Chromium	0.0518	mg/L	0.050	103	70	130			
Copper	0.0581	mg/L	0.010	99	70	130			
Lead	0.0512	mg/L	0.0010	102	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R97512
Sample ID: C08020768-002FMS4	Post Digestion Spike				Run: SUB-C97512				02/29/08 08:32
Manganese	0.0523	mg/L	0.010	104	70	130			
Mercury	0.00511	mg/L	0.0010	102	70	130			
Molybdenum	0.0525	mg/L	0.10	96	70	130			
Nickel	0.0467	mg/L	0.050	93	70	130			
Thorium 232	0.0495	mg/L	0.0010	99	70	130			
Uranium	0.0533	mg/L	0.00030	101	70	130			
Vanadium	0.0532	mg/L	0.10	106	70	130			
Zinc	0.0915	mg/L	0.010	103	70	130			
Sample ID: C08020768-002FMSD4	Post Digestion Spike Duplicate				Run: SUB-C97512				02/29/08 08:40
Aluminum	0.0423	mg/L	0.10	85	70	130	0.0	20	
Arsenic	0.0529	mg/L	0.0010	104	70	130	0.5	20	
Barium	0.0920	mg/L	0.10	101	70	130	0.0	20	
Cadmium	0.0504	mg/L	0.0010	101	70	130	0.2	20	
Chromium	0.0522	mg/L	0.050	104	70	130	0.9	20	
Copper	0.0581	mg/L	0.010	99	70	130	0.1	20	
Lead	0.0516	mg/L	0.0010	102	70	130	0.8	20	
Manganese	0.0521	mg/L	0.010	104	70	130	0.5	20	
Mercury	0.00517	mg/L	0.0010	103	70	130	1.2	20	
Molybdenum	0.0542	mg/L	0.10	99	70	130	0.0	20	
Nickel	0.0463	mg/L	0.050	93	70	130	0.0	20	
Thorium 232	0.0497	mg/L	0.0010	99	70	130	0.5	20	
Uranium	0.0529	mg/L	0.00030	100	70	130	0.7	20	
Vanadium	0.0530	mg/L	0.10	105	70	130	0.0	20	
Zinc	0.0923	mg/L	0.010	105	70	130	0.8	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R97552
Sample ID: LRB	Method Blank				Run: SUB-C97552				02/29/08 15:24
Aluminum	ND	mg/L	0.0002						
Uranium	ND	mg/L	4E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C97552				02/29/08 15:32
Aluminum	0.0487	mg/L	0.0010	95	85	115			
Uranium	0.0551	mg/L	0.00030	110	85	115			
Sample ID: MB-17899	Method Blank				Run: SUB-C97552				03/01/08 06:36
Uranium	0.0001	mg/L	4E-05						
Sample ID: LCS1-17899	Laboratory Control Sample				Run: SUB-C97552				03/01/08 06:44
Uranium	0.0491	mg/L	0.00030	98	80	120			
Sample ID: R08020220-005I	Post Digestion Spike				Run: SUB-C97552				03/01/08 07:36
Aluminum	2.97	mg/L	0.10		70	130			A
Uranium	0.0506	mg/L	0.00030	101	70	130			
Sample ID: R08020220-005I	Post Digestion Spike Duplicate				Run: SUB-C97552				03/01/08 08:06
Aluminum	2.95	mg/L	0.10		70	130	0.5	20	A
Uranium	0.0504	mg/L	0.00030	100	70	130	0.4	20	
Method: E200.8									Batch: C_R97625
Sample ID: LRB	Method Blank				Run: SUB-C97625				03/03/08 12:50
Silver	0.001	mg/L	3E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C97625				03/03/08 12:56
Silver	0.0209	mg/L	0.0010	104	85	115			
Sample ID: C08020752-003CMS	Sample Matrix Spike				Run: SUB-C97625				03/03/08 16:40
Silver	0.0824	mg/L	0.010	82	70	130			
Sample ID: C08020752-003CMSD	Sample Matrix Spike Duplicate				Run: SUB-C97625				03/03/08 16:51
Silver	0.0823	mg/L	0.010	82	70	130	0.2	20	
Sample ID: R08020220-005C	Sample Matrix Spike				Run: SUB-C97625				03/03/08 19:22
Silver	0.0120	mg/L	0.010	60	70	130			S
- Matrix spike recoveries outside the acceptance range are considered matrix-related.									
Sample ID: R08020220-005C	Sample Matrix Spike Duplicate				Run: SUB-C97625				03/03/08 19:29
Silver	0.0112	mg/L	0.010	56	70	130	6.7	20	S
- Matrix spike recoveries outside the acceptance range are considered matrix-related.									

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E245.1									Batch: C_B_31291
Sample ID: MB-31291	Method Blank				Run: SUB-C97764				03/06/08 07:45
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-31291	Laboratory Fortified Blank				Run: SUB-C97764				03/06/08 07:49
Mercury	0.0021	mg/L	0.0010	106	85	115			
Sample ID: R08020220-004D	Sample Matrix Spike				Run: SUB-C97764				03/06/08 09:09
Mercury	0.0018	mg/L	0.0010	92	70	130			
Sample ID: R08020220-004D	Sample Matrix Spike Duplicate				Run: SUB-C97764				03/06/08 09:16
Mercury	0.0018	mg/L	0.0010	89	70	130	3.3	30	
Sample ID: B08020433-001CMS	Sample Matrix Spike				Run: SUB-C97764				03/06/08 07:56
Mercury	0.0017	mg/L	0.0010	87	70	130			
Sample ID: B08020433-001CMSD	Sample Matrix Spike Duplicate				Run: SUB-C97764				03/06/08 07:58
Mercury	0.0018	mg/L	0.0010	89	70	130	1.7	30	
Method: E245.1									Batch: C_B_31543
Sample ID: MB-31543	Method Blank				Run: SUB-C98552				03/24/08 10:46
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-31543	Laboratory Fortified Blank				Run: SUB-C98552				03/24/08 10:49
Mercury	0.0019	mg/L	0.0010	94	85	115			
Sample ID: R08020220-001D	Sample Matrix Spike				Run: SUB-C98552				03/24/08 10:53
Mercury	0.0016	mg/L	0.0010	82	70	130			
Sample ID: R08020220-001D	Sample Matrix Spike Duplicate				Run: SUB-C98552				03/24/08 10:56
Mercury	0.0018	mg/L	0.0010	89	70	130	8.8	30	
Sample ID: B08031358-013CMS	Sample Matrix Spike				Run: SUB-C98552				03/24/08 11:31
Mercury	0.0023	mg/L	0.0010	113	70	130			
Sample ID: B08031358-013CMSD	Sample Matrix Spike Duplicate				Run: SUB-C98552				03/24/08 11:33
Mercury	0.0020	mg/L	0.0010	99	70	130	13	30	
Method: E245.1									Analytical Run: SUB-C97764
Sample ID: QCS	Initial Calibration Verification Standard								03/06/08 07:37
Mercury	0.0021	mg/L	0.0010	106	90	110			
Sample ID: QCS	Initial Calibration Verification Standard								03/06/08 14:36
Mercury	0.0021	mg/L	0.0010	105	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E245.1								Analytical Run: SUB-C98552	
Sample ID: QCS	Initial Calibration Verification Standard							03/24/08 10:39	
Mercury	0.0018	mg/L	0.0010	92	90	110			
Method: E300.0								Batch: R33567	
Sample ID: LFB0802212544-1	Laboratory Fortified Blank				Run: DIONEX_080221A			02/21/08 17:47	
Chloride	5.00	mg/L	0.50	100	90	110			
Fluoride	2.06	mg/L	0.10	103	90	110			
Nitrogen, Nitrate as N	2.55	mg/L	0.10	102	90	110			
Nitrogen, Nitrite as N	2.53	mg/L	0.10	101	90	110			
Sulfate	14.8	mg/L	1.0	99	90	110			
Sample ID: LFB0802212544-1	Laboratory Fortified Blank				Run: DIONEX_080221A			02/21/08 18:02	
Chloride	5.02	mg/L	0.50	100	90	110			
Fluoride	2.06	mg/L	0.10	103	90	110			
Nitrogen, Nitrate as N	2.56	mg/L	0.10	102	90	110			
Nitrogen, Nitrite as N	2.52	mg/L	0.10	101	90	110			
Sulfate	14.8	mg/L	1.0	99	90	110			
Sample ID: R08020220-001AMS	Sample Matrix Spike				Run: DIONEX_080221A			02/21/08 18:33	
Chloride	259	mg/L	5.4	88	80	120			
Fluoride	103	mg/L	0.56	103	80	120			
Nitrogen, Nitrate as N	126	mg/L	1.3	101	80	120			
Nitrogen, Nitrite as N	126	mg/L	2.9	101	80	120			
Sulfate	1700	mg/L	3.4	82	80	120			
Sample ID: R08020220-001AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080221A			02/21/08 18:49	
Chloride	257	mg/L	5.4	87	80	120	0.6	10	
Fluoride	103	mg/L	0.56	103	80	120	0.8	10	
Nitrogen, Nitrate as N	125	mg/L	1.3	100	80	120	0.8	10	
Nitrogen, Nitrite as N	126	mg/L	2.9	101	80	120	0.0	10	
Sulfate	1700	mg/L	3.4	82	80	120	0.1	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0									Batch: C_GrAB-0402
Sample ID: MB-GrAB-0402	Method Blank				Run: SUB-C99057				03/06/08 01:41
Gross Alpha	2	pCi/L							
Gross Beta	-1	pCi/L							
Sample ID: UNAT-GrAB-0402	Laboratory Control Sample				Run: SUB-C99057				03/06/08 01:42
Gross Alpha	290	pCi/L		118	70	130			
Sample ID: Cs137-GrAB-0402	Laboratory Control Sample				Run: SUB-C99057				03/06/08 01:41
Gross Beta	96	pCi/L		102	70	130			
Sample ID: C08020709-001AMS	Sample Matrix Spike				Run: SUB-C99057				03/06/08 01:42
Gross Alpha	320	pCi/L		126	70	130			
Sample ID: C08020709-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C99057				03/06/08 01:42
Gross Alpha	320	pCi/L		128	70	130	1.6	15.9	
Sample ID: C08020709-001AMS	Sample Matrix Spike				Run: SUB-C99057				03/06/08 01:41
Gross Beta	110	pCi/L		97	70	130			
Sample ID: C08020709-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C99057				03/06/08 01:41
Gross Beta	100	pCi/L		95	70	130	2.1	16	
Method: E901.1									Batch: C_R97327
Sample ID: MB-R97327	Method Blank				Run: SUB-C97327				02/22/08 16:15
Gross Gamma	ND	pCi/L	20						
Sample ID: LCS-R97327	Laboratory Control Sample				Run: SUB-C97327				02/22/08 16:15
Americium 241	730	pCi/L	20	87	70	130			
Cesium 137	1100	pCi/L	20	67	70	130			S
Potassium 40	7200	pCi/L	20	108	70	130			
Sample ID: R08020220-005H	Sample Duplicate				Run: SUB-C97327				02/22/08 16:15
Gross Gamma	400	pCi/L	20				10.0	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: C_RA226-2646
Sample ID: C08020820-001AMS	Sample Matrix Spike				Run: SUB-C97898				03/06/08 15:27
Radium 226	12	pCi/L	0.10	95	70	130			
Sample ID: C08020837-001CDUP	Sample Duplicate				Run: SUB-C97898				03/06/08 17:01
Radium 226	3.6	pCi/L	0.10				52	32.8	R
- The RPD for the dup is high. The spike recovery is within range, the MB is acceptable, and the LCS is within range, therefore the batch is approved.									
Sample ID: MB-RA226-2646	Method Blank				Run: SUB-C97898				03/06/08 17:01
Radium 226	ND	pCi/L							
Sample ID: LCS-RA226-2646	Laboratory Control Sample				Run: SUB-C97898				03/06/08 17:01
Radium 226	8.1	pCi/L	0.20	127	70	130			
Method: E903.0									Batch: C_RA226-2653
Sample ID: C08020894-001AMS	Sample Matrix Spike				Run: SUB-C97955				03/11/08 21:37
Radium 226	2.9	pCi/g-dry	0.10	81	70	130			
Sample ID: C08020894-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C97955				03/11/08 21:37
Radium 226	2.9	pCi/g-dry	0.10	78	70	130	1.8	22.3	
Sample ID: LCS-17899	Laboratory Control Sample				Run: SUB-C97955				03/11/08 21:37
Radium 226	12	pCi/L	0.40	92	70	130			
Sample ID: MB-17899	Method Blank				Run: SUB-C97955				03/11/08 21:37
Radium 226	-0.3	pCi/L							
Method: E907.0									Batch: C_17899
Sample ID: C08020775-086CMS	Sample Matrix Spike				Run: SUB-C98651				03/14/08 14:45
Thorium 230	4.80	pCi/g-dry	0.10	93	70	130			
Sample ID: C08020775-086CMSD	Sample Matrix Spike Duplicate				Run: SUB-C98651				03/14/08 14:45
Thorium 230	5.04	pCi/g-dry	0.10	107	70	130	4.8	30	
Sample ID: LCS-17899	Laboratory Control Sample				Run: SUB-C98651				03/14/08 14:45
Thorium 230	50.2	pCi/Filter	0.20	102	70	130			
Sample ID: MB-17899	Method Blank				Run: SUB-C98651				03/14/08 14:45
Thorium 230	0.1	pCi/g-dry							

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
R - RPD exceeds advisory limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: C_R98209
Sample ID: LCS-R98209	Laboratory Control Sample				Run: SUB-C98209				02/29/08 14:00
Thorium 230	7.40	pCi/L	0.20	104	70	130			
Sample ID: C08020617-006FMS	Sample Matrix Spike				Run: SUB-C98209				02/29/08 14:00
Thorium 230	15.5	pCi/L	0.20	95	70	130			
Sample ID: C08020617-006FMSD	Sample Matrix Spike Duplicate				Run: SUB-C98209				02/29/08 14:00
Thorium 230	14.6	pCi/L	0.20	89	70	130	6.0	30	
Sample ID: MB-R98209	Method Blank				Run: SUB-C98209				02/29/08 14:00
Thorium 230	0.1	pCi/L							
Method: E909.0M									Batch: C_17899
Sample ID: R08020220-005I	Sample Matrix Spike				Run: SUB-C97876				03/04/08 09:45
Lead 210	1000	pCi/L	1.0	87	70	130			
Sample ID: R08020220-005I	Sample Matrix Spike Duplicate				Run: SUB-C97876				03/04/08 09:45
Lead 210	670	pCi/L	1.0	56	70	130	43	30	SR
- MSD response is outside of the acceptance range for this analysis. Since the LCS, MB, and MS are acceptable the batch is approved.									
Sample ID: MB-R97876	Method Blank				Run: SUB-C97876				03/04/08 09:45
Lead 210	ND	pCi/L							
Sample ID: LCS-R97876	Laboratory Control Sample				Run: SUB-C97876				03/04/08 09:45
Lead 210	110	pCi/L	1.0	96	70	130			
Method: E909.0M									Batch: C_R97515
Sample ID: R08020220-004H	Sample Matrix Spike				Run: SUB-C97515				02/26/08 09:30
Lead 210	620	pCi/L	1.0	103	70	130			
Sample ID: R08020220-004H	Sample Matrix Spike Duplicate				Run: SUB-C97515				02/26/08 09:30
Lead 210	530	pCi/L	1.0	88	70	130	15	30	
Sample ID: MB-R97515	Method Blank				Run: SUB-C97515				02/26/08 09:30
Lead 210	ND	pCi/L	1						
Sample ID: LCS-R97515	Laboratory Control Sample				Run: SUB-C97515				02/26/08 09:30
Lead 210	110	pCi/L	1.0	93	70	130			

Qualifiers:

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

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 05/08/08
Work Order: R08020220

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RMO-3008									Batch: C_17899
Sample ID: R08020220-004I	Sample Matrix Spike				Run: SUB-C97991				03/06/08 14:45
Polonium 210	82	pCi/L	1.0	75	70	130			
Sample ID: R08020220-004I	Sample Matrix Spike Duplicate				Run: SUB-C97991				03/06/08 14:45
Polonium 210	96	pCi/L	1.0	88	70	130	16	30	
Sample ID: LCS-17899	Laboratory Control Sample				Run: SUB-C97991				03/06/08 14:45
Polonium 210	150	pCi/L	1.0	68	70	130			S
- LCS response is outside of the acceptance range for this analysis. Since the MS, MSD and the RPD for the MS MSD pair are acceptable the batch is approved.									
Sample ID: MB-17899	Method Blank				Run: SUB-C97991				03/06/08 14:45
Polonium 210	0.3	pCi/L							
Method: RMO-3008									Batch: C_R97982
Sample ID: R08020220-005H	Sample Matrix Spike				Run: SUB-C97982				02/27/08 13:30
Polonium 210	160	pCi/L	1.0	70	70	130			
Sample ID: R08020220-005H	Sample Matrix Spike Duplicate				Run: SUB-C97982				02/27/08 13:30
Polonium 210	170	pCi/L	1.0	74	70	130	6.4	30	
Sample ID: LCS-R97982	Laboratory Control Sample				Run: SUB-C97982				02/27/08 13:30
Polonium 210	78	pCi/L	1.0	68	70	130			S
- LCS response is outside of the acceptance range for this analysis. Since the MS, MSD and the RPD for the MS MSD pair are acceptable the batch is approved.									
Sample ID: MB-R97982	Method Blank				Run: SUB-C97982				02/27/08 13:30
Polonium 210	2	pCi/L							

Qualifiers:

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

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:
RESPEC	PowerTech Dewey Burdock	State: SD	Yes ☐ No ☐
Report Mail Address:	**Contact Name:** Phone/Fax:	**Email:**	**Sampler: (Please Print)**
RESPEC	cory.foreman@respec.com		Eric Krantz
Invoice Address:	**Invoice Contact & Phone:**	**Purchase Order:**	**Quote/Bottle Order:**
RESPEC	"		

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

☐ DW ☐ GSA ☐ POTW/WWTP ☐ State: _____ ☐ Other: _____

☐ A2LA ☐ EDD/EDT (Electronic Data) Format: _____ ☐ LEVEL IV ☐ NELAC

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

ANALYSIS REQUESTED

As per Quote

SEE ATTACHED

Normal Turnaround (TAT)

RUSH

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

Comments: GW

Shipped by:

Cooler ID(s):

Receipt Temp 0.1 °C

On Ice: (Yes) No

Custody Seal Y N
Intact Y N
Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX														
1	Dew Burd GW7002	02/20/08	0830	W												Set 14	LABORATORY USE ONLY	0802022001
2	Dew Burd GW7	02/20/08	0845	W												Set 10		002
3	Dew Burd GW631	02/20/08	1355	W												Set 1		003
4	Dew Burd GW13	02/20/08	1441	W												Set 6		004
5	Dew Burd GW628	02/20/08	1830	W												Set 4		005
6																		
7																		
8																		
9																		
10																		

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Eric Krantz	02/21/08 09:25				
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
			Received by Laboratory: Linda Carson	Date/Time: 2/21/08 0925	Signature:

Sample Disposal: Return to Client: _____ Lab Disposal: _____

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.

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ANALYTICAL SUMMARY REPORT

August 04, 2008

Cory Foreman
RESPEC Inc
3824 Jet Dr
Rapid City, SD 57701-

Workorder No.: R08030154 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 2 samples from RESPEC Inc on 3/13/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08030154-001	DewBurd GW135	03/13/08 12:15	03/13/08	Aqueous	Metals by ICP/ICPMS, Dissolved Alkalinity Anion - Cation Balance Conductivity Anions by Ion Chromatography Nitrogen, Ammonia pH Dissolved Filtration Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Polonium 210, Dissolved Radium 226, Dissolved Radon 222 Thorium, Isotopic Sodium Adsorption Ratio Solids, Total Dissolved
R08030154-002	DewBurd GW135	03/13/08 11:45	03/13/08	Aqueous	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: Linda Larson

Rapid City - Project Manager

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Date: *04-Aug-08*

CLIENT: RESPEC Inc
Project: Edgemont
Sample Delivery Group: R08030154

CASE NARRATIVE

This case narrative is used to explain any exceptions to the analyses performed for your sample(s). In accordance with Good Analytical Laboratory Practices (GALP), samples requiring data qualifiers or analytical modifications are explained herein.

This report is being re-issued due to a change in the report that was made following the original issuance of the report. The reason for this re-issuance is due to the following.
- Site ID needs to be GW 135 per Eric Krantz with ReSepc

All samples were analyzed in accordance with prescribed methodology, except were noted. Samples are accompanied by appropriate quality assurance/quality control (QA/QC) samples throughout the analytical process.

If you have questions regarding this information, please feel free to contact us at (888)672-1225, (605)342-1225 or rapid_city@energylab.com.

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LABORATORY ANALYTICAL REPORT

Revised Date: 08/04/08
Client: RESPEC Inc
Report Date: 05/08/08
Project: Edgemont
Collection Date: 03/13/08 12:15
Lab ID: R08030154-001
Date Received: 03/13/08
Client Sample ID: DewBurd GW135
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	254	mg/L		5		1	A2320 B	03/19/08 14:11/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	03/19/08 14:11/sn
Bicarbonate as HCO3	310	mg/L		5		1	A2320 B	03/19/08 14:11/sn
Calcium	292	mg/L		0.5		2	E200.7	03/25/08 14:14/eli-c
Chloride	19	mg/L		1		1	E300.0	03/14/08 15:24/jmh
Fluoride	0.2	mg/L		0.1		1	E300.0	03/14/08 15:24/jmh
Magnesium	149	mg/L		0.5		2	E200.7	03/25/08 14:14/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	03/14/08 16:45/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	03/14/08 15:24/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	03/14/08 15:24/jmh
Potassium	20.1	mg/L		0.5		2	E200.7	03/25/08 14:14/eli-c
Silica	8.0	mg/L		0.5		2	E200.7	03/25/08 14:14/eli-c
Sodium	185	mg/L	D	2		2	E200.7	03/25/08 14:14/eli-c
Sulfate	1460	mg/L	D	3		50	E300.0	03/14/08 15:09/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2700	umhos/cm		5.0		1	A2510 B	03/18/08 16:38/jmh
pH	7.40	s.u.		0.01		1	A4500-H B	03/18/08 16:24/jmh
Sodium Adsorption Ratio (SAR)	2.2	unitless		0.10		1	Calculation	04/05/08 15:09/ADM
Solids, Total Dissolved TDS @ 180 C	2400	mg/L		5		1	A2540 C	03/14/08 14:36/sn
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	03/25/08 14:14/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	03/28/08 15:49/eli-c
Barium	ND	mg/L		0.1		2	E200.7	03/25/08 14:14/eli-c
Boron	ND	mg/L		0.1		2	E200.7	03/25/08 14:14/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	03/28/08 15:49/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	03/25/08 14:14/eli-c
Copper	ND	mg/L		0.01		1	E200.8	03/28/08 15:49/eli-c
Iron	6.64	mg/L		0.03		2	E200.7	03/25/08 14:14/eli-c
Lead	ND	mg/L		0.001		1	E200.8	03/28/08 15:49/eli-c
Manganese	0.13	mg/L		0.01		2	E200.7	03/25/08 14:14/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	03/28/08 15:49/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	03/25/08 14:14/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	03/28/08 15:49/eli-c
Selenium	0.002	mg/L		0.001		1	E200.8	03/28/08 15:49/eli-c
Silver	ND	mg/L		0.005		1	E200.8	03/28/08 15:49/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	03/28/08 15:49/eli-c

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.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Revised Date: 08/04/08
Client: RESPEC Inc
Report Date: 05/08/08
Project: Edgemont
Collection Date: 03/13/08 12:15
Lab ID: R08030154-001
Date Received: 03/13/08
Client Sample ID: DewBurd GW135
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.0164	mg/L		0.0003		1	E200.8	03/28/08 15:49/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	03/25/08 14:14/eli-c
Zinc	0.01	mg/L		0.01		2	E200.7	03/25/08 14:14/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	66.5	pCi/L				1	E900.0	03/27/08 02:05/eli-c
Gross Alpha precision (±)	7.8	pCi/L				1	E900.0	03/27/08 02:05/eli-c
Gross Alpha MDC	5.8	pCi/L				1	E900.0	03/27/08 02:05/eli-c
Gross Beta	28.5	pCi/L				1	E900.0	03/27/08 02:05/eli-c
Gross Beta precision (±)	5.7	pCi/L				1	E900.0	03/27/08 02:05/eli-c
Gross Beta MDC	8.6	pCi/L				1	E900.0	03/27/08 02:05/eli-c
Lead 210	0.3	pCi/L		1.0		1	E909.0M	03/17/08 05:45/eli-c
Lead 210 precision (±)	1.0	pCi/L				1	E909.0M	03/17/08 05:45/eli-c
Polonium 210	0.6	pCi/L		1.0		1	RMO-3008	03/25/08 15:00/eli-c
Polonium 210 precision (±)	1.4	pCi/L				1	RMO-3008	03/25/08 15:00/eli-c
Radium 226	2.3	pCi/L		0.2		1	E903.0	03/24/08 14:23/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	03/24/08 14:23/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	03/24/08 14:23/eli-c
Thorium 230	1.8	pCi/L		0.2		1	E907.0	03/31/08 14:00/eli-c
Thorium 230 precision (±)	0.8	pCi/L				1	E907.0	03/31/08 14:00/eli-c
Gross Gamma	90	pCi/L		20		1	E901.1	03/14/08 16:57/eli-c
Gross Gamma precision (±)	34	pCi/L				1	E901.1	03/14/08 16:57/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	948	pCi/L		100		1	D5072-92	03/15/08 10:08/eli-c
Radon 222 precision (±)	57.3	pCi/L				1	D5072-92	03/15/08 10:08/eli-c
DATA QUALITY								
A/C Balance (± 5)	-0.798	%				1	A1030 E	05/05/08 09:27/krs
Anions	35.9	meq/L				1	A1030 E	05/05/08 09:27/krs
Cations	35.4	meq/L				1	A1030 E	05/05/08 09:27/krs
Solids, Total Dissolved Calculated	2280	mg/L				1	A1030 E	05/05/08 09:27/krs
TDS Balance (0.80 - 1.20)	1.07	dec. %				1	A1030 E	05/05/08 09:27/krs

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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LABORATORY ANALYTICAL REPORT

Revised Date: 08/04/08
Report Date: 05/08/08
Collection Date: 03/13/08 11:45
Date Received: 03/13/08
Matrix: AQUEOUS

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030154-002
Client Sample ID: DewBurd GW135

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	12	mg/L		5		1	A2320 B	03/19/08 14:13/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	03/19/08 14:13/sn
Bicarbonate as HCO3	15	mg/L		5		1	A2320 B	03/19/08 14:13/sn
Calcium	ND	mg/L		0.5		2	E200.7	03/25/08 14:17/eli-c
Chloride	2	mg/L		1		1	E300.0	03/14/08 15:55/jmh
Fluoride	ND	mg/L		0.1		1	E300.0	03/14/08 15:55/jmh
Magnesium	ND	mg/L		0.5		2	E200.7	03/25/08 14:17/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	03/14/08 16:48/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	03/14/08 15:55/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	03/14/08 15:55/jmh
Potassium	ND	mg/L		0.5		2	E200.7	03/25/08 14:17/eli-c
Silica	ND	mg/L		0.5		2	E200.7	03/25/08 14:17/eli-c
Sodium	12	mg/L	D	2		2	E200.7	03/25/08 14:17/eli-c
Sulfate	39	mg/L		1		1	E300.0	03/14/08 15:55/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	131	umhos/cm		5.0		1	A2510 B	03/18/08 16:39/jmh
pH	6.49	s.u.		0.01		1	A4500-H B	03/18/08 16:27/jmh
Sodium Adsorption Ratio (SAR)	NA	unitless		0.10		1	Calculation	05/05/08 00:00/krs
Solids, Total Dissolved TDS @ 180 C	92	mg/L		5		1	A2540 C	03/14/08 14:37/sn
- Calcium and magnesium concentrations are less than detectable. SAR cannot be calculated for this sample (divide by 0).								
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	03/25/08 14:17/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	04/18/08 17:34/eli-c
Barium	ND	mg/L		0.1		2	E200.7	03/25/08 14:17/eli-c
Boron	ND	mg/L		0.1		2	E200.7	03/25/08 14:17/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/18/08 17:34/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	03/25/08 14:17/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/18/08 17:34/eli-c
Iron	ND	mg/L		0.03		2	E200.7	03/25/08 14:17/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/18/08 17:34/eli-c
Manganese	ND	mg/L		0.01		2	E200.7	03/25/08 14:17/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	04/18/08 17:34/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	03/25/08 14:17/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/18/08 17:34/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	04/18/08 17:34/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/18/08 17:34/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	04/18/08 17:34/eli-c

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

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LABORATORY ANALYTICAL REPORT

Revised Date: 08/04/08
Client: RESPEC Inc
Report Date: 05/08/08
Project: Edgemont
Collection Date: 03/13/08 11:45
Lab ID: R08030154-002
Date Received: 03/13/08
Client Sample ID: DewBurd GW135
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	ND	mg/L		0.0003		1	E200.8	04/18/08 17:34/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	03/25/08 14:17/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	03/25/08 14:17/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	2.5	pCi/L				1	E900.0	03/27/08 02:05/eli-c
Gross Alpha precision (±)	0.6	pCi/L				1	E900.0	03/27/08 02:05/eli-c
Gross Alpha MDC	0.7	pCi/L				1	E900.0	03/27/08 02:05/eli-c
Gross Beta	0.0	pCi/L	U			1	E900.0	03/27/08 02:05/eli-c
Gross Beta precision (±)	1.5	pCi/L				1	E900.0	03/27/08 02:05/eli-c
Gross Beta MDC	2.4	pCi/L				1	E900.0	03/27/08 02:05/eli-c
Lead 210	3.9	pCi/L		1.0		1	E909.0M	03/17/08 05:45/eli-c
Lead 210 precision (±)	1.4	pCi/L				1	E909.0M	03/17/08 05:45/eli-c
Polonium 210	0.7	pCi/L		1.0		1	RMO-3008	03/25/08 15:00/eli-c
Polonium 210 precision (±)	1.2	pCi/L				1	RMO-3008	03/25/08 15:00/eli-c
Radium 226	-0.12	pCi/L	U			1	E903.0	03/24/08 14:23/eli-c
Radium 226 precision (±)	0.06	pCi/L				1	E903.0	03/24/08 14:23/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	03/24/08 14:23/eli-c
Thorium 230	0.2	pCi/L		0.2		1	E907.0	03/31/08 14:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	03/31/08 14:00/eli-c
Gross Gamma	ND	pCi/L		20		1	E901.1	03/14/08 16:57/eli-c
Gross Gamma precision (±)	ND	pCi/L				1	E901.1	03/14/08 16:57/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	218	pCi/L		100		1	D5072-92	03/15/08 10:08/eli-c
Radon 222 precision (±)	48.5	pCi/L				1	D5072-92	03/15/08 10:08/eli-c
DATA QUALITY								
A/C Balance (± 5)	-33.6	%				1	A1030 E	05/05/08 09:38/krs
Anions	1.10	meq/L				1	A1030 E	05/05/08 09:38/krs
Cations	0.547	meq/L				1	A1030 E	05/05/08 09:38/krs
Solids, Total Dissolved Calculated	61.0	mg/L				1	A1030 E	05/05/08 09:38/krs
TDS Balance (0.80 - 1.20)	1.51	dec. %				1	A1030 E	05/05/08 09:38/krs

- The Ion and TDS balances may not calculate within acceptable values for near blank results.

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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QA/QC Summary Report

Revised Date: 08/04/08
Report Date: 05/08/08
Work Order: R08030154

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 080319A-ALK-SEL-W	
Sample ID: MBLK1_080319A	Method Blank				Run: PH_COND1-R_080319A			03/19/08 10:32	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Bicarbonate as HCO3	ND	mg/L	3						
Carbonate as CO3	ND	mg/L	3						
Sample ID: LCS1_080319A	Laboratory Control Sample				Run: PH_COND1-R_080319A			03/19/08 10:36	
Alkalinity, Total as CaCO3	1000	mg/L	5.0	101	90	110			
Sample ID: R08030162-002AMS	Sample Matrix Spike				Run: PH_COND1-R_080319A			03/19/08 14:24	
Alkalinity, Total as CaCO3	322	mg/L	5.0	92	80	120			
Sample ID: R08030162-002AMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_080319A			03/19/08 14:26	
Alkalinity, Total as CaCO3	318	mg/L	5.0	89	80	120	1.3	10	
Method: A2510 B								Batch: 080318_1_COND-PROBE-W	
Sample ID: LCS1-1_080318	Laboratory Control Sample				Run: PH_COND2-R_080318A			03/18/08 16:33	
Conductivity @ 25 C	144	umhos/cm	5.0	96	90	110			
Sample ID: LCS2-1_080318	Laboratory Control Sample				Run: PH_COND2-R_080318A			03/18/08 16:34	
Conductivity @ 25 C	4800	umhos/cm	5.0	96	90	110			
Sample ID: LCS_COND-1_080318	Laboratory Control Sample				Run: PH_COND2-R_080318A			03/18/08 16:35	
Conductivity @ 25 C	1410	umhos/cm	5.0	100	90	110			
Sample ID: MBLK-1_080318	Method Blank				Run: PH_COND2-R_080318A			03/18/08 16:35	
Conductivity @ 25 C	ND	umhos/cm	5						
Sample ID: R08030146-001BDUP	Sample Duplicate				Run: PH_COND2-R_080318A			03/18/08 16:37	
Conductivity @ 25 C	1700	umhos/cm	5.0				0.6	10	
Method: A2540 C								Batch: 080314A-SLDS-TDS-W	
Sample ID: MBLK1_080314A	Method Blank				Run: BAL-4-R_080314A			03/14/08 10:05	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: LCS1_080314A	Laboratory Control Sample				Run: BAL-4-R_080314A			03/14/08 10:06	
Solids, Total Dissolved TDS @ 180 C	210	mg/L	5.0	105	90	110			
Sample ID: R08030152-007BMS	Sample Matrix Spike				Run: BAL-4-R_080314A			03/14/08 14:35	
Solids, Total Dissolved TDS @ 180 C	220	mg/L	5.0	104	80	120			
Sample ID: R08030152-007BMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080314A			03/14/08 14:36	
Solids, Total Dissolved TDS @ 180 C	220	mg/L	5.0	105	80	120	0.9	10	

Qualifiers:

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ND - Not detected at the reporting limit.

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QA/QC Summary Report

Revised Date: 08/04/08
Report Date: 05/08/08
Work Order: R08030154

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B									Batch: 080318_1_PH-W
Sample ID: LCS_pH-1_080318	Laboratory Control Sample				Run: PH_COND2-R_080318A				03/18/08 16:06
pH	6.92	s.u.	0.010	101	98.55	101.45			
Sample ID: R08030146-001BDUP	Sample Duplicate				Run: PH_COND2-R_080318A				03/18/08 16:24
pH	8.01	s.u.	0.010				0.9	1.25	
Method: A4500-NH3 G									Batch: A2008-03-14_2_NH3_01
Sample ID: MBLK-2	Method Blank				Run: TECHAA2-R_080314A				03/14/08 14:45
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_080314A				03/14/08 14:46
Nitrogen, Ammonia as N	0.23	mg/L	0.10	92	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_080314A				03/14/08 14:47
Nitrogen, Ammonia as N	0.23	mg/L	0.10	92	90	110			
Sample ID: R08030073-004BDUP	Sample Duplicate				Run: TECHAA2-R_080314A				03/14/08 16:17
Nitrogen, Ammonia as N	23000	mg/L	530				1.5	10	
Sample ID: R08030154-001BMS	Sample Matrix Spike				Run: TECHAA2-R_080314A				03/14/08 16:46
Nitrogen, Ammonia as N	0.30	mg/L	0.10	90	80	120			
Sample ID: R08030154-001BMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080314A				03/14/08 16:47
Nitrogen, Ammonia as N	0.29	mg/L	0.10	83	80	120	5.8	10	
Method: D5072-92									Batch: C_R98200
Sample ID: R08030154-002G	Sample Duplicate				Run: SUB-C98200				03/15/08 10:08
Radon 222	235	pCi/L	100				7.2	30	
Sample ID: MB-R98200	Method Blank				Run: SUB-C98200				03/15/08 10:08
Radon 222	-20	pCi/L							
Sample ID: LCS-R98200	Laboratory Control Sample				Run: SUB-C98200				03/15/08 10:08
Radon 222	304	pCi/L	100	100	70	130			

Qualifiers:

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QA/QC Summary Report

Revised Date: 08/04/08
Report Date: 05/08/08
Work Order: R08030154

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R98618
Sample ID: MB-080325A	Method Blank				Run: SUB-C98618				03/25/08 13:28
Silica	ND	mg/L	0.02						
Aluminum	ND	mg/L	0.004						
Barium	ND	mg/L	0.006						
Boron	ND	mg/L	0.008						
Calcium	ND	mg/L	0.1						
Chromium	ND	mg/L	0.002						
Iron	ND	mg/L	0.005						
Magnesium	ND	mg/L	0.04						
Manganese	ND	mg/L	0.0003						
Molybdenum	ND	mg/L	0.003						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Vanadium	0.003	mg/L	0.003						
Zinc	ND	mg/L	0.002						
Sample ID: LFB-080325A	Laboratory Fortified Blank				Run: SUB-C98618				03/25/08 13:31
Silica	1.0	mg/L	0.10	103	85	125			
Aluminum	1.0	mg/L	0.10	100	85	125			
Barium	1.0	mg/L	0.10	100	85	125			
Boron	1.0	mg/L	0.10	102	85	125			
Calcium	48	mg/L	0.50	97	85	125			
Chromium	1.00	mg/L	0.050	100	85	125			
Iron	0.99	mg/L	0.030	99	85	125			
Magnesium	48	mg/L	0.50	97	85	125			
Manganese	1.0	mg/L	0.010	102	85	125			
Molybdenum	1.00	mg/L	0.10	100	85	125			
Potassium	48	mg/L	0.50	96	85	125			
Sodium	47	mg/L	0.77	94	85	125			
Vanadium	1.00	mg/L	0.10	100	85	125			
Zinc	1.00	mg/L	0.010	100	85	125			
Sample ID: C08030721-004EMS2	Sample Matrix Spike				Run: SUB-C98618				03/25/08 14:34
Aluminum	20.2	mg/L	0.10	99	70	130			
Barium	25.8	mg/L	0.12	99	70	130			
Boron	34.5	mg/L	0.17	104	70	130			
Chromium	20.7	mg/L	0.050	102	70	130			
Iron	20.3	mg/L	0.095	99	70	130			
Manganese	20.8	mg/L	0.010	102	70	130			
Molybdenum	20.7	mg/L	0.10	102	70	130			
Vanadium	20.8	mg/L	0.10	102	70	130			
Zinc	20.4	mg/L	0.044	100	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Revised Date: 08/04/08
Report Date: 05/08/08
Work Order: R08030154

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R98618
Sample ID: C08030721-004EMS2	Sample Matrix Spike				Run: SUB-C98618				03/25/08 14:34
Calcium	1010	mg/L	2.1	98	70	130			
Magnesium	987	mg/L	0.74	97	70	130			
Potassium	1020	mg/L	0.50	98	70	130			
Silica	93.7	mg/L	0.41	99	70	130			
Sodium	3470	mg/L	15	87	70	130			
Sample ID: C08030721-004EMSD2	Sample Matrix Spike Duplicate				Run: SUB-C98618				03/25/08 14:37
Aluminum	20.1	mg/L	0.10	99	70	130	0.3	20	
Barium	25.8	mg/L	0.12	99	70	130	0.2	20	
Boron	34.6	mg/L	0.17	105	70	130	0.4	20	
Chromium	20.3	mg/L	0.050	99	70	130	2.4	20	
Iron	20.2	mg/L	0.095	99	70	130	0.5	20	
Manganese	20.5	mg/L	0.010	100	70	130	1.5	20	
Molybdenum	20.6	mg/L	0.10	101	70	130	0.8	20	
Vanadium	20.2	mg/L	0.10	99	70	130	3.0	20	
Zinc	20.2	mg/L	0.044	99	70	130	1.1	20	
Calcium	1000	mg/L	2.1	98	70	130	0.3	20	
Magnesium	996	mg/L	0.74	98	70	130	0.9	20	
Potassium	1030	mg/L	0.50	98	70	130	0.2	20	
Silica	92.7	mg/L	0.41	94	70	130	1.1	20	
Sodium	3500	mg/L	15	90	70	130	0.8	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Revised Date: 08/04/08
Report Date: 05/08/08
Work Order: R08030154

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R98784
Sample ID: LRB	Method Blank				Run: SUB-C98784				03/28/08 12:09
Arsenic	ND	mg/L	6E-05						
Cadmium	ND	mg/L	1E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Mercury	ND	mg/L	8E-05						
Nickel	ND	mg/L	0.0007						
Selenium	ND	mg/L	0.0002						
Silver	0.0007	mg/L	3E-05						
Thorium 232	ND	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C98784				03/28/08 12:15
Arsenic	0.0503	mg/L	0.0010	101	85	115			
Cadmium	0.0511	mg/L	0.0010	102	85	115			
Copper	0.0506	mg/L	0.0010	101	85	115			
Lead	0.0501	mg/L	0.0010	100	85	115			
Mercury	0.00511	mg/L	0.0010	102	85	115			
Nickel	0.0506	mg/L	0.0010	101	85	115			
Selenium	0.0514	mg/L	0.0010	103	85	115			
Silver	0.0191	mg/L	0.0010	92	85	115			
Thorium 232	0.0502	mg/L	0.0010	100	85	115			
Uranium	0.0502	mg/L	0.00030	100	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Revised Date: 08/04/08
Client: RESPEC Inc
Report Date: 05/08/08
Project: Edgemont
Work Order: R08030154

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R99837
Sample ID: LRB	Method Blank				Run: SUB-C99837				04/18/08 12:51
Arsenic	ND	mg/L	6E-05						
Cadmium	3E-05	mg/L	1E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Mercury	ND	mg/L	8E-05						
Nickel	ND	mg/L	0.0007						
Selenium	ND	mg/L	0.0002						
Silver	ND	mg/L	3E-05						
Thorium 232	0.0001	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C99837				04/18/08 12:58
Arsenic	0.0526	mg/L	0.0010	105	85	115			
Cadmium	0.0520	mg/L	0.0010	104	85	115			
Copper	0.0539	mg/L	0.0010	108	85	115			
Lead	0.0524	mg/L	0.0010	105	85	115			
Mercury	0.00529	mg/L	0.0010	106	85	115			
Nickel	0.0530	mg/L	0.0010	106	85	115			
Selenium	0.0518	mg/L	0.0010	104	85	115			
Silver	0.0204	mg/L	0.0010	102	85	115			
Thorium 232	0.0515	mg/L	0.0010	103	85	115			
Uranium	0.0513	mg/L	0.00030	103	85	115			
Sample ID: R08040002-002C	Post Digestion Spike				Run: SUB-C99837				04/18/08 17:55
Arsenic	0.0615	mg/L	0.0010	107	70	130			
Cadmium	0.0498	mg/L	0.010	99	70	130			
Copper	0.0509	mg/L	0.010	98	70	130			
Lead	0.0501	mg/L	0.050	100	70	130			
Mercury	0.00515	mg/L	0.0010	101	70	130			
Nickel	0.0543	mg/L	0.050	95	70	130			
Selenium	0.0547	mg/L	0.0010	109	70	130			
Silver	0.00890	mg/L	0.010	45	70	130			S
Thorium 232	0.0521	mg/L	0.0010	104	70	130			
Uranium	0.106	mg/L	0.00030	97	70	130			
Sample ID: R08040002-002C	Post Digestion Spike Duplicate				Run: SUB-C99837				04/18/08 18:01
Arsenic	0.0598	mg/L	0.0010	104	70	130	2.8	20	
Cadmium	0.0485	mg/L	0.010	97	70	130	2.6	20	
Copper	0.0490	mg/L	0.010	94	70	130	3.8	20	
Lead	0.0506	mg/L	0.050	101	70	130	1.0	20	
Mercury	0.00528	mg/L	0.0010	103	70	130	2.5	20	

Qualifiers:

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

QA/QC Summary Report

Revised Date: 08/04/08
Client: RESPEC Inc
Report Date: 05/08/08
Project: Edgemont
Work Order: R08030154

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R99837
Sample ID: R08040002-002C	Post Digestion Spike Duplicate				Run: SUB-C99837				04/18/08 18:01
Nickel	0.0525	mg/L	0.050	92	70	130	3.3	20	
Selenium	0.0510	mg/L	0.0010	102	70	130	6.9	20	
Silver	0.00834	mg/L	0.010	42	70	130	0.0	20	S
Thorium 232	0.0523	mg/L	0.0010	104	70	130	0.5	20	
Uranium	0.106	mg/L	0.00030	99	70	130	0.8	20	
Method: E300.0									Batch: R33818
Sample ID: LFB0803141400-3	Laboratory Fortified Blank				Run: DIONEX_080314A				03/14/08 13:36
Chloride	4.73	mg/L	0.50	95	90	110			
Fluoride	2.02	mg/L	0.10	101	90	110			
Nitrogen, Nitrate as N	2.31	mg/L	0.10	92	90	110			
Nitrogen, Nitrite as N	2.43	mg/L	0.10	97	90	110			
Sulfate	14.0	mg/L	1.0	93	90	110			
Sample ID: LFB0803141400-4	Laboratory Fortified Blank				Run: DIONEX_080314A				03/14/08 13:52
Chloride	4.85	mg/L	0.50	97	90	110			
Fluoride	2.07	mg/L	0.10	103	90	110			
Nitrogen, Nitrate as N	2.37	mg/L	0.10	95	90	110			
Nitrogen, Nitrite as N	2.49	mg/L	0.10	100	90	110			
Sulfate	13.9	mg/L	1.0	93	90	110			
Sample ID: R08030146-001BMS	Sample Matrix Spike				Run: DIONEX_080314A				03/14/08 14:22
Chloride	24.7	mg/L	0.50		80	120			A
Fluoride	2.04	mg/L	0.10	84	80	120			
Nitrogen, Nitrate as N	2.33	mg/L	0.10	93	80	120			
Nitrogen, Nitrite as N	2.29	mg/L	0.10	92	80	120			
Sulfate	794	mg/L	1.0		80	120			A
Sample ID: R08030146-001BMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080314A				03/14/08 14:38
Chloride	24.5	mg/L	0.50		80	120	1.1	10	A
Fluoride	2.12	mg/L	0.10	88	80	120	3.8	10	
Nitrogen, Nitrate as N	2.38	mg/L	0.10	95	80	120	2.1	10	
Nitrogen, Nitrite as N	2.45	mg/L	0.10	98	80	120	6.8	10	
Sulfate	792	mg/L	1.0		80	120	0.2	10	A

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Revised Date: 08/04/08
Report Date: 05/08/08
Work Order: R08030154

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0									Batch: C_GrAB-0414
Sample ID: MB-GrAB-0414	Method Blank				Run: SUB-C98700				03/26/08 04:34
Gross Alpha	2	pCi/L							
Gross Beta	-0.6	pCi/L							
Sample ID: UNAT-GrAB-0414	Laboratory Control Sample				Run: SUB-C98700				03/26/08 04:35
Gross Alpha	240	pCi/L		97	70	130			
Sample ID: Cs137-GrAB-0414	Laboratory Control Sample				Run: SUB-C98700				03/26/08 04:34
Gross Beta	88	pCi/L		94	70	130			
Sample ID: C08030506-001AMS	Sample Matrix Spike				Run: SUB-C98700				03/26/08 04:35
Gross Alpha	280	pCi/L		107	70	130			
Sample ID: C08030506-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C98700				03/26/08 04:35
Gross Alpha	270	pCi/L		103	70	130	3.0	12.5	
Sample ID: C08030506-001AMS	Sample Matrix Spike				Run: SUB-C98700				03/26/08 04:34
Gross Beta	98	pCi/L		93	70	130			
Sample ID: C08030506-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C98700				03/26/08 04:34
Gross Beta	97	pCi/L		92	70	130	0.8	15.6	
Sample ID: MB-GrAB-0414	Method Blank				Run: SUB-C99071				03/26/08 04:34
Gross Alpha	2	pCi/L							
Gross Beta	-0.6	pCi/L							
Sample ID: UNAT-GrAB-0414	Laboratory Control Sample				Run: SUB-C99071				03/26/08 04:35
Gross Alpha	240	pCi/L		97	70	130			
Sample ID: Cs137-GrAB-0414	Laboratory Control Sample				Run: SUB-C99071				03/26/08 04:34
Gross Beta	88	pCi/L		94	70	130			
Sample ID: C08030506-001AMS	Sample Matrix Spike				Run: SUB-C99071				03/26/08 04:35
Gross Alpha	280	pCi/L		107	70	130			
Sample ID: C08030506-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C99071				03/26/08 04:35
Gross Alpha	270	pCi/L		103	70	130	3.0	14.6	
Sample ID: C08030506-001AMS	Sample Matrix Spike				Run: SUB-C99071				03/26/08 04:34
Gross Beta	98	pCi/L		93	70	130			
Sample ID: C08030506-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C99071				03/26/08 04:34
Gross Beta	97	pCi/L		92	70	130	0.8	15.8	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Revised Date: 08/04/08
Report Date: 05/08/08
Work Order: R08030154

Client: RESPEC Inc
Project: Edgemont

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E901.1									Batch: C_R98315
Sample ID: LCS-R98315	Laboratory Control Sample				Run: SUB-C98315				03/14/08 16:57
Americium 241	740	pCi/L	20	91	70	130			
Cesium 137	1500	pCi/L	20	105	70	130			
Potassium 40	6900	pCi/L	20	103	70	130			
Sample ID: MB-R98315	Method Blank				Run: SUB-C98315				03/14/08 16:57
Gross Gamma	ND	pCi/L							
Sample ID: R08030154-002H	Sample Duplicate				Run: SUB-C98315				03/14/08 16:57
Gross Gamma	ND	pCi/L	20				0.0	30	
Method: E903.0									Batch: C_RA226-2672
Sample ID: C08030442-001DMS	Sample Matrix Spike				Run: SUB-C98696				03/24/08 12:43
Radium 226	6.9	pCi/L		95	70	130			
Sample ID: C08030442-001DMSD	Sample Matrix Spike Duplicate				Run: SUB-C98696				03/24/08 12:43
Radium 226	9.9	pCi/L		141	70	130	35	21.6	SR
- Spike response is outside of the acceptance range for this analysis. Since the LCS, MB, and MS are acceptable, the batch is approved.									
Sample ID: MB-RA226-2672	Method Blank				Run: SUB-C98696				03/24/08 14:23
Radium 226	-0.1	pCi/L							
Sample ID: LCS-RA226-2672	Laboratory Control Sample				Run: SUB-C98696				03/24/08 14:23
Radium 226	6.7	pCi/L		108	70	130			
Method: E907.0									Batch: C_R99362
Sample ID: LCS-R99362	Laboratory Control Sample				Run: SUB-C99362				03/31/08 14:00
Thorium 230	8.20	pCi/L	0.20	116	70	130			
Sample ID: C08030555-001HMS	Sample Matrix Spike				Run: SUB-C99362				03/31/08 14:00
Thorium 230	13.7	pCi/L	0.20	121	70	130			
Sample ID: C08030555-001HMSD	Sample Matrix Spike Duplicate				Run: SUB-C99362				03/31/08 14:00
Thorium 230	13.2	pCi/L	0.20	116	70	130	3.7	30	
Sample ID: MB-R99362	Method Blank				Run: SUB-C99362				03/31/08 14:00
Thorium 230	0.1	pCi/L							

Qualifiers:

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

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QA/QC Summary Report

Revised Date: 08/04/08
Client: RESPEC Inc **Report Date:** 05/08/08
Project: Edgemont **Work Order:** R08030154

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0M									Batch: C_R98516
Sample ID: C08030354-001DMS	Sample Matrix Spike				Run: SUB-C98516				03/17/08 05:45
Lead 210	500	pCi/L	1.0	82	70	130			
Sample ID: C08030354-001DMSD	Sample Matrix Spike Duplicate				Run: SUB-C98516				03/17/08 05:45
Lead 210	720	pCi/L	1.0	119	70	130	36	30	R
- The RPD for the MSD is high. The individual spike recoveries are within range, the MB is acceptable, and the LCS is within range, therefore the batch is approved.									
Sample ID: MB-R98516	Method Blank				Run: SUB-C98516				03/17/08 05:45
Lead 210	-0.6	pCi/L							
Sample ID: LCS-R98516	Laboratory Control Sample				Run: SUB-C98516				03/17/08 05:45
Lead 210	100	pCi/L	1.0	89	70	130			
Method: RMO-3008									Batch: C_R98834
Sample ID: R08030154-002H	Sample Matrix Spike				Run: SUB-C98834				03/25/08 15:00
Polonium 210	96	pCi/L	1.0	85	70	130			
Sample ID: R08030154-002H	Sample Matrix Spike Duplicate				Run: SUB-C98834				03/25/08 15:00
Polonium 210	78	pCi/L	1.0	70	70	130	20	30	
Sample ID: LCS-R98834	Laboratory Control Sample				Run: SUB-C98834				03/25/08 15:00
Polonium 210	84	pCi/L	1.0	75	70	130			
Sample ID: MB-R98834	Method Blank				Run: SUB-C98834				03/25/08 15:00
Polonium 210	1	pCi/L							

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
R - RPD exceeds advisory limit.

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Chain of Custody and Analytical Request Record

PLEASE PRINT- Provide as much information as possible.

Company Name: RESPEC	Project Name, PWS, Permit, Etc.: PowerTech Dewey Burdock	Sample Origin State: SD	EPA/State Compliance: Yes ☐ No ☐
Report Mail Address: RESPEC	Contact Name: Phone/Fax: cory.foreman@respec.com	Email:	Sampler: (Please Print) ERIC KRAFT
Invoice Address: RESPEC	Invoice Contact & Phone: cory.foreman@respec.com	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

ANALYSIS REQUESTED

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

SEE ATTACHED

Normal Turnaround (TAT)

RUSH

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

Comments: GW

Shipped by:

Cooler ID(s):

Receipt Temp 4.6 °C

On Ice: (Yes) No

Custody Seal Y N
Intact Y N
Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX																
1	DewBurd GW~~700~~ 135	03/13/08	1215	W														Set 3 Hollenbeck Domestic	R0803054-001	
2	Dew Burd GW ~~701~~ 135	03/13/08	1145	W														Set 20 Hollenbeck R.D.	-002	
3	~~EXX~~																			
4																				
5																				
6																				
7																				
8																				
9																				
10																				

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by (print): ERIC KRAFT	Date/Time: 3/13/08 14:35	Signature:	Received by (print): / Date/Time: / Signature:
Relinquished by (print):	Date/Time:	Signature:	Received by (print): / Date/Time: / Signature:
Sample Disposal: Return to Client: _____	Lab Disposal: _____		Received by laboratory: Linda Larson Date/Time: 3/12/08 1435 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.

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ANALYTICAL SUMMARY REPORT

June 15, 2008

Cory Foreman
RESPEC Inc
3824 Jet Dr
Rapid City, SD 57701-

Workorder No.: R08030253 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 2 samples from RESPEC Inc on 3/25/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08030253-001	DewBurd GW650	03/24/08 9:00	03/25/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Mercury, Total Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved
R08030253-002	DewBurd GW619	03/24/08 15:40	03/25/08	Aqueous	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:

Linda Larson
Rapid City - Project Manager

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030253-001
Client Sample ID: DewBurd GW650

Report Date: 06/15/08
Collection Date: 03/24/08 09:00
Date Received: 03/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	30	mg/L		5		1	A2320 B	03/28/08 13:36/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	03/28/08 13:36/sn
Bicarbonate as HCO3	37	mg/L		5		1	A2320 B	03/28/08 13:36/sn
Calcium	101	mg/L		0.5		2	E200.7	04/11/08 09:55/eli-c
Chloride	19	mg/L		1		1	E300.0	03/26/08 16:24/jmh
Fluoride	0.1	mg/L		0.1		1	E300.0	03/26/08 16:24/jmh
Magnesium	62.3	mg/L		0.5		2	E200.7	04/11/08 09:55/eli-c
Nitrogen, Ammonia as N	0.4	mg/L		0.1		1	A4500-NH3 G	03/28/08 14:15/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	03/26/08 16:24/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	03/26/08 16:24/jmh
Potassium	14.5	mg/L		0.5		2	E200.7	04/11/08 09:55/eli-c
Silica	0.9	mg/L		0.5		2	E200.7	04/11/08 09:55/eli-c
Sodium	121	mg/L		0.5		2	E200.7	04/11/08 09:55/eli-c
Sulfate	801	mg/L	D	3		50	E300.0	03/26/08 16:08/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1540	umhos/cm		5.0		1	A2510 B	03/26/08 11:16/jmh
Oxidation-Reduction Potential	120	mV				1	A2580 B	03/25/08 00:00/sn
pH	7.40	s.u.		0.01		1	A4500-H B	03/26/08 15:41/jmh
Sodium Adsorption Ratio (SAR)	2.3	Unitless		0.10		1	Calculation	04/11/08 09:55/krs
Solids, Total Dissolved TDS @ 180 C	1300	mg/L		5		1	A2540 C	03/31/08 08:42/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	04/11/08 09:55/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	04/28/08 20:02/eli-c
Barium	ND	mg/L		0.1		2	E200.7	04/11/08 09:55/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	04/11/08 09:55/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/28/08 20:02/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	04/11/08 09:55/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/28/08 20:02/eli-c
Iron	0.06	mg/L		0.03		2	E200.7	04/11/08 09:55/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/28/08 20:02/eli-c
Manganese	0.43	mg/L		0.01		2	E200.7	04/11/08 09:55/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	04/28/08 20:02/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	04/11/08 09:55/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/28/08 20:02/eli-c
Selenium	ND	mg/L		0.005		1	A3114 B	04/01/08 13:19/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/28/08 20:02/eli-c

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.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030253-001
Client Sample ID: DewBurd GW650

Report Date: 06/15/08
Collection Date: 03/24/08 09:00
Date Received: 03/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	04/28/08 20:02/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	04/28/08 20:02/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	04/11/08 09:55/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	04/11/08 09:55/eli-c
METALS - SUSPENDED								
Uranium	0.0033	mg/L		0.0003		1	E200.8	04/13/08 13:28/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/01/08 09:22/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/01/08 14:49/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	2.9	pCi/L				1	E900.0	04/08/08 23:36/eli-c
Lead 210	24	pCi/L	B	1.0		1	E909.0M	04/02/08 10:10/eli-c
Gross Alpha precision (±)	2.5	pCi/L				1	E900.0	04/08/08 23:36/eli-c
Gross Alpha MDC	3.9	pCi/L				1	E900.0	04/08/08 23:36/eli-c
Gross Beta	12.5	pCi/L				1	E900.0	04/08/08 23:36/eli-c
Gross Beta precision (±)	3.3	pCi/L				1	E900.0	04/08/08 23:36/eli-c
Gross Beta MDC	5.1	pCi/L				1	E900.0	04/08/08 23:36/eli-c
Polonium 210	0.4	pCi/L		1.0		1	RMO-3008	04/02/08 14:00/eli-c
Polonium 210 precision (±)	0.70	pCi/L				1	RMO-3008	04/02/08 14:00/eli-c
Lead 210 precision (±)	2.6	pCi/L				1	E909.0M	04/02/08 10:10/eli-c
Radium 226	1.4	pCi/L				1	E903.0	04/07/08 17:42/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	04/07/08 17:42/eli-c
Thorium 230	0.4	pCi/L		0.2		1	E907.0	04/07/08 14:30/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	04/07/08 14:30/eli-c
Gross Gamma	ND	pCi/L		20		1	E901.1	04/04/08 16:45/eli-c
Gross Gamma precision (±)	ND	pCi/L				1	E901.1	04/04/08 16:45/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	12	pCi/L	B	1.0		1	E909.0M	04/03/08 08:05/eli-c
Lead 210 precision (±)	1.5	pCi/L				1	E909.0M	04/03/08 08:05/eli-c
Polonium 210	1.2	pCi/L		1.0		1	RMO-3008	04/07/08 17:00/eli-c
Polonium 210 precision (±)	0.63	pCi/L				1	RMO-3008	04/07/08 17:00/eli-c
Radium 226	0.7	pCi/L				1	E903.0	04/13/08 02:59/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	04/13/08 02:59/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	04/13/08 02:59/eli-c

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030253-001
Client Sample ID: DewBurd GW650

Report Date: 06/15/08
Collection Date: 03/24/08 09:00
Date Received: 03/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Thorium 230	0.8	pCi/L		0.2		1	E907.0	04/02/08 15:30/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	04/02/08 15:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	202	pCi/L		100		1	D5072-92	03/29/08 15:38/eli-c
Radon 222 precision (±)	88.2	pCi/L				1	D5072-92	03/29/08 15:38/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	04/11/08 05:43/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	04/18/08 19:50/eli-c
Barium	ND	mg/L		0.1		1	E200.8	04/11/08 05:43/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	04/11/08 05:43/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	04/11/08 17:16/eli-c
Cadmium	ND	mg/L		0.001		1	E200.8	04/11/08 05:43/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	04/11/08 05:43/eli-c
Copper	0.08	mg/L		0.01		1	E200.8	04/11/08 22:11/eli-c
Iron	7.59	mg/L		0.03		2	E200.7	04/11/08 17:16/eli-c
Lead	0.050	mg/L		0.001		1	E200.8	04/11/08 05:43/eli-c
Manganese	0.56	mg/L		0.01		1	E200.8	04/11/08 05:43/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	04/10/08 13:55/eli-b
Molybdenum	ND	mg/L		0.01		1	E200.8	04/11/08 05:43/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/11/08 05:43/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	04/11/08 22:11/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/28/08 15:17/eli-c
Strontium	2.1	mg/L		0.1		1	E200.8	04/11/08 05:43/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	04/11/08 05:43/eli-c
Uranium	0.0004	mg/L		0.0003		1	E200.8	04/11/08 05:43/eli-c
Zinc	0.07	mg/L	D	0.03		1	E200.8	04/11/08 05:43/eli-c
DATA QUALITY								
A/C Balance (± 5)	-5.85	%				1	A1030 E	05/13/08 10:00/krs
Anions	17.8	meq/L				1	A1030 E	05/13/08 10:00/krs
Cations	15.9	meq/L				1	A1030 E	05/13/08 10:00/krs
Solids, Total Dissolved Calculated	1140	mg/L				1	A1030 E	05/13/08 10:00/krs
TDS Balance (0.80 - 1.20)	1.11	dec. %				1	A1030 E	05/13/08 10:00/krs

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030253-002
Client Sample ID: DewBurd GW619

Report Date: 06/15/08
Collection Date: 03/24/08 15:40
Date Received: 03/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	116	mg/L		5		1	A2320 B	03/28/08 13:48/sn
Carbonate as CO3	ND	mg/L		5		1	A2320 B	03/28/08 13:48/sn
Bicarbonate as HCO3	141	mg/L		5		1	A2320 B	03/28/08 13:48/sn
Calcium	343	mg/L		0.5		2	E200.7	04/11/08 10:02/eli-c
Chloride	12	mg/L		1		1	E300.0	03/26/08 16:55/jmh
Fluoride	0.3	mg/L		0.1		1	E300.0	03/26/08 16:55/jmh
Magnesium	125	mg/L		0.5		2	E200.7	04/11/08 10:02/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	03/28/08 14:18/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	03/26/08 16:55/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	03/26/08 16:55/jmh
Potassium	16.5	mg/L		0.5		2	E200.7	04/11/08 10:02/eli-c
Silica	8.0	mg/L		0.5		2	E200.7	04/11/08 10:02/eli-c
Sodium	90.3	mg/L		0.5		2	E200.7	04/11/08 10:02/eli-c
Sulfate	1310	mg/L	D	3		50	E300.0	03/26/08 16:39/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2180	umhos/cm		5.0		1	A2510 B	03/26/08 11:17/jmh
Oxidation-Reduction Potential	-80.2	mV				1	A2580 B	03/25/08 00:00/sn
pH	7.25	s.u.		0.01		1	A4500-H B	03/26/08 15:42/jmh
Sodium Adsorption Ratio (SAR)	1.1	Unitless		0.10		1	Calculation	04/11/08 10:02/krs
Solids, Total Dissolved TDS @ 180 C	2100	mg/L		5		1	A2540 C	03/31/08 08:43/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	04/11/08 10:02/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	04/28/08 20:09/eli-c
Barium	ND	mg/L		0.1		2	E200.7	04/11/08 10:02/eli-c
Boron	ND	mg/L		0.1		2	E200.7	04/11/08 10:02/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/28/08 20:09/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	04/11/08 10:02/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/28/08 20:09/eli-c
Iron	3.22	mg/L		0.03		2	E200.7	04/11/08 10:02/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/28/08 20:09/eli-c
Manganese	1.62	mg/L		0.01		2	E200.7	04/11/08 10:02/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	04/28/08 20:09/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	04/11/08 10:02/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/28/08 20:09/eli-c
Selenium	ND	mg/L		0.005		1	A3114 B	04/02/08 11:20/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/28/08 20:09/eli-c

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030253-002
Client Sample ID: DewBurd GW619

Report Date: 06/15/08
Collection Date: 03/24/08 15:40
Date Received: 03/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	04/28/08 20:09/eli-c
Uranium	0.0015	mg/L		0.0003		1	E200.8	04/28/08 20:09/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	04/11/08 10:02/eli-c
Zinc	0.03	mg/L		0.01		2	E200.7	04/11/08 10:02/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	04/13/08 13:34/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/02/08 09:52/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/02/08 11:22/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	438	pCi/L				1	E900.0	04/08/08 23:36/eli-c
Lead 210	19	pCi/L	B	1.0		1	E909.0M	04/02/08 10:10/eli-c
Gross Alpha precision (±)	19.4	pCi/L				1	E900.0	04/08/08 23:36/eli-c
Gross Alpha MDC	6.7	pCi/L				1	E900.0	04/08/08 23:36/eli-c
Gross Beta	175	pCi/L				1	E900.0	04/08/08 23:36/eli-c
Gross Beta precision (±)	7.7	pCi/L				1	E900.0	04/08/08 23:36/eli-c
Gross Beta MDC	8.5	pCi/L				1	E900.0	04/08/08 23:36/eli-c
Polonium 210	1.9	pCi/L		1.0		1	RMO-3008	04/02/08 14:00/eli-c
Polonium 210 precision (±)	1.4	pCi/L				1	RMO-3008	04/02/08 14:00/eli-c
Lead 210 precision (±)	2.3	pCi/L				1	E909.0M	04/02/08 10:10/eli-c
Radium 226	99.7	pCi/L				1	E903.0	04/07/08 17:42/eli-c
Radium 226 precision (±)	1.7	pCi/L				1	E903.0	04/07/08 17:42/eli-c
Thorium 230	0.0	pCi/L		0.2		1	E907.0	04/07/08 14:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/07/08 14:30/eli-c
Gross Gamma	25	pCi/L		20		1	E901.1	04/04/08 16:45/eli-c
Gross Gamma precision (±)	9.9	pCi/L				1	E901.1	04/04/08 16:45/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	11	pCi/L	B	1.0		1	E909.0M	04/03/08 08:05/eli-c
Lead 210 precision (±)	1.5	pCi/L				1	E909.0M	04/03/08 08:05/eli-c
Polonium 210	0.1	pCi/L		1.0		1	RMO-3008	04/07/08 17:00/eli-c
Polonium 210 precision (±)	0.29	pCi/L				1	RMO-3008	04/07/08 17:00/eli-c
Radium 226	11.4	pCi/L				1	E903.0	04/13/08 04:29/eli-c
Radium 226 precision (±)	1.1	pCi/L				1	E903.0	04/13/08 04:29/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	04/13/08 04:29/eli-c

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030253-002
Client Sample ID: DewBurd GW619

Report Date: 06/15/08
Collection Date: 03/24/08 15:40
Date Received: 03/25/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Thorium 230	0.2	pCi/L		0.2		1	E907.0	04/02/08 15:30/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	04/02/08 15:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	5580	pCi/L		100		1	D5072-92	03/29/08 15:38/eli-c
Radon 222 precision (±)	140	pCi/L				1	D5072-92	03/29/08 15:38/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	04/11/08 05:50/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	04/18/08 19:57/eli-c
Barium	ND	mg/L		0.1		1	E200.8	04/11/08 05:50/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	04/11/08 05:50/eli-c
Boron	ND	mg/L		0.1		2	E200.7	04/11/08 17:19/eli-c
Cadmium	ND	mg/L		0.001		1	E200.8	04/11/08 05:50/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	04/11/08 05:50/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/11/08 22:18/eli-c
Iron	11.9	mg/L		0.03		2	E200.7	04/11/08 17:19/eli-c
Lead	0.005	mg/L		0.001		1	E200.8	04/11/08 05:50/eli-c
Manganese	1.82	mg/L		0.01		1	E200.8	04/11/08 05:50/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	04/10/08 13:57/eli-b
Molybdenum	ND	mg/L		0.01		1	E200.8	04/11/08 05:50/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/11/08 05:50/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	04/11/08 22:18/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/28/08 15:24/eli-c
Strontium	5.2	mg/L		0.1		1	E200.8	04/11/08 05:50/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	04/11/08 05:50/eli-c
Uranium	0.0018	mg/L		0.0003		1	E200.8	04/11/08 05:50/eli-c
Zinc	0.18	mg/L	D	0.03		1	E200.8	04/11/08 05:50/eli-c
DATA QUALITY								
A/C Balance (± 5)	3.41	%				1	A1030 E	05/13/08 10:02/krs
Anions	29.9	meq/L				1	A1030 E	05/13/08 10:02/krs
Cations	32.0	meq/L				1	A1030 E	05/13/08 10:02/krs
Solids, Total Dissolved Calculated	1980	mg/L				1	A1030 E	05/13/08 10:02/krs
TDS Balance (0.80 - 1.20)	1.05	dec. %				1	A1030 E	05/13/08 10:02/krs

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/15/08
Work Order: R08030253

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2510 B									Batch: 080326_1_COND-PROBE-W
Sample ID: LCS1-1_080326	Laboratory Control Sample				Run: PH_COND2-R_080326A				03/26/08 11:04
Conductivity @ 25 C	147	umhos/cm	5.0	98	90	110			
Sample ID: LCS2-1_080326	Laboratory Control Sample				Run: PH_COND2-R_080326A				03/26/08 11:05
Conductivity @ 25 C	4700	umhos/cm	5.0	94	90	110			
Sample ID: LCS_COND-1_080326	Laboratory Control Sample				Run: PH_COND2-R_080326A				03/26/08 11:05
Conductivity @ 25 C	1410	umhos/cm	5.0	100	90	110			
Sample ID: MBLK-1_080326	Method Blank				Run: PH_COND2-R_080326A				03/26/08 11:06
Conductivity @ 25 C	ND	umhos/cm	5						
Sample ID: R08030228-001ADUP	Sample Duplicate				Run: PH_COND2-R_080326A				03/26/08 11:08
Conductivity @ 25 C	3490	umhos/cm	5.0				0.0	10	
Method: A2540 C									Batch: 080331A-SLDS-TDS-W
Sample ID: LCS1_080331A	Laboratory Control Sample				Run: BAL-4-R_080331A				03/31/08 08:28
Solids, Total Dissolved TDS @ 180 C	200	mg/L	5.0	100	90	110			
Sample ID: MBLK1_080331A	Method Blank				Run: BAL-4-R_080331A				03/31/08 08:30
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: R08030253-002AMS	Sample Matrix Spike				Run: BAL-4-R_080331A				03/31/08 08:44
Solids, Total Dissolved TDS @ 180 C	2300	mg/L	5.0	106	80	120			
Sample ID: R08030253-002AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080331A				03/31/08 08:44
Solids, Total Dissolved TDS @ 180 C	2300	mg/L	5.0	117	80	120	1.0	10	
Method: A2580 B									Batch: R33973
Sample ID: LCS_032508	Laboratory Control Sample				Run: PH_COND1-R_080325A				03/25/08 00:00
Oxidation-Reduction Potential	490	mV		102	95	105			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/15/08
Work Order: R08030253

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B								Batch: C_SE-3114-080401B	
Sample ID: MBLK	Method Blank				Run: SUB-C98917			04/01/08 13:12	
Selenium	ND	mg/L	6E-05						
Sample ID: 288-48-5	Laboratory Control Sample				Run: SUB-C98917			04/01/08 13:14	
Selenium	0.050	mg/L	0.0010	100	90	110			
Sample ID: C08031120-001EMS	Sample Matrix Spike				Run: SUB-C98917			04/01/08 13:21	
Selenium	0.054	mg/L	0.0010	108	85	115			
Sample ID: C08031120-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C98917			04/01/08 13:23	
Selenium	0.054	mg/L	0.0010	107	85	115	0.7	10	
Method: A3114 B								Batch: C_SE-3114-080402B	
Sample ID: MBLK	Method Blank				Run: SUB-C98973			04/02/08 11:16	
Selenium	ND	mg/L	6E-05						
Sample ID: 288-48-5	Laboratory Control Sample				Run: SUB-C98973			04/02/08 11:18	
Selenium	0.051	mg/L	0.0010	102	90	110			
Sample ID: C08040020-001LMS	Sample Matrix Spike				Run: SUB-C98973			04/02/08 11:24	
Selenium	0.051	mg/L	0.0010	99	85	115			
Sample ID: C08040020-001LMSD	Sample Matrix Spike Duplicate				Run: SUB-C98973			04/02/08 11:27	
Selenium	0.052	mg/L	0.0010	102	85	115	2.3	10	
Method: A3114 B								Batch: C_SEIV-3114-080401	
Sample ID: MBLK	Method Blank				Run: SUB-C98894			04/01/08 09:16	
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-48-5	Laboratory Control Sample				Run: SUB-C98894			04/01/08 09:18	
Selenium-IV	0.046	mg/L	0.0010	92	90	110			
Sample ID: C08031120-001EMS	Sample Matrix Spike				Run: SUB-C98894			04/01/08 09:24	
Selenium-IV	0.046	mg/L	0.0010	92	85	115			
Sample ID: C08031120-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C98894			04/01/08 09:27	
Selenium-IV	0.045	mg/L	0.0010	91	85	115	1.1	10	

Qualifiers:

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/15/08
Work Order: R08030253

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B								Batch: C_SEIV-3114-080402	
Sample ID: MBLK	Method Blank				Run: SUB-C98966			04/02/08 09:47	
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-48-5	Laboratory Control Sample				Run: SUB-C98966			04/02/08 09:50	
Selenium-IV	0.051	mg/L	0.0010	101	90	110			
Sample ID: C08040020-001LMS	Sample Matrix Spike				Run: SUB-C98966			04/02/08 09:56	
Selenium-IV	0.056	mg/L	0.0010	112	85	115			
Sample ID: C08040020-001LMSD	Sample Matrix Spike Duplicate				Run: SUB-C98966			04/02/08 09:58	
Selenium-IV	0.055	mg/L	0.0010	109	85	115	2.0	10	
Method: A4500-H B								Batch: 080326_1_PH-W	
Sample ID: LCS_pH-1_080326	Laboratory Control Sample				Run: PH_COND2-R_080326B			03/26/08 15:31	
pH	6.94	s.u.	0.010	101	98.55	101.45			
Sample ID: R08030252-001CDUP	Sample Duplicate				Run: PH_COND2-R_080326B			03/26/08 15:35	
pH	6.69	s.u.	0.010				0.1	1.25	
Method: A4500-NH3 G								Batch: A2008-03-28_2_NH3_01	
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_080328A			03/28/08 12:26	
Nitrogen, Ammonia as N	0.23	mg/L	0.10	92	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_080328A			03/28/08 12:27	
Nitrogen, Ammonia as N	0.23	mg/L	0.10	90	90	110			
Sample ID: MBLK-2	Method Blank				Run: TECHAA2-R_080328A			03/28/08 12:37	
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: R08030253-002BMS	Sample Matrix Spike				Run: TECHAA2-R_080328A			03/28/08 14:19	
Nitrogen, Ammonia as N	0.46	mg/L	0.10	86	80	120			
Sample ID: R08030253-002BMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080328A			03/28/08 14:21	
Nitrogen, Ammonia as N	0.47	mg/L	0.10	91	80	120	2.4	10	

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/15/08
Work Order: R08030253

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: D5072-92									Batch: C_R98853
Sample ID: C08031182-005DDUP	Sample Duplicate				Run: SUB-C98853				03/29/08 15:38
Radon 222	111	pCi/L	100				0.0	30	
Sample ID: MB-R98853	Method Blank				Run: SUB-C98853				03/29/08 15:38
Radon 222	-20	pCi/L							
Sample ID: LCS-R98853	Laboratory Control Sample				Run: SUB-C98853				03/29/08 15:38
Radon 222	300	pCi/L	100	104	70	130			
Method: E200.7									Batch: C_18151
Sample ID: MB-18151	Method Blank				Run: SUB-C99540				04/11/08 17:09
Boron	ND	mg/L	0.006						
Iron	ND	mg/L	0.005						
Sample ID: LCS-18151	Laboratory Control Sample				Run: SUB-C99540				04/11/08 17:13
Boron	0.479	mg/L	0.10	94	85	115			
Iron	0.485	mg/L	0.030	96	85	115			
Sample ID: R08030253-002D	Sample Matrix Spike				Run: SUB-C99540				04/11/08 17:23
Boron	0.562	mg/L	0.10	96	70	130			
Iron	12.2	mg/L	0.030		70	130			A
Sample ID: R08030253-002D	Sample Matrix Spike Duplicate				Run: SUB-C99540				04/11/08 17:26
Boron	0.553	mg/L	0.10	94	70	130	1.7	20	
Iron	12.1	mg/L	0.030		70	130	1.0	20	A

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/15/08
Work Order: R08030253

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R99540
Sample ID: MB-080411A	Method Blank				Run: SUB-C99540				04/11/08 09:38
Silica	ND	mg/L	0.06						
Aluminum	ND	mg/L	0.008						
Barium	ND	mg/L	0.006						
Boron	ND	mg/L	0.004						
Calcium	ND	mg/L	0.04						
Chromium	ND	mg/L	0.003						
Iron	0.003	mg/L	0.002						
Magnesium	ND	mg/L	0.04						
Manganese	0.0005	mg/L	0.0004						
Molybdenum	0.01	mg/L	0.01						
Potassium	ND	mg/L	0.08						
Sodium	ND	mg/L	0.06						
Vanadium	0.008	mg/L	0.006						
Zinc	ND	mg/L	0.004						
Sample ID: LFB-080411A	Laboratory Fortified Blank				Run: SUB-C99540				04/11/08 09:42
Silica	0.96	mg/L	0.10	96	85	125			
Aluminum	0.92	mg/L	0.10	92	85	125			
Barium	0.91	mg/L	0.10	91	85	125			
Boron	0.93	mg/L	0.10	93	85	125			
Calcium	49	mg/L	0.50	98	85	125			
Chromium	0.92	mg/L	0.050	92	85	125			
Iron	0.92	mg/L	0.030	91	85	125			
Magnesium	49	mg/L	0.50	98	85	125			
Manganese	0.90	mg/L	0.010	90	85	125			
Molybdenum	0.98	mg/L	0.10	96	85	125			
Potassium	45	mg/L	0.50	91	85	125			
Sodium	47	mg/L	0.50	94	85	125			
Vanadium	0.96	mg/L	0.10	95	85	125			
Zinc	0.93	mg/L	0.010	93	85	125			
Sample ID: C08031105-001DMS2	Sample Matrix Spike				Run: SUB-C99540				04/11/08 09:48
Aluminum	1.78	mg/L	0.10	87	70	130			
Barium	1.84	mg/L	0.10	88	70	130			
Boron	2.03	mg/L	0.10	90	70	130			
Chromium	1.80	mg/L	0.050	88	70	130			
Iron	1.80	mg/L	0.030	88	70	130			
Manganese	1.81	mg/L	0.010	87	70	130			
Molybdenum	1.93	mg/L	0.10	94	70	130			
Vanadium	1.89	mg/L	0.10	93	70	130			
Zinc	2.06	mg/L	0.010	91	70	130			

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/15/08
Work Order: R08030253

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R99540
Sample ID: C08031105-001DMS2	Sample Matrix Spike				Run: SUB-C99540				04/11/08 09:48
Calcium	245	mg/L	1.0	94	70	130			
Magnesium	148	mg/L	1.0	96	70	130			
Potassium	110	mg/L	1.0	95	70	130			
Silica	20.7	mg/L	0.12		70	130			A
Sodium	167	mg/L	1.0	96	70	130			
Sample ID: C08031105-001DMSD2	Sample Matrix Spike Duplicate				Run: SUB-C99540				04/11/08 09:52
Aluminum	1.79	mg/L	0.10	88	70	130	0.8	20	
Barium	1.87	mg/L	0.10	90	70	130	2.0	20	
Boron	2.05	mg/L	0.10	91	70	130	1.0	20	
Chromium	1.82	mg/L	0.050	89	70	130	1.1	20	
Iron	1.81	mg/L	0.030	89	70	130	0.7	20	
Manganese	1.83	mg/L	0.010	88	70	130	0.8	20	
Molybdenum	1.96	mg/L	0.10	96	70	130	1.6	20	
Vanadium	1.90	mg/L	0.10	93	70	130	0.5	20	
Zinc	2.08	mg/L	0.010	92	70	130	1.0	20	
Calcium	239	mg/L	1.0	88	70	130	2.6	20	
Magnesium	142	mg/L	1.0	90	70	130	4.2	20	
Potassium	104	mg/L	1.0	89	70	130	5.5	20	
Silica	20.8	mg/L	0.12		70	130	0.5	20	A
Sodium	161	mg/L	1.0	91	70	130	3.2	20	
Sample ID: C08040269-001CMS2	Sample Matrix Spike				Run: SUB-C99540				04/11/08 13:38
Aluminum	0.890	mg/L	0.10	84	70	130			
Barium	0.973	mg/L	0.10	86	70	130			
Boron	0.888	mg/L	0.10	85	70	130			
Calcium	124	mg/L	0.50	80	70	130			
Chromium	0.875	mg/L	0.050	86	70	130			
Iron	0.945	mg/L	0.030	86	70	130			
Magnesium	66.1	mg/L	0.50	87	70	130			
Manganese	0.921	mg/L	0.010	85	70	130			
Molybdenum	0.903	mg/L	0.10	89	70	130			
Potassium	46.0	mg/L	0.50	87	70	130			
Sodium	59.6	mg/L	0.50	88	70	130			
Vanadium	0.916	mg/L	0.10	90	70	130			
Zinc	0.922	mg/L	0.010	90	70	130			
Sample ID: C08040269-001CMSD2	Sample Matrix Spike Duplicate				Run: SUB-C99540				04/11/08 13:41
Aluminum	0.904	mg/L	0.10	86	70	130	1.5	20	
Barium	0.974	mg/L	0.10	86	70	130	0.1	20	
Boron	0.902	mg/L	0.10	87	70	130	1.5	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/15/08
Work Order: R08030253

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R99540
Sample ID: C08040269-001CMSD2	Sample Matrix Spike Duplicate				Run: SUB-C99540				04/11/08 13:41
Calcium	125	mg/L	0.50	82	70	130	0.6	20	
Chromium	0.881	mg/L	0.050	86	70	130	0.7	20	
Iron	0.957	mg/L	0.030	87	70	130	1.3	20	
Magnesium	66.6	mg/L	0.50	88	70	130	0.8	20	
Manganese	0.929	mg/L	0.010	86	70	130	0.9	20	
Molybdenum	0.935	mg/L	0.10	92	70	130	3.6	20	
Potassium	46.5	mg/L	0.50	88	70	130	1.3	20	
Sodium	60.4	mg/L	0.50	89	70	130	1.4	20	
Vanadium	0.925	mg/L	0.10	91	70	130	1.0	20	
Zinc	0.913	mg/L	0.010	90	70	130	1.0	20	

Qualifiers:

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/15/08
Work Order: R08030253

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18151
Sample ID: R08030253-002D	Post Digestion Spike				Run: SUB-C100012				04/22/08 07:47
Antimony	0.0214	mg/L	0.050	107	70	130			
Barium	0.0329	mg/L	0.10	106	70	130			
Beryllium	0.0208	mg/L	0.010	104	70	130			
Cadmium	0.0197	mg/L	0.010	98	70	130			
Chromium	0.0194	mg/L	0.050	97	70	130			
Copper	0.0337	mg/L	0.010	87	70	130			
Lead	0.0258	mg/L	0.050	102	70	130			
Manganese	1.67	mg/L	0.010		70	130			A
Molybdenum	0.0211	mg/L	0.10	104	70	130			
Nickel	0.0209	mg/L	0.050	90	70	130			
Selenium	0.141	mg/L	0.0010	705	70	130			S
Silver	0.0202	mg/L	0.010	101	70	130			
Strontium	4.79	mg/L	0.10		70	130			A
Thallium	0.0208	mg/L	0.10	104	70	130			
Uranium	0.0228	mg/L	0.00030	105	70	130			
Zinc	0.197	mg/L	0.010		70	130			A
Sample ID: R08030253-002D	Post Digestion Spike Duplicate				Run: SUB-C100012				04/22/08 07:54
Antimony	0.0209	mg/L	0.050	105	70	130	0.0	20	
Barium	0.0323	mg/L	0.10	103	70	130	0.0	20	
Beryllium	0.0209	mg/L	0.010	105	70	130	0.7	20	
Cadmium	0.0663	mg/L	0.010	331	70	130	110	20	SR
Chromium	0.0191	mg/L	0.050	95	70	130	0.0	20	
Copper	0.0665	mg/L	0.010	251	70	130	66	20	SR
Lead	0.0257	mg/L	0.050	102	70	130	0.0	20	
Manganese	1.65	mg/L	0.010		70	130	0.9	20	A
Molybdenum	0.0207	mg/L	0.10	102	70	130	0.0	20	
Nickel	0.0220	mg/L	0.050	96	70	130	0.0	20	
Selenium	0.150	mg/L	0.0010	747	70	130	5.8	20	S
Silver	0.0205	mg/L	0.010	102	70	130	1.2	20	
Strontium	4.90	mg/L	0.10		70	130	2.3	20	A
Thallium	0.0206	mg/L	0.10	103	70	130	0.0	20	
Uranium	0.0233	mg/L	0.00030	108	70	130	2.2	20	
Zinc	0.201	mg/L	0.010		70	130	2.2	20	A
Sample ID: MB-18151	Method Blank				Run: SUB-C100330				04/28/08 15:04
Antimony	ND	mg/L	0.0002						
Barium	ND	mg/L	0.0003						
Beryllium	ND	mg/L	0.0001						
Cadmium	ND	mg/L	4E-05						
Chromium	0.0002	mg/L	5E-05						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

R - RPD exceeds advisory limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/15/08
Work Order: R08030253

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18151
Sample ID: MB-18151	Method Blank				Run: SUB-C100330				04/28/08 15:04
Copper	0.01	mg/L	0.0002						
Lead	0.006	mg/L							
Manganese	0.0002	mg/L	3E-05						
Molybdenum	ND	mg/L	7E-05						
Nickel	ND	mg/L	6E-05						
Selenium	ND	mg/L	0.0002						
Silver	0.0002	mg/L	4E-05						
Strontium	ND	mg/L	8E-05						
Thallium	ND	mg/L	3E-05						
Uranium	6E-05	mg/L	3E-05						
Zinc	0.01	mg/L	0.0003						
Sample ID: LCS-18151	Laboratory Control Sample				Run: SUB-C100330				04/28/08 15:11
Copper	0.583	mg/L	0.010	115	85	115			
Molybdenum	0.562	mg/L	0.10	112	85	115			
Nickel	0.554	mg/L	0.050	111	85	115			
Silver	0.218	mg/L	0.010	109	85	115			
Strontium	0.565	mg/L	0.10	113	85	115			
Sample ID: R08030253-002D	Sample Matrix Spike				Run: SUB-C100330				04/28/08 15:31
Antimony	0.592	mg/L	0.050	118	70	130			
Barium	0.106	mg/L	0.10	19	70	130			S
Beryllium	0.596	mg/L	0.010	119	70	130			
Cadmium	0.574	mg/L	0.010	115	70	130			
Chromium	0.564	mg/L	0.050	113	70	130			
Copper	0.579	mg/L	0.010	115	70	130			
Lead	0.369	mg/L	0.050	73	70	130			
Manganese	2.48	mg/L	0.010	165	70	130			S
Molybdenum	0.556	mg/L	0.10	111	70	130			
Nickel	0.552	mg/L	0.050	110	70	130			
Selenium	0.669	mg/L	0.0020	134	70	130			S
Silver	0.0902	mg/L	0.010	45	70	130			S
Strontium	6.18	mg/L	0.10		70	130			A
Thallium	0.580	mg/L	0.10	116	70	130			
Uranium	0.582	mg/L	0.00032	116	70	130			
Zinc	0.791	mg/L	0.010	123	70	130			
Sample ID: R08030253-002D	Sample Matrix Spike Duplicate				Run: SUB-C100330				04/28/08 15:38
Antimony	0.569	mg/L	0.050	114	70	130	3.9	20	
Barium	0.105	mg/L	0.10	19	70	130	0.2	20	S
Beryllium	0.579	mg/L	0.010	116	70	130	3.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/15/08
Work Order: R08030253

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18151
Sample ID: R08030253-002D	Sample Matrix Spike Duplicate				Run: SUB-C100330				04/28/08 15:38
Cadmium	0.558	mg/L	0.010	112	70	130	2.9	20	
Chromium	0.551	mg/L	0.050	110	70	130	2.3	20	
Copper	0.565	mg/L	0.010	112	70	130	2.5	20	
Lead	0.363	mg/L	0.050	72	70	130	1.6	20	
Manganese	2.49	mg/L	0.010	169	70	130	0.6	20	S
Molybdenum	0.541	mg/L	0.10	108	70	130	2.6	20	
Nickel	0.541	mg/L	0.050	108	70	130	2.1	20	
Selenium	0.658	mg/L	0.0020	132	70	130	1.6	20	S
Silver	0.0829	mg/L	0.010	41	70	130	8.4	20	S
Strontium	5.97	mg/L	0.10		70	130	3.4	20	A
Thallium	0.567	mg/L	0.10	113	70	130	2.3	20	
Uranium	0.566	mg/L	0.00032	113	70	130	2.7	20	
Zinc	0.777	mg/L	0.010	120	70	130	1.8	20	
Sample ID: MB-18151	Method Blank				Run: SUB-C99461				04/11/08 03:42
Antimony	ND	mg/L	0.0002						
Barium	ND	mg/L	0.0003						
Beryllium	ND	mg/L	0.0001						
Cadmium	ND	mg/L	4E-05						
Chromium	ND	mg/L	5E-05						
Copper	0.0001	mg/L	0.0001						
Lead	ND	mg/L	5E-05						
Manganese	ND	mg/L	3E-05						
Molybdenum	ND	mg/L	5E-05						
Nickel	ND	mg/L	6E-05						
Selenium	ND	mg/L	0.0007						
Silver	ND	mg/L	4E-05						
Strontium	ND	mg/L	8E-05						
Thallium	ND	mg/L	3E-05						
Uranium	ND	mg/L	3E-05						
Zinc	0.03	mg/L	0.0003						
Sample ID: LCS1-18151	Laboratory Control Sample				Run: SUB-C99461				04/11/08 03:48
Antimony	0.0213	mg/L	0.050	106	80	120			
Barium	0.0209	mg/L	0.10	105	80	120			
Beryllium	0.0218	mg/L	0.010	109	80	120			
Cadmium	0.0204	mg/L	0.010	102	80	120			
Chromium	0.0220	mg/L	0.050	110	80	120			
Lead	0.0203	mg/L	0.050	101	80	120			
Manganese	0.0221	mg/L	0.010	110	80	120			
Molybdenum	0.0213	mg/L	0.10	107	80	120			

Qualifiers:

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ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/15/08
Work Order: R08030253

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18151
Sample ID: LCS1-18151	Laboratory Control Sample				Run: SUB-C99461				04/11/08 03:48
Nickel	0.0201	mg/L	0.050	100	80	120			
Silver	0.0213	mg/L	0.010	106	80	120			
Strontium	0.0109	mg/L	0.10	109	80	120			
Thallium	0.0206	mg/L	0.10	103	80	120			
Uranium	0.0208	mg/L	0.00030	104	80	120			
Zinc	0.0457	mg/L	0.010	96	80	120			
Sample ID: R08030253-002D	Post Digestion Spike				Run: SUB-C99461				04/11/08 05:57
Antimony	0.0209	mg/L	0.050	105	70	130			
Barium	0.0321	mg/L	0.10	103	70	130			
Beryllium	0.0201	mg/L	0.010	101	70	130			
Cadmium	0.0191	mg/L	0.010	95	70	130			
Chromium	0.0209	mg/L	0.050	104	70	130			
Copper	0.0490	mg/L	0.010	216	70	130			S
Lead	0.0256	mg/L	0.050	104	70	130			
Manganese	1.79	mg/L	0.010		70	130			A
Molybdenum	0.0227	mg/L	0.10	112	70	130			
Nickel	0.0253	mg/L	0.050	97	70	130			
Selenium	0.106	mg/L	0.0010	106	70	130			
Strontium	5.13	mg/L	0.10		70	130			A
Thallium	0.0208	mg/L	0.10	104	70	130			
Uranium	0.0232	mg/L	0.00030	107	70	130			
Zinc	0.201	mg/L	0.010		70	130			A
Sample ID: R08030253-002D	Post Digestion Spike Duplicate				Run: SUB-C99461				04/11/08 06:04
Antimony	0.0209	mg/L	0.050	104	70	130	0.0	20	
Barium	0.0318	mg/L	0.10	101	70	130	0.0	20	
Beryllium	0.0204	mg/L	0.010	102	70	130	1.4	20	
Cadmium	0.0194	mg/L	0.010	96	70	130	1.6	20	
Chromium	0.0209	mg/L	0.050	105	70	130	0.0	20	
Copper	0.0510	mg/L	0.010	226	70	130	4.0	20	S
Lead	0.0258	mg/L	0.050	105	70	130	0.0	20	
Manganese	1.77	mg/L	0.010		70	130	1.5	20	A
Molybdenum	0.0221	mg/L	0.10	109	70	130	0.0	20	
Nickel	0.0257	mg/L	0.050	98	70	130	0.0	20	
Selenium	0.136	mg/L	0.0010	136	70	130	25	20	SR
Strontium	4.92	mg/L	0.10		70	130	4.2	20	A
Thallium	0.0206	mg/L	0.10	103	70	130	0.0	20	
Uranium	0.0234	mg/L	0.00030	108	70	130	0.7	20	
Zinc	0.200	mg/L	0.010		70	130	0.4	20	A

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

R - RPD exceeds advisory limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/15/08
Work Order: R08030253

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18151
Sample ID: MB-18151	Method Blank				Run: SUB-C99538				04/11/08 19:49
Antimony	ND	mg/L	0.0002						
Barium	ND	mg/L	9E-05						
Beryllium	ND	mg/L	0.0001						
Cadmium	ND	mg/L	4E-05						
Chromium	5E-05	mg/L	5E-05						
Copper	0.0009	mg/L	0.0001						
Lead	9E-06	mg/L							
Manganese	0.0005	mg/L	3E-05						
Molybdenum	ND	mg/L	7E-05						
Nickel	ND	mg/L	6E-05						
Silver	ND	mg/L	4E-05						
Strontium	ND	mg/L	8E-05						
Thallium	0.0002	mg/L	4E-05						
Uranium	ND	mg/L	3E-05						
Zinc	0.02	mg/L	0.0003						
Sample ID: LCS1-18151	Laboratory Control Sample				Run: SUB-C99538				04/11/08 20:16
Antimony	0.0209	mg/L	0.050	104	80	120			
Barium	0.0217	mg/L	0.10	108	80	120			
Beryllium	0.0238	mg/L	0.010	119	80	120			
Cadmium	0.0213	mg/L	0.010	107	80	120			
Chromium	0.0214	mg/L	0.050	107	80	120			
Copper	0.0205	mg/L	0.010	98	80	120			
Lead	0.0207	mg/L	0.050	103	80	120			
Manganese	0.0222	mg/L	0.010	108	80	120			
Molybdenum	0.0213	mg/L	0.10	106	80	120			
Nickel	0.0203	mg/L	0.050	102	80	120			
Silver	0.0213	mg/L	0.010	106	80	120			
Strontium	0.0113	mg/L	0.10	113	80	120			
Thallium	0.0208	mg/L	0.10	103	80	120			
Uranium	0.0229	mg/L	0.00030	114	80	120			
Zinc	0.0408	mg/L	0.010	107	80	120			
Sample ID: R08030253-002D	Post Digestion Spike				Run: SUB-C99538				04/11/08 22:25
Antimony	0.0216	mg/L	0.050	108	70	130			
Barium	0.0331	mg/L	0.10	106	70	130			
Beryllium	0.0206	mg/L	0.010	103	70	130			
Cadmium	0.0202	mg/L	0.010	101	70	130			
Chromium	0.0206	mg/L	0.050	101	70	130			
Copper	0.0360	mg/L	0.010	150	70	130			S
Lead	0.0258	mg/L	0.050	104	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/15/08
Work Order: R08030253

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18151
Sample ID: R08030253-002D	Post Digestion Spike				Run: SUB-C99538				04/11/08 22:25
Manganese	1.79	mg/L	0.010		70	130			A
Molybdenum	0.0214	mg/L	0.10	105	70	130			
Nickel	0.0209	mg/L	0.050	95	70	130			
Selenium	0.167	mg/L	0.0010	167	70	130			S
Strontium	4.98	mg/L	0.10		70	130			A
Thallium	0.0208	mg/L	0.10	104	70	130			
Uranium	0.0244	mg/L	0.00030	113	70	130			
Zinc	0.200	mg/L	0.010		70	130			A
Sample ID: R08030253-002D	Post Digestion Spike Duplicate				Run: SUB-C99538				04/11/08 22:31
Antimony	0.0217	mg/L	0.050	108	70	130	0.0	20	
Barium	0.0334	mg/L	0.10	108	70	130	0.0	20	
Beryllium	0.0193	mg/L	0.010	96	70	130	6.6	20	
Cadmium	0.0195	mg/L	0.010	97	70	130	3.3	20	
Chromium	0.0201	mg/L	0.050	99	70	130	0.0	20	
Copper	0.0332	mg/L	0.010	136	70	130	7.9	20	S
Lead	0.0260	mg/L	0.050	105	70	130	0.0	20	
Manganese	1.75	mg/L	0.010		70	130	2.4	20	A
Molybdenum	0.0206	mg/L	0.10	101	70	130	0.0	20	
Nickel	0.0198	mg/L	0.050	90	70	130	0.0	20	
Selenium	0.150	mg/L	0.0010	150	70	130	11	20	S
Strontium	4.88	mg/L	0.10		70	130	2.0	20	A
Thallium	0.0207	mg/L	0.10	103	70	130	0.0	20	
Uranium	0.0240	mg/L	0.00030	111	70	130	1.7	20	
Zinc	0.195	mg/L	0.010		70	130	2.9	20	A
Method: E200.8									Batch: C_18171
Sample ID: MB-18171	Method Blank				Run: SUB-C99526				04/13/08 13:14
Uranium	0.00010	mg/L	2E-05						
Sample ID: LCS1-18171	Laboratory Control Sample				Run: SUB-C99526				04/13/08 13:21
Uranium	0.0509	mg/L	0.00030	97	80	120			
LCS1 was not spiked with thorium.									
Sample ID: R08030252-005K	Post Digestion Spike				Run: SUB-C99526				04/13/08 14:13
Uranium	0.0246	mg/L	0.00030	96	70	130			
Sample ID: R08030252-005K	Post Digestion Spike Duplicate				Run: SUB-C99526				04/13/08 14:40
Uranium	0.0243	mg/L	0.00030	95	70	130	1.1	20	

Qualifiers:

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S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/15/08
Work Order: R08030253

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18340
Sample ID: MB-18340	Method Blank				Run: SUB-C99837				04/18/08 19:36
Arsenic	0.0007	mg/L	5E-05						
Sample ID: LCS-18340	Laboratory Control Sample				Run: SUB-C99837				04/18/08 19:43
Arsenic	0.489	mg/L	0.0010	98	85	115			
Sample ID: C08031187-001DMS	Sample Matrix Spike				Run: SUB-C99837				04/18/08 22:46
Arsenic	0.497	mg/L	0.0010	98	70	130			
Sample ID: C08031187-001DMSD	Sample Matrix Spike Duplicate				Run: SUB-C99837				04/18/08 22:53
Arsenic	0.498	mg/L	0.0010	98	70	130	0.2	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/15/08
Work Order: R08030253

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: C_R100330	
Sample ID: LRB	Method Blank				Run: SUB-C100330			04/28/08 11:48	
Arsenic	ND	mg/L	6E-05						
Cadmium	2E-05	mg/L	1E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Mercury	ND	mg/L	8E-05						
Nickel	ND	mg/L	0.0007						
Silver	ND	mg/L	3E-05						
Thorium 232	0.0001	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C100330			04/28/08 11:55	
Arsenic	0.0529	mg/L	0.0010	106	85	115			
Cadmium	0.0525	mg/L	0.0010	105	85	115			
Copper	0.0533	mg/L	0.0010	106	85	115			
Lead	0.0528	mg/L	0.0010	106	85	115			
Mercury	0.00553	mg/L	0.0010	111	85	115			
Nickel	0.0533	mg/L	0.0010	107	85	115			
Silver	0.0206	mg/L	0.0010	103	85	115			
Thorium 232	0.0525	mg/L	0.0010	105	85	115			
Uranium	0.0525	mg/L	0.00030	105	85	115			
Sample ID: C08040444-001BMS4	Post Digestion Spike				Run: SUB-C100330			04/28/08 14:03	
Arsenic	0.0610	mg/L	0.0010	103	70	130			
Cadmium	0.0500	mg/L	0.010	100	70	130			
Copper	0.0513	mg/L	0.010	97	70	130			
Lead	0.0533	mg/L	0.050	104	70	130			
Mercury	0.00541	mg/L	0.0010	108	70	130			
Nickel	0.0489	mg/L	0.050	98	70	130			
Silver	0.0124	mg/L	0.010	62	70	130			S
Thorium 232	0.0532	mg/L	0.0010	106	70	130			
Uranium	0.0773	mg/L	0.00030	107	70	130			
Sample ID: C08040444-001BMSD4	Post Digestion Spike Duplicate				Run: SUB-C100330			04/28/08 14:10	
Arsenic	0.0624	mg/L	0.0010	106	70	130	2.3	20	
Cadmium	0.0500	mg/L	0.010	100	70	130	0.0	20	
Copper	0.0529	mg/L	0.010	101	70	130	3.1	20	
Lead	0.0531	mg/L	0.050	104	70	130	0.4	20	
Mercury	0.00548	mg/L	0.0010	110	70	130	1.4	20	
Nickel	0.0504	mg/L	0.050	101	70	130	3.1	20	
Silver	0.0104	mg/L	0.010	52	70	130	18	20	S
Thorium 232	0.0529	mg/L	0.0010	106	70	130	0.6	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/15/08
Work Order: R08030253

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R100330
Sample ID: C08040444-001BMSD4	Post Digestion Spike Duplicate				Run: SUB-C100330				04/28/08 14:10
Uranium	0.0767	mg/L	0.00030	105	70	130	0.8	20	
Sample ID: C08040192-003CMS4	Post Digestion Spike				Run: SUB-C100330				04/28/08 20:57
Arsenic	0.0519	mg/L	0.0010	102	70	130			
Cadmium	0.0491	mg/L	0.010	98	70	130			
Copper	0.0490	mg/L	0.010	97	70	130			
Lead	0.0515	mg/L	0.050	103	70	130			
Mercury	0.00545	mg/L	0.0010	109	70	130			
Nickel	0.0490	mg/L	0.050	98	70	130			
Silver	0.0134	mg/L	0.010	67	70	130			S
Thorium 232	0.0529	mg/L	0.0010	106	70	130			
Uranium	0.0533	mg/L	0.00030	106	70	130			
Sample ID: C08040192-003CMSD4	Post Digestion Spike Duplicate				Run: SUB-C100330				04/28/08 21:24
Arsenic	0.0522	mg/L	0.0010	103	70	130	0.6	20	
Cadmium	0.0491	mg/L	0.010	98	70	130	0.0	20	
Copper	0.0491	mg/L	0.010	98	70	130	0.2	20	
Lead	0.0511	mg/L	0.050	102	70	130	0.7	20	
Mercury	0.00549	mg/L	0.0010	110	70	130	0.7	20	
Nickel	0.0486	mg/L	0.050	97	70	130	0.0	20	
Silver	0.0120	mg/L	0.010	60	70	130	11	20	S
Thorium 232	0.0534	mg/L	0.0010	107	70	130	0.9	20	
Uranium	0.0536	mg/L	0.00030	107	70	130	0.5	20	
Method: E245.1									Batch: C_B_31842
Sample ID: MB-31842	Method Blank				Run: SUB-C99444				04/10/08 12:28
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-31842	Laboratory Fortified Blank				Run: SUB-C99444				04/10/08 12:31
Mercury	0.0018	mg/L	0.0010	89	85	115			
Sample ID: B08040061-002BMS	Sample Matrix Spike				Run: SUB-C99444				04/10/08 13:33
Mercury	0.0020	mg/L	0.0010	98	70	130			
Sample ID: B08040061-002BMSD	Sample Matrix Spike Duplicate				Run: SUB-C99444				04/10/08 13:35
Mercury	0.0021	mg/L	0.0010	103	70	130	4.5	30	
Method: E245.1									Analytical Run: SUB-C99444
Sample ID: QCS	Initial Calibration Verification Standard								04/10/08 12:12
Mercury	0.0020	mg/L	0.0010	98	90	110			

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/15/08
Work Order: R08030253

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R33953
Sample ID: LFB0803265758-3	Laboratory Fortified Blank				Run: DIONEX_080326A				03/26/08 11:31
Chloride	4.93	mg/L	0.50	99	90	110			
Fluoride	2.06	mg/L	0.10	103	90	110			
Nitrogen, Nitrate as N	2.31	mg/L	0.10	92	90	110			
Nitrogen, Nitrite as N	2.47	mg/L	0.10	99	90	110			
Sulfate	13.6	mg/L	1.0	91	90	110			
Sample ID: LFB0803265758-4	Laboratory Fortified Blank				Run: DIONEX_080326A				03/26/08 11:46
Chloride	4.92	mg/L	0.50	98	90	110			
Fluoride	2.06	mg/L	0.10	103	90	110			
Nitrogen, Nitrate as N	2.31	mg/L	0.10	92	90	110			
Nitrogen, Nitrite as N	2.47	mg/L	0.10	99	90	110			
Sulfate	13.6	mg/L	1.0	91	90	110			
Sample ID: R08030252-005CMS	Sample Matrix Spike				Run: DIONEX_080326A				03/26/08 15:22
Chloride	262	mg/L	5.4	92	80	120			
Fluoride	106	mg/L	0.56	101	80	120			
Nitrogen, Nitrate as N	115	mg/L	1.3	92	80	120			
Nitrogen, Nitrite as N	124	mg/L	2.9	99	80	120			
Sulfate	1920	mg/L	3.4	95	80	120			
Sample ID: R08030252-005CMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080326A				03/26/08 15:38
Chloride	252	mg/L	5.4	88	80	120	4.0	10	
Fluoride	102	mg/L	0.56	97	80	120	4.0	10	
Nitrogen, Nitrate as N	110	mg/L	1.3	88	80	120	4.6	10	
Nitrogen, Nitrite as N	119	mg/L	2.9	95	80	120	4.6	10	
Sulfate	1830	mg/L	3.4	83	80	120	4.5	10	
Sample ID: R08030251-001BMS	Sample Matrix Spike				Run: DIONEX_080326A				03/26/08 18:27
Chloride	189	mg/L	2.2	96	80	120			
Fluoride	42.9	mg/L	0.22	102	80	120			
Nitrogen, Nitrate as N	47.0	mg/L	0.50	90	80	120			
Nitrogen, Nitrite as N	60.5	mg/L	1.2	121	80	120			S
Sulfate	1020	mg/L	1.3	71	80	120			S
Sample ID: R08030251-001BMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080326A				03/26/08 18:43
Chloride	185	mg/L	2.2	92	80	120	2.5	10	
Fluoride	41.9	mg/L	0.22	100	80	120	2.3	10	
Nitrogen, Nitrate as N	45.6	mg/L	0.50	87	80	120	3.0	10	
Nitrogen, Nitrite as N	58.9	mg/L	1.2	118	80	120	2.8	10	
Sulfate	998	mg/L	1.3	64	80	120	2.0	10	S

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/15/08
Work Order: R08030253

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0									Batch: C_GrAB-0421
Sample ID: MB-GrAB-0421	Method Blank				Run: SUB-C99588				04/08/08 23:35
Gross Alpha	-0.3	pCi/L							U
Gross Beta	-0.8	pCi/L							U
Sample ID: UNAT-GrAB-0421	Laboratory Control Sample				Run: SUB-C99588				04/08/08 23:36
Gross Alpha	290	pCi/L		120	70	130			
Sample ID: Cs137-GrAB-0421	Laboratory Control Sample				Run: SUB-C99588				04/08/08 23:35
Gross Beta	98	pCi/L		105	70	130			
Sample ID: C08031229-001AMS	Sample Matrix Spike				Run: SUB-C99588				04/08/08 23:35
Gross Alpha	280	pCi/L		113	70	130			
Sample ID: C08031229-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C99588				04/08/08 23:35
Gross Alpha	300	pCi/L		121	70	130	7.5	14.3	
Sample ID: C08031229-001AMS	Sample Matrix Spike				Run: SUB-C99588				04/08/08 23:35
Gross Beta	99	pCi/L		106	70	130			
Sample ID: C08031229-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C99588				04/08/08 23:36
Gross Beta	96	pCi/L		102	70	130	3.7	15.6	
Sample ID: C08031215-001AIDUP	Sample Duplicate				Run: SUB-C99588				04/09/08 12:08
Gross Alpha	180	pCi/L					4.7	22.9	
Gross Beta	92.9	pCi/L					4.8	21.2	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/15/08
Work Order: R08030253

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E901.1									Batch: C_R99476
Sample ID: LCS-R99476	Laboratory Control Sample				Run: SUB-C99476				04/04/08 16:45
Americium 241	740	pCi/L	20	91	70	130			
Cesium 137	1200	pCi/L	20	83	70	130			
Sample ID: MB-R99476	Method Blank				Run: SUB-C99476				04/04/08 16:45
Americium 241	ND	pCi/L							
Barium 133	ND	pCi/L							
Bismuth 212	ND	pCi/L							
Bismuth 214	ND	pCi/L							
Cesium 134	ND	pCi/L							
Cesium 137	ND	pCi/L							
Cobalt 60	ND	pCi/L							
Iodine 125	ND	pCi/L							
Iodine 131	ND	pCi/L							
Lead 212	ND	pCi/L							
Lead 214	ND	pCi/L							
Manganese 54	ND	pCi/L							
Potassium 40	ND	pCi/L							
Radium 223	ND	pCi/L							
Radium 224	ND	pCi/L							
Thallium 208	ND	pCi/L							
Thorium 228	ND	pCi/L							
Thorium 234	ND	pCi/L							
Zinc 65	ND	pCi/L							
Radium 228	ND	pCi/L							
Gross Gamma	ND	pCi/L							
Sample ID: C08031229-001ADUP	Sample Duplicate				Run: SUB-C99476				04/04/08 16:45
Bismuth 212	ND	pCi/L	20				0.0	30	
Bismuth 214	ND	pCi/L	20				0.0	30	
Cesium 134	ND	pCi/L	20				0.0	30	
Cesium 137	ND	pCi/L	20				0.0	30	
Cobalt 60	ND	pCi/L	20				0.0	30	
Iodine 125	ND	pCi/L	20				0.0	30	
Iodine 131	ND	pCi/L	20				0.0	30	
Lead 212	ND	pCi/L	20				0.0	30	
Lead 214	ND	pCi/L	20				0.0	30	
Manganese 54	ND	pCi/L	20				0.0	30	
Potassium 40	ND	pCi/L	20				0.0	30	
Radium 223	ND	pCi/L	20				0.0	30	
Radium 224	ND	pCi/L	20				0.0	30	
Thallium 208	ND	pCi/L	20				0.0	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/15/08
Work Order: R08030253

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E901.1									Batch: C_R99476
Sample ID: C08031229-001ADUP	Sample Duplicate				Run: SUB-C99476			04/04/08 16:45	
Thorium 228	ND	pCi/L	20				0.0	30	
Thorium 234	ND	pCi/L	20				0.0	30	
Zinc 65	ND	pCi/L	20				0.0	30	
Radium 228	ND	pCi/L	20				0.0	30	
Gross Gamma	ND	pCi/L	20				0.0	30	
Sample ID: C08040148-004HDUP	Sample Duplicate				Run: SUB-C99476			04/04/08 16:45	
Americium 241	ND	pCi/L	20				0.0	30	
Barium 133	ND	pCi/L	20				0.0	30	
Bismuth 212	ND	pCi/L	20				0.0	30	
Bismuth 214	270	pCi/L	20				16	30	
Cesium 134	ND	pCi/L	20				0.0	30	
Cesium 137	ND	pCi/L	20				0.0	30	
Cobalt 60	ND	pCi/L	20				0.0	30	
Iodine 125	ND	pCi/L	20				0.0	30	
Iodine 131	ND	pCi/L	20				0.0	30	
Lead 212	ND	pCi/L	20				0.0	30	
Lead 214	310	pCi/L	20				9.9	30	
Manganese 54	ND	pCi/L	20				0.0	30	
Potassium 40	ND	pCi/L	20				0.0	30	
Radium 223	ND	pCi/L	20				0.0	30	
Radium 224	ND	pCi/L	20				0.0	30	
Thallium 208	ND	pCi/L	20				0.0	30	
Thorium 228	ND	pCi/L	20				0.0	30	
Thorium 234	ND	pCi/L	20				0.0	30	
Zinc 65	ND	pCi/L	20				0.0	30	
Radium 228	ND	pCi/L	20				0.0	30	
Gross Gamma	580	pCi/L	20				3.1	30	
Sample ID: C08040255-001HDUP	Sample Duplicate				Run: SUB-C99476			04/04/08 16:45	
Americium 241	ND	pCi/L	20				0.0	30	
Barium 133	ND	pCi/L	20				0.0	30	
Bismuth 212	ND	pCi/L	20				0.0	30	
Bismuth 214	ND	pCi/L	20				0.0	30	
Cesium 134	ND	pCi/L	20				0.0	30	
Cesium 137	ND	pCi/L	20				0.0	30	
Cobalt 60	ND	pCi/L	20				0.0	30	
Iodine 125	ND	pCi/L	20				0.0	30	
Iodine 131	ND	pCi/L	20				0.0	30	
Lead 212	ND	pCi/L	20				0.0	30	
Lead 214	ND	pCi/L	20				0.0	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/15/08
Work Order: R08030253

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E901.1									Batch: C_R99476
Sample ID: C08040255-001HDUP	Sample Duplicate				Run: SUB-C99476				04/04/08 16:45
Manganese 54	ND	pCi/L	20				0.0	30	
Potassium 40	ND	pCi/L	20				0.0	30	
Radium 223	ND	pCi/L	20				0.0	30	
Radium 224	ND	pCi/L	20				0.0	30	
Thallium 208	ND	pCi/L	20				0.0	30	
Thorium 228	ND	pCi/L	20				0.0	30	
Thorium 234	ND	pCi/L	20				0.0	30	
Zinc 65	ND	pCi/L	20				0.0	30	
Radium 228	ND	pCi/L	20				0.0	30	
Gross Gamma	ND	pCi/L	20				0.0	30	
Method: E903.0									Batch: C_R99766
Sample ID: C08031096-006AMS	Sample Matrix Spike				Run: SUB-C99766				04/12/08 23:58
Radium 226	73.3	pCi/Filter		106	70	130			
Sample ID: C08031096-006AMSD	Sample Matrix Spike Duplicate				Run: SUB-C99766				04/13/08 01:28
Radium 226	71.9	pCi/Filter		104	70	130	1.8	25.2	
Sample ID: LCS-18171	Laboratory Control Sample				Run: SUB-C99766				04/13/08 22:32
Radium 226	12	pCi/L		89	70	130			
Sample ID: MB-18171	Method Blank				Run: SUB-C99766				04/14/08 00:02
Radium 226	0.5	pCi/L							
Method: E903.0									Batch: C_RA226-2696
Sample ID: MB-RA226-2696	Method Blank				Run: SUB-C99285				04/07/08 15:04
Radium 226	-0.2	pCi/L							U
Sample ID: C08031105-001IMS	Sample Matrix Spike				Run: SUB-C99285				04/07/08 17:42
Radium 226	24	pCi/L		91	70	130			
Sample ID: C08031105-001IMSD	Sample Matrix Spike Duplicate				Run: SUB-C99285				04/07/08 17:42
Radium 226	24	pCi/L		94	70	130	1.1	18.6	
Sample ID: LCS-RA226-2696	Laboratory Control Sample				Run: SUB-C99285				04/07/08 23:55
Radium 226	5.9	pCi/L		96	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/15/08
Work Order: R08030253

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: C_18171
Sample ID: C08031096-005AMS	Sample Matrix Spike				Run: SUB-C99557				04/02/08 15:30
Thorium 230	47.2	pCi/Filter	0.20	93	70	130			
Sample ID: C08031096-005AMSD	Sample Matrix Spike Duplicate				Run: SUB-C99557				04/02/08 15:30
Thorium 230	47.3	pCi/Filter	0.20	94	70	130	0.2	30	
Sample ID: LCS-18171	Laboratory Control Sample				Run: SUB-C99557				04/02/08 15:30
Thorium 230	43.2	pCi/Filter	0.20	89	70	130			
Sample ID: MB-18171	Method Blank				Run: SUB-C99557				04/02/08 15:30
Thorium 230	0.2	pCi/Filter							
Method: E907.0									Batch: C_R99556
Sample ID: LCS-R99556	Laboratory Control Sample				Run: SUB-C99556				04/07/08 14:30
Thorium 230	6.83	pCi/L	0.20	98	70	130			
Sample ID: R08030253-001H	Sample Matrix Spike				Run: SUB-C99556				04/07/08 14:30
Thorium 230	9.88	pCi/L	0.20	97	70	130			
Sample ID: R08030253-001H	Sample Matrix Spike Duplicate				Run: SUB-C99556				04/07/08 14:30
Thorium 230	9.25	pCi/L	0.20	90	70	130	6.6	30	
Sample ID: MB-R99556	Method Blank				Run: SUB-C99556				04/07/08 14:30
Thorium 230	ND	pCi/L							
Method: E909.0M									Batch: C_18171
Sample ID: C08031249-001AMS	Sample Matrix Spike				Run: SUB-C99565				04/03/08 08:05
Lead 210	1010	pCi/Filter	1.0	76	70	130			
Sample ID: C08031249-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C99565				04/03/08 08:05
Lead 210	1350	pCi/Filter	1.0	105	70	130	29	30	
Sample ID: MB-R99565	Method Blank				Run: SUB-C99565				04/03/08 08:05
Lead 210	30	pCi/L							
Sample ID: LCS-R99565	Laboratory Control Sample				Run: SUB-C99565				04/03/08 08:05
Lead 210	100	pCi/L	1.0	87	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/15/08
Work Order: R08030253

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0M									Batch: C_R99229
Sample ID: R08030253-001H	Sample Matrix Spike				Run: SUB-C99229				04/02/08 10:10
Lead 210	190	pCi/L	1.0	82	70	130			
Sample ID: R08030253-001H	Sample Matrix Spike Duplicate				Run: SUB-C99229				04/02/08 10:10
Lead 210	190	pCi/L	1.0	84	70	130	2.5	30	
Sample ID: C08031265-004DDUP	Sample Duplicate				Run: SUB-C99229				04/02/08 10:10
Lead 210	26	pCi/L	1.0				1.2	30	
Sample ID: MB-R99229	Method Blank				Run: SUB-C99229				04/02/08 10:10
Lead 210	10	pCi/L							
Sample ID: LCS-R99229	Laboratory Control Sample				Run: SUB-C99229				04/02/08 10:10
Lead 210	120	pCi/L	1.0	92	70	130			
Method: RMO-3008									Batch: C_R99661
Sample ID: C08040148-009IMS	Sample Matrix Spike				Run: SUB-C99661				04/07/08 17:00
Polonium 210	82	pCi/L	1.0	96	70	130			
Sample ID: C08040148-009IMSD	Sample Matrix Spike Duplicate				Run: SUB-C99661				04/07/08 17:00
Polonium 210	78	pCi/L	1.0	92	70	130	4.5	30	
Sample ID: LCS-18171	Laboratory Control Sample				Run: SUB-C99661				04/07/08 17:00
Polonium 210	190	pCi/L	1.0	108	70	130			
Sample ID: MB-18182	Method Blank				Run: SUB-C99661				04/07/08 17:00
Polonium 210	1	pCi/L							
Method: RMO-3008									Batch: C_R99720
Sample ID: C08030949-011DMS	Sample Matrix Spike				Run: SUB-C99720				04/02/08 14:00
Polonium 210	15	pCi/L	1.0	42	70	130			S
- Spike response is outside of the acceptance range for this analysis. Since the LCS and the MS are acceptable the batch is approved.									
Sample ID: C08030949-011DMSD	Sample Matrix Spike Duplicate				Run: SUB-C99720				04/02/08 14:00
Polonium 210	21	pCi/L	1.0	79	70	130	36	30	R
Sample ID: LCS-R99720	Laboratory Control Sample				Run: SUB-C99720				04/02/08 14:00
Polonium 210	14	pCi/L	1.0	73	70	130			
Sample ID: MB-R99720	Method Blank				Run: SUB-C99720				04/02/08 14:00
Polonium 210	0.8	pCi/L							

Qualifiers:

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

ENERGY LABORATORIES, INC. • 2821 Plant Street • Rapid City, SD 57702 • www.energylab.com
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Chain of Custody and Analytical Request Record

Page ____ of ____

PLEASE PRINT- Provide as much information as possible.

Company Name:	Project Name, PWS, Permit, Etc.	Sample Origin	EPA/State Compliance:
RESPEC	Power Tech Dewey Burdock	State: SD	Yes ☐ No ☐
Report Mail Address:	**Contact Name:** Phone/Fax:	**Email:**	**Sampler: (Please Print)**
RESPEC	Cory.foreman@respec.com		Eric Krantz
Invoice Address:	**Invoice Contact & Phone:**	**Purchase Order:**	**Quote/Bottle Order:**
RESPEC			

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 W S V B O
Air Water Soils/Solids Vegetation Bioassay Other

ANALYSIS REQUESTED

SEE ATTACHED

Normal Turnaround (TAT)

R U S H

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

Comments:

Shipped by:

Cooler ID(s):

Receipt Temp 2.0 °C

On Ice: (Yes) No

Custody Seal Y N
Intact Y N
Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX		
1	Dew Burd GW 650	03/24/08	0900	W		set 5 GW
2	~~Dew Burd GW 10~~	~~03/24/08~~	~~1030~~	~~W~~		~~set 11 GW~~
3	~~Dew Burd SUB 11~~	03/24/08	11:10	W		Set 12 SW
4	~~Dew Burd SUB 7~~	03/24/08	11:55	W		Set 4 SW
5	~~Dew Burd SUB 1~~	03/24/08	12:45	W		Set 8 SW
6	Dew Burd GW 619	03/24/08	15:40	W		Set 19 GW
7	~~Dew Burd SUB 9~~	03/24/08	16:25	W		Set 10 SW
8	~~Dew Burd SUB 10~~	03/24/08	17:10	W		Set 13 SW
9						
10						

B08030253-001

002

LABORATORY USE ONLY

Custody Record MUST be Signed

	Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
	Eric Krantz	03/25/08 0810				
	Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
				Received by Laboratory:	Date/Time:	Signature:
				Linda Larson	3/25/08 0810	

Sample Disposal: Return to Client: _____ Lab Disposal: _____

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. • 2821 Plant Street • Rapid City, SD 57702 • www.energylab.com
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ANALYTICAL SUMMARY REPORT

July 29, 2008

Cory Foreman
RESPEC Inc
3824 Jet Dr
Rapid City, SD 57701-

Workorder No.: R08030315 Quote ID: R286
Project Name: Edgemont

Energy Laboratories Inc. received the following 9 samples from RESPEC Inc on 3/31/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08030315-001	DewBurd GW694	03/30/08 10:11	03/31/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Mercury, Total Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved
R08030315-002	DewBurd GW698	03/30/08 14:04	03/31/08	Aqueous	Same As Above
R08030315-003	DewBurd GW698	03/30/08 14:10	03/31/08	Aqueous	Same As Above
R08030315-004	DewBurd GW16	03/30/08 15:19	03/31/08	Aqueous	Same As Above

CLIENT: RESPEC Inc
Project: Edgemont
Sample Delivery Group: R08030315

Report Date: 07/29/08

CASE NARRATIVE

This case narrative is used to explain any exceptions to the analyses performed for your sample(s). In accordance with Good Analytical Laboratory Practices (GALP), samples requiring data qualifiers or analytical modifications are explained herein.

All samples were analyzed in accordance with prescribed methodology, except were noted. Samples are accompanied by appropriate quality assurance/quality control (QA/QC) samples throughout the analytical process.

During the course of analyzing your sample(s) the following exceptions were noted.
- change GW 700 to GW 3026 per Eric Krantz 5/20/2008 per Eric 6/27/2008 change 695 to 697 done 6/27/2008 LL

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

BRANCH LABORATORY IDENTIFIERS
eli-b - Energy Laboratories, Inc. - Billings, MT, EPA # MT00005
eli-c - Energy Laboratories, Inc. - Casper, WY, EPA# WY00002
eli-f - Energy Laboratories, Inc. - Idaho Falls, ID, EPA # ID00942
eli-g - Energy Laboratories, Inc. - Gillette, WY, EPA# WY00006
eli-h - Energy Laboratories, Inc. - Helena, MT, EPA# MT00945
eli-t - Energy Laboratories, Inc. - College Station, TX, EPA# TX01520

For additional information, including certifications, and analytical services visit our web page www.energylab.com.

If you have questions regarding this information, please feel free to contact us at (888)672-1225, (605)342-1225 or rapid_city@energylab.com.
Comments imported for SUBBED Workorder: C08040148
Prep Comments for Sample R08030315-009J, Test PRP-200.2: The prep HoldTime was exceeded by 30.9 days.
Prep Comments for Sample R08030315-009K, Test PRP-200.2: The prep HoldTime was exceeded by 37.8 days.
End of comments imported for SUBBED Workorder: C08040148

ENERGY LABORATORIES, INC. * 2821 Plant St * Rapid City, SD 57702
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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030315-001
Client Sample ID: DewBurd GW694

Report Date: 07/29/08
Collection Date: 03/30/08 10:11
Date Received: 03/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	204	mg/L		5		1	A2320 B	04/01/08 12:41/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/01/08 12:41/mb
Bicarbonate as HCO3	249	mg/L		5		1	A2320 B	04/01/08 12:41/mb
Calcium	91.6	mg/L		0.5		2	E200.7	04/11/08 12:34/eli-c
Chloride	11	mg/L		1		1	E300.0	03/31/08 20:47/jmh
Fluoride	0.3	mg/L		0.1		1	E300.0	03/31/08 20:47/jmh
Magnesium	35.4	mg/L		0.5		2	E200.7	04/11/08 12:34/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	04/04/08 10:27/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	03/31/08 20:47/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	03/31/08 20:47/jmh
Potassium	12.3	mg/L		0.5		2	E200.7	04/11/08 12:34/eli-c
Silica	8.1	mg/L		0.5		2	E200.7	04/11/08 12:34/eli-c
Sodium	165	mg/L		0.5		2	E200.7	04/11/08 12:34/eli-c
Sulfate	531	mg/L	D	3		50	E300.0	03/31/08 20:32/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1370	umhos/cm		5.0		1	A2510 B	04/01/08 11:44/jmh
Oxidation-Reduction Potential	280	mV				1	A2580 B	04/04/08 00:00/jmh
pH	7.65	s.u.		0.01		1	A4500-H B	04/01/08 11:16/jmh
Sodium Adsorption Ratio (SAR)	3.7	unitless		0.10		1	Calculation	06/17/08 11:18/ADM
Solids, Total Dissolved TDS @ 180 C	970	mg/L		5		1	A2540 C	03/31/08 13:47/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	04/11/08 12:34/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	04/15/08 23:50/eli-c
Barium	ND	mg/L		0.1		2	E200.7	04/11/08 12:34/eli-c
Boron	ND	mg/L		0.1		2	E200.7	04/11/08 12:34/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/15/08 23:50/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	04/11/08 12:34/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/15/08 23:50/eli-c
Iron	ND	mg/L		0.03		2	E200.7	04/11/08 12:34/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/15/08 23:50/eli-c
Manganese	0.14	mg/L		0.01		2	E200.7	04/11/08 12:34/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	04/15/08 23:50/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	04/11/08 12:34/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/15/08 23:50/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/07/08 12:08/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/15/08 23:50/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	04/15/08 03:50/eli-c

Report Definitions:
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QCL - Quality control limit.
MDC - 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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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030315-001
Client Sample ID: DewBurd GW694

Report Date: 07/29/08
Collection Date: 03/30/08 10:11
Date Received: 03/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.0005	mg/L		0.0003		1	E200.8	04/15/08 23:50/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	04/11/08 12:34/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	04/11/08 12:34/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	04/15/08 22:16/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/07/08 09:31/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/07/08 15:12/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	8.8	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Gross Alpha precision (±)	3.2	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Gross Alpha MDC	4.1	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Gross Beta	10.3	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Gross Beta precision (±)	2.6	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Gross Beta MDC	4.0	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Lead 210	-9.8	pCi/L	U	1.0		1	E909.0M	04/08/08 08:15/eli-c
Lead 210 precision (±)	2.6	pCi/L				1	E909.0M	04/08/08 08:15/eli-c
Polonium 210	1.8	pCi/L		1.0		1	RMO-3008	04/03/08 14:30/eli-c
Polonium 210 precision (±)	1.3	pCi/L				1	RMO-3008	04/03/08 14:30/eli-c
Radium 226	1.6	pCi/L				1	E903.0	04/20/08 01:14/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	04/20/08 01:14/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	04/20/08 01:14/eli-c
Thorium 230	0.2	pCi/L		0.2		1	E907.0	04/07/08 14:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/07/08 14:30/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	04/04/08 16:45/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	04/04/08 16:45/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	04/10/08 09:00/eli-c
Lead 210 precision (±)	0.9	pCi/L				1	E909.0M	04/10/08 09:00/eli-c
Polonium 210	0.9	pCi/L	U	1.0		1	RMO-3008	04/07/08 17:00/eli-c
Polonium 210 precision (±)	0.71	pCi/L				1	RMO-3008	04/07/08 17:00/eli-c
Radium 226	1	pCi/L				1	E903.0	04/22/08 12:16/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	04/22/08 12:16/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	04/22/08 12:16/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	04/09/08 15:00/eli-c

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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: RESPEC Inc
Project: Edgemont
Lab ID: R08030315-001
Client Sample ID: DewBurd GW694

Report Date: 07/29/08
Collection Date: 03/30/08 10:11
Date Received: 03/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	04/09/08 15:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	313	pCi/L		100		1	D5072-92	04/03/08 18:27/eli-c
Radon 222 precision (±)	79.4	pCi/L				1	D5072-92	04/03/08 18:27/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	04/15/08 02:08/eli-c
Arsenic	0.005	mg/L	D	0.003		1	E200.8	04/15/08 02:08/eli-c
Barium	ND	mg/L		0.1		2	E200.7	04/10/08 14:56/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	04/15/08 02:08/eli-c
Boron	ND	mg/L		0.1		2	E200.7	04/10/08 14:56/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/15/08 02:08/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	04/10/08 14:56/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/15/08 02:08/eli-c
Iron	0.18	mg/L		0.03		2	E200.7	04/10/08 14:56/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/15/08 02:08/eli-c
Manganese	0.20	mg/L		0.01		2	E200.7	04/10/08 14:56/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	04/11/08 13:21/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	04/15/08 02:08/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/15/08 02:08/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	04/15/08 02:08/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/15/08 02:08/eli-c
Strontium	2.7	mg/L		0.1		1	E200.8	04/15/08 02:08/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	04/15/08 02:08/eli-c
Uranium	0.0006	mg/L		0.0003		1	E200.8	04/15/08 02:08/eli-c
Zinc	0.02	mg/L		0.01		1	E200.8	04/15/08 02:08/eli-c
DATA QUALITY								
A/C Balance (± 5)	-1.48					1	A1030 E	06/17/08 00:00/ADM
Anions	15.4	meq/L				1	A1030 E	06/17/08 00:00/ADM
Cations	15.0	meq/L				1	A1030 E	06/17/08 00:00/ADM
Solids, Total Dissolved Calculated	990	mg/L				1	A1030 E	06/17/08 00:00/ADM
TDS Balance (0.80 - 1.20)	0.980					1	A1030 E	06/17/08 00:00/ADM

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D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030315-002
Client Sample ID: DewBurd GW698

Report Date: 07/29/08
Collection Date: 03/30/08 14:04
Date Received: 03/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	124	mg/L		5		1	A2320 B	04/01/08 12:59/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/01/08 12:59/mb
Bicarbonate as HCO3	151	mg/L		5		1	A2320 B	04/01/08 12:59/mb
Calcium	338	mg/L		0.5		2	E200.7	04/11/08 12:44/eli-c
Chloride	12	mg/L		1		1	E300.0	03/31/08 21:18/jmh
Fluoride	0.2	mg/L		0.1		1	E300.0	03/31/08 21:18/jmh
Magnesium	125	mg/L		0.5		2	E200.7	04/11/08 12:44/eli-c
Nitrogen, Ammonia as N	0.1	mg/L		0.1		1	A4500-NH3 G	04/04/08 10:28/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	03/31/08 21:18/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	03/31/08 21:18/jmh
Potassium	14.6	mg/L		0.5		2	E200.7	04/11/08 12:44/eli-c
Silica	9.5	mg/L		0.5		2	E200.7	04/11/08 12:44/eli-c
Sodium	84.6	mg/L		0.5		2	E200.7	04/11/08 12:44/eli-c
Sulfate	1300	mg/L	D	3		50	E300.0	03/31/08 21:03/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2390	umhos/cm		5.0		1	A2510 B	04/01/08 11:44/jmh
Oxidation-Reduction Potential	280	mV				1	A2580 B	04/04/08 00:00/jmh
pH	6.91	s.u.		0.01		1	A4500-H B	04/01/08 11:17/jmh
Sodium Adsorption Ratio (SAR)	1.0	unitless		0.10		1	Calculation	06/17/08 11:18/ADM
Solids, Total Dissolved TDS @ 180 C	2200	mg/L		5		1	A2540 C	03/31/08 13:48/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	04/11/08 12:44/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	04/16/08 00:17/eli-c
Barium	ND	mg/L		0.1		2	E200.7	04/11/08 12:44/eli-c
Boron	ND	mg/L		0.1		2	E200.7	04/11/08 12:44/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/16/08 00:17/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	04/11/08 12:44/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/16/08 00:17/eli-c
Iron	1.56	mg/L		0.03		2	E200.7	04/11/08 12:44/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/16/08 00:17/eli-c
Manganese	2.18	mg/L		0.01		2	E200.7	04/11/08 12:44/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	04/16/08 00:17/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	04/11/08 12:44/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/16/08 00:17/eli-c
Selenium	0.001	mg/L		0.001		1	A3114 B	04/07/08 12:15/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/15/08 03:56/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	04/15/08 03:56/eli-c

Report Definitions:
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QCL - Quality control limit.
MDC - 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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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030315-002
Client Sample ID: DewBurd GW698

Report Date: 07/29/08
Collection Date: 03/30/08 14:04
Date Received: 03/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.109	mg/L		0.0003		1	E200.8	04/16/08 00:17/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	04/11/08 12:44/eli-c
Zinc	0.01	mg/L		0.01		2	E200.7	04/11/08 12:44/eli-c
METALS - SUSPENDED								
Uranium	0.0024	mg/L		0.0003		1	E200.8	04/15/08 22:22/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/07/08 09:38/eli-c
Selenium-VI	0.001	mg/L		0.001		1	A3114 B	04/07/08 15:12/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	1750	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Gross Alpha precision (±)	41.2	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Gross Alpha MDC	8.4	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Gross Beta	657	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Gross Beta precision (±)	13.0	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Gross Beta MDC	9.3	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Lead 210	-14	pCi/L	U	1.0		1	E909.0M	04/08/08 08:15/eli-c
Lead 210 precision (±)	3.1	pCi/L				1	E909.0M	04/08/08 08:15/eli-c
Polonium 210	1.0	pCi/L		1.0		1	RMO-3008	04/03/08 14:30/eli-c
Polonium 210 precision (±)	0.80	pCi/L				1	RMO-3008	04/03/08 14:30/eli-c
Radium 226	387	pCi/L				1	E903.0	04/20/08 01:21/eli-c
Radium 226 precision (±)	13.8	pCi/L				1	E903.0	04/20/08 01:21/eli-c
Radium 226 MDC	1.0	pCi/L				1	E903.0	04/20/08 01:21/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	04/07/08 14:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/07/08 14:30/eli-c
Gross Gamma	790	pCi/L		20		1	E901.1	04/04/08 16:45/eli-c
Gross Gamma precision (±)	49	pCi/L				1	E901.1	04/04/08 16:45/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	04/10/08 09:00/eli-c
Lead 210 precision (±)	0.7	pCi/L				1	E909.0M	04/10/08 09:00/eli-c
Polonium 210	1.2	pCi/L		1.0		1	RMO-3008	04/07/08 17:00/eli-c
Polonium 210 precision (±)	0.74	pCi/L				1	RMO-3008	04/07/08 17:00/eli-c
Radium 226	15.3	pCi/L				1	E903.0	04/22/08 12:16/eli-c
Radium 226 precision (±)	1.2	pCi/L				1	E903.0	04/22/08 12:16/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	04/22/08 12:16/eli-c
Thorium 230	0.4	pCi/L		0.2		1	E907.0	04/09/08 15:00/eli-c

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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: RESPEC Inc
Project: Edgemont
Lab ID: R08030315-002
Client Sample ID: DewBurd GW698

Report Date: 07/29/08
Collection Date: 03/30/08 14:04
Date Received: 03/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	04/09/08 15:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	32200	pCi/L		100		1	D5072-92	04/03/08 18:27/eli-c
Radon 222 precision (±)	266	pCi/L				1	D5072-92	04/03/08 18:27/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	04/15/08 02:15/eli-c
Arsenic	0.004	mg/L	D	0.003		1	E200.8	04/15/08 02:15/eli-c
Barium	ND	mg/L		0.1		2	E200.7	04/10/08 15:00/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	04/15/08 02:15/eli-c
Boron	ND	mg/L		0.1		2	E200.7	04/10/08 15:00/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/15/08 02:15/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	04/10/08 15:00/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/15/08 02:15/eli-c
Iron	4.06	mg/L		0.03		2	E200.7	04/10/08 15:00/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/15/08 02:15/eli-c
Manganese	2.31	mg/L		0.01		2	E200.7	04/10/08 15:00/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	04/11/08 13:23/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	04/15/08 02:15/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/15/08 02:15/eli-c
Selenium	0.002	mg/L		0.001		1	E200.8	04/15/08 02:15/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/15/08 02:15/eli-c
Strontium	4.9	mg/L		0.1		1	E200.8	04/15/08 02:15/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	04/15/08 02:15/eli-c
Uranium	0.123	mg/L		0.0003		1	E200.8	04/15/08 02:15/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	04/15/08 02:15/eli-c
DATA QUALITY								
A/C Balance (± 5)	2.58					1	A1030 E	06/17/08 00:00/ADM
Anions	29.9	meq/L				1	A1030 E	06/17/08 00:00/ADM
Cations	31.4	meq/L				1	A1030 E	06/17/08 00:00/ADM
Solids, Total Dissolved Calculated	1970	mg/L				1	A1030 E	06/17/08 00:00/ADM
TDS Balance (0.80 - 1.20)	1.13					1	A1030 E	06/17/08 00:00/ADM

Report Definitions:
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MDC - 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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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030315-003
Client Sample ID: DewBurd GW698

Report Date: 07/29/08
Collection Date: 03/30/08 14:10
Date Received: 03/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	122	mg/L		5		1	A2320 B	04/01/08 13:05/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/01/08 13:05/mb
Bicarbonate as HCO3	149	mg/L		5		1	A2320 B	04/01/08 13:05/mb
Calcium	340	mg/L		0.5		2	E200.7	04/11/08 12:51/eli-c
Chloride	11	mg/L		1		1	E300.0	03/31/08 21:49/jmh
Fluoride	0.3	mg/L		0.1		1	E300.0	03/31/08 21:49/jmh
Magnesium	126	mg/L		0.5		2	E200.7	04/11/08 12:51/eli-c
Nitrogen, Ammonia as N	0.1	mg/L		0.1		1	A4500-NH3 G	04/04/08 10:29/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	03/31/08 21:49/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	03/31/08 21:49/jmh
Potassium	14.4	mg/L		0.5		2	E200.7	04/11/08 12:51/eli-c
Silica	9.5	mg/L		0.5		2	E200.7	04/11/08 12:51/eli-c
Sodium	83.7	mg/L		0.5		2	E200.7	04/11/08 12:51/eli-c
Sulfate	1430	mg/L	D	3		50	E300.0	03/31/08 21:33/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2400	umhos/cm		5.0		1	A2510 B	04/01/08 11:45/jmh
Oxidation-Reduction Potential	190	mV				1	A2580 B	04/04/08 00:00/jmh
pH	6.91	s.u.		0.01		1	A4500-H B	04/01/08 11:18/jmh
Sodium Adsorption Ratio (SAR)	0.98	unitless		0.10		1	Calculation	06/17/08 11:18/ADM
Solids, Total Dissolved TDS @ 180 C	2200	mg/L		5		1	A2540 C	03/31/08 13:49/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	04/11/08 12:51/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	04/16/08 01:52/eli-c
Barium	ND	mg/L		0.1		2	E200.7	04/11/08 12:51/eli-c
Boron	ND	mg/L		0.1		2	E200.7	04/11/08 12:51/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/16/08 01:52/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	04/11/08 12:51/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/16/08 01:52/eli-c
Iron	1.58	mg/L		0.03		2	E200.7	04/11/08 12:51/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/16/08 01:52/eli-c
Manganese	2.22	mg/L		0.01		2	E200.7	04/11/08 12:51/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	04/16/08 01:52/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	04/11/08 12:51/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/16/08 01:52/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/07/08 12:17/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/15/08 04:03/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	04/16/08 01:52/eli-c

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. D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030315-003
Client Sample ID: DewBurd GW698

Report Date: 07/29/08
Collection Date: 03/30/08 14:10
Date Received: 03/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.109	mg/L		0.0003		1	E200.8	04/16/08 01:52/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	04/11/08 12:51/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	04/11/08 12:51/eli-c
METALS - SUSPENDED								
Uranium	0.0024	mg/L		0.0003		1	E200.8	04/15/08 22:50/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/07/08 09:41/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/07/08 15:12/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	1880	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Gross Alpha precision (±)	43.0	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Gross Alpha MDC	8.5	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Gross Beta	659	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Gross Beta precision (±)	13.0	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Gross Beta MDC	9.2	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Lead 210	-9.6	pCi/L	U	1.0		1	E909.0M	04/08/08 08:15/eli-c
Lead 210 precision (±)	2.5	pCi/L				1	E909.0M	04/08/08 08:15/eli-c
Polonium 210	1.3	pCi/L		1.0		1	RMO-3008	04/03/08 14:30/eli-c
Polonium 210 precision (±)	1.1	pCi/L				1	RMO-3008	04/03/08 14:30/eli-c
Radium 226	398	pCi/L				1	E903.0	04/20/08 01:28/eli-c
Radium 226 precision (±)	14.2	pCi/L				1	E903.0	04/20/08 01:28/eli-c
Radium 226 MDC	1.1	pCi/L				1	E903.0	04/20/08 01:28/eli-c
Thorium 230	-0 1	pCi/L	U	0.2		1	E907.0	04/07/08 14:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/07/08 14:30/eli-c
Gross Gamma	840	pCi/L		20		1	E901.1	04/04/08 16:45/eli-c
Gross Gamma precision (±)	54	pCi/L				1	E901.1	04/04/08 16:45/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	04/10/08 09:00/eli-c
Lead 210 precision (±)	1.1	pCi/L				1	E909.0M	04/10/08 09:00/eli-c
Polonium 210	0.8	pCi/L	U	1.0		1	RMO-3008	04/07/08 17:00/eli-c
Polonium 210 precision (±)	0.64	pCi/L				1	RMO-3008	04/07/08 17:00/eli-c
Radium 226	12.4	pCi/L				1	E903.0	04/22/08 12:16/eli-c
Radium 226 precision (±)	1.1	pCi/L				1	E903.0	04/22/08 12:16/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	04/22/08 12:16/eli-c
Thorium 230	0.3	pCi/L		0.2		1	E907.0	04/09/08 15:00/eli-c

Report Definitions:
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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: RESPEC Inc
Project: Edgemont
Lab ID: R08030315-003
Client Sample ID: DewBurd GW698

Report Date: 07/29/08
Collection Date: 03/30/08 14:10
Date Received: 03/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	04/09/08 15:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	29400	pCi/L		100		1	D5072-92	04/03/08 18:27/eli-c
Radon 222 precision (±)	255	pCi/L				1	D5072-92	04/03/08 18:27/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	04/15/08 02:22/eli-c
Arsenic	0.003	mg/L	D	0.003		1	E200.8	04/15/08 02:22/eli-c
Barium	ND	mg/L		0.1		2	E200.7	04/10/08 15:03/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	04/15/08 02:22/eli-c
Boron	ND	mg/L		0.1		2	E200.7	04/10/08 15:03/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/15/08 02:22/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	04/10/08 15:03/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/15/08 02:22/eli-c
Iron	3.99	mg/L		0.03		2	E200.7	04/10/08 15:03/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/15/08 02:22/eli-c
Manganese	2.29	mg/L		0.01		2	E200.7	04/10/08 15:03/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	04/11/08 13:26/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	04/15/08 02:22/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/15/08 02:22/eli-c
Selenium	0.002	mg/L		0.001		1	E200.8	04/15/08 02:22/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/15/08 02:22/eli-c
Strontium	4.8	mg/L		0.1		1	E200.8	04/15/08 02:22/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	04/15/08 02:22/eli-c
Uranium	0.122	mg/L		0.0003		1	E200.8	04/15/08 02:22/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	04/15/08 02:22/eli-c
DATA QUALITY								
A/C Balance (± 5)	-1.60					1	A1030 E	06/17/08 00:00/ADM
Anions	32.6	meq/L				1	A1030 E	06/17/08 00:00/ADM
Cations	31.6	meq/L				1	A1030 E	06/17/08 00:00/ADM
Solids, Total Dissolved Calculated	2110	mg/L				1	A1030 E	06/17/08 00:00/ADM
TDS Balance (0.80 - 1.20)	1.07					1	A1030 E	06/17/08 00:00/ADM

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D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030315-004
Client Sample ID: DewBurd GW16

Report Date: 07/29/08
Collection Date: 03/30/08 15:19
Date Received: 03/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	148	mg/L		5		1	A2320 B	04/01/08 13:21/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/01/08 13:21/mb
Bicarbonate as HCO3	180	mg/L		5		1	A2320 B	04/01/08 13:21/mb
Calcium	113	mg/L		0.5		2	E200.7	04/11/08 12:55/eli-c
Chloride	5	mg/L		1		1	E300.0	03/31/08 22:51/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	03/31/08 22:51/jmh
Magnesium	46.8	mg/L		0.5		2	E200.7	04/11/08 12:55/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	04/04/08 10:31/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	03/31/08 22:51/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	03/31/08 22:51/jmh
Potassium	15.1	mg/L		0.5		2	E200.7	04/11/08 12:55/eli-c
Silica	7.0	mg/L		0.5		2	E200.7	04/11/08 12:55/eli-c
Sodium	48.0	mg/L		0.5		2	E200.7	04/11/08 12:55/eli-c
Sulfate	449	mg/L	D	3		50	E300.0	03/31/08 22:04/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1050	umhos/cm		5.0		1	A2510 B	04/01/08 11:46/jmh
Oxidation-Reduction Potential	200	mV				1	A2580 B	04/04/08 00:00/jmh
pH	7.57	s.u.		0.01		1	A4500-H B	04/01/08 11:19/jmh
Sodium Adsorption Ratio (SAR)	0.96	unitless		0.10		1	Calculation	06/17/08 11:18/ADM
Solids, Total Dissolved TDS @ 180 C	780	mg/L		5		1	A2540 C	03/31/08 13:49/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	04/11/08 12:55/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	04/16/08 01:59/eli-c
Barium	ND	mg/L		0.1		2	E200.7	04/11/08 12:55/eli-c
Boron	ND	mg/L		0.1		2	E200.7	04/11/08 12:55/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/16/08 01:59/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	04/11/08 12:55/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/16/08 01:59/eli-c
Iron	ND	mg/L		0.03		2	E200.7	04/11/08 12:55/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/16/08 01:59/eli-c
Manganese	0.13	mg/L		0.01		2	E200.7	04/11/08 12:55/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	04/16/08 01:59/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	04/11/08 12:55/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/16/08 01:59/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/07/08 12:19/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/15/08 04:37/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	04/16/08 01:59/eli-c

Report Definitions:
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MDC - 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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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030315-004
Client Sample ID: DewBurd GW16

Report Date: 07/29/08
Collection Date: 03/30/08 15:19
Date Received: 03/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.0007	mg/L		0.0003		1	E200.8	04/16/08 01:59/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	04/11/08 12:55/eli-c
Zinc	0.01	mg/L		0.01		2	E200.7	04/11/08 12:55/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	04/15/08 22:56/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/07/08 09:43/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/07/08 15:12/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	85.7	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Gross Alpha precision (±)	5.9	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Gross Alpha MDC	3.2	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Gross Beta	47.2	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Gross Beta precision (±)	2.8	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Gross Beta MDC	3.5	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Lead 210	-27	pCi/L	U	1.0		1	E909.0M	04/08/08 08:15/eli-c
Lead 210 precision (±)	4.1	pCi/L				1	E909.0M	04/08/08 08:15/eli-c
Polonium 210	0.2	pCi/L	U	1.0		1	RMO-3008	04/03/08 14:30/eli-c
Polonium 210 precision (±)	0.60	pCi/L				1	RMO-3008	04/03/08 14:30/eli-c
Radium 226	15.3	pCi/L				1	E903.0	04/20/08 02:58/eli-c
Radium 226 precision (±)	0.8	pCi/L				1	E903.0	04/20/08 02:58/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	04/20/08 02:58/eli-c
Thorium 230	0.2	pCi/L	U	0.2		1	E907.0	04/07/08 14:30/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	04/07/08 14:30/eli-c
Gross Gamma	600	pCi/L		20		1	E901.1	04/04/08 16:45/eli-c
Gross Gamma precision (±)	47	pCi/L				1	E901.1	04/04/08 16:45/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	04/10/08 09:00/eli-c
Lead 210 precision (±)	1.0	pCi/L				1	E909.0M	04/10/08 09:00/eli-c
Polonium 210	0.8	pCi/L	U	1.0		1	RMO-3008	04/07/08 17:00/eli-c
Polonium 210 precision (±)	0.57	pCi/L				1	RMO-3008	04/07/08 17:00/eli-c
Radium 226	1.4	pCi/L				1	E903.0	04/22/08 12:16/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	04/22/08 12:16/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	04/22/08 12:16/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	04/09/08 15:00/eli-c

Report Definitions:
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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: RESPEC Inc
Project: Edgemont
Lab ID: R08030315-004
Client Sample ID: DewBurd GW16

Report Date: 07/29/08
Collection Date: 03/30/08 15:19
Date Received: 03/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/09/08 15:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	28200	pCi/L		100		1	D5072-92	04/03/08 18:27/eli-c
Radon 222 precision (±)	249	pCi/L				1	D5072-92	04/03/08 18:27/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	04/15/08 02:28/eli-c
Arsenic	0.004	mg/L	D	0.003		1	E200.8	04/15/08 02:28/eli-c
Barium	ND	mg/L		0.1		2	E200.7	04/10/08 15:06/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	04/15/08 02:28/eli-c
Boron	ND	mg/L		0.1		2	E200.7	04/10/08 15:06/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/15/08 02:28/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	04/10/08 15:06/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/15/08 02:28/eli-c
Iron	0.25	mg/L		0.03		2	E200.7	04/10/08 15:06/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/15/08 02:28/eli-c
Manganese	0.14	mg/L		0.01		2	E200.7	04/10/08 15:06/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	04/11/08 13:28/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	04/15/08 02:28/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/15/08 02:28/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	04/15/08 02:28/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/15/08 02:28/eli-c
Strontium	2.7	mg/L		0.1		1	E200.8	04/15/08 02:28/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	04/15/08 02:28/eli-c
Uranium	0.0007	mg/L		0.0003		1	E200.8	04/15/08 02:28/eli-c
Zinc	0.02	mg/L		0.01		1	E200.8	04/15/08 02:28/eli-c
DATA QUALITY								
A/C Balance (± 5)	-2.00					1	A1030 E	06/17/08 00:00/ADM
Anions	12.5	meq/L				1	A1030 E	06/17/08 00:00/ADM
Cations	12.0	meq/L				1	A1030 E	06/17/08 00:00/ADM
Solids, Total Dissolved Calculated	786	mg/L				1	A1030 E	06/17/08 00:00/ADM
TDS Balance (0.80 - 1.20)	0.990					1	A1030 E	06/17/08 00:00/ADM

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.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030315-005
Client Sample ID: DewBurd BLK01

Report Date: 07/29/08
Collection Date: 03/30/08 15:10
Date Received: 03/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	ND	mg/L		5		1	A2320 B	04/01/08 13:25/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/01/08 13:25/mb
Bicarbonate as HCO3	ND	mg/L		5		1	A2320 B	04/01/08 13:25/mb
Calcium	ND	mg/L		0.5		2	E200.7	04/11/08 12:58/eli-c
Chloride	ND	mg/L		1		1	E300.0	03/31/08 23:06/jmh
Fluoride	ND	mg/L		0.1		1	E300.0	03/31/08 23:06/jmh
Magnesium	ND	mg/L		0.5		2	E200.7	04/11/08 12:58/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	04/04/08 10:34/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	03/31/08 23:06/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	03/31/08 23:06/jmh
Potassium	ND	mg/L		0.5		2	E200.7	04/11/08 12:58/eli-c
Silica	ND	mg/L		0.5		2	E200.7	04/11/08 12:58/eli-c
Sodium	ND	mg/L		0.5		2	E200.7	04/11/08 12:58/eli-c
Sulfate	ND	mg/L		1		1	E300.0	03/31/08 23:06/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	5.7	umhos/cm		5.0		1	A2510 B	04/01/08 11:49/jmh
Oxidation-Reduction Potential	280	mV				1	A2580 B	04/04/08 00:00/jmh
pH	5.37	s.u.		0.01		1	A4500-H B	04/01/08 11:21/jmh
Sodium Adsorption Ratio (SAR)	ND	unitless		0.10		1	Calculation	06/17/08 00:00/ADM
Solids, Total Dissolved TDS @ 180 C	28	mg/L		5		1	A2540 C	03/31/08 13:50/mb
- SAR calculations may not be appropriate for near blank results.								
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	04/11/08 12:58/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	04/16/08 02:06/eli-c
Barium	ND	mg/L		0.1		2	E200.7	04/11/08 12:58/eli-c
Boron	ND	mg/L		0.1		2	E200.7	04/11/08 12:58/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/16/08 02:06/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	04/11/08 12:58/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/16/08 02:06/eli-c
Iron	ND	mg/L		0.03		2	E200.7	04/11/08 12:58/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/16/08 02:06/eli-c
Manganese	ND	mg/L		0.01		2	E200.7	04/11/08 12:58/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	04/16/08 02:06/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	04/11/08 12:58/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/16/08 02:06/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/07/08 12:21/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/15/08 04:44/eli-c

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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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030315-005
Client Sample ID: DewBurd BLK01

Report Date: 07/29/08
Collection Date: 03/30/08 15:10
Date Received: 03/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	04/16/08 02:06/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	04/16/08 02:06/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	04/11/08 12:58/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	04/11/08 12:58/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	04/15/08 23:03/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/07/08 09:45/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/07/08 15:12/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	-0.3	pCi/L	U			1	E900.0	04/12/08 02:38/eli-c
Gross Alpha precision (±)	0.6	pCi/L				1	E900.0	04/12/08 02:38/eli-c
Gross Alpha MDC	1.0	pCi/L				1	E900.0	04/12/08 02:38/eli-c
Gross Beta	-4	pCi/L				1	E900.0	04/12/08 02:38/eli-c
Gross Beta precision (±)	1.5	pCi/L				1	E900.0	04/12/08 02:38/eli-c
Gross Beta MDC	2.6	pCi/L				1	E900.0	04/12/08 02:38/eli-c
Lead 210	-4.2	pCi/L	U	1.0		1	E909.0M	04/08/08 08:15/eli-c
Lead 210 precision (±)	1.8	pCi/L				1	E909.0M	04/08/08 08:15/eli-c
Polonium 210	2.1	pCi/L		1 0		1	RMO-3008	04/03/08 14:30/eli-c
Polonium 210 precision (±)	1.4	pCi/L				1	RMO-3008	04/03/08 14:30/eli-c
Radium 226	0.2	pCi/L	U			1	E903.0	04/20/08 04:29/eli-c
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	04/20/08 04:29/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	04/20/08 04:29/eli-c
Thorium 230	0.4	pCi/L		0.2		1	E907.0	04/07/08 14:30/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	04/07/08 14:30/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	04/04/08 16:45/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	04/04/08 16:45/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-3.8	pCi/L	U	1 0		1	E909.0M	04/10/08 09:00/eli-c
Lead 210 precision (±)	0.9	pCi/L				1	E909.0M	04/10/08 09:00/eli-c
Polonium 210	0.4	pCi/L	U	1.0		1	RMO-3008	04/07/08 17:00/eli-c
Polonium 210 precision (±)	0.40	pCi/L				1	RMO-3008	04/07/08 17:00/eli-c
Radium 226	1.1	pCi/L				1	E903.0	04/22/08 12:16/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	04/22/08 12:16/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	04/22/08 12:16/eli-c

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ND - Not detected at the reporting limit
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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030315-005
Client Sample ID: DewBurd BLK01

Report Date: 07/29/08
Collection Date: 03/30/08 15:10
Date Received: 03/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	04/09/08 15:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/09/08 15:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	126	pCi/L		100		1	D5072-92	04/03/08 18:27/eli-c
Radon 222 precision (±)	74.1	pCi/L				1	D5072-92	04/03/08 18:27/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	04/15/08 02:35/eli-c
Arsenic	0.003	mg/L	D	0.003		1	E200.8	04/15/08 02:35/eli-c
Barium	ND	mg/L		0.1		2	E200.7	04/10/08 15:10/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	04/15/08 02:35/eli-c
Boron	ND	mg/L		0.1		2	E200.7	04/10/08 15:10/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/15/08 02:35/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	04/10/08 15:10/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/15/08 02:35/eli-c
Iron	ND	mg/L		0.03		2	E200.7	04/10/08 15:10/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/15/08 02:35/eli-c
Manganese	ND	mg/L		0.01		2	E200.7	04/10/08 15:10/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	04/11/08 13:31/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	04/15/08 02:35/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/15/08 02:35/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	04/15/08 02:35/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/15/08 02:35/eli-c
Strontium	ND	mg/L		0.1		1	E200.8	04/15/08 02:35/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	04/15/08 02:35/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	04/15/08 02:35/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	04/15/08 02:35/eli-c

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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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030315-006
Client Sample ID: DewBurd GW697

Report Date: 07/29/08
Collection Date: 03/30/08 16:36
Date Received: 03/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	166	mg/L		5		1	A2320 B	04/01/08 13:30/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/01/08 13:30/mb
Bicarbonate as HCO3	202	mg/L		5		1	A2320 B	04/01/08 13:30/mb
Calcium	49.2	mg/L		0.5		2	E200.7	04/11/08 13:01/eli-c
Chloride	10	mg/L		1		1	E300.0	04/01/08 00:08/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	04/01/08 00:08/jmh
Magnesium	16.9	mg/L		0.5		2	E200.7	04/11/08 13:01/eli-c
Nitrogen, Ammonia as N	0.1	mg/L		0.1		1	A4500-NH3 G	04/04/08 10:38/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	04/01/08 00:08/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	04/01/08 00:08/jmh
Potassium	8.1	mg/L		0.5		2	E200.7	04/11/08 13:01/eli-c
Silica	7.4	mg/L		0.5		2	E200.7	04/11/08 13:01/eli-c
Sodium	197	mg/L		0.5		2	E200.7	04/11/08 13:01/eli-c
Sulfate	452	mg/L	D	3		50	E300.0	03/31/08 23:52/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1250	umhos/cm		5.0		1	A2510 B	04/01/08 11:50/jmh
Oxidation-Reduction Potential	200	mV				1	A2580 B	04/04/08 00:00/jmh
pH	7.83	s.u.		0.01		1	A4500-H B	04/01/08 11:22/jmh
Sodium Adsorption Ratio (SAR)	6.2	unitless		0.10		1	Calculation	06/17/08 11:18/ADM
Solids, Total Dissolved TDS @ 180 C	800	mg/L		5		1	A2540 C	03/31/08 13:50/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	04/11/08 13:01/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	04/16/08 02:12/eli-c
Barium	ND	mg/L		0.1		2	E200.7	04/11/08 13:01/eli-c
Boron	ND	mg/L		0.1		2	E200.7	04/11/08 13:01/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/16/08 02:12/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	04/11/08 13:01/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/16/08 02:12/eli-c
Iron	0.03	mg/L		0.03		2	E200.7	04/11/08 13:01/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/16/08 02:12/eli-c
Manganese	0.05	mg/L		0.01		2	E200.7	04/11/08 13:01/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	04/16/08 02:12/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	04/11/08 13:01/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/16/08 02:12/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/07/08 12:23/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/15/08 04:50/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	04/16/08 02:12/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030315-006
Client Sample ID: DewBurd GW697

Report Date: 07/29/08
Collection Date: 03/30/08 16:36
Date Received: 03/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	ND	mg/L		0.0003		1	E200.8	04/16/08 02:12/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	04/11/08 13:01/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	04/11/08 13:01/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	04/15/08 23:10/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/07/08 09:48/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/07/08 15:12/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	6.1	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Gross Alpha precision (±)	2.6	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Gross Alpha MDC	3.5	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Gross Beta	6.8	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Gross Beta precision (±)	2.2	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Gross Beta MDC	3.5	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Lead 210	-23	pCi/L	U	1.0		1	E909.0M	04/08/08 08:15/eli-c
Lead 210 precision (±)	3.8	pCi/L				1	E909.0M	04/08/08 08:15/eli-c
Polonium 210	1.1	pCi/L		1.0		1	RMO-3008	04/03/08 14:30/eli-c
Polonium 210 precision (±)	1.2	pCi/L				1	RMO-3008	04/03/08 14:30/eli-c
Radium 226	1.5	pCi/L				1	E903.0	04/20/08 05:59/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	04/20/08 05:59/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	04/20/08 05:59/eli-c
Thorium 230	0.4	pCi/L		0.2		1	E907.0	04/07/08 14:30/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	04/07/08 14:30/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	04/04/08 16:45/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	04/04/08 16:45/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-2.8	pCi/L	U	1.0		1	E909.0M	04/10/08 09:00/eli-c
Lead 210 precision (±)	0.8	pCi/L				1	E909.0M	04/10/08 09:00/eli-c
Polonium 210	0.9	pCi/L	U	1.0		1	RMO-3008	04/07/08 17:00/eli-c
Polonium 210 precision (±)	0.57	pCi/L				1	RMO-3008	04/07/08 17:00/eli-c
Radium 226	0.6	pCi/L				1	E903.0	04/22/08 12:16/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	04/22/08 12:16/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	04/22/08 12:16/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	04/09/08 15:00/eli-c

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: RESPEC Inc
Project: Edgemont
Lab ID: R08030315-006
Client Sample ID: DewBurd GW697

Report Date: 07/29/08
Collection Date: 03/30/08 16:36
Date Received: 03/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/09/08 15:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	323	pCi/L		100		1	D5072-92	04/03/08 18:27/eli-c
Radon 222 precision (±)	76.0	pCi/L				1	D5072-92	04/03/08 18:27/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	04/15/08 03:09/eli-c
Arsenic	ND	mg/L	D	0.003		1	E200.8	04/15/08 03:09/eli-c
Barium	ND	mg/L		0.1		2	E200.7	04/10/08 15:13/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	04/15/08 03:09/eli-c
Boron	ND	mg/L		0.1		2	E200.7	04/10/08 15:13/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/15/08 03:09/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	04/10/08 15:13/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/15/08 03:09/eli-c
Iron	0.06	mg/L		0.03		2	E200.7	04/10/08 15:13/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/15/08 03:09/eli-c
Manganese	0.05	mg/L		0.01		2	E200.7	04/10/08 15:13/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	04/11/08 13:38/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	04/15/08 03:09/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/15/08 03:09/eli-c
Selenium	0.001	mg/L		0.001		1	E200.8	04/15/08 03:09/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/15/08 03:09/eli-c
Strontium	1.1	mg/L		0.1		1	E200.8	04/15/08 03:09/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	04/15/08 03:09/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	04/15/08 03:09/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	04/15/08 03:09/eli-c
DATA QUALITY								
A/C Balance (± 5)	-1.53					1	A1030 E	06/17/08 00:00/ADM
Anions	13.0	meq/L				1	A1030 E	06/17/08 00:00/ADM
Cations	12.6	meq/L				1	A1030 E	06/17/08 00:00/ADM
Solids, Total Dissolved Calculated	853	mg/L				1	A1030 E	06/17/08 00:00/ADM
TDS Balance (0.80 - 1.20)	0.930					1	A1030 E	06/17/08 00:00/ADM

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D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030315-007
Client Sample ID: DewBurd GW689

Report Date: 07/29/08
Collection Date: 03/30/08 17:25
Date Received: 03/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	150	mg/L		5		1	A2320 B	04/01/08 13:34/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/01/08 13:34/mb
Bicarbonate as HCO3	183	mg/L		5		1	A2320 B	04/01/08 13:34/mb
Calcium	43.8	mg/L		0.5		2	E200.7	04/11/08 13:05/eli-c
Chloride	7	mg/L		1		1	E300.0	04/01/08 00:38/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	04/01/08 00:38/jmh
Magnesium	15.6	mg/L		0.5		2	E200.7	04/11/08 13:05/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	04/04/08 10:39/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	04/01/08 00:38/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	04/01/08 00:38/jmh
Potassium	7.4	mg/L		0.5		2	E200.7	04/11/08 13:05/eli-c
Silica	77	mg/L		0.5		2	E200.7	04/11/08 13:05/eli-c
Sodium	165	mg/L		0.5		2	E200.7	04/11/08 13:05/eli-c
Sulfate	421	mg/L	D	3		50	E300.0	04/01/08 00:23/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1080	umhos/cm		5.0		1	A2510 B	04/01/08 11:52/jmh
Oxidation-Reduction Potential	190	mV				1	A2580 B	04/04/08 00:00/jmh
pH	7.85	s.u.		0.01		1	A4500-H B	04/01/08 11:22/jmh
Sodium Adsorption Ratio (SAR)	5.4	unitless		0.10		1	Calculation	06/17/08 11:18/ADM
Solids, Total Dissolved TDS @ 180 C	720	mg/L		5		1	A2540 C	03/31/08 13:51/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	04/11/08 13:05/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	04/16/08 02:19/eli-c
Barium	ND	mg/L		0.1		2	E200.7	04/11/08 13:05/eli-c
Boron	ND	mg/L		0.1		2	E200.7	04/11/08 13:05/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/16/08 02:19/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	04/11/08 13:05/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/16/08 02:19/eli-c
Iron	ND	mg/L		0.03		2	E200.7	04/11/08 13:05/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/16/08 02:19/eli-c
Manganese	0.03	mg/L		0.01		2	E200.7	04/11/08 13:05/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	04/16/08 02:19/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	04/11/08 13:05/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/16/08 02:19/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/07/08 12:30/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/15/08 04:57/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	04/16/08 02:19/eli-c

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030315-007
Client Sample ID: DewBurd GW689

Report Date: 07/29/08
Collection Date: 03/30/08 17:25
Date Received: 03/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.0032	mg/L		0.0003		1	E200.8	04/16/08 02:19/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	04/11/08 13:05/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	04/11/08 13:05/eli-c
METALS - SUSPENDED								
Uranium	0.0005	mg/L		0.0003		1	E200.8	04/15/08 23:17/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/07/08 09:59/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/07/08 15:12/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	64.3	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Gross Alpha precision (±)	5.1	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Gross Alpha MDC	3.0	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Gross Beta	21.2	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Gross Beta precision (±)	2.2	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Gross Beta MDC	3.1	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Lead 210	-31	pCi/L	U	1.0		1	E909.0M	04/08/08 08:15/eli-c
Lead 210 precision (±)	4.4	pCi/L				1	E909.0M	04/08/08 08:15/eli-c
Polonium 210	1.1	pCi/L		1.0		1	RMO-3008	04/03/08 14:30/eli-c
Polonium 210 precision (±)	1.1	pCi/L				1	RMO-3008	04/03/08 14:30/eli-c
Radium 226	7.9	pCi/L				1	E903.0	04/20/08 07:30/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	04/20/08 07:30/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	04/20/08 07:30/eli-c
Thorium 230	0.2	pCi/L	U	0.2		1	E907.0	04/07/08 14:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/07/08 14:30/eli-c
Gross Gamma	86	pCi/L		20		1	E901.1	04/04/08 16:45/eli-c
Gross Gamma precision (±)	25	pCi/L				1	E901.1	04/04/08 16:45/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	04/10/08 09:00/eli-c
Lead 210 precision (±)	0.5	pCi/L				1	E909.0M	04/10/08 09:00/eli-c
Polonium 210	0.6	pCi/L	U	1.0		1	RMO-3008	04/07/08 17:00/eli-c
Polonium 210 precision (±)	0.45	pCi/L				1	RMO-3008	04/07/08 17:00/eli-c
Radium 226	2.0	pCi/L				1	E903.0	04/22/08 12:16/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	04/22/08 12:16/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	04/22/08 12:16/eli-c
Thorium 230	0.2	pCi/L		0.2		1	E907.0	04/09/08 15:00/eli-c

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030315-007
Client Sample ID: DewBurd GW689

Report Date: 07/29/08
Collection Date: 03/30/08 17:25
Date Received: 03/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	04/09/08 15:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	1950	pCi/L		100		1	D5072-92	04/03/08 18:27/eli-c
Radon 222 precision (±)	94.4	pCi/L				1	D5072-92	04/03/08 18:27/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	04/15/08 03:16/eli-c
Arsenic	ND	mg/L	D	0.003		1	E200.8	04/15/08 03:16/eli-c
Barium	ND	mg/L		0.1		2	E200.7	04/10/08 15:17/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	04/15/08 03:16/eli-c
Boron	ND	mg/L		0.1		2	E200.7	04/10/08 15:17/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/15/08 03:16/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	04/10/08 15:17/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/15/08 03:16/eli-c
Iron	0.72	mg/L		0.03		2	E200.7	04/10/08 15:17/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/15/08 03:16/eli-c
Manganese	0.06	mg/L		0.01		2	E200.7	04/10/08 15:17/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	04/11/08 13:40/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	04/15/08 03:16/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/15/08 03:16/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	04/15/08 03:16/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/15/08 03:16/eli-c
Strontium	0.9	mg/L		0.1		1	E200.8	04/15/08 03:16/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	04/15/08 03:16/eli-c
Uranium	0.0041	mg/L		0.0003		1	E200.8	04/15/08 03:16/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	04/15/08 03:16/eli-c
DATA QUALITY								
A/C Balance (± 5)	-4.96					1	A1030 E	06/17/08 00:00/ADM
Anions	12.0	meq/L				1	A1030 E	06/17/08 00:00/ADM
Cations	10.8	meq/L				1	A1030 E	06/17/08 00:00/ADM
Solids, Total Dissolved Calculated	771	mg/L				1	A1030 E	06/17/08 00:00/ADM
TDS Balance (0.80 - 1.20)	0.930					1	A1030 E	06/17/08 00:00/ADM

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MCL - Maximum contaminant level.
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D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030315-008
Client Sample ID: DewBurd GW681

Report Date: 07/29/08
Collection Date: 03/30/08 17:50
Date Received: 03/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	172	mg/L		5		1	A2320 B	04/01/08 13:45/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/01/08 13:45/mb
Bicarbonate as HCO3	210	mg/L		5		1	A2320 B	04/01/08 13:45/mb
Calcium	59.9	mg/L		0.5		2	E200.7	04/11/08 13:18/eli-c
Chloride	17	mg/L		1		1	E300.0	04/01/08 01:40/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	04/01/08 01:40/jmh
Magnesium	23.9	mg/L		0.5		2	E200.7	04/11/08 13:18/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	04/04/08 10:40/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	04/01/08 01:40/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	04/01/08 01:40/jmh
Potassium	9.2	mg/L		0.5		2	E200.7	04/11/08 13:18/eli-c
Silica	7.2	mg/L		0.5		2	E200.7	04/11/08 13:18/eli-c
Sodium	197	mg/L		0.5		2	E200.7	04/11/08 13:18/eli-c
Sulfate	478	mg/L	D	3		50	E300.0	04/01/08 01:25/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1320	umhos/cm		5.0		1	A2510 B	04/01/08 11:54/jmh
Oxidation-Reduction Potential	170	mV				1	A2580 B	04/04/08 00:00/jmh
pH	7.80	s.u.		0.01		1	A4500-H B	04/01/08 11:24/jmh
Sodium Adsorption Ratio (SAR)	5.4	unitless		0.10		1	Calculation	06/17/08 18:29/ADM
Solids, Total Dissolved TDS @ 180 C	910	mg/L		5		1	A2540 C	03/31/08 13:53/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	04/11/08 13:18/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	04/16/08 02:26/eli-c
Barium	ND	mg/L		0.1		2	E200.7	04/11/08 13:18/eli-c
Boron	ND	mg/L		0.1		2	E200.7	04/11/08 13:18/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/16/08 02:26/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	04/11/08 13:18/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/16/08 02:26/eli-c
Iron	ND	mg/L		0.03		2	E200.7	04/11/08 13:18/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/16/08 02:26/eli-c
Manganese	0.08	mg/L		0.01		2	E200.7	04/11/08 13:18/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	04/16/08 02:26/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	04/11/08 13:18/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/16/08 02:26/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/07/08 12:32/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/15/08 05:04/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	04/16/08 02:26/eli-c

Report Definitions:
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MDC - 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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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030315-008
Client Sample ID: DewBurd GW681

Report Date: 07/29/08
Collection Date: 03/30/08 17:50
Date Received: 03/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.0092	mg/L		0.0003		1	E200.8	04/16/08 02:26/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	04/11/08 13:18/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	04/11/08 13:18/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	04/15/08 23:23/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/07/08 10:01/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/07/08 15:12/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	2170	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Gross Alpha precision (±)	30.8	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Gross Alpha MDC	3.8	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Gross Beta	659	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Gross Beta precision (±)	8.1	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Gross Beta MDC	4.0	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	04/08/08 08:15/eli-c
Lead 210 precision (±)	3.3	pCi/L				1	E909.0M	04/08/08 08:15/eli-c
Polonium 210	0.6	pCi/L	U	1.0		1	RMO-3008	04/03/08 14:30/eli-c
Polonium 210 precision (±)	0.80	pCi/L				1	RMO-3008	04/03/08 14:30/eli-c
Radium 226	414	pCi/L				1	E903.0	04/20/08 07:36/eli-c
Radium 226 precision (±)	14.8	pCi/L				1	E903.0	04/20/08 07:36/eli-c
Radium 226 MDC	1.1	pCi/L				1	E903.0	04/20/08 07:36/eli-c
Thorium 230	0.3	pCi/L		0.2		1	E907.0	04/07/08 14:30/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	04/07/08 14:30/eli-c
Gross Gamma	2300	pCi/L		20		1	E901.1	04/04/08 16:45/eli-c
Gross Gamma precision (±)	82	pCi/L				1	E901.1	04/04/08 16:45/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	16.8	pCi/L		1.0		1	E909.0M	04/10/08 09:00/eli-c
Lead 210 precision (±)	1.8	pCi/L				1	E909.0M	04/10/08 09:00/eli-c
Polonium 210	1.2	pCi/L		1.0		1	RMO-3008	04/07/08 17:00/eli-c
Polonium 210 precision (±)	0.57	pCi/L				1	RMO-3008	04/07/08 17:00/eli-c
Radium 226	3.5	pCi/L				1	E903.0	04/22/08 13:51/eli-c
Radium 226 precision (±)	0.6	pCi/L				1	E903.0	04/22/08 13:51/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	04/22/08 13:51/eli-c
Thorium 230	0.2	pCi/L	U	0.2		1	E907.0	04/09/08 15:00/eli-c

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

ENERGY LABORATORIES, INC. * 2821 Plant St * Rapid City, SD 57702
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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030315-008
Client Sample ID: DewBurd GW681

Report Date: 07/29/08
Collection Date: 03/30/08 17:50
Date Received: 03/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	04/09/08 15:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	254000	pCi/L		100		1	D5072-92	04/03/08 18:27/eli-c
Radon 222 precision (±)	711	pCi/L				1	D5072-92	04/03/08 18:27/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	04/15/08 03:23/eli-c
Arsenic	0.005	mg/L	D	0.003		1	E200.8	04/15/08 03:23/eli-c
Barium	ND	mg/L		0.1		2	E200.7	04/10/08 15:20/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	04/15/08 03:23/eli-c
Boron	ND	mg/L		0.1		2	E200.7	04/10/08 15:20/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/15/08 03:23/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	04/10/08 15:20/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/15/08 03:23/eli-c
Iron	ND	mg/L		0.03		2	E200.7	04/10/08 15:20/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/15/08 03:23/eli-c
Manganese	0.08	mg/L		0.01		2	E200.7	04/10/08 15:20/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	04/11/08 13:47/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	04/15/08 03:23/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/15/08 03:23/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	04/15/08 03:23/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/15/08 03:23/eli-c
Strontium	1.2	mg/L		0.1		1	E200.8	04/15/08 03:23/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	04/15/08 03:23/eli-c
Uranium	0.0099	mg/L		0.0003		1	E200.8	04/15/08 03:23/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	04/15/08 03:23/eli-c
DATA QUALITY								
A/C Balance (± 5)	-0.500					1	A1030 E	06/17/08 00:00/ADM
Anions	13.9	meq/L				1	A1030 E	06/17/08 00:00/ADM
Cations	13.8	meq/L				1	A1030 E	06/17/08 00:00/ADM
Solids, Total Dissolved Calculated	908	mg/L				1	A1030 E	06/17/08 00:00/ADM
TDS Balance (0.80 - 1.20)	1.01					1	A1030 E	06/17/08 00:00/ADM

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.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030315-009
Client Sample ID: DewBurd GW3026

Report Date: 07/29/08
Collection Date: 03/30/08 18:45
Date Received: 03/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	130	mg/L		5		1	A2320 B	04/01/08 13:40/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/01/08 13:40/mb
Bicarbonate as HCO3	158	mg/L		5		1	A2320 B	04/01/08 13:40/mb
Calcium	284	mg/L		0.5		2	E200.7	04/11/08 13:21/eli-c
Chloride	37	mg/L	D	5		50	E300.0	04/01/08 00:54/jmh
Fluoride	0.6	mg/L		0.1		1	E300.0	04/01/08 01:09/jmh
Magnesium	67.9	mg/L		0.5		2	E200.7	04/11/08 13:21/eli-c
Nitrogen, Ammonia as N	1.2	mg/L		0.1		2	A4500-NH3 G	04/04/08 11:02/jmh
Nitrogen, Nitrate as N	0.1	mg/L		0.1		1	E300.0	04/01/08 01:09/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	04/01/08 01:09/jmh
Potassium	21.3	mg/L		0.5		2	E200.7	04/11/08 13:21/eli-c
Silica	5.7	mg/L		0.5		2	E200.7	04/11/08 13:21/eli-c
Sodium	271	mg/L		0.5		2	E200.7	04/11/08 13:21/eli-c
Sulfate	1470	mg/L	D	3		50	E300.0	04/01/08 00:54/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2770	umhos/cm		5.0		1	A2510 B	04/01/08 11:53/jmh
Oxidation-Reduction Potential	200	mV				1	A2580 B	04/04/08 00:00/jmh
pH	7.63	s.u.		0.01		1	A4500-H B	04/01/08 11:23/jmh
Sodium Adsorption Ratio (SAR)	3.7	unitless		0.10		1	Calculation	06/17/08 18:29/ADM
Solids, Total Dissolved TDS @ 180 C	2300	mg/L		5		1	A2540 C	03/31/08 13:51/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	04/11/08 13:21/eli-c
Arsenic	0.004	mg/L		0.001		1	E200.8	04/16/08 02:33/eli-c
Barium	ND	mg/L		0.1		2	E200.7	04/11/08 13:21/eli-c
Boron	ND	mg/L		0.1		2	E200.7	04/11/08 13:21/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/16/08 02:33/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	04/11/08 13:21/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/16/08 02:33/eli-c
Iron	0.10	mg/L		0.03		2	E200.7	04/11/08 13:21/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/16/08 02:33/eli-c
Manganese	0.42	mg/L		0.01		2	E200.7	04/11/08 13:21/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	04/16/08 02:33/eli-c
Molybdenum	0.2	mg/L		0.1		2	E200.7	04/11/08 13:21/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/15/08 05:11/eli-c
Selenium	0.006	mg/L		0.001		1	A3114 B	04/07/08 12:34/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/16/08 02:33/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	04/16/08 02:33/eli-c

Report Definitions:
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MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08030315-009
Client Sample ID: DewBurd GW3026

Report Date: 07/29/08
Collection Date: 03/30/08 18:45
Date Received: 03/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.0151	mg/L		0.0003		1	E200.8	04/16/08 02:33/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	04/11/08 13:21/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	04/11/08 13:21/eli-c
- The Uranium result was confirmed by re-analysis.								
METALS - SUSPENDED								
Uranium	0.0040	mg/L		0.0003		1	E200.8	04/15/08 23:30/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/07/08 10:04/eli-c
Selenium-VI	0.006	mg/L		0.001		1	A3114 B	04/07/08 15:12/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	47.6	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Gross Alpha precision (±)	8.9	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Gross Alpha MDC	9.2	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Gross Beta	21.1	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Gross Beta precision (±)	5.9	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Gross Beta MDC	9.3	pCi/L				1	E900.0	04/12/08 22:49/eli-c
Lead 210	ND	pCi/L	U	1.0		1	E909.0M	04/08/08 08:15/eli-c
Lead 210 precision (±)	2.1	pCi/L				1	E909.0M	04/08/08 08:15/eli-c
Polonium 210	0.4	pCi/L	U	1.0		1	RMO-3008	04/03/08 14:30/eli-c
Polonium 210 precision (±)	0.80	pCi/L				1	RMO-3008	04/03/08 14:30/eli-c
Radium 226	3.6	pCi/L				1	E903.0	04/20/08 09:07/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	04/20/08 09:07/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	04/20/08 09:07/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	04/07/08 14:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/07/08 14:30/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	04/04/08 16:45/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	04/04/08 16:45/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-3.0	pCi/L	U	1 0		1	E909.0M	04/10/08 09:00/eli-c
Lead 210 precision (±)	0.8	pCi/L				1	E909.0M	04/10/08 09:00/eli-c
Polonium 210	1.9	pCi/L		1.0		1	RMO-3008	04/07/08 17:00/eli-c
Polonium 210 precision (±)	0.88	pCi/L				1	RMO-3008	04/07/08 17:00/eli-c
Radium 226	3.3	pCi/L				1	E903.0	04/22/08 13:51/eli-c
Radium 226 precision (±)	0.6	pCi/L				1	E903.0	04/22/08 13:51/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	04/22/08 13:51/eli-c

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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: RESPEC Inc
Project: Edgemont
Lab ID: R08030315-009
Client Sample ID: DewBurd GW3026

Report Date: 07/29/08
Collection Date: 03/30/08 18:45
Date Received: 03/31/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Thorium 230	1	pCi/L		0.2		1	E907.0	04/09/08 15:00/eli-c
Thorium 230 precision (±)	0.4	pCi/L				1	E907.0	04/09/08 15:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	440	pCi/L		100		1	D5072-92	04/03/08 18:27/eli-c
Radon 222 precision (±)	76.3	pCi/L				1	D5072-92	04/03/08 18:27/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	04/15/08 03:29/eli-c
Arsenic	0.023	mg/L		0.001		1	E200.8	04/15/08 03:29/eli-c
Barium	ND	mg/L		0.1		2	E200.7	04/10/08 15:23/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	04/15/08 03:29/eli-c
Boron	ND	mg/L		0.1		2	E200.7	04/10/08 15:23/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/15/08 03:29/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	04/10/08 15:23/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/15/08 03:29/eli-c
Iron	1.75	mg/L		0.03		2	E200.7	04/10/08 15:23/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/15/08 03:29/eli-c
Manganese	0.13	mg/L		0.01		2	E200.7	04/10/08 15:23/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	04/11/08 13:50/eli-b
Molybdenum	0.3	mg/L		0.1		1	E200.8	04/15/08 03:29/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/15/08 03:29/eli-c
Selenium	0.007	mg/L		0.001		1	E200.8	04/15/08 03:29/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/15/08 03:29/eli-c
Strontium	4.8	mg/L		0.1		1	E200.8	04/15/08 03:29/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	04/15/08 03:29/eli-c
Uranium	0.0097	mg/L		0.0003		1	E200.8	06/06/08 16:14/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	04/15/08 03:29/eli-c
- The Uranium result was confirmed by re-digestion, and re-analysis.								
DATA QUALITY								
A/C Balance (± 5)	-2.96					1	A1030 E	06/17/08 00:00/ADM
Anions	34.2	meq/L				1	A1030 E	06/17/08 00:00/ADM
Cations	32.2	meq/L				1	A1030 E	06/17/08 00:00/ADM
Solids, Total Dissolved Calculated	2240	mg/L				1	A1030 E	06/17/08 00:00/ADM
TDS Balance (0.80 - 1.20)	1.03					1	A1030 E	06/17/08 00:00/ADM

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MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08030315

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 080401A-ALK-SEL-W	
Sample ID: LCS1_080401A	Laboratory Control Sample				Run: PH_COND1-R_080401A			04/01/08 12:24	
Alkalinity, Total as CaCO3	972	mg/L	5.0	97	90	110			
Sample ID: MBLK1_080401A	Method Blank				Run: PH_COND1-R_080401A			04/01/08 12:36	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Sample ID: R08030315-001ADUP	Sample Duplicate				Run: PH_COND1-R_080401A			04/01/08 00:00	
Alkalinity, Total as CaCO3	204	mg/L	5.0				0.0	10	
Carbonate as CO3	ND	mg/L	5.0				0.0	10	
Bicarbonate as HCO3	249	mg/L	5.0				0.0	10	
Sample ID: R08030315-003AMS	Sample Matrix Spike				Run: PH_COND1-R_080401A			04/01/08 13:14	
Alkalinity, Total as CaCO3	226	mg/L	5.0	98	80	120			
Method: A2510 B								Batch: 080401_1_COND-PROBE-W	
Sample ID: LCS1-1_080401	Laboratory Control Sample				Run: PH_COND2-R_080401A			04/01/08 11:30	
Conductivity @ 25 C	147	umhos/cm	5.0	98	90	110			
Sample ID: LCS2-1_080401	Laboratory Control Sample				Run: PH_COND2-R_080401A			04/01/08 11:32	
Conductivity @ 25 C	4640	umhos/cm	5.0	93	90	110			
Sample ID: LCS_COND-1_080401	Laboratory Control Sample				Run: PH_COND2-R_080401A			04/01/08 11:33	
Conductivity @ 25 C	1400	umhos/cm	5.0	99	90	110			
Sample ID: MBLK-1_080401	Method Blank				Run: PH_COND2-R_080401A			04/01/08 11:34	
Conductivity @ 25 C	ND	umhos/cm	5						
Sample ID: R08030315-005ADUP	Sample Duplicate				Run: PH_COND2-R_080401A			04/01/08 11:49	
Conductivity @ 25 C	5.58	umhos/cm	5.0				2.0	10	
Method: A2540 C								Batch: 080331A-SLDS-TDS-W	
Sample ID: LCS1_080331A	Laboratory Control Sample				Run: BAL-4-R_080331A			03/31/08 08:28	
Solids, Total Dissolved TDS @ 180 C	200	mg/L	5.0	100	90	110			
Sample ID: MBLK1_080331A	Method Blank				Run: BAL-4-R_080331A			03/31/08 08:30	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: R08030315-001AMS	Sample Matrix Spike				Run: BAL-4-R_080331A			03/31/08 13:47	
Solids, Total Dissolved TDS @ 180 C	1200	mg/L	5.0	113	80	120			
Sample ID: R08030315-001AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080331A			03/31/08 13:48	
Solids, Total Dissolved TDS @ 180 C	1200	mg/L	5.0	119	80	120	1.0	10	

Qualifiers:

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08030315

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B									Batch: C_SE-3114-080407A
Sample ID: MBLK	Method Blank				Run: SUB-C99208				04/07/08 12:04
Selenium	ND	mg/L	6E-05						
Sample ID: 288-54-6	Laboratory Control Sample				Run: SUB-C99208				04/07/08 12:06
Selenium	0.050	mg/L	0.0010	100	90	110			
Sample ID: R08030315-001E	Sample Matrix Spike				Run: SUB-C99208				04/07/08 12:10
Selenium	0.050	mg/L	0.0010	98	85	115			
Sample ID: R08030315-001E	Sample Matrix Spike Duplicate				Run: SUB-C99208				04/07/08 12:12
Selenium	0.051	mg/L	0.0010	99	85	115	1.4	10	
Sample ID: C08040192-002EMS	Sample Matrix Spike				Run: SUB-C99208				04/07/08 12:41
Selenium	0.050	mg/L	0.0010	99	85	115			
Sample ID: C08040192-002EMSD	Sample Matrix Spike Duplicate				Run: SUB-C99208				04/07/08 12:43
Selenium	0.051	mg/L	0.0010	101	85	115	2.0	10	
Method: A3114 B									Batch: C_SEIV-3114-080407
Sample ID: MBLK	Method Blank				Run: SUB-C99195				04/07/08 09:27
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-54-6	Laboratory Control Sample				Run: SUB-C99195				04/07/08 09:29
Selenium-IV	0.045	mg/L	0.0010	91	90	110			
Sample ID: R08030315-001E	Sample Matrix Spike				Run: SUB-C99195				04/07/08 09:33
Selenium-IV	0.045	mg/L	0.0010	90	85	115			
Sample ID: R08030315-001E	Sample Matrix Spike Duplicate				Run: SUB-C99195				04/07/08 09:36
Selenium-IV	0.044	mg/L	0.0010	89	85	115	0.9	10	
Sample ID: C08040192-002EMS	Sample Matrix Spike				Run: SUB-C99195				04/07/08 10:10
Selenium-IV	0.043	mg/L	0.0010	86	85	115			
Sample ID: C08040192-002EMSD	Sample Matrix Spike Duplicate				Run: SUB-C99195				04/07/08 10:12
Selenium-IV	0.045	mg/L	0.0010	90	85	115	4.7	10	
Method: A4500-H B									Batch: 080401_1_PH-W
Sample ID: LCS_pH-1_080401	Laboratory Control Sample				Run: PH_COND2-R_080401A				04/01/08 11:13
pH	6.93	s.u.	0.010	101	98.55	101.45			
Sample ID: R08030302-001BDUP	Sample Duplicate				Run: PH_COND2-R_080401A				04/01/08 11:15
pH	7.20	s.u.	0.010				0.3	1.25	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08030315

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G								Batch: A2008-04-04_2_NH3_01	
Sample ID: MBLK-2	Method Blank				Run: TECHAA2-R_080404A			04/04/08 09:05	
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_080404A			04/04/08 09:06	
Nitrogen, Ammonia as N	0.24	mg/L	0.10	98	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_080404A			04/04/08 09:08	
Nitrogen, Ammonia as N	0.24	mg/L	0.10	98	90	110			
Sample ID: R08030315-005BMS	Sample Matrix Spike				Run: TECHAA2-R_080404A			04/04/08 10:35	
Nitrogen, Ammonia as N	0.22	mg/L	0.10	86	80	120			
Sample ID: R08030315-005BMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080404A			04/04/08 10:36	
Nitrogen, Ammonia as N	0.20	mg/L	0.10	81	80	120	6.2	10	
Sample ID: R08040003-001CMS	Sample Matrix Spike				Run: TECHAA2-R_080404A			04/04/08 10:49	
Nitrogen, Ammonia as N	0.19	mg/L	0.10	76	80	120			S
Sample ID: R08040003-001CMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080404A			04/04/08 10:50	
Nitrogen, Ammonia as N	0.19	mg/L	0.10	74	80	120	3.2	10	S
Method: D6072-92								Batch: C_R99230	
Sample ID: R08030315-002G	Sample Duplicate				Run: SUB-C99230			04/03/08 18:27	
Radon 222	29900	pCi/L	100				7.3	30	
Sample ID: C08040148-009GDUP	Sample Duplicate				Run: SUB-C99230			04/03/08 18:27	
Radon 222	464	pCi/L	100				5.5	30	
Sample ID: MB-R99230	Method Blank				Run: SUB-C99230			04/03/08 18:27	
Radon 222	-10	pCi/L							U
Sample ID: LCS-R99230	Laboratory Control Sample				Run: SUB-C99230			04/03/08 18:27	
Radon 222	298	pCi/L	100	98	70	130			

Qualifiers:

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

ENERGY LABORATORIES, INC. * 2821 Plant St * Rapid City, SD 57702
Toll Free 888.672.1225 * 605.342.1225 * FAX 605.342.1397 * rapid_city@energylab.com

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08030315

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_18205
Sample ID: MB-18205	Method Blank				Run: SUB-C99463				04/10/08 14:13
Barium	ND	mg/L	0.004						
Boron	ND	mg/L	0.006						
Chromium	0.005	mg/L	0.003						
Iron	0.007	mg/L	0.005						
Manganese	ND	mg/L	0.0008						
Sample ID: LCS-18205	Laboratory Control Sample				Run: SUB-C99463				04/10/08 14:16
Barium	0.484	mg/L	0.10	97	85	115			
Boron	0.478	mg/L	0.10	96	85	115			
Chromium	0.493	mg/L	0.050	98	85	115			
Iron	0.489	mg/L	0.030	96	85	115			
Manganese	0.478	mg/L	0.010	96	85	115			
Sample ID: R08030315-009D	Sample Matrix Spike				Run: SUB-C99463				04/10/08 15:27
Barium	0.481	mg/L	0.10	93	70	130			
Boron	0.520	mg/L	0.10	91	70	130			
Chromium	0.466	mg/L	0.050	93	70	130			
Iron	2.27	mg/L	0.030	103	70	130			
Manganese	0.594	mg/L	0.010	93	70	130			
Sample ID: R08030315-009D	Sample Matrix Spike Duplicate				Run: SUB-C99463				04/10/08 15:30
Barium	0.474	mg/L	0.10	92	70	130	1.5	20	
Boron	0.511	mg/L	0.10	89	70	130	1.8	20	
Chromium	0.460	mg/L	0.050	92	70	130	1.3	20	
Iron	2.28	mg/L	0.030	105	70	130	0.5	20	
Manganese	0.583	mg/L	0.010	91	70	130	1.8	20	

Qualifiers:

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ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08030315

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R99540
Sample ID: MB-080411A	Method Blank				Run: SUB-C99540				04/11/08 09:38
Silica	ND	mg/L	0.06						
Aluminum	ND	mg/L	0.008						
Barium	ND	mg/L	0.006						
Boron	ND	mg/L	0.004						
Calcium	ND	mg/L	0.04						
Chromium	ND	mg/L	0.003						
Copper	ND	mg/L	0.005						
Iron	0.003	mg/L	0.002						
Magnesium	ND	mg/L	0.04						
Manganese	0.0005	mg/L	0.0004						
Molybdenum	0.01	mg/L	0.01						
Potassium	ND	mg/L	0.08						
Sodium	ND	mg/L	0.06						
Vanadium	0.008	mg/L	0.006						
Zinc	ND	mg/L	0.004						
Sample ID: LFB-080411A	Laboratory Fortified Blank				Run: SUB-C99540				04/11/08 09:42
Silica	0.96	mg/L	0.10	96	85	125			
Aluminum	0.92	mg/L	0.10	92	85	125			
Barium	0.91	mg/L	0.10	91	85	125			
Boron	0.93	mg/L	0.10	93	85	125			
Calcium	49	mg/L	0.50	98	85	125			
Chromium	0.92	mg/L	0.050	92	85	125			
Copper	0.89	mg/L	0.010	89	85	125			
Iron	0.92	mg/L	0.030	91	85	125			
Magnesium	49	mg/L	0.50	98	85	125			
Manganese	0.90	mg/L	0.010	90	85	125			
Molybdenum	0.98	mg/L	0.10	96	85	125			
Potassium	45	mg/L	0.50	91	85	125			
Sodium	47	mg/L	0.50	94	85	125			
Vanadium	0.96	mg/L	0.10	95	85	125			
Zinc	0.93	mg/L	0.010	93	85	125			
Sample ID: C08040269-001CMS2	Sample Matrix Spike				Run: SUB-C99540				04/11/08 13:38
Aluminum	0.890	mg/L	0.10	84	70	130			
Barium	0.973	mg/L	0.10	86	70	130			
Boron	0.888	mg/L	0.10	85	70	130			
Calcium	124	mg/L	0.50	80	70	130			
Chromium	0.875	mg/L	0.050	86	70	130			
Copper	0.855	mg/L	0.010	83	70	130			
Iron	0.945	mg/L	0.030	86	70	130			
Magnesium	66.1	mg/L	0.50	87	70	130			
Manganese	0.921	mg/L	0.010	85	70	130			

Qualifiers:

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ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08030315

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R99540
Sample ID: C08040269-001CMS2	Sample Matrix Spike				Run: SUB-C99540				04/11/08 13:38
Molybdenum	0.903	mg/L	0.10	89	70	130			
Potassium	46.0	mg/L	0.50	87	70	130			
Sodium	59.6	mg/L	0.50	88	70	130			
Vanadium	0.916	mg/L	0.10	90	70	130			
Zinc	0.922	mg/L	0.010	90	70	130			
Sample ID: C08040269-001CMSD2	Sample Matrix Spike Duplicate				Run: SUB-C99540				04/11/08 13:41
Aluminum	0.904	mg/L	0.10	86	70	130	1.5	20	
Barium	0.974	mg/L	0.10	86	70	130	0.1	20	
Boron	0.902	mg/L	0.10	87	70	130	1.5	20	
Calcium	125	mg/L	0.50	82	70	130	0.6	20	
Chromium	0.881	mg/L	0.050	86	70	130	0.7	20	
Copper	0.859	mg/L	0.010	83	70	130	0.5	20	
Iron	0.957	mg/L	0.030	87	70	130	1.3	20	
Magnesium	66.6	mg/L	0.50	88	70	130	0.8	20	
Manganese	0.929	mg/L	0.010	86	70	130	0.9	20	
Molybdenum	0.935	mg/L	0.10	92	70	130	3.6	20	
Potassium	46.5	mg/L	0.50	88	70	130	1.3	20	
Sodium	60.4	mg/L	0.50	89	70	130	1.4	20	
Vanadium	0.925	mg/L	0.10	91	70	130	1.0	20	
Zinc	0.913	mg/L	0.010	90	70	130	1.0	20	
Sample ID: R08030315-001C	Sample Matrix Spike				Run: SUB-C99540				04/11/08 12:38
Aluminum	1.72	mg/L	0.10	84	70	130			
Barium	1.76	mg/L	0.10	87	70	130			
Boron	1.82	mg/L	0.10	86	70	130			
Chromium	1.73	mg/L	0.050	85	70	130			
Copper	1.68	mg/L	0.011	82	70	130			
Iron	1 75	mg/L	0.030	85	70	130			
Manganese	1.86	mg/L	0.010	84	70	130			
Molybdenum	1.87	mg/L	0.10	90	70	130			
Vanadium	1.83	mg/L	0.10	90	70	130			
Zinc	1.82	mg/L	0.010	89	70	130			
Calcium	180	mg/L	1.0	87	70	130			
Magnesium	126	mg/L	1.0	89	70	130			
Potassium	101	mg/L	1.0	87	70	130			
Silica	10.1	mg/L	0.12	98	70	130			
Sodium	246	mg/L	1.0	80	70	130			
Sample ID: R08030315-001C	Sample Matrix Spike Duplicate				Run: SUB-C99540				04/11/08 12:41
Aluminum	1.73	mg/L	0.10	85	70	130	0.7	20	
Barium	1.77	mg/L	0.10	87	70	130	0.6	20	
Boron	1.84	mg/L	0.10	87	70	130	1.0	20	

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08030315

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R99540
Sample ID: R08030315-001C	Sample Matrix Spike Duplicate				Run: SUB-C99540				04/11/08 12:41
Chromium	1.75	mg/L	0.050	86	70	130	0.8	20	
Copper	1.69	mg/L	0.011	83	70	130	0.4	20	
Iron	1.78	mg/L	0.030	87	70	130	1.7	20	
Manganese	1.87	mg/L	0.010	85	70	130	0.7	20	
Molybdenum	1.88	mg/L	0.10	90	70	130	0.5	20	
Vanadium	1.84	mg/L	0.10	90	70	130	0.4	20	
Zinc	1.83	mg/L	0.010	90	70	130	0.9	20	
Calcium	181	mg/L	1.0	87	70	130	0.5	20	
Magnesium	127	mg/L	1.0	90	70	130	0.8	20	
Potassium	102	mg/L	1.0	88	70	130	1.5	20	
Silica	10.2	mg/L	0.12	104	70	130	1.2	20	
Sodium	249	mg/L	1.0	83	70	130	1.1	20	

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08030315

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18205
Sample ID: MB-18205	Method Blank				Run: SUB-C99595				04/15/08 01:41
Antimony	0.0002	mg/L	0.0002						
Arsenic	0.002	mg/L	5E-05						
Beryllium	ND	mg/L	0.0001						
Cadmium	ND	mg/L	4E-05						
Copper	0.0004	mg/L	0.0002						
Lead	2E-05	mg/L							
Molybdenum	ND	mg/L	7E-05						
Nickel	ND	mg/L	0.0002						
Selenium	ND	mg/L	0.0002						
Silver	5E-05	mg/L	5E-05						
Strontium	ND	mg/L	8E-05						
Thallium	ND	mg/L	4E-05						
Uranium	ND	mg/L	3E-05						
Zinc	0.001	mg/L	0.0003						
Sample ID: LCS1-18205	Laboratory Control Sample				Run: SUB-C99595				04/15/08 01:48
Antimony	0.0214	mg/L	0.050	106	80	120			
Arsenic	0.0225	mg/L	0.0010	102	80	120			
Beryllium	0.0207	mg/L	0.010	103	80	120			
Cadmium	0.0208	mg/L	0.010	104	80	120			
Copper	0.0206	mg/L	0.010	101	80	120			
Lead	0.0206	mg/L	0.050	103	80	120			
Molybdenum	0.0211	mg/L	0.10	106	80	120			
Nickel	0.0202	mg/L	0.050	101	80	120			
Selenium	0.104	mg/L	0.0010	104	80	120			
Silver	0.0215	mg/L	0.010	107	80	120			
Strontium	0.0108	mg/L	0.10	108	80	120			
Thallium	0.0182	mg/L	0.10	91	80	120			
Uranium	0.0205	mg/L	0.00030	102	80	120			
Zinc	0.0216	mg/L	0.010	102	80	120			
Sample ID: R08030315-009D	Post Digestion Spike				Run: SUB-C99595				04/15/08 03:36
Antimony	0.0228	mg/L	0.050	102	70	130			
Arsenic	0.0424	mg/L	0.0010	96	70	130			
Beryllium	0.0189	mg/L	0.010	95	70	130			
Cadmium	0.0186	mg/L	0.010	93	70	130			
Copper	0.0215	mg/L	0.010	93	70	130			
Lead	0.0200	mg/L	0.050	99	70	130			
Molybdenum	0.328	mg/L	0.10		70	130			A
Nickel	0.0262	mg/L	0.050	95	70	130			
Selenium	0.105	mg/L	0.0010	98	70	130			
Silver	0.0189	mg/L	0.010	95	70	130			
Strontium	4.87	mg/L	0.10		70	130			A

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08030315

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18205
Sample ID: R08030315-009D	Post Digestion Spike				Run: SUB-C99595				04/15/08 03:36
Thallium	0.0180	mg/L	0.10	90	70	130			
Uranium	0.0305	mg/L	0.00030	106	70	130			
Zinc	0.0230	mg/L	0.010	76	70	130			
Sample ID: R08030315-009D	Post Digestion Spike Duplicate				Run: SUB-C99595				04/15/08 03:43
Antimony	0.0246	mg/L	0.050	111	70	130	0.0	20	
Arsenic	0.0443	mg/L	0.0010	105	70	130	4.5	20	
Beryllium	0.0215	mg/L	0.010	107	70	130	13	20	
Cadmium	0.0199	mg/L	0.010	99	70	130	6.9	20	
Copper	0.0228	mg/L	0.010	100	70	130	6.2	20	
Lead	0.0215	mg/L	0.050	106	70	130	0.0	20	
Molybdenum	0.334	mg/L	0.10		70	130	1.6	20	A
Nickel	0.0283	mg/L	0.050	105	70	130	0.0	20	
Selenium	0.114	mg/L	0.0010	107	70	130	8.4	20	
Silver	0.0203	mg/L	0.010	101	70	130	6.8	20	
Strontium	4.94	mg/L	0.10		70	130	1.6	20	A
Thallium	0.0196	mg/L	0.10	98	70	130	0.0	20	
Uranium	0.0321	mg/L	0.00030	114	70	130	5.3	20	
Zinc	0.0248	mg/L	0.010	85	70	130	7.5	20	
Method: E200.8									Batch: C_18209
Sample ID: MB-18209	Method Blank				Run: SUB-C99620				04/15/08 22:02
Uranium	0.0002	mg/L	2E-05						
Sample ID: LCS1-18209	Laboratory Control Sample				Run: SUB-C99620				04/15/08 22:09
Uranium	0.0599	mg/L	0.00030	114	80	120			
Sample ID: R08030315-009I	Post Digestion Spike				Run: SUB-C99620				04/15/08 23:37
Uranium	0.0644	mg/L	0.00030	121	70	130			
Sample ID: R08030315-009I	Post Digestion Spike Duplicate				Run: SUB-C99620				04/15/08 23:43
Uranium	0.0638	mg/L	0.00030	120	70	130	1.0	20	
Method: E200.8									Batch: C_18768
Sample ID: MB-18768	Method Blank				Run: SUB-C102298				06/06/08 16:00
Uranium	ND	mg/L	3E-05						
Sample ID: C08051073-001MMS3	Sample Matrix Spike				Run: SUB-C102298				06/06/08 18:56
Uranium	0.557	mg/L	0.00032	110	70	130			
Sample ID: C08051073-001MMSD3	Sample Matrix Spike Duplicate				Run: SUB-C102298				06/06/08 19:23
Uranium	0.572	mg/L	0.00032	113	70	130	2.6	20	

Qualifiers:

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ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08030315

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R99595
Sample ID: LRB	Method Blank				Run: SUB-C99595				04/14/08 18:01
Arsenic	ND	mg/L	6E-05						
Cadmium	ND	mg/L	1E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Nickel	ND	mg/L	0.0007						
Silver	0.0001	mg/L	3E-05						
Thorium 232	ND	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C99595				04/14/08 18:08
Arsenic	0.0495	mg/L	0.0010	99	85	115			
Cadmium	0.0504	mg/L	0.0010	101	85	115			
Copper	0.0506	mg/L	0.0010	101	85	115			
Lead	0.0495	mg/L	0.0010	99	85	115			
Nickel	0.0498	mg/L	0.0010	100	85	115			
Silver	0.0198	mg/L	0.0010	98	85	115			
Thorium 232	0.0492	mg/L	0.0010	98	85	115			
Uranium	0.0500	mg/L	0.00030	100	85	115			

Qualifiers:
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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08030315

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R99620
Sample ID: LRB	Method Blank				Run: SUB-C99620				04/15/08 12:38
Arsenic	ND	mg/L	6E-05						
Cadmium	ND	mg/L	1E-05						
Copper	0.0002	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Mercury	ND	mg/L	8E-05						
Nickel	ND	mg/L	0.0007						
Silver	ND	mg/L	3E-05						
Thorium 232	0.0002	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C99620				04/15/08 12:44
Arsenic	0.0526	mg/L	0.0010	105	85	115			
Cadmium	0.0524	mg/L	0.0010	105	85	115			
Copper	0.0533	mg/L	0.0010	106	85	115			
Lead	0.0528	mg/L	0.0010	106	85	115			
Mercury	0.00540	mg/L	0.0010	108	85	115			
Nickel	0.0528	mg/L	0.0010	106	85	115			
Silver	0.0204	mg/L	0.0010	102	85	115			
Thorium 232	0.0505	mg/L	0.0010	101	85	115			
Uranium	0.0514	mg/L	0.00030	103	85	115			
Sample ID: R08030315-009C	Post Digestion Spike				Run: SUB-C99620				04/16/08 02:39
Arsenic	0.0564	mg/L	0.0010	104	70	130			
Cadmium	0.0471	mg/L	0.010	94	70	130			
Copper	0.0492	mg/L	0.010	95	70	130			
Lead	0.0509	mg/L	0.050	102	70	130			
Mercury	0.00516	mg/L	0.0010	103	70	130			
Nickel	0.0550	mg/L	0.050	94	70	130			
Thorium 232	0.0512	mg/L	0.0010	102	70	130			
Uranium	0.0658	mg/L	0.00030	101	70	130			
Sample ID: R08030315-009C	Post Digestion Spike Duplicate				Run: SUB-C99620				04/16/08 02:46
Arsenic	0.0559	mg/L	0.0010	103	70	130	0.8	20	
Cadmium	0.0475	mg/L	0.010	95	70	130	0.9	20	
Copper	0.0488	mg/L	0.010	95	70	130	0.8	20	
Lead	0.0508	mg/L	0.050	102	70	130	0.2	20	
Mercury	0.00518	mg/L	0.0010	104	70	130	0.3	20	
Nickel	0.0549	mg/L	0.050	94	70	130	0.2	20	
Thorium 232	0.0514	mg/L	0.0010	103	70	130	0.3	20	
Uranium	0.0658	mg/L	0.00030	101	70	130	0.0	20	

Qualifiers:

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ND - Not detected at the reporting limit.

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Toll Free 888.672.1225 * 605.342.1225 * FAX 605.342.1397 * rapid_city@energylab.com

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08030315

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E245.1									Batch: C_B_31868
Sample ID: MB-31868	Method Blank				Run: SUB-C99522				04/11/08 12:57
Mercury	ND	mg/L	5E-05						
Sample ID: B08040977-001AMS	Sample Matrix Spike				Run: SUB-C99522				04/11/08 13:09
Mercury	0.0035	mg/L	0.0010	88	70	130			
Sample ID: B08040977-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C99522				04/11/08 13:11
Mercury	0.0035	mg/L	0.0010	88	70	130	0.0	30	
Sample ID: LFB-31868	Laboratory Fortified Blank				Run: SUB-C99522				04/11/08 14:33
Mercury	0.0021	mg/L	0.0010	106	85	115			

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08030315

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R34015
Sample ID: LFB0803310804-3	Laboratory Fortified Blank				Run: DIONEX_080331A				03/31/08 19:15
Chloride	4.63	mg/L	0.50	93	90	110			
Fluoride	2.00	mg/L	0.10	100	90	110			
Nitrogen, Nitrate as N	2.27	mg/L	0.10	91	90	110			
Nitrogen, Nitrite as N	2.42	mg/L	0.10	97	90	110			
Sulfate	13.9	mg/L	1.0	93	90	110			
Sample ID: LFB0803310804-4	Laboratory Fortified Blank				Run: DIONEX_080331A				03/31/08 19:30
Chloride	4.74	mg/L	0.50	95	90	110			
Fluoride	2.06	mg/L	0.10	103	90	110			
Nitrogen, Nitrate as N	2.32	mg/L	0.10	93	90	110			
Nitrogen, Nitrite as N	2.48	mg/L	0.10	99	90	110			
Sulfate	13.6	mg/L	1.0	91	90	110			
Sample ID: R08030322-001AMS	Sample Matrix Spike				Run: DIONEX_080331A				03/31/08 20:01
Chloride	44.4	mg/L	0.54	69	80	120			S
Fluoride	10.5	mg/L	0.10	101	80	120			
Nitrogen, Nitrate as N	25.4	mg/L	0.13	94	80	120			
Nitrogen, Nitrite as N	11.5	mg/L	0.29	92	80	120			
Sulfate	109	mg/L	1.0	83	80	120			
Sample ID: R08030322-001AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080331A				03/31/08 20:16
Chloride	43.3	mg/L	0.54	65	80	120	2.3	10	S
Fluoride	10.1	mg/L	0.10	96	80	120	4.2	10	
Nitrogen, Nitrate as N	25.0	mg/L	0.13	90	80	120	1.7	10	
Nitrogen, Nitrite as N	10.9	mg/L	0.29	87	80	120	5.1	10	
Sulfate	106	mg/L	1.0	80	80	120	2.5	10	
Sample ID: R08030315-005AMS	Sample Matrix Spike				Run: DIONEX_080331A				03/31/08 23:21
Chloride	4.79	mg/L	0.50	96	80	120			
Fluoride	2.04	mg/L	0.10	102	80	120			
Nitrogen, Nitrate as N	2.31	mg/L	0.10	92	80	120			
Nitrogen, Nitrite as N	2.46	mg/L	0.10	98	80	120			
Sulfate	13.6	mg/L	1.0	91	80	120			
Sample ID: R08030315-005AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080331A				03/31/08 23:37
Chloride	4.78	mg/L	0.50	96	80	120	0.2	10	
Fluoride	2.04	mg/L	0.10	102	80	120	0.0	10	
Nitrogen, Nitrate as N	2.32	mg/L	0.10	93	80	120	0.4	10	
Nitrogen, Nitrite as N	2.47	mg/L	0.10	99	80	120	0.4	10	
Sulfate	13.6	mg/L	1.0	91	80	120	0.1	10	

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S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08030315

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0									Batch: C_GrAB-0423
Sample ID: MB-GrAB-0423	Method Blank				Run: SUB-C99537				04/12/08 02:38
Gross Alpha	1	pCi/L							
Gross Beta	6	pCi/L							
Sample ID: UNAT-GrAB-0423	Laboratory Control Sample				Run: SUB-C99537				04/12/08 02:39
Gross Alpha	250	pCi/L		100	70	130			
Sample ID: Cs137-GrAB-0423	Laboratory Control Sample				Run: SUB-C99537				04/12/08 02:38
Gross Beta	96	pCi/L		94	70	130			
Sample ID: R08030315-005H	Sample Matrix Spike				Run: SUB-C99537				04/12/08 02:38
Gross Alpha	230	pCi/L		93	70	130			
Sample ID: R08030315-005H	Sample Matrix Spike Duplicate				Run: SUB-C99537				04/12/08 02:38
Gross Alpha	250	pCi/L		104	70	130	12	14.4	
Sample ID: R08030315-005H	Sample Matrix Spike				Run: SUB-C99537				04/12/08 02:38
Gross Beta	100	pCi/L		112	70	130			
Sample ID: R08030315-005H	Sample Matrix Spike Duplicate				Run: SUB-C99537				04/12/08 02:39
Gross Beta	92	pCi/L		101	70	130	11	15.8	
Method: E901.1									Batch: C_R99476
Sample ID: LCS-R99476	Laboratory Control Sample				Run: SUB-C99476				04/04/08 16:45
Americium 241	740	pCi/L	20	91	70	130			
Cesium 137	1200	pCi/L	20	83	70	130			
Sample ID: MB-R99476	Method Blank				Run: SUB-C99476				04/04/08 16:45
Gross Gamma	ND	pCi/L							U
Sample ID: C08040148-004HDUP	Sample Duplicate				Run: SUB-C99476				04/04/08 16:45
Gross Gamma	580	pCi/L	20				3.1	30	
Method: E903.0									Batch: C_18209
Sample ID: R08030315-007I	Sample Matrix Spike				Run: SUB-C100023				04/22/08 12:16
Radium 226	32	pCi/L		94	70	130			
Sample ID: R08030315-007I	Sample Matrix Spike Duplicate				Run: SUB-C100023				04/22/08 13:51
Radium 226	27	pCi/L		79	70	130	17	21.7	
Sample ID: LCS-18209	Laboratory Control Sample				Run: SUB-C100023				04/22/08 13:51
Radium 226	22	pCi/L		75	70	130			
Sample ID: MB-18209	Method Blank				Run: SUB-C100023				04/22/08 13:51
Radium 226	0.7	pCi/L							

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U - Not detected at minimum detectable concentration

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08030315

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: C_RA226-2718
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: SUB-C99973				04/20/08 12:08
Radium 226	6.0	pCi/L		92	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: SUB-C99973				04/20/08 13:38
Radium 226	6.5	pCi/L		99	70	130	7.5	25.7	
Sample ID: MB-RA226-2718	Method Blank				Run: SUB-C99973				04/20/08 15:08
Radium 226	-0.02	pCi/L							U
Sample ID: LCS-RA226-2718	Laboratory Control Sample				Run: SUB-C99973				04/20/08 16:39
Radium 226	6.5	pCi/L		102	70	130			
Method: E907.0									Batch: C_18209
Sample ID: R08030315-005I	Sample Matrix Spike				Run: SUB-C99592				04/09/08 15:00
Thorium 230	43.2	pCi/L	0.20	90	70	130			
Sample ID: R08030315-005I	Sample Matrix Spike Duplicate				Run: SUB-C99592				04/09/08 15:00
Thorium 230	39.3	pCi/L	0.20	81	70	130	9.4	30	
Sample ID: LCS-R99592	Laboratory Control Sample				Run: SUB-C99592				04/09/08 15:00
Thorium 230	48.5	pCi/L	0.20	97	70	130			
Sample ID: MB-R99592	Method Blank				Run: SUB-C99592				04/09/08 15:00
Thorium 230	0.9	pCi/L							
Method: E907.0									Batch: C_R99556
Sample ID: LCS-R99556	Laboratory Control Sample				Run: SUB-C99556				04/07/08 14:30
Thorium 230	6.83	pCi/L	0.20	98	70	130			
Sample ID: C08031120-001HMS	Sample Matrix Spike				Run: SUB-C99556				04/07/08 14:30
Thorium 230	9.88	pCi/L	0.20	97	70	130			
Sample ID: C08031120-001HMSD	Sample Matrix Spike Duplicate				Run: SUB-C99556				04/07/08 14:30
Thorium 230	9.25	pCi/L	0.20	90	70	130	6.6	30	
Sample ID: MB-R99556	Method Blank				Run: SUB-C99556				04/07/08 14:30
Thorium 230	ND	pCi/L							

Qualifiers:

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U Not detected at minimum detectable concentration

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08030315

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0M									Batch: C_18209
Sample ID: C08031014-022BMS	Sample Matrix Spike				Run: SUB-C99887				04/10/08 09:00
Lead 210	244	pCi/g-dry	0.10	19	70	130			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: C08031014-022BMSD	Sample Matrix Spike Duplicate				Run: SUB-C99887				04/10/08 09:00
Lead 210	270	pCi/g-dry	0.10	107	70	130	10	30	
- 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: MB-R99887	Method Blank				Run: SUB-C99887				04/10/08 09:00
Lead 210	ND	pCi/L							
Sample ID: LCS-R99887	Laboratory Control Sample				Run: SUB-C99887				04/10/08 09:00
Lead 210	110	pCi/L	1.0	92	70	130			
Method: E909.0M									Batch: C_R99610
Sample ID: R08030315-003H	Sample Matrix Spike				Run: SUB-C99610				04/08/08 08:15
Lead 210	930	pCi/L	1.0	159	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: R08030315-003H	Sample Matrix Spike Duplicate				Run: SUB-C99610				04/08/08 08:15
Lead 210	920	pCi/L	1.0	157	70	130	0.7	30	S
Sample ID: MB-R99610	Method Blank				Run: SUB-C99610				04/08/08 08:15
Lead 210		pCi/L							
Sample ID: LCS-R99610	Laboratory Control Sample				Run: SUB-C99610				04/08/08 08:15
Lead 210	130	pCi/L	1.0	106	70	130			
Method: RMO-3008									Batch: C_R99661
Sample ID: R08030315-009I	Sample Matrix Spike				Run: SUB-C99661				04/07/08 17:00
Polonium 210	82	pCi/L	1.0	96	70	130			
Sample ID: R08030315-009I	Sample Matrix Spike Duplicate				Run: SUB-C99661				04/07/08 17:00
Polonium 210	78	pCi/L	1.0	92	70	130	4.5	30	
Sample ID: LCS-18171	Laboratory Control Sample				Run: SUB-C99661				04/07/08 17:00
Polonium 210	190	pCi/L	1.0	108	70	130			
Sample ID: MB-18182	Method Blank				Run: SUB-C99661				04/07/08 17:00
Polonium 210	1	pCi/L							

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08030315

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RMO-3008									Batch: C_R99723
Sample ID: R08030315-009H	Sample Matrix Spike				Run: SUB-C99723				04/03/08 14:30
Polonium 210	90	pCi/L	1.0	103	70	130			
Sample ID: R08030315-009H	Sample Matrix Spike Duplicate				Run: SUB-C99723				04/03/08 14:30
Polonium 210	86	pCi/L	1.0	98	70	130	5.0	30	
Sample ID: LCS-R99723	Laboratory Control Sample				Run: SUB-C99723				04/03/08 14:30
Polonium 210	98	pCi/L	1.0	111	70	130			
Sample ID: MB-R99723	Method Blank				Run: SUB-C99723				04/03/08 14:30
Polonium 210	0.9	pCi/L							

Qualifiers:

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ND - Not detected at the reporting limit.

ENERGY LABORATORIES

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:
ReSpec	Dew Burd PowerTech	State: SD	Yes ☐ No ☐
Report Mail Address:	**Contact Name:** Phone/Fax:	**Email:**	**Sampler: (Please Print)**
RESPEC	Cory.foreman@respec.com		Eric Kanning
Invoice Address:	**Invoice Contact & Phone:**	**Purchase Order:**	**Quote/Bottle Order:**
RESPEC	"		

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

ANALYSIS REQUESTED

After Quote

SEE ATTACHED

Normal Turnaround (TAT)

RUSH

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

Comments: All GW

Shipped by:

Cooler ID(s):

Receipt Temp 4.4 °C

On Ice: (Yes) No

Custody Seal Intact Y N

Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX		LABORATORY USE ONLY
1	Dew Burd GW 694	03/30/08	10:11	W	set 10 Northern near well	0803315-001
2	Dew Burd GW 698	03/30/08	14:04	W	set 4	002
3	Dew Burd GW 698	03/30/08	14:10	W	set 5	003
4	Dew Burd GW 16	03/30/08	15:19	W	set 3	004
5	Dew Burd BLK01	03/30/08	15:10	W	set 1	005
6	Dew Burd GW 695	03/30/08	16:36	W	set 2	006
7	Dew Burd GW GW689	03/30/08	17:25	W	set 6	007
8	Dew Burd GW 681	03/30/08	17:50	W	set 15	008
9	Dew Burd GW 700	03/30/08	18:45	W	set 9	009
10						

Custody Record MUST be Signed

Relinquished by (print): Cory Foreman Date/Time: 3/31/08 Signature: Cory Foreman	Received by (print): Date/Time: Signature:	
Relinquished by (print): Date/Time: Signature:	Received by (print): Date/Time: Signature:	
Sample Disposal: Return to Client: _____ Lab Disposal: _____	Received by Laboratory: Linda Larson Date/Time: 3/31/08 1053 Signature: Linda Larson	

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.

ANALYTICAL SUMMARY REPORT

June 24, 2008

RESPEC Inc
3824 Jet Dr
Rapid City, SD 57701

Workorder No.: R08040002 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. Rapid City SD received the following 3 samples for RESPEC Inc on 4/1/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08040002-001	DewBurd GW696	03/31/08 13:41	04/01/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Mercury, Total Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved
R08040002-002	DewBurd GW680	03/31/08 15:15	04/01/08	Aqueous	Same As Above
R08040002-003	DewBurd GW695	03/31/08 16:31	04/01/08	Aqueous	Same As Above

This report was prepared by Energy Laboratories, Inc., 2821 Plant St., Rapid City, SD 57702. 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:

Linda K. Larson

Digitally signed by Linda Larson
Date: 2011.05.11 10:52:51 -06:00

Branch Manager

CLIENT: RESPEC Inc
Project: Edgemont
Sample Delivery Group: R08040002

Report Date: 06/24/08

CASE NARRATIVE

This case narrative is used to explain any exceptions to the analyses performed for your sample(s). In accordance with Good Analytical Laboratory Practices (GALP), samples requiring data qualifiers or analytical modifications are explained herein.

All samples were analyzed in accordance with prescribed methodology, except were noted. Samples are accompanied by appropriate quality assurance/quality control (QA/QC) samples throughout the analytical process.

During the course of analyzing your sample(s) the following exceptions were noted.
- Sample 697 should be 695 per Eric Krantz 6/27/2008

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

BRANCH LABORATORY IDENTIFIERS
eli-b - Energy Laboratories, Inc. - Billings, MT, EPA # MT00005
eli-c - Energy Laboratories, Inc. - Casper, WY, EPA# WY00002
eli-f - Energy Laboratories, Inc. - Idaho Falls, ID, EPA # ID00942
eli-g - Energy Laboratories, Inc. - Gillette, WY, EPA# WY00006
eli-h - Energy Laboratories, Inc. - Helena, MT, EPA# MT00945
eli-t - Energy Laboratories, Inc. - College Station, TX, EPA# TX01520

For additional information, including certifications, and analytical services visit our web page www.energylab.com.

If you have questions regarding this information, please feel free to contact us at (888)672-1225, (605)342-1225 or rapid_city@energylab.com.

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040002-001
Client Sample ID: DewBurd GW696

Report Date: 06/24/08
Collection Date: 03/31/08 13:41
Date Received: 04/01/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	184	mg/L		5		1	A2320 B	04/01/08 13:59/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/01/08 13:59/mb
Bicarbonate as HCO3	215	mg/L		5		1	A2320 B	04/01/08 13:59/mb
Calcium	28.0	mg/L		0.5		1	E200.7	04/14/08 13:04/eli-c
Chloride	15	mg/L		1		1	E300.0	04/02/08 18:26/jmh
Fluoride	0.3	mg/L		0.1		1	E300.0	04/02/08 18:26/jmh
Magnesium	10.0	mg/L		0.5		1	E200.7	04/14/08 13:04/eli-c
Nitrogen, Ammonia as N	0.4	mg/L		0.1		1	A4500-NH3 G	04/04/08 10:42/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	04/02/08 18:26/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	04/02/08 18:26/jmh
Potassium	9.7	mg/L		0.5		1	E200.7	04/14/08 13:04/eli-c
Silica	8.1	mg/L		0.5		1	E200.7	04/14/08 13:04/eli-c
Sodium	270	mg/L		0.5		1	E200.7	04/14/08 13:04/eli-c
Sulfate	475	mg/L	D	3		50	E300.0	04/02/08 17:40/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1440	umhos/cm		5.0		1	A2510 B	04/05/08 14:38/jmh
Oxidation-Reduction Potential	170	mV				1	A2580 B	04/04/08 00:00/jmh
pH	8.71	s.u.		0.01		1	A4500-H B	04/05/08 14:20/jmh
Sodium Adsorption Ratio (SAR)	11	unitless		0.10		1	Calculation	06/17/08 11:18/ADM
Solids, Total Dissolved TDS @ 180 C	880	mg/L		5		1	A2540 C	04/07/08 08:40/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.7	04/14/08 13:04/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	04/18/08 17:41/eli-c
Barium	ND	mg/L		0.1		1	E200.7	04/14/08 13:04/eli-c
Boron	ND	mg/L		0.1		1	E200.7	04/14/08 13:04/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/18/08 17:41/eli-c
Chromium	ND	mg/L		0.05		1	E200.7	04/14/08 13:04/eli-c
Copper	ND	mg/L		0.01		1	E200.7	04/14/08 13:04/eli-c
Iron	ND	mg/L		0.03		1	E200.7	04/14/08 13:04/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/18/08 17:41/eli-c
Manganese	0.05	mg/L		0.01		1	E200.7	04/14/08 13:04/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	04/18/08 17:41/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.7	04/14/08 13:04/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/18/08 17:41/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/07/08 12:50/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/18/08 17:41/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	04/18/08 17:41/eli-c

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040002-001
Client Sample ID: DewBurd GW696

Report Date: 06/24/08
Collection Date: 03/31/08 13:41
Date Received: 04/01/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	ND	mg/L		0.0003		1	E200.8	04/18/08 17:41/eli-c
Vanadium	ND	mg/L		0.1		1	E200.7	04/14/08 13:04/eli-c
Zinc	ND	mg/L		0.01		1	E200.7	04/14/08 13:04/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	04/17/08 14:02/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/07/08 10:25/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/07/08 15:12/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	3.9	pCi/L				1	E900.0	04/16/08 20:36/eli-c
Gross Alpha precision (±)	2.6	pCi/L				1	E900.0	04/16/08 20:36/eli-c
Gross Alpha MDC	3.9	pCi/L				1	E900.0	04/16/08 20:36/eli-c
Gross Beta	-2.1	pCi/L	U			1	E900.0	04/16/08 20:36/eli-c
Gross Beta precision (±)	2.4	pCi/L				1	E900.0	04/16/08 20:36/eli-c
Gross Beta MDC	4.2	pCi/L				1	E900.0	04/16/08 20:36/eli-c
Lead 210	-11.2	pCi/L	U	1.0		1	E909.0M	04/11/08 09:45/eli-c
Lead 210 precision (±)	1.9	pCi/L				1	E909.0M	04/11/08 09:45/eli-c
Polonium 210	0.6	pCi/L	U	1.0		1	RMO-3008	04/08/08 12:00/eli-c
Polonium 210 precision (±)	0.7	pCi/L				1	RMO-3008	04/08/08 12:00/eli-c
Radium 226	1.0	pCi/L				1	E903.0	04/23/08 02:27/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	04/23/08 02:27/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	04/23/08 02:27/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	04/04/08 16:45/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	04/04/08 16:45/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	04/10/08 11:00/eli-c
Polonium 210	0.5	pCi/L		1.0		1	RMO-3008	04/29/08 15:30/eli-c
Polonium 210 precision (±)	0.4	pCi/L				1	RMO-3008	04/29/08 15:30/eli-c
Radium 226	0.6	pCi/L				1	E903.0	04/21/08 14:47/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	04/21/08 14:47/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	04/21/08 14:47/eli-c
Thorium 230	0.2	pCi/L	U	0.2		1	E907.0	04/09/08 16:00/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	04/09/08 16:00/eli-c
RADIONUCLIDES - TOTAL								

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

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040002-001
Client Sample ID: DewBurd GW696

Report Date: 06/24/08
Collection Date: 03/31/08 13:41
Date Received: 04/01/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - TOTAL								
Radon 222	190	pCi/L		100		1	D5072-92	04/03/08 18:27/eli-c
Radon 222 precision (±)	63.4	pCi/L				1	D5072-92	04/03/08 18:27/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	04/17/08 00:00/eli-c
Arsenic	0.003	mg/L		0.001		1	E200.8	04/17/08 00:00/eli-c
Barium	ND	mg/L		0.1		2	E200.7	04/14/08 17:03/eli-c
Beryllium	ND	mg/L		0.001		2	E200.7	04/14/08 17:03/eli-c
Boron	ND	mg/L		0.1		2	E200.7	04/14/08 17:03/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/17/08 00:00/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	04/14/08 17:03/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/17/08 00:00/eli-c
Iron	0.04	mg/L		0.03		2	E200.7	04/14/08 17:03/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/17/08 00:00/eli-c
Manganese	0.05	mg/L		0.01		2	E200.7	04/14/08 17:03/eli-c
Mercury	ND	mg/L		0.0001		1	E200.8	04/17/08 00:00/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	04/11/08 14:07/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	04/17/08 00:00/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	04/14/08 17:03/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	04/17/08 00:00/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/17/08 00:00/eli-c
Strontium	0.7	mg/L		0.1		1	E200.8	04/17/08 00:00/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	04/17/08 00:00/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	04/17/08 00:00/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	04/17/08 00:00/eli-c
DATA QUALITY								
A/C Balance (± 5)	0.930					1	A1030 E	06/17/08 00:00/ADM
Anions	14.0	meq/L				1	A1030 E	06/17/08 00:00/ADM
Cations	14.3	meq/L				1	A1030 E	06/17/08 00:00/ADM
Solids, Total Dissolved Calculated	941	mg/L				1	A1030 E	06/17/08 00:00/ADM
TDS Balance (0.80 - 1.20)	0.940					1	A1030 E	06/17/08 00:00/ADM

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

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040002-001
Client Sample ID: DewBurd GW696

Report Date: 06/24/08
Collection Date: 03/31/08 13:41
Date Received: 04/01/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	184	mg/L		5		1	A2320 B	04/01/08 13:59/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/01/08 13:59/mb
Bicarbonate as HCO3	215	mg/L		5		1	A2320 B	04/01/08 13:59/mb
Calcium	28.0	mg/L		0.5		1	E200.7	04/14/08 13:04/eli-c
Chloride	15	mg/L		1		1	E300.0	04/02/08 18:26/jmh
Fluoride	0.3	mg/L		0.1		1	E300.0	04/02/08 18:26/jmh
Magnesium	10.0	mg/L		0.5		1	E200.7	04/14/08 13:04/eli-c
Nitrogen, Ammonia as N	0.4	mg/L		0.1		1	A4500-NH3 G	04/04/08 10:42/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	04/02/08 18:26/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	04/02/08 18:26/jmh
Potassium	9.7	mg/L		0.5		1	E200.7	04/14/08 13:04/eli-c
Silica	8.1	mg/L		0.5		1	E200.7	04/14/08 13:04/eli-c
Sodium	270	mg/L		0.5		1	E200.7	04/14/08 13:04/eli-c
Sulfate	475	mg/L	D	3		50	E300.0	04/02/08 17:40/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1440	umhos/cm		5.0		1	A2510 B	04/05/08 14:38/jmh
Oxidation-Reduction Potential	170	mV				1	A2580 B	04/04/08 00:00/jmh
pH	8.71	s.u.		0.01		1	A4500-H B	04/05/08 14:20/jmh
Sodium Adsorption Ratio (SAR)	11	unitless		0.10		1	Calculation	06/17/08 11:18/ADM
Solids, Total Dissolved TDS @ 180 C	880	mg/L		5		1	A2540 C	04/07/08 08:40/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.7	04/14/08 13:04/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	04/18/08 17:41/eli-c
Barium	ND	mg/L		0.1		1	E200.7	04/14/08 13:04/eli-c
Boron	ND	mg/L		0.1		1	E200.7	04/14/08 13:04/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/18/08 17:41/eli-c
Chromium	ND	mg/L		0.05		1	E200.7	04/14/08 13:04/eli-c
Copper	ND	mg/L		0.01		1	E200.7	04/14/08 13:04/eli-c
Iron	ND	mg/L		0.03		1	E200.7	04/14/08 13:04/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/18/08 17:41/eli-c
Manganese	0.05	mg/L		0.01		1	E200.7	04/14/08 13:04/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	04/18/08 17:41/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.7	04/14/08 13:04/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/18/08 17:41/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/07/08 12:50/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/18/08 17:41/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	04/18/08 17:41/eli-c

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040002-001
Client Sample ID: DewBurd GW696

Report Date: 06/24/08
Collection Date: 03/31/08 13:41
Date Received: 04/01/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	ND	mg/L		0.0003		1	E200.8	04/18/08 17:41/eli-c
Vanadium	ND	mg/L		0.1		1	E200.7	04/14/08 13:04/eli-c
Zinc	ND	mg/L		0.01		1	E200.7	04/14/08 13:04/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	04/17/08 14:02/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/07/08 10:25/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/07/08 15:12/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	3.9	pCi/L				1	E900.0	04/16/08 20:36/eli-c
Gross Alpha precision (±)	2.6	pCi/L				1	E900.0	04/16/08 20:36/eli-c
Gross Alpha MDC	3.9	pCi/L				1	E900.0	04/16/08 20:36/eli-c
Gross Beta	-2.1	pCi/L	U			1	E900.0	04/16/08 20:36/eli-c
Gross Beta precision (±)	2.4	pCi/L				1	E900.0	04/16/08 20:36/eli-c
Gross Beta MDC	4.2	pCi/L				1	E900.0	04/16/08 20:36/eli-c
Lead 210	-11.2	pCi/L	U	1.0		1	E909.0M	04/11/08 09:45/eli-c
Lead 210 precision (±)	1.9	pCi/L				1	E909.0M	04/11/08 09:45/eli-c
Polonium 210	0.6	pCi/L	U	1.0		1	RMO-3008	04/08/08 12:00/eli-c
Polonium 210 precision (±)	0.7	pCi/L				1	RMO-3008	04/08/08 12:00/eli-c
Radium 226	1.0	pCi/L				1	E903.0	04/23/08 02:27/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	04/23/08 02:27/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	04/23/08 02:27/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	04/04/08 16:45/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	04/04/08 16:45/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	04/10/08 11:00/eli-c
Polonium 210	0.5	pCi/L		1.0		1	RMO-3008	04/29/08 15:30/eli-c
Polonium 210 precision (±)	0.4	pCi/L				1	RMO-3008	04/29/08 15:30/eli-c
Radium 226	0.6	pCi/L				1	E903.0	04/21/08 14:47/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	04/21/08 14:47/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	04/21/08 14:47/eli-c
Thorium 230	0.2	pCi/L	U	0.2		1	E907.0	04/09/08 16:00/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	04/09/08 16:00/eli-c
RADIONUCLIDES - TOTAL								

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

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040002-001
Client Sample ID: DewBurd GW696

Report Date: 06/24/08
Collection Date: 03/31/08 13:41
Date Received: 04/01/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - TOTAL								
Radon 222	190	pCi/L		100		1	D5072-92	04/03/08 18:27/eli-c
Radon 222 precision (±)	63.4	pCi/L				1	D5072-92	04/03/08 18:27/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	04/17/08 00:00/eli-c
Arsenic	0.003	mg/L		0.001		1	E200.8	04/17/08 00:00/eli-c
Barium	ND	mg/L		0.1		2	E200.7	04/14/08 17:03/eli-c
Beryllium	ND	mg/L		0.001		2	E200.7	04/14/08 17:03/eli-c
Boron	ND	mg/L		0.1		2	E200.7	04/14/08 17:03/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/17/08 00:00/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	04/14/08 17:03/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/17/08 00:00/eli-c
Iron	0.04	mg/L		0.03		2	E200.7	04/14/08 17:03/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/17/08 00:00/eli-c
Manganese	0.05	mg/L		0.01		2	E200.7	04/14/08 17:03/eli-c
Mercury	ND	mg/L		0.0001		1	E200.8	04/17/08 00:00/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	04/11/08 14:07/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	04/17/08 00:00/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	04/14/08 17:03/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	04/17/08 00:00/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/17/08 00:00/eli-c
Strontium	0.7	mg/L		0.1		1	E200.8	04/17/08 00:00/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	04/17/08 00:00/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	04/17/08 00:00/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	04/17/08 00:00/eli-c
DATA QUALITY								
A/C Balance (± 5)	0.930					1	A1030 E	06/17/08 00:00/ADM
Anions	14.0	meq/L				1	A1030 E	06/17/08 00:00/ADM
Cations	14.3	meq/L				1	A1030 E	06/17/08 00:00/ADM
Solids, Total Dissolved Calculated	941	mg/L				1	A1030 E	06/17/08 00:00/ADM
TDS Balance (0.80 - 1.20)	0.940					1	A1030 E	06/17/08 00:00/ADM

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

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040002-002
Client Sample ID: DewBurd GW680

Report Date: 06/24/08
Collection Date: 03/31/08 15:15
Date Received: 04/01/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	264	mg/L		5		1	A2320 B	04/01/08 14:21/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/01/08 14:21/mb
Bicarbonate as HCO3	322	mg/L		5		1	A2320 B	04/01/08 14:21/mb
Calcium	353	mg/L		0.5		1	E200.7	04/14/08 13:14/eli-c
Chloride	15	mg/L		1		1	E300.0	04/02/08 18:57/jmh
Fluoride	0.3	mg/L		0.1		1	E300.0	04/02/08 18:57/jmh
Magnesium	111	mg/L		0.5		1	E200.7	04/14/08 13:14/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	04/04/08 10:43/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	04/02/08 18:57/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	04/02/08 18:57/jmh
Potassium	19.1	mg/L		0.5		1	E200.7	04/14/08 13:14/eli-c
Silica	8.2	mg/L		0.5		1	E200.7	04/14/08 13:14/eli-c
Sodium	120	mg/L		0.5		1	E200.7	04/14/08 13:14/eli-c
Sulfate	1280	mg/L	D	3		50	E300.0	04/02/08 18:42/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2560	umhos/cm		5.0		1	A2510 B	04/05/08 14:39/jmh
Oxidation-Reduction Potential	180	mV				1	A2580 B	04/04/08 00:00/jmh
pH	7.31	s.u.		0.01		1	A4500-H B	04/05/08 14:22/jmh
Sodium Adsorption Ratio (SAR)	1.4	unitless		0.10		1	Calculation	06/17/08 11:18/ADM
Solids, Total Dissolved TDS @ 180 C	2200	mg/L		5		1	A2540 C	04/07/08 08:40/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.7	04/14/08 13:14/eli-c
Arsenic	0.008	mg/L		0.001		1	E200.8	04/18/08 17:48/eli-c
Barium	ND	mg/L		0.1		1	E200.7	04/14/08 13:14/eli-c
Boron	0.1	mg/L		0.1		1	E200.7	04/14/08 13:14/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/18/08 17:48/eli-c
Chromium	ND	mg/L		0.05		1	E200.7	04/14/08 13:14/eli-c
Copper	ND	mg/L		0.01		1	E200.7	04/14/08 13:14/eli-c
Iron	0.27	mg/L		0.03		1	E200.7	04/14/08 13:14/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/18/08 17:48/eli-c
Manganese	0.40	mg/L		0.01		1	E200.7	04/14/08 13:14/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	04/18/08 17:48/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.7	04/14/08 13:14/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/18/08 17:48/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/07/08 12:56/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/18/08 17:48/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	04/18/08 17:48/eli-c

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040002-002
Client Sample ID: DewBurd GW680

Report Date: 06/24/08
Collection Date: 03/31/08 15:15
Date Received: 04/01/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.0569	mg/L		0.0003		1	E200.8	04/18/08 17:48/eli-c
Vanadium	ND	mg/L		0.1		1	E200.7	04/14/08 13:14/eli-c
Zinc	0.02	mg/L		0.01		1	E200.7	04/14/08 13:14/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	04/17/08 14:06/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/07/08 10:27/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/07/08 15:12/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	6440	pCi/L				1	E900.0	04/16/08 20:36/eli-c
Gross Alpha precision (±)	79.7	pCi/L				1	E900.0	04/16/08 20:36/eli-c
Gross Alpha MDC	8.6	pCi/L				1	E900.0	04/16/08 20:36/eli-c
Gross Beta	2320	pCi/L				1	E900.0	04/16/08 20:36/eli-c
Gross Beta precision (±)	22.9	pCi/L				1	E900.0	04/16/08 20:36/eli-c
Gross Beta MDC	9.7	pCi/L				1	E900.0	04/16/08 20:36/eli-c
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	04/11/08 09:45/eli-c
Lead 210 precision (±)	2.1	pCi/L				1	E909.0M	04/11/08 09:45/eli-c
Polonium 210	1.5	pCi/L		1.0		1	RMO-3008	04/08/08 12:00/eli-c
Polonium 210 precision (±)	1.1	pCi/L				1	RMO-3008	04/08/08 12:00/eli-c
Radium 226	1150	pCi/L				1	E903.0	04/23/08 04:05/eli-c
Radium 226 precision (±)	4.9	pCi/L				1	E903.0	04/23/08 04:05/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	04/23/08 04:05/eli-c
Gross Gamma	150	pCi/L		20		1	E901.1	04/04/08 16:45/eli-c
Gross Gamma precision (±)	73	pCi/L				1	E901.1	04/04/08 16:45/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-2.0	pCi/L	U	1.0		1	E909.0M	04/10/08 11:00/eli-c
Polonium 210	0.5	pCi/L		1.0		1	RMO-3008	04/29/08 15:30/eli-c
Polonium 210 precision (±)	0.5	pCi/L				1	RMO-3008	04/29/08 15:30/eli-c
Radium 226	1.9	pCi/L				1	E903.0	04/21/08 14:47/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	04/21/08 14:47/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	04/21/08 14:47/eli-c
Thorium 230	0.2	pCi/L		0.2		1	E907.0	04/09/08 16:00/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	04/09/08 16:00/eli-c
RADIONUCLIDES - TOTAL								

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

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040002-002
Client Sample ID: DewBurd GW680

Report Date: 06/24/08
Collection Date: 03/31/08 15:15
Date Received: 04/01/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - TOTAL								
Radon 222	71800	pCi/L		100		1	D5072-92	04/03/08 18:27/eli-c
Radon 222 precision (±)	351	pCi/L				1	D5072-92	04/03/08 18:27/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	04/17/08 00:07/eli-c
Arsenic	0.009	mg/L		0.001		1	E200.8	04/17/08 00:07/eli-c
Barium	ND	mg/L		0.1		2	E200.7	04/14/08 17:07/eli-c
Beryllium	ND	mg/L		0.001		2	E200.7	04/14/08 17:07/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	04/14/08 17:07/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/17/08 00:07/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	04/14/08 17:07/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/17/08 00:07/eli-c
Iron	0.30	mg/L		0.03		2	E200.7	04/14/08 17:07/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/17/08 00:07/eli-c
Manganese	0.43	mg/L		0.01		2	E200.7	04/14/08 17:07/eli-c
Mercury	ND	mg/L		0.0001		1	E200.8	04/17/08 00:07/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	04/11/08 14:09/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	04/17/08 00:07/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	04/14/08 17:07/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	04/17/08 00:07/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/17/08 00:07/eli-c
Strontium	7.3	mg/L		0.1		1	E200.8	04/17/08 00:07/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	04/17/08 00:07/eli-c
Uranium	0.0541	mg/L		0.0003		1	E200.8	04/17/08 00:07/eli-c
Zinc	0.02	mg/L		0.01		1	E200.8	04/17/08 00:07/eli-c
DATA QUALITY								
A/C Balance (± 5)	0.260					1	A1030 E	06/17/08 00:00/ADM
Anions	32.4	meq/L				1	A1030 E	06/17/08 00:00/ADM
Cations	32.5	meq/L				1	A1030 E	06/17/08 00:00/ADM
Solids, Total Dissolved Calculated	2080	mg/L				1	A1030 E	06/17/08 00:00/ADM
TDS Balance (0.80 - 1.20)	1.05					1	A1030 E	06/17/08 00:00/ADM

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

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040002-002
Client Sample ID: DewBurd GW680

Report Date: 06/24/08
Collection Date: 03/31/08 15:15
Date Received: 04/01/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	264	mg/L		5		1	A2320 B	04/01/08 14:21/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/01/08 14:21/mb
Bicarbonate as HCO3	322	mg/L		5		1	A2320 B	04/01/08 14:21/mb
Calcium	353	mg/L		0.5		1	E200.7	04/14/08 13:14/eli-c
Chloride	15	mg/L		1		1	E300.0	04/02/08 18:57/jmh
Fluoride	0.3	mg/L		0.1		1	E300.0	04/02/08 18:57/jmh
Magnesium	111	mg/L		0.5		1	E200.7	04/14/08 13:14/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	04/04/08 10:43/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	04/02/08 18:57/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	04/02/08 18:57/jmh
Potassium	19.1	mg/L		0.5		1	E200.7	04/14/08 13:14/eli-c
Silica	8.2	mg/L		0.5		1	E200.7	04/14/08 13:14/eli-c
Sodium	120	mg/L		0.5		1	E200.7	04/14/08 13:14/eli-c
Sulfate	1280	mg/L	D	3		50	E300.0	04/02/08 18:42/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2560	umhos/cm		5.0		1	A2510 B	04/05/08 14:39/jmh
Oxidation-Reduction Potential	180	mV				1	A2580 B	04/04/08 00:00/jmh
pH	7.31	s.u.		0.01		1	A4500-H B	04/05/08 14:22/jmh
Sodium Adsorption Ratio (SAR)	1.4	unitless		0.10		1	Calculation	06/17/08 11:18/ADM
Solids, Total Dissolved TDS @ 180 C	2200	mg/L		5		1	A2540 C	04/07/08 08:40/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.7	04/14/08 13:14/eli-c
Arsenic	0.008	mg/L		0.001		1	E200.8	04/18/08 17:48/eli-c
Barium	ND	mg/L		0.1		1	E200.7	04/14/08 13:14/eli-c
Boron	0.1	mg/L		0.1		1	E200.7	04/14/08 13:14/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/18/08 17:48/eli-c
Chromium	ND	mg/L		0.05		1	E200.7	04/14/08 13:14/eli-c
Copper	ND	mg/L		0.01		1	E200.7	04/14/08 13:14/eli-c
Iron	0.27	mg/L		0.03		1	E200.7	04/14/08 13:14/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/18/08 17:48/eli-c
Manganese	0.40	mg/L		0.01		1	E200.7	04/14/08 13:14/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	04/18/08 17:48/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.7	04/14/08 13:14/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/18/08 17:48/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/07/08 12:56/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/18/08 17:48/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	04/18/08 17:48/eli-c

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040002-002
Client Sample ID: DewBurd GW680

Report Date: 06/24/08
Collection Date: 03/31/08 15:15
Date Received: 04/01/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.0569	mg/L		0.0003		1	E200.8	04/18/08 17:48/eli-c
Vanadium	ND	mg/L		0.1		1	E200.7	04/14/08 13:14/eli-c
Zinc	0.02	mg/L		0.01		1	E200.7	04/14/08 13:14/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	04/17/08 14:06/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/07/08 10:27/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/07/08 15:12/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	6440	pCi/L				1	E900.0	04/16/08 20:36/eli-c
Gross Alpha precision (±)	79.7	pCi/L				1	E900.0	04/16/08 20:36/eli-c
Gross Alpha MDC	8.6	pCi/L				1	E900.0	04/16/08 20:36/eli-c
Gross Beta	2320	pCi/L				1	E900.0	04/16/08 20:36/eli-c
Gross Beta precision (±)	22.9	pCi/L				1	E900.0	04/16/08 20:36/eli-c
Gross Beta MDC	9.7	pCi/L				1	E900.0	04/16/08 20:36/eli-c
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	04/11/08 09:45/eli-c
Lead 210 precision (±)	2.1	pCi/L				1	E909.0M	04/11/08 09:45/eli-c
Polonium 210	1.5	pCi/L		1.0		1	RMO-3008	04/08/08 12:00/eli-c
Polonium 210 precision (±)	1.1	pCi/L				1	RMO-3008	04/08/08 12:00/eli-c
Radium 226	1150	pCi/L				1	E903.0	04/23/08 04:05/eli-c
Radium 226 precision (±)	4.9	pCi/L				1	E903.0	04/23/08 04:05/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	04/23/08 04:05/eli-c
Gross Gamma	150	pCi/L		20		1	E901.1	04/04/08 16:45/eli-c
Gross Gamma precision (±)	73	pCi/L				1	E901.1	04/04/08 16:45/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-2.0	pCi/L	U	1.0		1	E909.0M	04/10/08 11:00/eli-c
Polonium 210	0.5	pCi/L		1.0		1	RMO-3008	04/29/08 15:30/eli-c
Polonium 210 precision (±)	0.5	pCi/L				1	RMO-3008	04/29/08 15:30/eli-c
Radium 226	1.9	pCi/L				1	E903.0	04/21/08 14:47/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	04/21/08 14:47/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	04/21/08 14:47/eli-c
Thorium 230	0.2	pCi/L		0.2		1	E907.0	04/09/08 16:00/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	04/09/08 16:00/eli-c
RADIONUCLIDES - TOTAL								

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

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040002-002
Client Sample ID: DewBurd GW680

Report Date: 06/24/08
Collection Date: 03/31/08 15:15
Date Received: 04/01/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - TOTAL								
Radon 222	71800	pCi/L		100		1	D5072-92	04/03/08 18:27/eli-c
Radon 222 precision (±)	351	pCi/L				1	D5072-92	04/03/08 18:27/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	04/17/08 00:07/eli-c
Arsenic	0.009	mg/L		0.001		1	E200.8	04/17/08 00:07/eli-c
Barium	ND	mg/L		0.1		2	E200.7	04/14/08 17:07/eli-c
Beryllium	ND	mg/L		0.001		2	E200.7	04/14/08 17:07/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	04/14/08 17:07/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/17/08 00:07/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	04/14/08 17:07/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/17/08 00:07/eli-c
Iron	0.30	mg/L		0.03		2	E200.7	04/14/08 17:07/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/17/08 00:07/eli-c
Manganese	0.43	mg/L		0.01		2	E200.7	04/14/08 17:07/eli-c
Mercury	ND	mg/L		0.0001		1	E200.8	04/17/08 00:07/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	04/11/08 14:09/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	04/17/08 00:07/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	04/14/08 17:07/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	04/17/08 00:07/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/17/08 00:07/eli-c
Strontium	7.3	mg/L		0.1		1	E200.8	04/17/08 00:07/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	04/17/08 00:07/eli-c
Uranium	0.0541	mg/L		0.0003		1	E200.8	04/17/08 00:07/eli-c
Zinc	0.02	mg/L		0.01		1	E200.8	04/17/08 00:07/eli-c
DATA QUALITY								
A/C Balance (± 5)	0.260					1	A1030 E	06/17/08 00:00/ADM
Anions	32.4	meq/L				1	A1030 E	06/17/08 00:00/ADM
Cations	32.5	meq/L				1	A1030 E	06/17/08 00:00/ADM
Solids, Total Dissolved Calculated	2080	mg/L				1	A1030 E	06/17/08 00:00/ADM
TDS Balance (0.80 - 1.20)	1.05					1	A1030 E	06/17/08 00:00/ADM

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

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040002-003
Client Sample ID: DewBurd GW695

Report Date: 06/24/08
Collection Date: 03/31/08 16:31
Date Received: 04/01/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	176	mg/L		5		1	A2320 B	04/01/08 14:26/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/01/08 14:26/mb
Bicarbonate as HCO3	215	mg/L		5		1	A2320 B	04/01/08 14:26/mb
Calcium	48.0	mg/L		0.5		1	E200.7	04/14/08 13:30/eli-c
Chloride	14	mg/L		1		1	E300.0	04/04/08 18:38/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	04/04/08 18:38/jmh
Magnesium	17.8	mg/L		0.5		1	E200.7	04/14/08 13:30/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	04/04/08 10:45/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	04/04/08 18:38/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	04/04/08 18:38/jmh
Potassium	8.7	mg/L		0.5		1	E200.7	04/14/08 13:30/eli-c
Silica	7.4	mg/L		0.5		1	E200.7	04/14/08 13:30/eli-c
Sodium	234	mg/L		0.5		1	E200.7	04/14/08 13:30/eli-c
Sulfate	476	mg/L	D	3		50	E300.0	04/02/08 19:12/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1390	umhos/cm		5.0		1	A2510 B	04/05/08 14:40/jmh
Oxidation-Reduction Potential	230	mV				1	A2580 B	04/04/08 00:00/jmh
pH	8.16	s.u.		0.01		1	A4500-H B	04/05/08 14:23/jmh
Sodium Adsorption Ratio (SAR)	7.3	unitless		0.10		1	Calculation	06/17/08 11:18/ADM
Solids, Total Dissolved TDS @ 180 C	870	mg/L		5		1	A2540 C	04/07/08 08:42/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.7	04/14/08 13:30/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	04/16/08 17:20/eli-c
Barium	ND	mg/L		0.1		1	E200.7	04/14/08 13:30/eli-c
Boron	ND	mg/L		0.1		1	E200.7	04/14/08 13:30/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/16/08 17:20/eli-c
Chromium	ND	mg/L		0.05		1	E200.7	04/14/08 13:30/eli-c
Copper	ND	mg/L		0.01		1	E200.7	04/14/08 13:30/eli-c
Iron	0.07	mg/L		0.03		1	E200.7	04/14/08 13:30/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/16/08 17:20/eli-c
Manganese	0.07	mg/L		0.01		1	E200.7	04/14/08 13:30/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	04/16/08 17:20/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.7	04/14/08 13:30/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/16/08 17:20/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/07/08 12:58/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/16/08 17:20/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	04/16/08 17:20/eli-c

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040002-003
Client Sample ID: DewBurd GW695

Report Date: 06/24/08
Collection Date: 03/31/08 16:31
Date Received: 04/01/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.0030	mg/L		0.0003		1	E200.8	04/16/08 17:20/eli-c
Vanadium	ND	mg/L		0.1		1	E200.7	04/14/08 13:30/eli-c
Zinc	ND	mg/L		0.01		1	E200.7	04/14/08 13:30/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	04/17/08 14:10/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/07/08 10:29/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/07/08 15:12/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	52.2	pCi/L				1	E900.0	04/16/08 20:36/eli-c
Gross Alpha precision (±)	5.4	pCi/L				1	E900.0	04/16/08 20:36/eli-c
Gross Alpha MDC	4.0	pCi/L				1	E900.0	04/16/08 20:36/eli-c
Gross Beta	16.1	pCi/L				1	E900.0	04/16/08 20:36/eli-c
Gross Beta precision (±)	2.1	pCi/L				1	E900.0	04/16/08 20:36/eli-c
Gross Beta MDC	3.0	pCi/L				1	E900.0	04/16/08 20:36/eli-c
Lead 210	-12.4	pCi/L	U	1.0		1	E909.0M	04/11/08 09:45/eli-c
Lead 210 precision (±)	2.0	pCi/L				1	E909.0M	04/11/08 09:45/eli-c
Polonium 210	1.1	pCi/L		1.0		1	RMO-3008	04/08/08 12:00/eli-c
Polonium 210 precision (±)	1.1	pCi/L				1	RMO-3008	04/08/08 12:00/eli-c
Radium 226	6.3	pCi/L				1	E903.0	04/23/08 04:05/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	04/23/08 04:05/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	04/23/08 04:05/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	04/04/08 16:45/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	04/04/08 16:45/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	04/10/08 11:00/eli-c
Polonium 210	0.6	pCi/L		1.0		1	RMO-3008	04/29/08 15:30/eli-c
Polonium 210 precision (±)	0.5	pCi/L				1	RMO-3008	04/29/08 15:30/eli-c
Radium 226	0.6	pCi/L				1	E903.0	04/21/08 14:47/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	04/21/08 14:47/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	04/21/08 14:47/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	04/09/08 16:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/09/08 16:00/eli-c
RADIONUCLIDES - TOTAL								

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

LABORATORY ANALYTICAL REPORT

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040002-003
Client Sample ID: DewBurd GW695

Report Date: 06/24/08
Collection Date: 03/31/08 16:31
Date Received: 04/01/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - TOTAL								
Radon 222	1400	pCi/L		100		1	D5072-92	04/03/08 18:27/eli-c
Radon 222 precision (±)	76.5	pCi/L				1	D5072-92	04/03/08 18:27/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	04/17/08 00:13/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	04/17/08 00:13/eli-c
Barium	ND	mg/L		0.1		2	E200.7	04/14/08 17:19/eli-c
Beryllium	ND	mg/L		0.005		1	E200.8	04/17/08 00:13/eli-c
Boron	ND	mg/L		0.1		2	E200.7	04/14/08 17:19/eli-c
Cadmium	ND	mg/L		0.001		1	E200.8	04/17/08 00:13/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	04/14/08 17:19/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/17/08 00:13/eli-c
Iron	0.11	mg/L		0.03		2	E200.7	04/14/08 17:19/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/17/08 00:13/eli-c
Manganese	0.08	mg/L		0.01		2	E200.7	04/14/08 17:19/eli-c
Mercury	ND	mg/L		0.0001		1	E200.8	04/17/08 00:13/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	04/11/08 14:11/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	04/17/08 00:13/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	04/14/08 17:19/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	04/17/08 00:13/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/17/08 00:13/eli-c
Strontium	0.9	mg/L		0.1		1	E200.8	04/17/08 00:13/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	04/17/08 00:13/eli-c
Uranium	0.0031	mg/L		0.0003		1	E200.8	04/17/08 00:13/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	04/17/08 00:13/eli-c
DATA QUALITY								
A/C Balance (± 5)	1.52					1	A1030 E	06/17/08 00:00/ADM
Anions	13.9	meq/L				1	A1030 E	06/17/08 00:00/ADM
Cations	14.3	meq/L				1	A1030 E	06/17/08 00:00/ADM
Solids, Total Dissolved Calculated	925	mg/L				1	A1030 E	06/17/08 00:00/ADM
TDS Balance (0.80 - 1.20)	0.940					1	A1030 E	06/17/08 00:00/ADM

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

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040002

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 080401A-ALK-SEL-W	
Sample ID: LCS1_080401A	Laboratory Control Sample				Run: PH_COND1-R_080401A			04/01/08 12:24	
Alkalinity, Total as CaCO3	972	mg/L	5.0	97	90	110			
Sample ID: MBLK1_080401A	Method Blank				Run: PH_COND1-R_080401A			04/01/08 12:36	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Sample ID: R08030315-001ADUP	Sample Duplicate				Run: PH_COND1-R_080401A			04/01/08 00:00	
Alkalinity, Total as CaCO3	204	mg/L	5.0				0.0	10	
Carbonate as CO3	ND	mg/L	5.0				0.0	10	
Bicarbonate as HCO3	249	mg/L	5.0				0.0	10	
Sample ID: R08030315-003AMS	Sample Matrix Spike				Run: PH_COND1-R_080401A			04/01/08 13:14	
Alkalinity, Total as CaCO3	226	mg/L	5.0	98	80	120			

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040002

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2510 B								Batch: 080405_1_COND-PROBE-W	
Sample ID: LCS1-1_080405	Laboratory Control Sample				Run: PH_COND2-R_080405A			04/05/08 14:35	
Conductivity @ 25 C	145	umhos/cm	5.0	97	90	110			
Sample ID: LCS2-1_080405	Laboratory Control Sample				Run: PH_COND2-R_080405A			04/05/08 14:36	
Conductivity @ 25 C	4950	umhos/cm	5.0	99	90	110			
Sample ID: LCS_COND-1_080405	Laboratory Control Sample				Run: PH_COND2-R_080405A			04/05/08 14:36	
Conductivity @ 25 C	1400	umhos/cm	5.0	99	90	110			
Sample ID: MBLK-1_080405	Method Blank				Run: PH_COND2-R_080405A			04/05/08 14:37	
Conductivity @ 25 C	ND	umhos/cm	5						
Sample ID: R08040002-001ADUP	Sample Duplicate				Run: PH_COND2-R_080405A			04/05/08 14:39	
Conductivity @ 25 C	1450	umhos/cm	5.0				0.7	10	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040002

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C								Batch: 080407A-SLDS-TDS-W	
Sample ID: LCS1_080407A	Laboratory Control Sample				Run: BAL-4-R_080407A			04/07/08 08:38	
Solids, Total Dissolved TDS @ 180 C	2000	mg/L	5.0	102	90	110			
Sample ID: MBLK1_080407A	Method Blank				Run: BAL-4-R_080407A			04/07/08 08:39	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: R08040002-002AMS	Sample Matrix Spike				Run: BAL-4-R_080407A			04/07/08 08:41	
Solids, Total Dissolved TDS @ 180 C	4300	mg/L	5.0	104	80	120			
Sample ID: R08040002-002AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080407A			04/07/08 08:41	
Solids, Total Dissolved TDS @ 180 C	4300	mg/L	5.0	107	80	120	1.3	10	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040002

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B								Batch: C_SEIV-3114-080407	
Sample ID: MBLK	Method Blank				Run: SUB-C99195			04/07/08 09:27	
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-54-6	Laboratory Control Sample				Run: SUB-C99195			04/07/08 09:29	
Selenium-IV	0.045	mg/L	0.0010	91	90	110			
Sample ID: C08040192-002EMS	Sample Matrix Spike				Run: SUB-C99195			04/07/08 10:10	
Selenium-IV	0.043	mg/L	0.0010	86	85	115			
Sample ID: C08040192-002EMSD	Sample Matrix Spike Duplicate				Run: SUB-C99195			04/07/08 10:12	
Selenium-IV	0.045	mg/L	0.0010	90	85	115	4.7	10	
Method: A3114 B								Batch: C_SE-3114-080407A	
Sample ID: MBLK	Method Blank				Run: SUB-C99208			04/07/08 12:04	
Selenium	ND	mg/L	6E-05						
Sample ID: 288-54-6	Laboratory Control Sample				Run: SUB-C99208			04/07/08 12:06	
Selenium	0.050	mg/L	0.0010	100	90	110			
Sample ID: C08040192-002EMS	Sample Matrix Spike				Run: SUB-C99208			04/07/08 12:41	
Selenium	0.050	mg/L	0.0010	99	85	115			
Sample ID: C08040192-002EMSD	Sample Matrix Spike Duplicate				Run: SUB-C99208			04/07/08 12:43	
Selenium	0.051	mg/L	0.0010	101	85	115	2.0	10	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040002

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B									Batch: 080405_1_PH-W
Sample ID: LCS_pH-1_080405	Laboratory Control Sample				Run: PH_COND2-R_080405A				04/05/08 14:19
pH	6.94	s.u.	0.010	101	98.55	101.45			
Sample ID: R08040002-001ADUP	Sample Duplicate				Run: PH_COND2-R_080405A				04/05/08 14:21
pH	8.72	s.u.	0.010				0.1	1.25	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040002

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G								Batch: A2008-04-04_2_NH3_01	
Sample ID: MBLK-2	Method Blank				Run: TECHAA2-R_080404A			04/04/08 09:05	
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_080404A			04/04/08 09:06	
Nitrogen, Ammonia as N	0.24	mg/L	0.10	98	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_080404A			04/04/08 09:08	
Nitrogen, Ammonia as N	0.24	mg/L	0.10	98	90	110			
Sample ID: R08030315-005BMS	Sample Matrix Spike				Run: TECHAA2-R_080404A			04/04/08 10:35	
Nitrogen, Ammonia as N	0.22	mg/L	0.10	86	80	120			
Sample ID: R08030315-005BMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080404A			04/04/08 10:36	
Nitrogen, Ammonia as N	0.20	mg/L	0.10	81	80	120	6.2	10	
Sample ID: R08040003-001CMS	Sample Matrix Spike				Run: TECHAA2-R_080404A			04/04/08 10:49	
Nitrogen, Ammonia as N	0.19	mg/L	0.10	76	80	120			S
Sample ID: R08040003-001CMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080404A			04/04/08 10:50	
Nitrogen, Ammonia as N	0.18	mg/L	0.10	74	80	120	3.2	10	S

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040002

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: D5072-92									Batch: C_R99230
Sample ID: MB-R99230	Method Blank				Run: SUB-C99230				04/03/08 18:27
Radon 222	-10	pCi/L							U
Sample ID: LCS-R99230	Laboratory Control Sample				Run: SUB-C99230				04/03/08 18:27
Radon 222	298	pCi/L	100	98	70	130			
Sample ID: R08040002-003G	Sample Duplicate				Run: SUB-C99230				04/03/08 18:27
Radon 222	1280	pCi/L	100				9.2	30	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

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

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040002

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_18214
Sample ID: MB-18214	Method Blank				Run: SUB-C99617				04/14/08 16:36
Barium	ND	mg/L	0.004						
Boron	0.008	mg/L	0.006						
Chromium	ND	mg/L	0.003						
Iron	ND	mg/L	0.005						
Manganese	ND	mg/L	0.0008						
Nickel	ND	mg/L	0.02						
Sample ID: LCS-18214	Laboratory Control Sample				Run: SUB-C99617				04/14/08 16:39
Barium	0.497	mg/L	0.10	99	85	115			
Boron	0.503	mg/L	0.10	101	85	115			
Chromium	0.508	mg/L	0.050	102	85	115			
Iron	0.504	mg/L	0.030	101	85	115			
Manganese	0.484	mg/L	0.010	97	85	115			
Nickel	0.474	mg/L	0.050	95	85	115			
Sample ID: C08040196-003D MS	Sample Matrix Spike				Run: SUB-C99617				04/14/08 17:23
Barium	0.521	mg/L	0.10	100	70	130			
Boron	0.573	mg/L	0.10	100	70	130			
Chromium	0.502	mg/L	0.050	100	70	130			
Iron	0.621	mg/L	0.030	103	70	130			
Manganese	0.566	mg/L	0.010	98	70	130			
Nickel	0.459	mg/L	0.050	92	70	130			
Sample ID: C08040196-003D MSD	Sample Matrix Spike Duplicate				Run: SUB-C99617				04/14/08 17:26
Barium	0.517	mg/L	0.10	99	70	130	0.7	20	
Boron	0.566	mg/L	0.10	99	70	130	1.3	20	
Chromium	0.501	mg/L	0.050	100	70	130	0.3	20	
Iron	0.621	mg/L	0.030	103	70	130	0.0	20	
Manganese	0.559	mg/L	0.010	96	70	130	1.2	20	
Nickel	0.481	mg/L	0.050	96	70	130	4.7	20	
Method: E200.7									Batch: C_R99617
Sample ID: MB-080414A	Method Blank				Run: SUB-C99617				04/14/08 12:04
Silica	ND	mg/L	0.06						
Aluminum	ND	mg/L	0.008						
Barium	ND	mg/L	0.006						
Boron	0.006	mg/L	0.004						
Calcium	ND	mg/L	0.04						
Chromium	ND	mg/L	0.003						
Copper	ND	mg/L	0.005						
Iron	ND	mg/L	0.002						
Magnesium	ND	mg/L	0.04						
Manganese	ND	mg/L	0.0004						

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040002

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R99617
Sample ID: MB-080414A	Method Blank				Run: SUB-C99617				04/14/08 12:04
Molybdenum	ND	mg/L	0.01						
Potassium	ND	mg/L	0.08						
Sodium	ND	mg/L	0.06						
Vanadium	ND	mg/L	0.006						
Zinc	ND	mg/L	0.004						
Sample ID: LFB-080414A	Laboratory Fortified Blank				Run: SUB-C99617				04/14/08 12:08
Silica	0.96	mg/L	0.10	96	85	125			
Aluminum	0.92	mg/L	0.10	92	85	125			
Barium	0.93	mg/L	0.10	93	85	125			
Boron	0.95	mg/L	0.10	94	85	125			
Calcium	51	mg/L	0.50	102	85	125			
Chromium	0.95	mg/L	0.050	95	85	125			
Copper	0.89	mg/L	0.010	89	85	125			
Iron	0.93	mg/L	0.030	93	85	125			
Magnesium	50	mg/L	0.50	100	85	125			
Manganese	0.91	mg/L	0.010	91	85	125			
Molybdenum	0.99	mg/L	0.10	99	85	125			
Potassium	47	mg/L	0.50	94	85	125			
Sodium	48	mg/L	0.50	96	85	125			
Vanadium	0.97	mg/L	0.10	97	85	125			
Zinc	0.96	mg/L	0.010	96	85	125			
Sample ID: C08040196-001CMS2	Sample Matrix Spike				Run: SUB-C99617				04/14/08 13:08
Aluminum	0.872	mg/L	0.10	86	70	130			
Barium	0.916	mg/L	0.10	89	70	130			
Boron	0.930	mg/L	0.10	86	70	130			
Chromium	0.901	mg/L	0.050	88	70	130			
Copper	0.852	mg/L	0.010	84	70	130			
Iron	0.907	mg/L	0.030	87	70	130			
Manganese	0.926	mg/L	0.010	86	70	130			
Molybdenum	0.922	mg/L	0.10	90	70	130			
Vanadium	0.938	mg/L	0.10	92	70	130			
Zinc	0.978	mg/L	0.010	96	70	130			
Calcium	74.4	mg/L	1.0	91	70	130			
Magnesium	56.4	mg/L	1.0	91	70	130			
Potassium	55.4	mg/L	1.0	90	70	130			
Silica	8.74	mg/L	0.10		70	130			A
Sodium	303	mg/L	1.0		70	130			A
Sample ID: C08040196-001CMSD2	Sample Matrix Spike Duplicate				Run: SUB-C99617				04/14/08 13:11
Aluminum	0.863	mg/L	0.10	85	70	130	1.1	20	
Barium	0.911	mg/L	0.10	88	70	130	0.6	20	
Boron	0.933	mg/L	0.10	86	70	130	0.3	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040002

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7								Batch: C_R99617	
Sample ID: C08040196-001CMSD2	Sample Matrix Spike Duplicate				Run: SUB-C99617			04/14/08 13:11	
Chromium	0.892	mg/L	0.050	88	70	130	0.9	20	
Copper	0.849	mg/L	0.010	83	70	130	0.4	20	
Iron	0.913	mg/L	0.030	88	70	130	0.7	20	
Manganese	0.922	mg/L	0.010	86	70	130	0.4	20	
Molybdenum	0.915	mg/L	0.10	90	70	130	0.8	20	
Vanadium	0.932	mg/L	0.10	91	70	130	0.7	20	
Zinc	0.969	mg/L	0.010	95	70	130	0.9	20	
Calcium	74.5	mg/L	1.0	91	70	130	0.1	20	
Magnesium	56.5	mg/L	1.0	91	70	130	0.2	20	
Potassium	55.9	mg/L	1.0	91	70	130	0.9	20	
Silica	8.79	mg/L	0.10		70	130	0.6	20	A
Sodium	303	mg/L	1.0		70	130	0.1	20	A
Sample ID: C08040167-001CMS2	Sample Matrix Spike				Run: SUB-C99617			04/14/08 14:01	
Aluminum	0.873	mg/L	0.10	85	70	130			
Barium	0.944	mg/L	0.10	89	70	130			
Boron	0.963	mg/L	0.10	92	70	130			
Chromium	0.919	mg/L	0.050	90	70	130			
Copper	0.843	mg/L	0.010	83	70	130			
Iron	0.973	mg/L	0.030	88	70	130			
Manganese	0.899	mg/L	0.010	86	70	130			
Molybdenum	0.941	mg/L	0.10	92	70	130			
Vanadium	0.939	mg/L	0.10	92	70	130			
Zinc	0.967	mg/L	0.010	95	70	130			
Calcium	104	mg/L	1.0	87	70	130			
Magnesium	54.3	mg/L	1.0	93	70	130			
Potassium	47.1	mg/L	1.0	88	70	130			
Silica	15.4	mg/L	0.10		70	130			A
Sodium	60.9	mg/L	1.0	89	70	130			
Sample ID: C08040167-001CMSD2	Sample Matrix Spike Duplicate				Run: SUB-C99617			04/14/08 14:04	
Aluminum	0.875	mg/L	0.10	86	70	130	0.2	20	
Barium	0.940	mg/L	0.10	89	70	130	0.3	20	
Boron	0.970	mg/L	0.10	93	70	130	0.7	20	
Chromium	0.917	mg/L	0.050	90	70	130	0.2	20	
Copper	0.848	mg/L	0.010	83	70	130	0.6	20	
Iron	0.977	mg/L	0.030	88	70	130	0.4	20	
Manganese	0.898	mg/L	0.010	86	70	130	0.1	20	
Molybdenum	0.939	mg/L	0.10	92	70	130	0.2	20	
Vanadium	0.934	mg/L	0.10	92	70	130	0.5	20	
Zinc	0.957	mg/L	0.010	94	70	130	1.1	20	
Calcium	104	mg/L	1.0	87	70	130	0.3	20	
Magnesium	54.2	mg/L	1.0	92	70	130	0.2	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040002

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R99617
Sample ID: C08040167-001CMSD2	Sample Matrix Spike Duplicate				Run: SUB-C99617				04/14/08 14:04
Potassium	47.1	mg/L	1.0	88	70	130	0.0	20	
Sodium	61.0	mg/L	1.0	89	70	130	0.2	20	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont
Report Date: 06/24/08
Work Order: R08040002

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18214
Sample ID: MB-18214	Method Blank				Run: SUB-C99752				04/16/08 21:17
Antimony	ND	mg/L	0.0002						
Arsenic	7E-05	mg/L	5E-05						
Beryllium	ND	mg/L	0.0001						
Cadmium	ND	mg/L	3E-05						
Copper	ND	mg/L	0.0002						
Lead	ND	mg/L	5E-05						
Molybdenum	ND	mg/L	5E-05						
Selenium	ND	mg/L	0.0002						
Silver	9E-05	mg/L	4E-05						
Strontium	0.00010	mg/L	8E-05						
Thallium	7E-05	mg/L	3E-05						
Uranium	0.0001	mg/L	3E-05						
Zinc	0.003	mg/L	0.0003						
Sample ID: LCS-18214	Laboratory Control Sample				Run: SUB-C99752				04/16/08 21:24
Antimony	0.510	mg/L	0.050	102	85	115			
Arsenic	0.525	mg/L	0.0010	105	85	115			
Beryllium	0.544	mg/L	0.010	109	85	115			
Cadmium	0.522	mg/L	0.010	104	85	115			
Copper	0.513	mg/L	0.010	103	85	115			
Lead	0.514	mg/L	0.050	103	85	115			
Molybdenum	0.508	mg/L	0.10	102	85	115			
Selenium	0.528	mg/L	0.0020	106	85	115			
Silver	0.159	mg/L	0.010	79	85	115			S
Strontium	0.519	mg/L	0.10	104	85	115			
Thallium	0.511	mg/L	0.10	102	85	115			
Uranium	0.550	mg/L	0.00032	110	85	115			
Zinc	0.546	mg/L	0.010	109	85	115			
- The LCS Silver recovery was outside of the recommended acceptance range. The MS and MSD recoveries were within acceptance range, and so the batch is accepted.									
Sample ID: C08040196-003D MS4	Post Digestion Spike				Run: SUB-C99752				04/17/08 00:20
Antimony	0.0212	mg/L	0.050	106	70	130			
Arsenic	0.0230	mg/L	0.0010	106	70	130			
Beryllium	0.0204	mg/L	0.010	102	70	130			
Cadmium	0.0196	mg/L	0.010	98	70	130			
Copper	0.0203	mg/L	0.010	97	70	130			
Lead	0.0204	mg/L	0.050	102	70	130			
Molybdenum	0.0255	mg/L	0.10	106	70	130			
Selenium	0.0971	mg/L	0.0010	97	70	130			
Silver	0.0200	mg/L	0.010	100	70	130			
Strontium	0.931	mg/L	0.10		70	130			A
Thallium	0.0196	mg/L	0.10	98	70	130			
Uranium	0.0246	mg/L	0.00030	107	70	130			
Zinc	0.0258	mg/L	0.010	96	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040002

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18214
Sample ID: C08040196-003D MS4	Post Digestion Spike				Run: SUB-C99752				04/17/08 00:20
Sample ID: C08040196-003D MSD4	Post Digestion Spike Duplicate				Run: SUB-C99752				04/17/08 00:27
Antimony	0.0215	mg/L	0.050	107	70	130	0.0	20	
Arsenic	0.0222	mg/L	0.0010	102	70	130	3.7	20	
Beryllium	0.0204	mg/L	0.010	102	70	130	0.5	20	
Cadmium	0.0198	mg/L	0.010	99	70	130	1.0	20	
Copper	0.0200	mg/L	0.010	96	70	130	1.2	20	
Lead	0.0207	mg/L	0.050	103	70	130	0.0	20	
Molybdenum	0.0260	mg/L	0.10	108	70	130	0.0	20	
Selenium	0.0971	mg/L	0.0010	97	70	130	0.0	20	
Silver	0.0205	mg/L	0.010	102	70	130	2.5	20	
Strontium	0.941	mg/L	0.10		70	130	1.0	20	A
Thallium	0.0202	mg/L	0.10	101	70	130	0.0	20	
Uranium	0.0249	mg/L	0.00030	109	70	130	1.2	20	
Zinc	0.0254	mg/L	0.010	94	70	130	1.4	20	
Method: E200.8									Batch: C_R99752
Sample ID: LRB	Method Blank				Run: SUB-C99752				04/16/08 13:31
Arsenic	ND	mg/L	6E-05						
Cadmium	2E-05	mg/L	1E-05						
Lead	ND	mg/L	3E-05						
Mercury	ND	mg/L	8E-05						
Nickel	ND	mg/L	0.0007						
Silver	ND	mg/L	3E-05						
Thorium 232	4E-05	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C99752				04/16/08 13:38
Arsenic	0.0503	mg/L	0.0010	101	85	115			
Cadmium	0.0508	mg/L	0.0010	102	85	115			
Lead	0.0511	mg/L	0.0010	102	85	115			
Mercury	0.00523	mg/L	0.0010	105	85	115			
Nickel	0.0510	mg/L	0.0010	102	85	115			
Silver	0.0202	mg/L	0.0010	101	85	115			
Thorium 232	0.0506	mg/L	0.0010	101	85	115			
Uranium	0.0512	mg/L	0.00030	102	85	115			
Sample ID: C08031017-007CMS	Sample Matrix Spike				Run: SUB-C99752				04/16/08 18:08
Arsenic	0.223	mg/L	0.0010	89	70	130			
Cadmium	0.209	mg/L	0.010	84	70	130			
Lead	0.223	mg/L	0.050	89	70	130			
Mercury	0.0238	mg/L	0.0010	95	70	130			
Nickel	0.502	mg/L	0.050	89	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

MDC - Minimum detectable concentration

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040002

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R99752
Sample ID: C08031017-007CMS	Sample Matrix Spike				Run: SUB-C99752				04/16/08 18:08
Silver	0.0513	mg/L	0.010	51	70	130			S
Thorium 232	0.211	mg/L	0.0010	84	70	130			
Uranium	0.601	mg/L	0.00030	93	70	130			
Sample ID: C08031017-007CMSD	Sample Matrix Spike Duplicate				Run: SUB-C99752				04/16/08 18:14
Arsenic	0.250	mg/L	0.0010	99	70	130	11	20	
Cadmium	0.236	mg/L	0.010	94	70	130	12	20	
Lead	0.253	mg/L	0.050	101	70	130	13	20	
Mercury	0.0275	mg/L	0.0010	110	70	130	14	20	
Nickel	0.521	mg/L	0.050	96	70	130	3.6	20	
Silver	0.0686	mg/L	0.010	69	70	130	29	20	SR
Thorium 232	0.246	mg/L	0.0010	98	70	130	15	20	
Uranium	0.622	mg/L	0.00030	101	70	130	3.4	20	
Method: E200.8									Batch: C_18234
Sample ID: MB-18234	Method Blank				Run: SUB-C99827				04/17/08 13:25
Uranium	0.0008	mg/L	2E-05						
Sample ID: LCS1-18234	Laboratory Control Sample				Run: SUB-C99827				04/17/08 13:29
Uranium	0.0512	mg/L	0.00030	97	80	120			
Sample ID: R08040058-001I	Post Digestion Spike				Run: SUB-C99827				04/17/08 14:18
Uranium	0.0126	mg/L	0.00030	95	70	130			
Sample ID: R08040058-001I	Post Digestion Spike Duplicate				Run: SUB-C99827				04/17/08 14:22
Uranium	0.0126	mg/L	0.00030	95	70	130	0.1	20	

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.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040002

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R99837
Sample ID: LRB	Method Blank				Run: SUB-C99837				04/18/08 12:51
Arsenic	ND	mg/L	6E-05						
Cadmium	3E-05	mg/L	1E-05						
Lead	ND	mg/L	3E-05						
Mercury	ND	mg/L	8E-05						
Nickel	ND	mg/L	0.0007						
Silver	ND	mg/L	3E-05						
Thorium 232	0.0001	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C99837				04/18/08 12:58
Arsenic	0.0526	mg/L	0.0010	105	85	115			
Cadmium	0.0520	mg/L	0.0010	104	85	115			
Lead	0.0524	mg/L	0.0010	105	85	115			
Mercury	0.00529	mg/L	0.0010	106	85	115			
Nickel	0.0530	mg/L	0.0010	106	85	115			
Silver	0.0204	mg/L	0.0010	102	85	115			
Thorium 232	0.0515	mg/L	0.0010	103	85	115			
Uranium	0.0513	mg/L	0.00030	103	85	115			
Sample ID: R08040002-002C	Post Digestion Spike				Run: SUB-C99837				04/18/08 17:55
Arsenic	0.0615	mg/L	0.0010	107	70	130			
Cadmium	0.0498	mg/L	0.010	99	70	130			
Lead	0.0501	mg/L	0.050	100	70	130			
Mercury	0.00515	mg/L	0.0010	101	70	130			
Nickel	0.0543	mg/L	0.050	95	70	130			
Silver	0.00890	mg/L	0.010	45	70	130			S
Thorium 232	0.0520	mg/L	0.0010	104	70	130			
Uranium	0.106	mg/L	0.00030	97	70	130			
Sample ID: R08040002-002C	Post Digestion Spike Duplicate				Run: SUB-C99837				04/18/08 18:01
Arsenic	0.0598	mg/L	0.0010	104	70	130	2.8	20	
Cadmium	0.0485	mg/L	0.010	97	70	130	2.6	20	
Lead	0.0506	mg/L	0.050	101	70	130	1.0	20	
Mercury	0.00528	mg/L	0.0010	103	70	130	2.5	20	
Nickel	0.0525	mg/L	0.050	92	70	130	3.3	20	
Silver	0.00834	mg/L	0.010	42	70	130	0.0	20	S
Thorium 232	0.0523	mg/L	0.0010	104	70	130	0.5	20	
Uranium	0.106	mg/L	0.00030	99	70	130	0.8	20	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040002

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E245.1									Batch: C_B_31868
Sample ID: MB-31868	Method Blank				Run: SUB-C99522				04/11/08 12:57
Mercury	ND	mg/L	5E-05						
Sample ID: B08040977-001AMS	Sample Matrix Spike				Run: SUB-C99522				04/11/08 13:09
Mercury	0.0035	mg/L	0.0010	88	70	130			
Sample ID: B08040977-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C99522				04/11/08 13:11
Mercury	0.0035	mg/L	0.0010	88	70	130	0.0	30	
Sample ID: LFB-31868	Laboratory Fortified Blank				Run: SUB-C99522				04/11/08 14:33
Mercury	0.0021	mg/L	0.0010	106	85	115			
Sample ID: B08041116-007DMS	Sample Matrix Spike				Run: SUB-C99522				04/11/08 13:42
Mercury	0.0036	mg/L	0.0010	90	70	130			
Sample ID: B08041116-007DMSD	Sample Matrix Spike Duplicate				Run: SUB-C99522				04/11/08 13:45
Mercury	0.0036	mg/L	0.0010	89	70	130	1.1	30	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040002

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R34041
Sample ID: LFB0804024817-3	Laboratory Fortified Blank				Run: DIONEX_080402A				04/02/08 17:09
Chloride	4.58	mg/L	0.50	92	90	110			
Fluoride	1.95	mg/L	0.10	98	90	110			
Nitrogen, Nitrate as N	2.46	mg/L	0.10	98	90	110			
Nitrogen, Nitrite as N	2.35	mg/L	0.10	94	90	110			
Sulfate	13.6	mg/L	1.0	91	90	110			
Sample ID: LFB0804024817-4	Laboratory Fortified Blank				Run: DIONEX_080402A				04/02/08 17:24
Chloride	4.72	mg/L	0.50	94	90	110			
Fluoride	2.04	mg/L	0.10	102	90	110			
Nitrogen, Nitrate as N	2.28	mg/L	0.10	91	90	110			
Nitrogen, Nitrite as N	2.43	mg/L	0.10	97	90	110			
Sulfate	14.0	mg/L	1.0	93	90	110			
Sample ID: R08040002-001AMS	Sample Matrix Spike				Run: DIONEX_080402A				04/02/08 17:55
Chloride	250	mg/L	5.4	89	80	120			
Fluoride	103	mg/L	0.56	103	80	120			
Nitrogen, Nitrate as N	116	mg/L	1.3	93	80	120			
Nitrogen, Nitrite as N	123	mg/L	2.9	98	80	120			
Sulfate	1100	mg/L	3.4	83	80	120			
Sample ID: R08040002-001AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080402A				04/02/08 18:11
Chloride	245	mg/L	5.4	87	80	120	2.1	10	
Fluoride	101	mg/L	0.56	101	80	120	2.3	10	
Nitrogen, Nitrate as N	112	mg/L	1.3	90	80	120	3.1	10	
Nitrogen, Nitrite as N	119	mg/L	2.9	95	80	120	2.8	10	
Sulfate	1100	mg/L	3.4	83	80	120	0.1	10	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
ND - Not detected at the reporting limit.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040002

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R34057
Sample ID: LFB0804043239-3	Laboratory Fortified Blank				Run: DIONEX_080404A				04/04/08 18:07
Chloride	4.88	mg/L	0.50	98	90	110			
Fluoride	2.04	mg/L	0.10	102	90	110			
Nitrogen, Nitrate as N	2.30	mg/L	0.10	92	90	110			
Nitrogen, Nitrite as N	2.49	mg/L	0.10	100	90	110			
Sample ID: LFB0804043239-4	Laboratory Fortified Blank				Run: DIONEX_080404A				04/04/08 18:22
Chloride	4.74	mg/L	0.50	95	90	110			
Fluoride	2.03	mg/L	0.10	101	90	110			
Nitrogen, Nitrate as N	2.48	mg/L	0.10	99	90	110			
Nitrogen, Nitrite as N	2.42	mg/L	0.10	97	90	110			
Sample ID: R08040058-001AMS	Sample Matrix Spike				Run: DIONEX_080404A				04/04/08 19:09
Chloride	257	mg/L	5.4	91	80	120			
Fluoride	108	mg/L	0.56	108	80	120			
Nitrogen, Nitrate as N	116	mg/L	1.3	92	80	120			
Nitrogen, Nitrite as N	125	mg/L	2.9	100	80	120			
Sample ID: R08040058-001AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080404A				04/04/08 19:24
Chloride	247	mg/L	5.4	86	80	120	4.2	10	
Fluoride	103	mg/L	0.56	103	80	120	4.7	10	
Nitrogen, Nitrate as N	110	mg/L	1.3	88	80	120	4.9	10	
Nitrogen, Nitrite as N	120	mg/L	2.9	96	80	120	4.5	10	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

QA/QC Summary Report

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Report Date: 06/24/08
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Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0									Batch: C_GrAB-0425
Sample ID: MB-GrAB-0425	Method Blank				Run: SUB-C99839				04/16/08 03:08
Gross Alpha	-0.4	pCi/L							U
Gross Beta	-3	pCi/L							U
Sample ID: UNAT-GrAB-0425	Laboratory Control Sample				Run: SUB-C99839				04/16/08 03:08
Gross Alpha	250	pCi/L		103	70	130			
Sample ID: Cs137-GrAB-0425	Laboratory Control Sample				Run: SUB-C99839				04/16/08 03:08
Gross Beta	100	pCi/L		109	70	130			
Sample ID: C08040142-001CMS	Sample Matrix Spike				Run: SUB-C99839				04/16/08 03:08
Gross Alpha	280	pCi/L		113	70	130			
Sample ID: C08040142-001CMSD	Sample Matrix Spike Duplicate				Run: SUB-C99839				04/16/08 03:08
Gross Alpha	210	pCi/L		87	70	130	26	14.9	R
- The RPD for the MSD is high. The individual spike recoveries are within range, the MB is acceptable, and the LCS is within range, therefore the batch is approved.									
Sample ID: C08040142-001CMS	Sample Matrix Spike				Run: SUB-C99839				04/16/08 03:08
Gross Beta	100	pCi/L		109	70	130			
Sample ID: C08040142-001CMSD	Sample Matrix Spike Duplicate				Run: SUB-C99839				04/16/08 03:08
Gross Beta	100	pCi/L		110	70	130	1.2	15.9	
Sample ID: R08040002-002H	Sample Duplicate				Run: SUB-C99839				04/16/08 20:36
Gross Alpha	6200	pCi/L					3.2	12.5	
Gross Beta	2400	pCi/L					1.6	12	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration

ND - Not detected at the reporting limit.
R - RPD exceeds advisory limit.

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040002

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E901.1									Batch: C_R99476
Sample ID: LCS-R99476	Laboratory Control Sample				Run: SUB-C99476				04/04/08 16:45
Americium 241	740	pCi/L	20	91	70	130			
Cesium 137	1200	pCi/L	20	83	70	130			
Sample ID: MB-R99476	Method Blank				Run: SUB-C99476				04/04/08 16:45
Gross Gamma	ND	pCi/L							U
Sample ID: C08040148-004HDUP	Sample Duplicate				Run: SUB-C99476				04/04/08 16:45
Gross Gamma	580	pCi/L	20				3.1	30	

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

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

QA/QC Summary Report

Prepared by Rapid City, SD Branch

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040002

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: C_18234
Sample ID: C08040215-001AMS	Sample Matrix Spike				Run: SUB-C100044				04/21/08 14:47
Radium 226	120	pCi/Filter		94	70	130			
Sample ID: C08040215-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C100044				04/21/08 14:47
Radium 226	113	pCi/Filter		88	70	130	5.9	21.7	
Sample ID: LCS-18234	Laboratory Control Sample				Run: SUB-C100044				04/21/08 16:36
Radium 226	11	pCi/L		76	70	130			
Sample ID: MB-18234	Method Blank				Run: SUB-C100044				04/21/08 16:36
Radium 226	2	pCi/L							
Method: E903.0									Batch: C_RA226-2728
Sample ID: C08040239-004BMS	Sample Matrix Spike				Run: SUB-C100086				04/23/08 04:05
Radium 226	6.1	pCi/L		89	70	130			
Sample ID: C08040239-004BMSD	Sample Matrix Spike Duplicate				Run: SUB-C100086				04/23/08 04:05
Radium 226	5.9	pCi/L		86	70	130	3.0	22.3	
Sample ID: MB-RA226-2728	Method Blank				Run: SUB-C100086				04/23/08 04:06
Radium 226	0.3	pCi/L							
Sample ID: LCS-RA226-2728	Laboratory Control Sample				Run: SUB-C100086				04/23/08 14:56
Radium 226	6.0	pCi/L		90	70	130			

Qualifiers:

RL - Analyte reporting limit.
MDC - Minimum detectable concentration

ND - Not detected at the reporting limit.

Chain of Custody and Analytical Request Record

PLEASE PRINT- Provide as much information as possible.

Company Name: Respec	Project Name, PWS, Permit, Etc.: Dew Burdock	Sample Origin State: SD	EPA/State Compliance: Yes ☐ No ☐
Report Mail Address: RESPEC	Contact Name: Phone/Fax: Cory - foreman respec com	Email:	Sampler: (Please Print) Eric Krantz
Invoice Address: RESPEC	Invoice Contact & Phone: Cory.foreman@respec.com	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) Format: _____
☐ POTW/WWTP ☐ LEVEL IV
☐ State: _____ ☐ NELAC
☐ Other: _____

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

ANALYSIS REQUESTED

After Quote

SEE ATTACHED

Normal Turnaround (TAT)

RUSH

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

Comments:
~~SD~~
GW

Shipped by:

Cooler ID(s):

Receipt Temp 4.1 °C

On Ice: (Yes) No

Custody Seal Y N
Intact Y N
Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX		
1	Dew Burd GW696	03/31/08	13:41	W	SE Peterson Set 14 well	R0804002-001
2	Dew Burd GW680	03/31/08	15:15	W	Set 8 Burdock New Prod Test	002
3	Dew Burd GW697	03/31/08	16:31	W	Set 7 Putnam SE	003
4						
5						
6						
7						
8						
9						
10						

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by (print): Eric Krantz Date/Time: 4/1/08 08:30 Signature:
Relinquished by (print): Date/Time: Signature:
Sample Disposal: Return to Client: _____ Lab Disposal: _____

Received by (print): Steve Froiland Date/Time: 4-1-08 8:30 Signature:
Received by (print): Date/Time: Signature:
Received by Laboratory: Date/Time: 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 [illegible]

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ANALYTICAL SUMMARY REPORT

July 29, 2008

Cory Foreman
RESPEC Inc
3824 Jet Dr
Rapid City, SD 57701-

Workorder No.: R08040028 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 4 samples from RESPEC Inc on 4/2/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08040028-001	DewBurd GW615	04/01/08 14:34	04/02/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Mercury, Total Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved
R08040028-002	DewBurd GW615	04/01/08 14:42	04/02/08	Aqueous	Same As Above
R08040028-003	DewBurd GW622	04/01/08 14:56	04/02/08	Aqueous	Same As Above

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R08040028-004	DewBurd BLK01	04/01/08 16:35	04/02/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Conductivity Mercury, Total Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved

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: Linda Larson

Linda Larson
Rapid City - Project Manager

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040028-001
Client Sample ID: DewBurd GW615

Report Date: 07/29/08
Collection Date: 04/01/08 14:34
Date Received: 04/02/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	136	mg/L		5		1	A2320 B	04/07/08 10:59/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/07/08 10:59/mb
Bicarbonate as HCO3	166	mg/L		5		1	A2320 B	04/07/08 10:59/mb
Calcium	70.9	mg/L		0.5		1	E200.7	04/14/08 12:51/eli-c
Chloride	6	mg/L		1		1	E300.0	04/02/08 20:45/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	04/02/08 20:45/jmh
Magnesium	21.7	mg/L		0.5		1	E200.7	04/14/08 12:51/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	04/04/08 10:53/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	04/02/08 20:45/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	04/02/08 20:45/jmh
Potassium	8.7	mg/L		0.5		1	E200.7	04/14/08 12:51/eli-c
Silica	7.6	mg/L		0.5		1	E200.7	04/14/08 12:51/eli-c
Sodium	127	mg/L		0.5		1	E200.7	04/14/08 12:51/eli-c
Sulfate	378	mg/L	D	3		50	E300.0	04/02/08 19:59/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1050	umhos/cm		5.0		1	A2510 B	04/05/08 14:41/jmh
Oxidation-Reduction Potential	210	mV				1	A2580 B	04/04/08 00:00/jmh
pH	7.36	s.u.		0.01		1	A4500-H B	04/05/08 14:25/jmh
Sodium Adsorption Ratio (SAR)	3.4	unitless		0.10		1	Calculation	06/17/08 11:18/ADM
Solids, Total Dissolved TDS @ 180 C	670	mg/L		5		1	A2540 C	04/07/08 08:43/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.7	04/14/08 12:51/eli-c
Arsenic	0.020	mg/L		0.001		1	E200.8	04/28/08 20:37/eli-c
Barium	ND	mg/L		0.1		1	E200.7	04/14/08 12:51/eli-c
Boron	ND	mg/L		0.1		1	E200.7	04/14/08 12:51/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/28/08 20:37/eli-c
Chromium	ND	mg/L		0.05		1	E200.7	04/14/08 12:51/eli-c
Copper	ND	mg/L		0.01		1	E200.7	04/14/08 12:51/eli-c
Iron	0.70	mg/L		0.03		1	E200.7	04/14/08 12:51/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/28/08 20:37/eli-c
Manganese	0.08	mg/L		0.01		1	E200.7	04/14/08 12:51/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	04/28/08 20:37/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.7	04/14/08 12:51/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/28/08 20:37/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/07/08 12:36/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/28/08 20:37/eli-c

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.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040028-001
Client Sample ID: DewBurd GW615

Report Date: 07/29/08
Collection Date: 04/01/08 14:34
Date Received: 04/02/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	04/28/08 20:37/eli-c
Uranium	0.0026	mg/L		0.0003		1	E200.8	04/28/08 20:37/eli-c
Vanadium	ND	mg/L		0.1		1	E200.7	04/14/08 12:51/eli-c
Zinc	ND	mg/L		0.01		1	E200.7	04/14/08 12:51/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	04/17/08 13:33/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/07/08 10:06/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/07/08 15:12/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	18.2	pCi/L				1	E900.0	04/16/08 03:08/eli-c
Gross Alpha precision (±)	3.0	pCi/L				1	E900.0	04/16/08 03:08/eli-c
Gross Alpha MDC	3.0	pCi/L				1	E900.0	04/16/08 03:08/eli-c
Gross Beta	11.6	pCi/L				1	E900.0	04/16/08 03:08/eli-c
Gross Beta precision (±)	2.4	pCi/L				1	E900.0	04/16/08 03:08/eli-c
Gross Beta MDC	3.6	pCi/L				1	E900.0	04/16/08 03:08/eli-c
Lead 210	-2.5	pCi/L	U	1.0		1	E909.0M	04/15/08 11:15/eli-c
Lead 210 precision (±)	0.8	pCi/L				1	E909.0M	04/15/08 11:15/eli-c
Polonium 210	0.6	pCi/L	U	1.0		1	RMO-3008	04/08/08 12:00/eli-c
Polonium 210 precision (±)	1.0	pCi/L				1	RMO-3008	04/08/08 12:00/eli-c
Radium 226	1.8	pCi/L				1	E903.0	04/23/08 02:27/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	04/23/08 02:27/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	04/23/08 02:27/eli-c
Thorium 230	0.2	pCi/L		0.2		1	E907.0	04/11/08 15:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/11/08 15:30/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	04/04/08 16:45/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	04/04/08 16:45/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	27.1	pCi/L		1.0		1	E909.0M	04/10/08 11:00/eli-c
Lead 210 precision (±)	2.1	pCi/L				1	E909.0M	04/10/08 11:00/eli-c
Polonium 210	0.4	pCi/L		1.0		1	RMO-3008	04/29/08 15:30/eli-c
Polonium 210 precision (±)	0.40	pCi/L				1	RMO-3008	04/29/08 15:30/eli-c
Radium 226	0.3	pCi/L				1	E903.0	04/21/08 14:47/eli-c
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	04/21/08 14:47/eli-c

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

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Project: Edgemont
Lab ID: R08040028-001
Client Sample ID: DewBurd GW615

Report Date: 07/29/08
Collection Date: 04/01/08 14:34
Date Received: 04/02/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 MDC	0.1	pCi/L				1	E903.0	04/21/08 14:47/eli-c
Thorium 230	0.9	pCi/L		0.2		1	E907.0	04/09/08 16:00/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	04/09/08 16:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	1490	pCi/L		100		1	D5072-92	04/03/08 18:27/eli-c
Radon 222 precision (±)	67.5	pCi/L				1	D5072-92	04/03/08 18:27/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	04/16/08 23:33/eli-c
Arsenic	0.024	mg/L		0.001		1	E200.8	04/16/08 23:33/eli-c
Barium	ND	mg/L		0.1		2	E200.7	04/14/08 16:46/eli-c
Beryllium	ND	mg/L		0.001		2	E200.7	04/14/08 16:46/eli-c
Boron	ND	mg/L		0.1		2	E200.7	04/14/08 16:46/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/16/08 23:33/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	04/14/08 16:46/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/16/08 23:33/eli-c
Iron	1.35	mg/L		0.03		2	E200.7	04/14/08 16:46/eli-c
Lead	0.002	mg/L		0.001		1	E200.8	04/16/08 23:33/eli-c
Manganese	0.08	mg/L		0.01		2	E200.7	04/14/08 16:46/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	04/11/08 13:52/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	04/16/08 23:33/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	04/14/08 16:46/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	04/16/08 23:33/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/16/08 23:33/eli-c
Strontium	1.3	mg/L		0.1		1	E200.8	04/16/08 23:33/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	04/16/08 23:33/eli-c
Uranium	0.0026	mg/L		0.0003		1	E200.8	04/16/08 23:33/eli-c
Zinc	0.02	mg/L		0.01		1	E200.8	04/16/08 23:33/eli-c
DATA QUALITY								
A/C Balance (± 5)	1.45					1	A1030 E	06/17/08 00:00/ADM
Anions	10.8	meq/L				1	A1030 E	06/17/08 00:00/ADM
Cations	11.1	meq/L				1	A1030 E	06/17/08 00:00/ADM
Solids, Total Dissolved Calculated	715	mg/L				1	A1030 E	06/17/08 00:00/ADM
TDS Balance (0.80 - 1.20)	0.940					1	A1030 E	06/17/08 00:00/ADM

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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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040028-002
Client Sample ID: DewBurd GW615

Report Date: 07/29/08
Collection Date: 04/01/08 14:42
Date Received: 04/02/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	138	mg/L		5		1	A2320 B	04/07/08 11:15/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/07/08 11:15/mb
Bicarbonate as HCO3	168	mg/L		5		1	A2320 B	04/07/08 11:15/mb
Calcium	71.1	mg/L		0.5		1	E200.7	04/14/08 12:54/eli-c
Chloride	6	mg/L		1		1	E300.0	04/02/08 21:47/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	04/02/08 21:47/jmh
Magnesium	21.9	mg/L		0.5		1	E200.7	04/14/08 12:54/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	04/04/08 10:54/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	04/02/08 21:47/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	04/02/08 21:47/jmh
Potassium	8.6	mg/L		0.5		1	E200.7	04/14/08 12:54/eli-c
Silica	7.6	mg/L		0.5		1	E200.7	04/14/08 12:54/eli-c
Sodium	128	mg/L		0.5		1	E200.7	04/14/08 12:54/eli-c
Sulfate	370	mg/L	D	3		50	E300.0	04/02/08 21:00/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1050	umhos/cm		5.0		1	A2510 B	04/05/08 14:42/jmh
Oxidation-Reduction Potential	210	mV				1	A2580 B	04/04/08 00:00/jmh
pH	7.34	s.u.		0.01		1	A4500-H B	04/05/08 14:26/jmh
Sodium Adsorption Ratio (SAR)	3.4	unitless		0.10		1	Calculation	06/17/08 11:18/ADM
Solids, Total Dissolved TDS @ 180 C	680	mg/L		5		1	A2540 C	04/07/08 08:43/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.7	04/14/08 12:54/eli-c
Arsenic	0.019	mg/L		0.001		1	E200.8	04/28/08 20:43/eli-c
Barium	ND	mg/L		0.1		1	E200.7	04/14/08 12:54/eli-c
Boron	ND	mg/L		0.1		1	E200.7	04/14/08 12:54/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/28/08 20:43/eli-c
Chromium	ND	mg/L		0.05		1	E200.7	04/14/08 12:54/eli-c
Copper	ND	mg/L		0.01		1	E200.7	04/14/08 12:54/eli-c
Iron	0.66	mg/L		0.03		1	E200.7	04/14/08 12:54/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/28/08 20:43/eli-c
Manganese	0.08	mg/L		0.01		1	E200.7	04/14/08 12:54/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	04/28/08 20:43/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.7	04/14/08 12:54/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/28/08 20:43/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/07/08 12:39/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/28/08 20:43/eli-c

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.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040028-002
Client Sample ID: DewBurd GW615

Report Date: 07/29/08
Collection Date: 04/01/08 14:42
Date Received: 04/02/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	04/28/08 20:43/eli-c
Uranium	0.0026	mg/L		0.0003		1	E200.8	04/28/08 20:43/eli-c
Vanadium	ND	mg/L		0.1		1	E200.7	04/14/08 12:54/eli-c
Zinc	ND	mg/L		0.01		1	E200.7	04/14/08 12:54/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	04/17/08 13:37/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/07/08 10:08/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/07/08 15:12/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	17.7	pCi/L				1	E900.0	04/16/08 03:08/eli-c
Gross Alpha precision (±)	3.0	pCi/L				1	E900.0	04/16/08 03:08/eli-c
Gross Alpha MDC	3.0	pCi/L				1	E900.0	04/16/08 03:08/eli-c
Gross Beta	5.8	pCi/L				1	E900.0	04/16/08 03:08/eli-c
Gross Beta precision (±)	2.2	pCi/L				1	E900.0	04/16/08 03:08/eli-c
Gross Beta MDC	3.6	pCi/L				1	E900.0	04/16/08 03:08/eli-c
Lead 210	-13.8	pCi/L	U	1.0		1	E909.0M	04/11/08 09:45/eli-c
Lead 210 precision (±)	2.1	pCi/L				1	E909.0M	04/11/08 09:45/eli-c
Polonium 210	0.8	pCi/L	U	1.0		1	RMO-3008	04/08/08 12:00/eli-c
Polonium 210 precision (±)	0.9	pCi/L				1	RMO-3008	04/08/08 12:00/eli-c
Radium 226	2.3	pCi/L				1	E903.0	04/23/08 02:27/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	04/23/08 02:27/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	04/23/08 02:27/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	04/11/08 15:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/11/08 15:30/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	04/04/08 16:45/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	04/04/08 16:45/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	12.8	pCi/L		1.0		1	E909.0M	04/10/08 11:00/eli-c
Lead 210 precision (±)	1.5	pCi/L				1	E909.0M	04/10/08 11:00/eli-c
Polonium 210	0.9	pCi/L		1.0		1	RMO-3008	04/29/08 15:30/eli-c
Polonium 210 precision (±)	0.5	pCi/L				1	RMO-3008	04/29/08 15:30/eli-c
Radium 226	0.0	pCi/L	U			1	E903.0	04/21/08 14:47/eli-c
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	04/21/08 14:47/eli-c

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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: RESPEC Inc
Project: Edgemont
Lab ID: R08040028-002
Client Sample ID: DewBurd GW615

Report Date: 07/29/08
Collection Date: 04/01/08 14:42
Date Received: 04/02/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 MDC	0.2	pCi/L				1	E903.0	04/21/08 14:47/eli-c
Thorium 230	0.2	pCi/L		0.2		1	E907.0	04/09/08 16:00/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	04/09/08 16:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	1250	pCi/L		100		1	D5072-92	04/03/08 18:27/eli-c
Radon 222 precision (±)	64.9	pCi/L				1	D5072-92	04/03/08 18:27/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	04/16/08 23:40/eli-c
Arsenic	0.025	mg/L		0.001		1	E200.8	04/16/08 23:40/eli-c
Barium	ND	mg/L		0.1		2	E200.7	04/14/08 16:53/eli-c
Beryllium	ND	mg/L		0.001		2	E200.7	04/14/08 16:53/eli-c
Boron	ND	mg/L		0.1		2	E200.7	04/14/08 16:53/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/16/08 23:40/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	04/14/08 16:53/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/16/08 23:40/eli-c
Iron	1.40	mg/L		0.03		2	E200.7	04/14/08 16:53/eli-c
Lead	0.002	mg/L		0.001		1	E200.8	04/16/08 23:40/eli-c
Manganese	0.08	mg/L		0.01		2	E200.7	04/14/08 16:53/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	04/11/08 13:54/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	04/16/08 23:40/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	04/14/08 16:53/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	04/16/08 23:40/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/16/08 23:40/eli-c
Strontium	1.3	mg/L		0.1		1	E200.8	04/16/08 23:40/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	04/16/08 23:40/eli-c
Uranium	0.0025	mg/L		0.0003		1	E200.8	04/16/08 23:40/eli-c
Zinc	0.02	mg/L		0.01		1	E200.8	04/16/08 23:40/eli-c
DATA QUALITY								
A/C Balance (± 5)	2.22					1	A1030 E	06/17/08 00:00/ADM
Anions	10.7	meq/L				1	A1030 E	06/17/08 00:00/ADM
Cations	11.2	meq/L				1	A1030 E	06/17/08 00:00/ADM
Solids, Total Dissolved Calculated	710	mg/L				1	A1030 E	06/17/08 00:00/ADM
TDS Balance (0.80 - 1.20)	0.950					1	A1030 E	06/17/08 00:00/ADM

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040028-003
Client Sample ID: DewBurd GW622

Report Date: 07/29/08
Collection Date: 04/01/08 14:56
Date Received: 04/02/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	164	mg/L		5		1	A2320 B	04/07/08 11:19/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/07/08 11:19/mb
Bicarbonate as HCO3	200	mg/L		5		1	A2320 B	04/07/08 11:19/mb
Calcium	11.2	mg/L		0.5		2	E200.7	06/18/08 15:35/eli-c
Chloride	12	mg/L		1		1	E300.0	04/02/08 22:17/jmh
Fluoride	0.3	mg/L		0.1		1	E300.0	04/02/08 22:17/jmh
Magnesium	7.1	mg/L		0.5		2	E200.7	06/18/08 15:35/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	04/04/08 10:55/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	04/02/08 22:17/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	04/02/08 22:17/jmh
Potassium	11.3	mg/L		0.5		1	E200.7	04/14/08 12:58/eli-c
Silica	1.2	mg/L		0.5		1	E200.7	04/14/08 12:58/eli-c
Sodium	179	mg/L		0.5		1	E200.7	04/14/08 12:58/eli-c
Sulfate	470	mg/L	D	3		50	E300.0	04/02/08 22:02/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1260	umhos/cm		5.0		1	A2510 B	04/05/08 14:43/jmh
Oxidation-Reduction Potential	200	mV				1	A2580 B	04/04/08 00:00/jmh
pH	8.15	s.u.		0.01		1	A4500-H B	04/05/08 14:27/jmh
Sodium Adsorption Ratio (SAR)	11	unitless		0.10		1	Calculation	06/17/08 11:18/ADM
Solids, Total Dissolved TDS @ 180 C	800	mg/L		5		1	A2540 C	04/07/08 08:44/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.7	04/14/08 12:58/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	04/28/08 20:50/eli-c
Barium	ND	mg/L		0.1		1	E200.7	04/14/08 12:58/eli-c
Boron	ND	mg/L		0.1		1	E200.7	04/14/08 12:58/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/28/08 20:50/eli-c
Chromium	ND	mg/L		0.05		1	E200.7	04/14/08 12:58/eli-c
Copper	ND	mg/L		0.01		1	E200.7	04/14/08 12:58/eli-c
Iron	ND	mg/L		0.03		1	E200.7	04/14/08 12:58/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/28/08 20:50/eli-c
Manganese	0.02	mg/L		0.01		1	E200.7	04/14/08 12:58/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	04/28/08 20:50/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.7	04/14/08 12:58/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/28/08 20:50/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/07/08 12:45/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/28/08 20:50/eli-c

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.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040028-003
Client Sample ID: DewBurd GW622

Report Date: 07/29/08
Collection Date: 04/01/08 14:56
Date Received: 04/02/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	04/28/08 20:50/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	04/28/08 20:50/eli-c
Vanadium	ND	mg/L		0.1		1	E200.7	04/14/08 12:58/eli-c
Zinc	ND	mg/L		0.01		1	E200.7	04/14/08 12:58/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	04/17/08 13:54/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/07/08 10:15/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/07/08 15:12/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	15.0	pCi/L				1	E900.0	04/16/08 03:08/eli-c
Gross Alpha precision (±)	3.2	pCi/L				1	E900.0	04/16/08 03:08/eli-c
Gross Alpha MDC	3.5	pCi/L				1	E900.0	04/16/08 03:08/eli-c
Gross Beta	9.2	pCi/L				1	E900.0	04/16/08 03:08/eli-c
Gross Beta precision (±)	2.6	pCi/L				1	E900.0	04/16/08 03:08/eli-c
Gross Beta MDC	4.1	pCi/L				1	E900.0	04/16/08 03:08/eli-c
Lead 210	-3.5	pCi/L	U	1.0		1	E909.0M	04/11/08 09:45/eli-c
Lead 210 precision (±)	1.1	pCi/L				1	E909.0M	04/11/08 09:45/eli-c
Polonium 210	0.8	pCi/L	U	1.0		1	RMO-3008	04/08/08 12:00/eli-c
Polonium 210 precision (±)	0.9	pCi/L				1	RMO-3008	04/08/08 12:00/eli-c
Radium 226	2.3	pCi/L				1	E903.0	04/23/08 02:27/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	04/23/08 02:27/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	04/23/08 02:27/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	04/11/08 15:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/11/08 15:30/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	04/04/08 16:45/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	04/04/08 16:45/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	04/10/08 11:00/eli-c
Lead 210 precision (±)	1.1	pCi/L				1	E909.0M	04/10/08 11:00/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	04/29/08 15:30/eli-c
Polonium 210 precision (±)	0.1	pCi/L				1	RMO-3008	04/29/08 15:30/eli-c
Radium 226	0.7	pCi/L				1	E903.0	04/21/08 14:47/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	04/21/08 14:47/eli-c

Report Definitions:
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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: RESPEC Inc
Project: Edgemont
Lab ID: R08040028-003
Client Sample ID: DewBurd GW622

Report Date: 07/29/08
Collection Date: 04/01/08 14:56
Date Received: 04/02/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 MDC	0.1	pCi/L				1	E903.0	04/21/08 14:47/eli-c
Thorium 230	0.2	pCi/L		0.2		1	E907.0	04/09/08 16:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/09/08 16:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	501	pCi/L		100		1	D5072-92	04/03/08 18:27/eli-c
Radon 222 precision (±)	56.4	pCi/L				1	D5072-92	04/03/08 18:27/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	04/16/08 23:46/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	04/16/08 23:46/eli-c
Barium	ND	mg/L		0.1		2	E200.7	04/14/08 16:56/eli-c
Beryllium	ND	mg/L		0.001		2	E200.7	04/14/08 16:56/eli-c
Boron	ND	mg/L		0.1		2	E200.7	04/14/08 16:56/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/16/08 23:46/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	04/14/08 16:56/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/16/08 23:46/eli-c
Iron	0.96	mg/L		0.03		2	E200.7	04/14/08 16:56/eli-c
Lead	0.004	mg/L		0.001		1	E200.8	04/16/08 23:46/eli-c
Manganese	0.02	mg/L		0.01		2	E200.7	04/14/08 16:56/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	04/11/08 13:57/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	04/16/08 23:46/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	04/14/08 16:56/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	04/16/08 23:46/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/16/08 23:46/eli-c
Strontium	ND	mg/L		0.1		1	E200.8	04/16/08 23:46/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	04/16/08 23:46/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	04/16/08 23:46/eli-c
Zinc	0.03	mg/L		0.01		1	E200.8	04/16/08 23:46/eli-c
DATA QUALITY								
A/C Balance (± 5)	-18.5	%				1	A1030 E	07/02/08 00:00/jmh
Anions	13.4	meq/L				1	A1030 E	07/02/08 00:00/jmh
Cations	9.23	meq/L				1	A1030 E	07/02/08 00:00/jmh
Solids, Total Dissolved Calculated	793	mg/L				1	A1030 E	07/02/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.01					1	A1030 E	07/02/08 00:00/jmh

Report Definitions: RL - Analyte reporting limit.
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MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040028-004
Client Sample ID: DewBurd BLK01

Report Date: 07/29/08
Collection Date: 04/01/08 16:35
Date Received: 04/02/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	ND	mg/L		5		1	A2320 B	04/07/08 11:24/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/07/08 11:24/mb
Bicarbonate as HCO3	ND	mg/L		5		1	A2320 B	04/07/08 11:24/mb
Calcium	ND	mg/L		0.5		1	E200.7	04/14/08 13:01/eli-c
Chloride	ND	mg/L		1		1	E300.0	04/02/08 22:33/jmh
Fluoride	ND	mg/L		0.1		1	E300.0	04/02/08 22:33/jmh
Magnesium	ND	mg/L		0.5		1	E200.7	04/14/08 13:01/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	04/04/08 10:56/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	04/02/08 22:33/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	04/02/08 22:33/jmh
Potassium	ND	mg/L		0.5		1	E200.7	04/14/08 13:01/eli-c
Silica	ND	mg/L		0.5		1	E200.7	04/14/08 13:01/eli-c
Sodium	ND	mg/L		0.5		1	E200.7	04/14/08 13:01/eli-c
Sulfate	ND	mg/L		1		1	E300.0	04/02/08 22:33/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	ND	umhos/cm		5.0		1	A2510 B	04/05/08 14:44/jmh
Oxidation-Reduction Potential	300	mV				1	A2580 B	04/04/08 00:00/jmh
pH	5.73	s.u.		0.01		1	A4500-H B	04/05/08 14:29/jmh
Sodium Adsorption Ratio (SAR)	ND	unitless		0.10		1	Calculation	06/17/08 00:00/ADM
Solids, Total Dissolved TDS @ 180 C	ND	mg/L		5		1	A2540 C	04/07/08 08:44/mb
- SAR calculations may not be appropriate for near blank results.								
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.7	04/14/08 13:01/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	04/22/08 15:38/eli-c
Barium	ND	mg/L		0.1		1	E200.7	04/14/08 13:01/eli-c
Boron	ND	mg/L		0.1		1	E200.7	04/14/08 13:01/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/22/08 15:38/eli-c
Chromium	ND	mg/L		0.05		1	E200.7	04/14/08 13:01/eli-c
Copper	ND	mg/L		0.01		1	E200.7	04/14/08 13:01/eli-c
Iron	ND	mg/L		0.03		1	E200.7	04/14/08 13:01/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/22/08 15:38/eli-c
Manganese	ND	mg/L		0.01		1	E200.7	04/14/08 13:01/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	04/22/08 15:38/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.7	04/14/08 13:01/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/22/08 15:38/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/07/08 12:47/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/22/08 15:38/eli-c

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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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040028-004
Client Sample ID: DewBurd BLK01

Report Date: 07/29/08
Collection Date: 04/01/08 16:35
Date Received: 04/02/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	04/22/08 15:38/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	04/22/08 15:38/eli-c
Vanadium	ND	mg/L		0.1		1	E200.7	04/14/08 13:01/eli-c
Zinc	0.01	mg/L		0.01		1	E200.7	04/14/08 13:01/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	04/17/08 13:58/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/07/08 10:18/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/07/08 15:12/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	-0.4	pCi/L	U			1	E900.0	04/16/08 03:08/eli-c
Gross Alpha precision (±)	0.5	pCi/L				1	E900.0	04/16/08 03:08/eli-c
Gross Alpha MDC	1.0	pCi/L				1	E900.0	04/16/08 03:08/eli-c
Gross Beta	-2.7	pCi/L	U			1	E900.0	04/16/08 03:08/eli-c
Gross Beta precision (±)	1.5	pCi/L				1	E900.0	04/16/08 03:08/eli-c
Gross Beta MDC	2.7	pCi/L				1	E900.0	04/16/08 03:08/eli-c
Lead 210	-11	pCi/L	U	1.0		1	E909.0M	04/11/08 09:45/eli-c
Lead 210 precision (±)	1.9	pCi/L				1	E909.0M	04/11/08 09:45/eli-c
Polonium 210	1.0	pCi/L		1.0		1	RMO-3008	04/08/08 12:00/eli-c
Polonium 210 precision (±)	0.8	pCi/L				1	RMO-3008	04/08/08 12:00/eli-c
Radium 226	0.2	pCi/L				1	E903.0	04/23/08 02:27/eli-c
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	04/23/08 02:27/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	04/23/08 02:27/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	04/11/08 15:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/11/08 15:30/eli-c
Gross Gamma	0.0	pCi/L		20		1	E901.1	04/04/08 16:45/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	04/04/08 16:45/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	04/10/08 11:00/eli-c
Lead 210 precision (±)	0.8	pCi/L				1	E909.0M	04/10/08 11:00/eli-c
Polonium 210	0.1	pCi/L	U	1.0		1	RMO-3008	04/29/08 15:30/eli-c
Polonium 210 precision (±)	0.3	pCi/L				1	RMO-3008	04/29/08 15:30/eli-c
Radium 226	0.4	pCi/L				1	E903.0	04/21/08 14:47/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	04/21/08 14:47/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040028-004
Client Sample ID: DewBurd BLK01

Report Date: 07/29/08
Collection Date: 04/01/08 16:35
Date Received: 04/02/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 MDC	0.2	pCi/L				1	E903.0	04/21/08 14:47/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	04/09/08 16:00/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	04/09/08 16:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	136	pCi/L		100		1	D5072-92	04/03/08 18:27/eli-c
Radon 222 precision (±)	51.1	pCi/L				1	D5072-92	04/03/08 18:27/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	04/16/08 23:53/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	04/16/08 23:53/eli-c
Barium	ND	mg/L		0.1		2	E200.7	04/14/08 17:00/eli-c
Beryllium	ND	mg/L		0.001		2	E200.7	04/14/08 17:00/eli-c
Boron	ND	mg/L		0.1		2	E200.7	04/14/08 17:00/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/16/08 23:53/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	04/14/08 17:00/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/16/08 23:53/eli-c
Iron	ND	mg/L		0.03		2	E200.7	04/14/08 17:00/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/16/08 23:53/eli-c
Manganese	ND	mg/L		0.01		2	E200.7	04/14/08 17:00/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	04/11/08 13:59/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	04/16/08 23:53/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	04/14/08 17:00/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	04/16/08 23:53/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/16/08 23:53/eli-c
Strontium	ND	mg/L		0.1		1	E200.8	04/16/08 23:53/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	04/16/08 23:53/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	04/16/08 23:53/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	04/16/08 23:53/eli-c

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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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08040028

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 080407A-ALK-SEL-W	
Sample ID: LCS1_080407A	Laboratory Control Sample				Run: PH_COND1-R_080407B			04/07/08 10:43	
Alkalinity, Total as CaCO3	972	mg/L	5.0	97	90	110			
Sample ID: MBLK1_080407A	Method Blank				Run: PH_COND1-R_080407B			04/07/08 10:46	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Sample ID: R08040028-001AMS	Sample Matrix Spike				Run: PH_COND1-R_080407B			04/07/08 11:05	
Alkalinity, Total as CaCO3	236	mg/L	5.0	94	80	120			
Sample ID: R08040028-001AMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_080407B			04/07/08 11:11	
Alkalinity, Total as CaCO3	240	mg/L	5.0	98	80	120	1.7	10	
Method: A2510 B								Batch: 080405_1_COND-PROBE-W	
Sample ID: LCS1-1_080405	Laboratory Control Sample				Run: PH_COND2-R_080405A			04/05/08 14:35	
Conductivity @ 25 C	145	umhos/cm	5.0	97	90	110			
Sample ID: LCS2-1_080405	Laboratory Control Sample				Run: PH_COND2-R_080405A			04/05/08 14:36	
Conductivity @ 25 C	4950	umhos/cm	5.0	99	90	110			
Sample ID: LCS_COND-1_080405	Laboratory Control Sample				Run: PH_COND2-R_080405A			04/05/08 14:36	
Conductivity @ 25 C	1400	umhos/cm	5.0	99	90	110			
Sample ID: MBLK-1_080405	Method Blank				Run: PH_COND2-R_080405A			04/05/08 14:37	
Conductivity @ 25 C	ND	umhos/cm	5						
Method: A2540 C								Batch: 080407A-SLDS-TDS-W	
Sample ID: LCS1_080407A	Laboratory Control Sample				Run: BAL-4-R_080407A			04/07/08 08:38	
Solids, Total Dissolved TDS @ 180 C	2000	mg/L	5.0	102	90	110			
Sample ID: MBLK1_080407A	Method Blank				Run: BAL-4-R_080407A			04/07/08 08:39	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: R08040002-002AMS	Sample Matrix Spike				Run: BAL-4-R_080407A			04/07/08 08:41	
Solids, Total Dissolved TDS @ 180 C	4300	mg/L	5.0	104	80	120			
Sample ID: R08040002-002AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080407A			04/07/08 08:41	
Solids, Total Dissolved TDS @ 180 C	4300	mg/L	5.0	107	80	120	1.3	10	
Sample ID: R08040069-001AMS	Sample Matrix Spike				Run: BAL-4-R_080407A			04/07/08 08:48	
Solids, Total Dissolved TDS @ 180 C	3400	mg/L	5.0	107	80	120			
Sample ID: R08040069-001AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080407A			04/07/08 08:48	
Solids, Total Dissolved TDS @ 180 C	3400	mg/L	5.0	107	80	120	0.3	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08040028

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B									Batch: C_SE-3114-080407A
Sample ID: MBLK	Method Blank				Run: SUB-C99208				04/07/08 12:04
Selenium	ND	mg/L	6E-05						
Sample ID: 288-54-6	Laboratory Control Sample				Run: SUB-C99208				04/07/08 12:06
Selenium	0.050	mg/L	0.0010	100	90	110			
Sample ID: C08040192-002EMS	Sample Matrix Spike				Run: SUB-C99208				04/07/08 12:41
Selenium	0.050	mg/L	0.0010	99	85	115			
Sample ID: C08040192-002EMSD	Sample Matrix Spike Duplicate				Run: SUB-C99208				04/07/08 12:43
Selenium	0.051	mg/L	0.0010	101	85	115	2.0	10	
Method: A3114 B									Batch: C_SEIV-3114-080407
Sample ID: MBLK	Method Blank				Run: SUB-C99195				04/07/08 09:27
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-54-6	Laboratory Control Sample				Run: SUB-C99195				04/07/08 09:29
Selenium-IV	0.045	mg/L	0.0010	91	90	110			
Sample ID: C08040192-002EMS	Sample Matrix Spike				Run: SUB-C99195				04/07/08 10:10
Selenium-IV	0.043	mg/L	0.0010	86	85	115			
Sample ID: C08040192-002EMSD	Sample Matrix Spike Duplicate				Run: SUB-C99195				04/07/08 10:12
Selenium-IV	0.045	mg/L	0.0010	90	85	115	4.7	10	
Method: A4500-H B									Batch: 080405_1_PH-W
Sample ID: LCS_pH-1_080405	Laboratory Control Sample				Run: PH_COND2-R_080405A				04/05/08 14:19
pH	6.94	s.u.	0.010	101	98.55	101.45			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08040028

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G								Batch: A2008-04-04_2_NH3_01	
Sample ID: MBLK-2	Method Blank				Run: TECHAA2-R_080404A			04/04/08 09:05	
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_080404A			04/04/08 09:06	
Nitrogen, Ammonia as N	0.24	mg/L	0.10	98	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_080404A			04/04/08 09:08	
Nitrogen, Ammonia as N	0.24	mg/L	0.10	98	90	110			
Sample ID: R08040003-001CMS	Sample Matrix Spike				Run: TECHAA2-R_080404A			04/04/08 10:49	
Nitrogen, Ammonia as N	0.19	mg/L	0.10	76	80	120			S
Sample ID: R08040003-001CMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080404A			04/04/08 10:50	
Nitrogen, Ammonia as N	0.19	mg/L	0.10	74	80	120	3.2	10	S
Method: D5072-92								Batch: C_R99230	
Sample ID: C08040148-009GDUP	Sample Duplicate				Run: SUB-C99230			04/03/08 18:27	
Radon 222	464	pCi/L	100				5.5	30	
Sample ID: MB-R99230	Method Blank				Run: SUB-C99230			04/03/08 18:27	
Radon 222	-10	pCi/L							U
Sample ID: LCS-R99230	Laboratory Control Sample				Run: SUB-C99230			04/03/08 18:27	
Radon 222	298	pCi/L	100	98	70	130			

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08040028

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_18214
Sample ID: MB-18214	Method Blank				Run: SUB-C99617				04/14/08 16:36
Barium	ND	mg/L	0.004						
Boron	0.008	mg/L	0.006						
Chromium	ND	mg/L	0.003						
Iron	ND	mg/L	0.005						
Manganese	ND	mg/L	0.0008						
Nickel	ND	mg/L	0.02						
Sample ID: LCS-18214	Laboratory Control Sample				Run: SUB-C99617				04/14/08 16:39
Barium	0.497	mg/L	0.10	99	85	115			
Boron	0.503	mg/L	0.10	101	85	115			
Chromium	0.508	mg/L	0.050	102	85	115			
Iron	0.504	mg/L	0.030	101	85	115			
Manganese	0.484	mg/L	0.010	97	85	115			
Nickel	0.474	mg/L	0.050	95	85	115			
Sample ID: C08040196-003D MS	Sample Matrix Spike				Run: SUB-C99617				04/14/08 17:23
Barium	0.521	mg/L	0.10	100	70	130			
Boron	0.573	mg/L	0.10	100	70	130			
Chromium	0.502	mg/L	0.050	100	70	130			
Iron	0.621	mg/L	0.030	103	70	130			
Manganese	0.566	mg/L	0.010	98	70	130			
Nickel	0.459	mg/L	0.050	92	70	130			
Sample ID: C08040196-003D MSD	Sample Matrix Spike Duplicate				Run: SUB-C99617				04/14/08 17:26
Barium	0.517	mg/L	0.10	99	70	130	0.7	20	
Boron	0.566	mg/L	0.10	99	70	130	1.3	20	
Chromium	0.501	mg/L	0.050	100	70	130	0.3	20	
Iron	0.621	mg/L	0.030	103	70	130	0.0	20	
Manganese	0.559	mg/L	0.010	96	70	130	1.2	20	
Nickel	0.481	mg/L	0.050	96	70	130	4.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08040028

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R99617
Sample ID: MB-080414A	Method Blank				Run: SUB-C99617				04/14/08 12:04
Silica	ND	mg/L	0.06						
Aluminum	ND	mg/L	0.008						
Barium	ND	mg/L	0.006						
Boron	0.006	mg/L	0.004						
Calcium	ND	mg/L	0.04						
Chromium	ND	mg/L	0.003						
Copper	ND	mg/L	0.005						
Iron	ND	mg/L	0.002						
Magnesium	ND	mg/L	0.04						
Manganese	ND	mg/L	0.0004						
Molybdenum	ND	mg/L	0.01						
Potassium	ND	mg/L	0.08						
Sodium	ND	mg/L	0.06						
Vanadium	ND	mg/L	0.006						
Zinc	ND	mg/L	0.004						
Sample ID: LFB-080414A	Laboratory Fortified Blank				Run: SUB-C99617				04/14/08 12:08
Silica	0.96	mg/L	0.10	96	85	125			
Aluminum	0.92	mg/L	0.10	92	85	125			
Barium	0.93	mg/L	0.10	93	85	125			
Boron	0.95	mg/L	0.10	94	85	125			
Calcium	51	mg/L	0.50	102	85	125			
Chromium	0.95	mg/L	0.050	95	85	125			
Copper	0.89	mg/L	0.010	89	85	125			
Iron	0.93	mg/L	0.030	93	85	125			
Magnesium	50	mg/L	0.50	100	85	125			
Manganese	0.91	mg/L	0.010	91	85	125			
Molybdenum	0.99	mg/L	0.10	99	85	125			
Potassium	47	mg/L	0.50	94	85	125			
Sodium	48	mg/L	0.50	96	85	125			
Vanadium	0.97	mg/L	0.10	97	85	125			
Zinc	0.96	mg/L	0.010	96	85	125			
Sample ID: C08040196-001CMS2	Sample Matrix Spike				Run: SUB-C99617				04/14/08 13:08
Aluminum	0.872	mg/L	0.10	86	70	130			
Barium	0.916	mg/L	0.10	89	70	130			
Boron	0.930	mg/L	0.10	86	70	130			
Chromium	0.901	mg/L	0.050	88	70	130			
Copper	0.852	mg/L	0.010	84	70	130			
Iron	0.907	mg/L	0.030	87	70	130			
Manganese	0.926	mg/L	0.010	86	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08040028

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R99617
Sample ID: C08040196-001CMS2	Sample Matrix Spike				Run: SUB-C99617				04/14/08 13:08
Molybdenum	0.922	mg/L	0.10	90	70	130			
Vanadium	0.938	mg/L	0.10	92	70	130			
Zinc	0.978	mg/L	0.010	96	70	130			
Calcium	74.4	mg/L	1.0	91	70	130			
Magnesium	56.4	mg/L	1.0	91	70	130			
Potassium	55.4	mg/L	1.0	90	70	130			
Silica	8.74	mg/L	0.10		70	130			A
Sodium	303	mg/L	1.0		70	130			A
Sample ID: C08040196-001CMSD2	Sample Matrix Spike Duplicate				Run: SUB-C99617				04/14/08 13:11
Aluminum	0.863	mg/L	0.10	85	70	130	1.1	20	
Barium	0.911	mg/L	0.10	88	70	130	0.6	20	
Boron	0.933	mg/L	0.10	86	70	130	0.3	20	
Chromium	0.893	mg/L	0.050	88	70	130	0.9	20	
Copper	0.849	mg/L	0.010	83	70	130	0.4	20	
Iron	0.913	mg/L	0.030	88	70	130	0.7	20	
Manganese	0.922	mg/L	0.010	86	70	130	0.4	20	
Molybdenum	0.915	mg/L	0.10	90	70	130	0.8	20	
Vanadium	0.932	mg/L	0.10	91	70	130	0.7	20	
Zinc	0.969	mg/L	0.010	95	70	130	0.9	20	
Calcium	74.5	mg/L	1.0	91	70	130	0.1	20	
Magnesium	56.5	mg/L	1.0	91	70	130	0.2	20	
Potassium	55.9	mg/L	1.0	91	70	130	0.9	20	
Silica	8.79	mg/L	0.10		70	130	0.6	20	A
Sodium	303	mg/L	1.0		70	130	0.1	20	A
Sample ID: C08040167-001CMS2	Sample Matrix Spike				Run: SUB-C99617				04/14/08 14:01
Aluminum	0.873	mg/L	0.10	85	70	130			
Barium	0.944	mg/L	0.10	89	70	130			
Boron	0.963	mg/L	0.10	92	70	130			
Chromium	0.919	mg/L	0.050	90	70	130			
Copper	0.843	mg/L	0.010	83	70	130			
Iron	0.973	mg/L	0.030	88	70	130			
Manganese	0.899	mg/L	0.010	86	70	130			
Molybdenum	0.941	mg/L	0.10	92	70	130			
Vanadium	0.939	mg/L	0.10	92	70	130			
Zinc	0.967	mg/L	0.010	95	70	130			
Calcium	104	mg/L	1.0	87	70	130			
Magnesium	54.3	mg/L	1.0	93	70	130			
Potassium	47.1	mg/L	1.0	88	70	130			
Silica	15.4	mg/L	0.10		70	130			A

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08040028

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R99617
Sample ID: C08040167-001CMS2	Sample Matrix Spike				Run: SUB-C99617				04/14/08 14:01
Sodium	60.9	mg/L	1.0	89	70	130			
Sample ID: C08040167-001CMSD2	Sample Matrix Spike Duplicate				Run: SUB-C99617				04/14/08 14:04
Aluminum	0.875	mg/L	0.10	86	70	130	0.2	20	
Barium	0.940	mg/L	0.10	89	70	130	0.3	20	
Boron	0.970	mg/L	0.10	93	70	130	0.7	20	
Chromium	0.917	mg/L	0.050	90	70	130	0.2	20	
Copper	0.848	mg/L	0.010	83	70	130	0.6	20	
Iron	0.977	mg/L	0.030	88	70	130	0.4	20	
Manganese	0.898	mg/L	0.010	86	70	130	0.1	20	
Molybdenum	0.939	mg/L	0.10	92	70	130	0.2	20	
Vanadium	0.934	mg/L	0.10	92	70	130	0.5	20	
Zinc	0.957	mg/L	0.010	94	70	130	1.1	20	
Calcium	104	mg/L	1.0	87	70	130	0.3	20	
Magnesium	54.2	mg/L	1.0	92	70	130	0.2	20	
Potassium	47.1	mg/L	1.0	88	70	130	0.0	20	
Silica	15.4	mg/L	0.10		0	0			
Sodium	61.0	mg/L	1.0	89	70	130	0.2	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08040028

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18214
Sample ID: MB-18214	Method Blank				Run: SUB-C99752				04/16/08 21:17
Antimony	ND	mg/L	0.0002						
Arsenic	7E-05	mg/L	5E-05						
Cadmium	ND	mg/L	3E-05						
Copper	ND	mg/L	0.0002						
Lead	ND	mg/L	5E-05						
Molybdenum	ND	mg/L	5E-05						
Selenium	ND	mg/L	0.0002						
Silver	9E-05	mg/L	4E-05						
Strontium	0.00010	mg/L	8E-05						
Thallium	7E-05	mg/L	3E-05						
Uranium	0.0001	mg/L	3E-05						
Zinc	0.003	mg/L	0.0003						
Sample ID: LCS-18214	Laboratory Control Sample				Run: SUB-C99752				04/16/08 21:24
Antimony	0.510	mg/L	0.050	102	85	115			
Arsenic	0.525	mg/L	0.0010	105	85	115			
Cadmium	0.522	mg/L	0.010	104	85	115			
Copper	0.513	mg/L	0.010	103	85	115			
Lead	0.514	mg/L	0.050	103	85	115			
Molybdenum	0.508	mg/L	0.10	102	85	115			
Selenium	0.528	mg/L	0.0020	106	85	115			
Silver	0.159	mg/L	0.010	79	85	115			S
Strontium	0.519	mg/L	0.10	104	85	115			
Thallium	0.511	mg/L	0.10	102	85	115			
Uranium	0.551	mg/L	0.00032	110	85	115			
Zinc	0.547	mg/L	0.010	109	85	115			
- The LCS Silver recovery was outside of the recommended acceptance range. The MS and MSD recoveries were within acceptance range, and so the batch is accepted.									
Sample ID: C08040196-003D MS4	Post Digestion Spike				Run: SUB-C99752				04/17/08 00:20
Antimony	0.0213	mg/L	0.050	106	70	130			
Arsenic	0.0230	mg/L	0.0010	106	70	130			
Cadmium	0.0196	mg/L	0.010	98	70	130			
Copper	0.0203	mg/L	0.010	97	70	130			
Lead	0.0204	mg/L	0.050	102	70	130			
Molybdenum	0.0255	mg/L	0.10	106	70	130			
Selenium	0.0971	mg/L	0.0010	97	70	130			
Silver	0.0200	mg/L	0.010	100	70	130			
Strontium	0.931	mg/L	0.10		70	130			A
Thallium	0.0196	mg/L	0.10	98	70	130			
Uranium	0.0246	mg/L	0.00030	107	70	130			
Zinc	0.0258	mg/L	0.010	96	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08040028

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18214
Sample ID: C08040196-003D MSD4	Post Digestion Spike Duplicate				Run: SUB-C99752				04/17/08 00:27
Antimony	0.0215	mg/L	0.050	107	70	130	0.0	20	
Arsenic	0.0222	mg/L	0.0010	102	70	130	3.7	20	
Cadmium	0.0198	mg/L	0.010	99	70	130	1.0	20	
Copper	0.0200	mg/L	0.010	96	70	130	1.2	20	
Lead	0.0207	mg/L	0.050	103	70	130	0.0	20	
Molybdenum	0.0260	mg/L	0.10	108	70	130	0.0	20	
Selenium	0.0971	mg/L	0.0010	97	70	130	0.0	20	
Silver	0.0205	mg/L	0.010	102	70	130	2.5	20	
Strontium	0.941	mg/L	0.10		70	130	1.0	20	A
Thallium	0.0202	mg/L	0.10	101	70	130	0.0	20	
Uranium	0.0249	mg/L	0.00030	109	70	130	1.2	20	
Zinc	0.0254	mg/L	0.010	94	70	130	1.4	20	
Method: E200.8									Batch: C_18234
Sample ID: MB-18234	Method Blank				Run: SUB-C99827				04/17/08 13:25
Uranium	0.0008	mg/L	2E-05						
Sample ID: LCS1-18234	Laboratory Control Sample				Run: SUB-C99827				04/17/08 13:29
Uranium	0.0512	mg/L	0.00030	97	80	120			
Sample ID: R08040058-001I	Post Digestion Spike				Run: SUB-C99827				04/17/08 14:18
Uranium	0.0126	mg/L	0.00030	95	70	130			
Sample ID: R08040058-001I	Post Digestion Spike Duplicate				Run: SUB-C99827				04/17/08 14:22
Uranium	0.0126	mg/L	0.00030	95	70	130	0.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08040028

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R100014
Sample ID: LRB	Method Blank				Run: SUB-C100014				04/22/08 14:44
Arsenic	ND	mg/L	6E-05						
Cadmium	ND	mg/L	1E-05						
Lead	ND	mg/L	3E-05						
Mercury	ND	mg/L	8E-05						
Nickel	ND	mg/L	0.0007						
Silver	ND	mg/L	3E-05						
Thorium 232	0.0002	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C100014				04/22/08 14:51
Arsenic	0.0530	mg/L	0.0010	106	85	115			
Cadmium	0.0534	mg/L	0.0010	107	85	115			
Lead	0.0538	mg/L	0.0010	108	85	115			
Mercury	0.00542	mg/L	0.0010	108	85	115			
Nickel	0.0535	mg/L	0.0010	107	85	115			
Silver	0.0206	mg/L	0.0010	103	85	115			
Thorium 232	0.0533	mg/L	0.0010	106	85	115			
Uranium	0.0523	mg/L	0.00030	105	85	115			
Sample ID: R08040028-004C	Post Digestion Spike				Run: SUB-C100014				04/22/08 15:45
Arsenic	0.0514	mg/L	0.0010	103	70	130			
Cadmium	0.0511	mg/L	0.010	102	70	130			
Lead	0.0519	mg/L	0.050	104	70	130			
Mercury	0.00518	mg/L	0.0010	104	70	130			
Nickel	0.0507	mg/L	0.050	101	70	130			
Silver	0.0165	mg/L	0.010	82	70	130			
Thorium 232	0.0511	mg/L	0.0010	102	70	130			
Uranium	0.0513	mg/L	0.00030	102	70	130			
Sample ID: R08040028-004C	Post Digestion Spike Duplicate				Run: SUB-C100014				04/22/08 16:12
Arsenic	0.0514	mg/L	0.0010	103	70	130	0.1	20	
Cadmium	0.0515	mg/L	0.010	103	70	130	0.8	20	
Lead	0.0519	mg/L	0.050	104	70	130	0.0	20	
Mercury	0.00524	mg/L	0.0010	105	70	130	1.1	20	
Nickel	0.0511	mg/L	0.050	102	70	130	0.8	20	
Silver	0.0175	mg/L	0.010	87	70	130	6.0	20	
Thorium 232	0.0513	mg/L	0.0010	103	70	130	0.4	20	
Uranium	0.0506	mg/L	0.00030	101	70	130	1.3	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08040028

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R100330
Sample ID: LRB	Method Blank				Run: SUB-C100330				04/28/08 11:48
Arsenic	ND	mg/L	6E-05						
Cadmium	2E-05	mg/L	1E-05						
Lead	ND	mg/L	3E-05						
Mercury	ND	mg/L	8E-05						
Nickel	ND	mg/L	0.0007						
Silver	ND	mg/L	3E-05						
Thorium 232	0.0001	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C100330				04/28/08 11:55
Arsenic	0.0529	mg/L	0.0010	106	85	115			
Cadmium	0.0525	mg/L	0.0010	105	85	115			
Lead	0.0528	mg/L	0.0010	106	85	115			
Mercury	0.00553	mg/L	0.0010	111	85	115			
Nickel	0.0533	mg/L	0.0010	107	85	115			
Silver	0.0206	mg/L	0.0010	103	85	115			
Thorium 232	0.0525	mg/L	0.0010	105	85	115			
Uranium	0.0525	mg/L	0.00030	105	85	115			
Sample ID: R08040028-003C	Post Digestion Spike				Run: SUB-C100330				04/28/08 20:57
Arsenic	0.0519	mg/L	0.0010	102	70	130			
Cadmium	0.0491	mg/L	0.010	98	70	130			
Lead	0.0515	mg/L	0.050	103	70	130			
Mercury	0.00545	mg/L	0.0010	109	70	130			
Nickel	0.0490	mg/L	0.050	98	70	130			
Silver	0.0134	mg/L	0.010	67	70	130			S
Thorium 232	0.0529	mg/L	0.0010	106	70	130			
Uranium	0.0533	mg/L	0.00030	106	70	130			
Sample ID: R08040028-003C	Post Digestion Spike Duplicate				Run: SUB-C100330				04/28/08 21:24
Arsenic	0.0522	mg/L	0.0010	103	70	130	0.6	20	
Cadmium	0.0491	mg/L	0.010	98	70	130	0.0	20	
Lead	0.0511	mg/L	0.050	102	70	130	0.7	20	
Mercury	0.00549	mg/L	0.0010	110	70	130	0.7	20	
Nickel	0.0486	mg/L	0.050	97	70	130	0.0	20	
Silver	0.0120	mg/L	0.010	60	70	130	11	20	S
Thorium 232	0.0534	mg/L	0.0010	107	70	130	0.9	20	
Uranium	0.0536	mg/L	0.00030	107	70	130	0.5	20	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08040028

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E245.1									Batch: C_B_31868
Sample ID: MB-31868	Method Blank				Run: SUB-C99522				04/11/08 12:57
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-31868	Laboratory Fortified Blank				Run: SUB-C99522				04/11/08 14:33
Mercury	0.0021	mg/L	0.0010	106	85	115			
Sample ID: B08041116-007DMS	Sample Matrix Spike				Run: SUB-C99522				04/11/08 13:42
Mercury	0.0036	mg/L	0.0010	90	70	130			
Sample ID: B08041116-007DMSD	Sample Matrix Spike Duplicate				Run: SUB-C99522				04/11/08 13:45
Mercury	0.0036	mg/L	0.0010	89	70	130	1.1	30	
Method: E300.0									Batch: R34041
Sample ID: LFB0804024817-3	Laboratory Fortified Blank				Run: DIONEX_080402A				04/02/08 17:09
Chloride	4.58	mg/L	0.50	92	90	110			
Fluoride	1.95	mg/L	0.10	98	90	110			
Nitrogen, Nitrate as N	2.46	mg/L	0.10	98	90	110			
Nitrogen, Nitrite as N	2.35	mg/L	0.10	94	90	110			
Sulfate	13.7	mg/L	1.0	91	90	110			
Sample ID: LFB0804024817-4	Laboratory Fortified Blank				Run: DIONEX_080402A				04/02/08 17:24
Chloride	4.72	mg/L	0.50	94	90	110			
Fluoride	2.04	mg/L	0.10	102	90	110			
Nitrogen, Nitrate as N	2.28	mg/L	0.10	91	90	110			
Nitrogen, Nitrite as N	2.43	mg/L	0.10	97	90	110			
Sulfate	14.0	mg/L	1.0	93	90	110			
Sample ID: R08040028-002AMS	Sample Matrix Spike				Run: DIONEX_080402A				04/02/08 21:16
Chloride	247	mg/L	5.4	90	80	120			
Fluoride	105	mg/L	0.56	105	80	120			
Nitrogen, Nitrate as N	115	mg/L	1.3	92	80	120			
Nitrogen, Nitrite as N	124	mg/L	2.9	99	80	120			
Sulfate	991	mg/L	3.4	83	80	120			
Sample ID: R08040028-002AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080402A				04/02/08 21:31
Chloride	237	mg/L	5.4	86	80	120	3.9	10	
Fluoride	101	mg/L	0.56	101	80	120	3.6	10	
Nitrogen, Nitrate as N	111	mg/L	1.3	89	80	120	3.7	10	
Nitrogen, Nitrite as N	119	mg/L	2.9	95	80	120	3.9	10	
Sulfate	975	mg/L	3.4	81	80	120	1.6	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08040028

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0									Batch: C_GrAB-0425
Sample ID: MB-GrAB-0425	Method Blank				Run: SUB-C99839				04/16/08 03:08
Gross Alpha	-0.4	pCi/L							U
Gross Beta	-3	pCi/L							U
Sample ID: UNAT-GrAB-0425	Laboratory Control Sample				Run: SUB-C99839				04/16/08 03:08
Gross Alpha	250	pCi/L		103	70	130			
Sample ID: Cs137-GrAB-0425	Laboratory Control Sample				Run: SUB-C99839				04/16/08 03:08
Gross Beta	100	pCi/L		109	70	130			
Sample ID: C08040142-001CMS	Sample Matrix Spike				Run: SUB-C99839				04/16/08 03:08
Gross Alpha	280	pCi/L		113	70	130			
Sample ID: C08040142-001CMSD	Sample Matrix Spike Duplicate				Run: SUB-C99839				04/16/08 03:08
Gross Alpha	210	pCi/L		87	70	130	26	14.9	R
- The RPD for the MSD is high. The individual spike recoveries are within range, the MB is acceptable, and the LCS is within range, therefore the batch is approved.									
Sample ID: C08040142-001CMS	Sample Matrix Spike				Run: SUB-C99839				04/16/08 03:08
Gross Beta	100	pCi/L		109	70	130			
Sample ID: C08040142-001CMSD	Sample Matrix Spike Duplicate				Run: SUB-C99839				04/16/08 03:08
Gross Beta	100	pCi/L		110	70	130	1.2	15.9	
Method: E901.1									Batch: C_R99476
Sample ID: LCS-R99476	Laboratory Control Sample				Run: SUB-C99476				04/04/08 16:45
Americium 241	740	pCi/L	20	91	70	130			
Cesium 137	1200	pCi/L	20	83	70	130			
Sample ID: MB-R99476	Method Blank				Run: SUB-C99476				04/04/08 16:45
Gross Gamma	ND	pCi/L							U
Sample ID: C08040148-004HDUP	Sample Duplicate				Run: SUB-C99476				04/04/08 16:45
Gross Gamma	580	pCi/L	20				3.1	30	

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
R - RPD exceeds advisory limit.
U - Not detected at minimum detectable concentration

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08040028

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: C_18234
Sample ID: C08040215-001AMS	Sample Matrix Spike				Run: SUB-C100044				04/21/08 14:47
Radium 226	120	pCi/Filter		94	70	130			
Sample ID: C08040215-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C100044				04/21/08 14:47
Radium 226	113	pCi/Filter		88	70	130	5.9	21.7	
Sample ID: LCS-18234	Laboratory Control Sample				Run: SUB-C100044				04/21/08 16:36
Radium 226	11	pCi/L		76	70	130			
Sample ID: MB-18234	Method Blank				Run: SUB-C100044				04/21/08 16:36
Radium 226	2	pCi/L							
Method: E903.0									Batch: C_RA226-2728
Sample ID: C08040239-004BMS	Sample Matrix Spike				Run: SUB-C100086				04/23/08 04:05
Radium 226	6.1	pCi/L		89	70	130			
Sample ID: C08040239-004BMSD	Sample Matrix Spike Duplicate				Run: SUB-C100086				04/23/08 04:05
Radium 226	5.9	pCi/L		86	70	130	3.0	22.3	
Sample ID: MB-RA226-2728	Method Blank				Run: SUB-C100086				04/23/08 04:06
Radium 226	0.3	pCi/L							
Sample ID: LCS-RA226-2728	Laboratory Control Sample				Run: SUB-C100086				04/23/08 14:56
Radium 226	6.0	pCi/L		90	70	130			
Method: E907.0									Batch: C_18234
Sample ID: R08040058-001I	Sample Matrix Spike				Run: SUB-C99603				04/09/08 16:00
Thorium 230	10.3	pCi/L	0.20	83	70	130			
Sample ID: R08040058-001I	Sample Matrix Spike Duplicate				Run: SUB-C99603				04/09/08 16:00
Thorium 230	11.3	pCi/L	0.20	90	70	130	8.9	30	
Sample ID: LCS-R99603	Laboratory Control Sample				Run: SUB-C99603				04/09/08 16:00
Thorium 230	50.8	pCi/L	0.20	103	70	130			
Sample ID: MB-R99603	Method Blank				Run: SUB-C99603				04/09/08 16:00
Thorium 230	1	pCi/L							

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08040028

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: C_R99824
Sample ID: LCS-R99824	Laboratory Control Sample				Run: SUB-C99824				04/11/08 15:30
Thorium 230	6.50	pCi/L	0.20	93	70	130			
Sample ID: C08040254-001BMS	Sample Matrix Spike				Run: SUB-C99824				04/11/08 15:30
Thorium 230	14.1	pCi/L	0.20	88	70	130			
Sample ID: C08040254-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-C99824				04/11/08 15:30
Thorium 230	18.8	pCi/L	0.20	115	70	130	29	30	
Sample ID: MB-R99824	Method Blank				Run: SUB-C99824				04/11/08 15:30
Thorium 230	0.02	pCi/L							U
Method: E909.0M									Batch: C_18234
Sample ID: R08040028-002I	Sample Matrix Spike				Run: SUB-C100050				04/10/08 11:00
Lead 210	1200	pCi/L	1.0	104	70	130			
Sample ID: R08040028-002I	Sample Matrix Spike Duplicate				Run: SUB-C100050				04/10/08 11:00
Lead 210	980	pCi/L	1.0	82	70	130	23	30	
Sample ID: MB-R100050	Method Blank				Run: SUB-C100050				04/10/08 11:00
Lead 210		pCi/L							U
Sample ID: LCS-R100050	Laboratory Control Sample				Run: SUB-C100050				04/10/08 11:00
Lead 210	110	pCi/L	1.0	90	70	130			
Method: E909.0M									Batch: C_R100194
Sample ID: R08040058-001H	Sample Matrix Spike				Run: SUB-C100194				04/11/08 09:45
Lead 210	600	pCi/L	1.0	101	70	130			
Sample ID: R08040058-001H	Sample Matrix Spike Duplicate				Run: SUB-C100194				04/11/08 09:45
Lead 210	590	pCi/L	1.0	100	70	130	1.2	30	
Sample ID: MB-R100194	Method Blank				Run: SUB-C100194				04/11/08 09:45
Lead 210		pCi/L							U
Sample ID: LCS-R100194	Laboratory Control Sample				Run: SUB-C100194				04/11/08 09:45
Lead 210	120	pCi/L	1.0	104	70	130			

Qualifiers:

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08040028

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0M									Batch: C_R100292
Sample ID: C08040264-009AMS	Sample Matrix Spike				Run: SUB-C100292				04/15/08 11:15
Lead 210	490	pCi/L	1.0	83	70	130			
Sample ID: C08040264-009AMSD	Sample Matrix Spike Duplicate				Run: SUB-C100292				04/15/08 11:15
Lead 210	500	pCi/L	1.0	85	70	130	2.5	30	
Sample ID: MB-R100292	Method Blank				Run: SUB-C100292				04/15/08 11:15
Lead 210		pCi/L							U
Sample ID: LCS-R100292	Laboratory Control Sample				Run: SUB-C100292				04/15/08 11:15
Lead 210	110	pCi/L	1.0	91	70	130			
Method: RMO-3008									Batch: C_18234
Sample ID: C08040246-003FMS	Sample Matrix Spike				Run: SUB-C100641				04/29/08 15:30
Polonium 210	88	pCi/L	1.0	99	70	130			
Sample ID: C08040246-003FMSD	Sample Matrix Spike Duplicate				Run: SUB-C100641				04/29/08 15:30
Polonium 210	87	pCi/L	1.0	98	70	130	1.6	30	
Sample ID: LCS-18234	Laboratory Control Sample				Run: SUB-C100641				04/29/08 15:30
Polonium 210	180	pCi/L	1.0	101	70	130			
Sample ID: MB-18234	Method Blank				Run: SUB-C100641				04/29/08 15:30
Polonium 210	2	pCi/L							
Method: RMO-3008									Batch: C_R99727
Sample ID: C08040196-002HMS	Sample Matrix Spike				Run: SUB-C99727				04/08/08 12:00
Polonium 210	210	pCi/L	1.0	118	70	130			
Sample ID: C08040196-002HMSD	Sample Matrix Spike Duplicate				Run: SUB-C99727				04/08/08 12:00
Polonium 210	170	pCi/L	1.0	99	70	130	17	30	
Sample ID: LCS-R99727	Laboratory Control Sample				Run: SUB-C99727				04/08/08 12:00
Polonium 210	77	pCi/L	1.0	86	70	130			
Sample ID: MB-R99727	Method Blank				Run: SUB-C99727				04/08/08 12:00
Polonium 210	1	pCi/L							

Qualifiers:

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Chain of Custody and Analytical Request Record

Page ____ of ____

PLEASE PRINT- Provide as much information as possible.

Company Name:	Project Name, PWS, Permit, Etc.	Sample Origin	EPA/State Compliance:
LESPEC	Powertech Dewey Burdock	State: SD	Yes ☐ No ☐
Report Mail Address:	**Contact Name:** Phone/Fax:	**Email:**	**Sampler: (Please Print)**
LESPEC	Corey.foreman@respec.com		Eric Lenvik
Invoice Address:	**Invoice Contact & Phone:**	**Purchase Order:**	**Quote/Bottle Order:**
LESPEC	corey.foreman@respec.com		

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

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

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

ANALYSIS REQUESTED

SEE ATTACHED

Normal Turnaround (TAT)

RUSH

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

Comments: All GW

Shipped by:

Cooler ID(s):

Receipt Temp 3.4 °C

On Ice: (Yes) No

Custody Seal Y N
Intact Y N
Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX		LABORATORY USE ONLY
1	~~DewBurd GW15~~					
2	DewBurd GW615	04/01/08	14:34	W	Set 11 "NO2"	0804002801
3	DewBurd GW615	04/01/08	14:42	W	Set 12 "NO2"	002
4	DewBurd GW~~617~~ 622 ETC	04/01/08	14:56	W	Set 15	003
5	~~DewBurd GW688~~	~~04/01/08~~		~~W~~	~~Set 16~~	
6	DewBurd BLK01	04/01/08	16:35	W	Set 13	004
7						
8						
9						
10						

Custody Record MUST be Signed

	Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
1	Eric Lenvik	04/02/08 08:15				
2						
3				Received by Laboratory: Linda Carson	4/2/08 815	

Sample Disposal: Return to Client: _____ Lab Disposal: _____

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.

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ANALYTICAL SUMMARY REPORT

June 24, 2008

Cory Foreman
RESPEC Inc
3824 Jet Dr
Rapid City, SD 57701-

Workorder No.: R08040058 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 1 sample from RESPEC Inc on 4/3/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08040058-001	DewBurd GW688	04/02/08 18:07	04/03/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Mercury, Total Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved

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: Linda Larson

Linda Larson
Rapid City - Project Manager

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040058-001
Client Sample ID: DewBurd GW688

Report Date: 06/24/08
Collection Date: 04/02/08 18:07
Date Received: 04/03/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	98	mg/L		5		1	A2320 B	04/07/08 11:29/mb
Carbonate as CO3	53	mg/L		5		1	A2320 B	04/07/08 11:29/mb
Bicarbonate as HCO3	12	mg/L		5		1	A2320 B	04/07/08 11:29/mb
Calcium	25.8	mg/L		0.5		2	E200.7	04/16/08 14:55/eli-c
Chloride	13	mg/L		1		1	E300.0	04/04/08 19:39/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	04/04/08 19:39/jmh
Magnesium	13.6	mg/L		0.5		2	E200.7	04/16/08 14:55/eli-c
Nitrogen, Ammonia as N	0.5	mg/L		0.1		1	A4500-NH3 G	04/04/08 10:57/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	04/04/08 19:39/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	04/04/08 19:39/jmh
Potassium	16.8	mg/L		0.5		2	E200.7	04/16/08 14:55/eli-c
Silica	7.9	mg/L		0.5		2	E200.7	04/16/08 14:55/eli-c
Sodium	193	mg/L		0.5		2	E200.7	04/16/08 14:55/eli-c
Sulfate	428	mg/L	D	3		50	E300.0	04/04/08 18:53/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1180	umhos/cm		5.0		1	A2510 B	04/05/08 14:45/jmh
Oxidation-Reduction Potential	110	mV				1	A2580 B	04/04/08 00:00/jmh
pH	10.3	s.u.		0.01		1	A4500-H B	04/05/08 14:30/jmh
Sodium Adsorption Ratio (SAR)	7.6	unitless		0.10		1	Calculation	06/17/08 11:18/ADM
Solids, Total Dissolved TDS @ 180 C	690	mg/L		5		1	A2540 C	04/07/08 08:46/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	04/16/08 14:55/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	04/25/08 20:21/eli-c
Barium	ND	mg/L		0.1		2	E200.7	04/16/08 14:55/eli-c
Boron	ND	mg/L		0.1		2	E200.7	04/16/08 14:55/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/25/08 20:21/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	04/16/08 14:55/eli-c
Copper	ND	mg/L		0.01		2	E200.7	04/16/08 14:55/eli-c
Iron	ND	mg/L		0.03		2	E200.7	04/16/08 14:55/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/25/08 20:21/eli-c
Manganese	ND	mg/L		0.01		2	E200.7	04/16/08 14:55/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	04/25/08 20:21/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	04/16/08 14:55/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/25/08 20:21/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/07/08 13:01/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/06/08 12:53/eli-c

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.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040058-001
Client Sample ID: DewBurd GW688

Report Date: 06/24/08
Collection Date: 04/02/08 18:07
Date Received: 04/03/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	04/25/08 20:21/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	04/25/08 20:21/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	04/16/08 14:55/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	04/16/08 14:55/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L	D	0.0008		1	E200.8	04/17/08 14:14/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/07/08 10:31/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/07/08 15:12/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	2.9	pCi/L				1	E900.0	04/25/08 22:38/eli-c
Gross Alpha precision (±)	1.9	pCi/L				1	E900.0	04/25/08 22:38/eli-c
Gross Alpha MDC	2.8	pCi/L				1	E900.0	04/25/08 22:38/eli-c
Gross Beta	8.8	pCi/L				1	E900.0	04/25/08 22:38/eli-c
Gross Beta precision (±)	2.0	pCi/L				1	E900.0	04/25/08 22:38/eli-c
Gross Beta MDC	3.1	pCi/L				1	E900.0	04/25/08 22:38/eli-c
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	04/11/08 09:45/eli-c
Lead 210 precision (±)	0.6	pCi/L				1	E909.0M	04/11/08 09:45/eli-c
Polonium 210	1.0	pCi/L		1.0		1	RMO-3008	04/08/08 13:00/eli-c
Polonium 210 precision (±)	0.8	pCi/L				1	RMO-3008	04/08/08 13:00/eli-c
Radium 226	0.3	pCi/L				1	E903.0	04/29/08 15:46/eli-c
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	04/29/08 15:46/eli-c
Radium 226 MDC	0.2	pCi/L				1	E903.0	04/29/08 15:46/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	04/14/08 15:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/14/08 15:00/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	04/10/08 15:29/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	04/10/08 15:29/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-0.4	pCi/L	U	1.0		1	E909.0M	04/10/08 11:00/eli-c
Lead 210 precision (±)	0.5	pCi/L				1	E909.0M	04/10/08 11:00/eli-c
Polonium 210	1.0	pCi/L		1.0		1	RMO-3008	04/29/08 15:30/eli-c
Polonium 210 precision (±)	0.64	pCi/L				1	RMO-3008	04/29/08 15:30/eli-c
Radium 226	0.9	pCi/L				1	E903.0	04/21/08 16:36/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	04/21/08 16:36/eli-c

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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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040058-001
Client Sample ID: DewBurd GW688

Report Date: 06/24/08
Collection Date: 04/02/08 18:07
Date Received: 04/03/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 MDC	0.1	pCi/L				1	E903.0	04/21/08 16:36/eli-c
Thorium 230	0.7	pCi/L		0.2		1	E907.0	04/09/08 16:00/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	04/09/08 16:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	608	pCi/L	H	100		1	D5072-92	04/07/08 14:17/eli-c
Radon 222 precision (±)	89.1	pCi/L	H			1	D5072-92	04/07/08 14:17/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	04/11/08 00:59/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	04/11/08 00:59/eli-c
Barium	ND	mg/L		0.1		1	E200.8	04/11/08 00:59/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	04/11/08 19:02/eli-c
Boron	ND	mg/L		0.1		2	E200.7	04/15/08 13:59/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	04/11/08 00:59/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	04/11/08 00:59/eli-c
Copper	ND	mg/L		0.01		1	E200.8	04/11/08 19:02/eli-c
Iron	0.07	mg/L		0.03		2	E200.7	04/15/08 13:59/eli-c
Lead	ND	mg/L		0.001		1	E200.8	04/11/08 00:59/eli-c
Manganese	0.03	mg/L		0.01		1	E200.8	04/11/08 19:02/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	04/11/08 00:59/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	04/16/08 15:46/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	04/11/08 00:59/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	04/11/08 19:02/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	04/11/08 00:59/eli-c
Silver	ND	mg/L		0.005		1	E200.8	04/11/08 00:59/eli-c
Strontium	1.2	mg/L		0.1		1	E200.8	04/11/08 00:59/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	04/11/08 00:59/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	04/11/08 00:59/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	04/11/08 19:02/eli-c
DATA QUALITY								
A/C Balance (± 5)	-0.0600					1	A1030 E	06/17/08 00:00/ADM
Anions	11.3	meq/L				1	A1030 E	06/17/08 00:00/ADM
Cations	11.3	meq/L				1	A1030 E	06/17/08 00:00/ADM
Solids, Total Dissolved Calculated	771	mg/L				1	A1030 E	06/17/08 00:00/ADM
TDS Balance (0.80 - 1.20)	0.890					1	A1030 E	06/17/08 00:00/ADM

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.
H - Analysis performed past recommended holding time.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040058

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 080407A-ALK-SEL-W	
Sample ID: LCS1_080407A	Laboratory Control Sample				Run: PH_COND1-R_080407B			04/07/08 10:43	
Alkalinity, Total as CaCO3	972	mg/L	5.0	97	90	110			
Sample ID: MBLK1_080407A	Method Blank				Run: PH_COND1-R_080407B			04/07/08 10:46	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Sample ID: R08040028-001AMS	Sample Matrix Spike				Run: PH_COND1-R_080407B			04/07/08 11:05	
Alkalinity, Total as CaCO3	236	mg/L	5.0	94	80	120			
Sample ID: R08040028-001AMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_080407B			04/07/08 11:11	
Alkalinity, Total as CaCO3	240	mg/L	5.0	98	80	120	1.7	10	
Method: A2510 B								Batch: 080405_1_COND-PROBE-W	
Sample ID: LCS1-1_080405	Laboratory Control Sample				Run: PH_COND2-R_080405A			04/05/08 14:35	
Conductivity @ 25 C	145	umhos/cm	5.0	97	90	110			
Sample ID: LCS2-1_080405	Laboratory Control Sample				Run: PH_COND2-R_080405A			04/05/08 14:36	
Conductivity @ 25 C	4950	umhos/cm	5.0	99	90	110			
Sample ID: LCS_COND-1_080405	Laboratory Control Sample				Run: PH_COND2-R_080405A			04/05/08 14:36	
Conductivity @ 25 C	1400	umhos/cm	5.0	99	90	110			
Sample ID: MBLK-1_080405	Method Blank				Run: PH_COND2-R_080405A			04/05/08 14:37	
Conductivity @ 25 C	ND	umhos/cm	5						
Method: A2540 C								Batch: 080407A-SLDS-TDS-W	
Sample ID: LCS1_080407A	Laboratory Control Sample				Run: BAL-4-R_080407A			04/07/08 08:38	
Solids, Total Dissolved TDS @ 180 C	2000	mg/L	5.0	102	90	110			
Sample ID: MBLK1_080407A	Method Blank				Run: BAL-4-R_080407A			04/07/08 08:39	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: R08040069-001AMS	Sample Matrix Spike				Run: BAL-4-R_080407A			04/07/08 08:48	
Solids, Total Dissolved TDS @ 180 C	3400	mg/L	5.0	107	80	120			
Sample ID: R08040069-001AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080407A			04/07/08 08:48	
Solids, Total Dissolved TDS @ 180 C	3400	mg/L	5.0	107	80	120	0.3	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040058

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B								Batch: C_SE-3114-080407A	
Sample ID: MBLK	Method Blank				Run: SUB-C99208			04/07/08 12:04	
Selenium	ND	mg/L	6E-05						
Sample ID: 288-54-6	Laboratory Control Sample				Run: SUB-C99208			04/07/08 12:06	
Selenium	0.050	mg/L	0.0010	100	90	110			
Sample ID: C08040192-002EMS	Sample Matrix Spike				Run: SUB-C99208			04/07/08 12:41	
Selenium	0.050	mg/L	0.0010	99	85	115			
Sample ID: C08040192-002EMSD	Sample Matrix Spike Duplicate				Run: SUB-C99208			04/07/08 12:43	
Selenium	0.051	mg/L	0.0010	101	85	115	2.0	10	
Method: A3114 B								Batch: C_SEIV-3114-080407	
Sample ID: MBLK	Method Blank				Run: SUB-C99195			04/07/08 09:27	
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-54-6	Laboratory Control Sample				Run: SUB-C99195			04/07/08 09:29	
Selenium-IV	0.045	mg/L	0.0010	91	90	110			
Sample ID: C08040192-002EMS	Sample Matrix Spike				Run: SUB-C99195			04/07/08 10:10	
Selenium-IV	0.043	mg/L	0.0010	86	85	115			
Sample ID: C08040192-002EMSD	Sample Matrix Spike Duplicate				Run: SUB-C99195			04/07/08 10:12	
Selenium-IV	0.045	mg/L	0.0010	90	85	115	4.7	10	
Method: A4500-H B								Batch: 080405_1_PH-W	
Sample ID: LCS_pH-1_080405	Laboratory Control Sample				Run: PH_COND2-R_080405A			04/05/08 14:19	
pH	6.94	s.u.	0.010	101	98.55	101.45			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040058

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G								Batch: A2008-04-04_2_NH3_01	
Sample ID: MBLK-2	Method Blank				Run: TECHAA2-R_080404A			04/04/08 09:05	
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_080404A			04/04/08 09:06	
Nitrogen, Ammonia as N	0.24	mg/L	0.10	98	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_080404A			04/04/08 09:08	
Nitrogen, Ammonia as N	0.24	mg/L	0.10	98	90	110			
Sample ID: R08040003-001CMS	Sample Matrix Spike				Run: TECHAA2-R_080404A			04/04/08 10:49	
Nitrogen, Ammonia as N	0.19	mg/L	0.10	76	80	120			S
Sample ID: R08040003-001CMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080404A			04/04/08 10:50	
Nitrogen, Ammonia as N	0.19	mg/L	0.10	74	80	120	3.2	10	S
Method: D5072-92								Batch: C_R99299	
Sample ID: R08040058-001G	Sample Duplicate				Run: SUB-C99299			04/07/08 14:17	
Radon 222	636	pCi/L	100				4.6	30	
Sample ID: MB-R99299	Method Blank				Run: SUB-C99299			04/07/08 14:17	
Radon 222	-9	pCi/L							U
Sample ID: LCS-R99299	Laboratory Control Sample				Run: SUB-C99299			04/07/08 14:17	
Radon 222	303	pCi/L	100	103	70	130			
Method: E200.7								Batch: C_18255	
Sample ID: MB-18255	Method Blank				Run: SUB-C99715			04/15/08 13:42	
Boron	ND	mg/L	0.006						
Iron	ND	mg/L	0.005						
Sample ID: LCS-18255	Laboratory Control Sample				Run: SUB-C99715			04/15/08 13:45	
Boron	0.482	mg/L	0.10	96	85	115			
Iron	0.473	mg/L	0.030	95	85	115			
Sample ID: C08040370-001A MS	Sample Matrix Spike				Run: SUB-C99715			04/15/08 14:09	
Boron	0.486	mg/L	0.10	93	70	130			
Iron	0.519	mg/L	0.030	91	70	130			
Sample ID: C08040370-001A MSD	Sample Matrix Spike Duplicate				Run: SUB-C99715			04/15/08 14:12	
Boron	0.495	mg/L	0.10	95	70	130	1.9	20	
Iron	0.529	mg/L	0.030	93	70	130	1.9	20	

Qualifiers:

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

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040058

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R99737
Sample ID: MB-080416A	Method Blank				Run: SUB-C99737				04/16/08 11:30
Silica	ND	mg/L	0.06						
Aluminum	ND	mg/L	0.008						
Barium	ND	mg/L	0.006						
Boron	ND	mg/L	0.004						
Calcium	ND	mg/L	0.04						
Chromium	ND	mg/L	0.003						
Copper	ND	mg/L	0.005						
Iron	0.006	mg/L	0.002						
Magnesium	ND	mg/L	0.04						
Manganese	ND	mg/L	0.0004						
Molybdenum	ND	mg/L	0.01						
Potassium	ND	mg/L	0.08						
Sodium	ND	mg/L	0.06						
Vanadium	ND	mg/L	0.006						
Zinc	ND	mg/L	0.004						
Sample ID: LFB-080416A	Laboratory Fortified Blank				Run: SUB-C99737				04/16/08 11:33
Silica	0.95	mg/L	0.10	95	85	125			
Aluminum	0.89	mg/L	0.10	89	85	125			
Barium	0.88	mg/L	0.10	88	85	125			
Boron	0.92	mg/L	0.10	92	85	125			
Calcium	46	mg/L	0.50	92	85	125			
Chromium	0.90	mg/L	0.050	90	85	125			
Copper	0.87	mg/L	0.010	87	85	125			
Iron	0.89	mg/L	0.030	88	85	125			
Magnesium	47	mg/L	0.50	93	85	125			
Manganese	0.88	mg/L	0.010	88	85	125			
Molybdenum	0.94	mg/L	0.10	94	85	125			
Potassium	43	mg/L	0.50	86	85	125			
Sodium	45	mg/L	0.50	90	85	125			
Vanadium	0.94	mg/L	0.10	94	85	125			
Zinc	0.91	mg/L	0.010	91	85	125			
Sample ID: R08040058-001C	Sample Matrix Spike				Run: SUB-C99737				04/16/08 14:59
Aluminum	1.74	mg/L	0.10	85	70	130			
Barium	1.78	mg/L	0.10	85	70	130			
Boron	1.86	mg/L	0.10	89	70	130			
Chromium	1.77	mg/L	0.050	87	70	130			
Copper	1.72	mg/L	0.011	85	70	130			
Iron	1.80	mg/L	0.030	88	70	130			
Manganese	1.76	mg/L	0.010	86	70	130			

Qualifiers:

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ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040058

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R99737
Sample ID: R08040058-001C	Sample Matrix Spike				Run: SUB-C99737				04/16/08 14:59
Molybdenum	1.90	mg/L	0.10	91	70	130			
Vanadium	1.88	mg/L	0.10	92	70	130			
Zinc	1.89	mg/L	0.010	93	70	130			
Calcium	118	mg/L	1.0	90	70	130			
Magnesium	107	mg/L	1.0	91	70	130			
Potassium	103	mg/L	1.0	84	70	130			
Silica	9.71	mg/L	0.12	90	70	130			
Sodium	272	mg/L	1.0	78	70	130			
Sample ID: R08040058-001C	Sample Matrix Spike Duplicate				Run: SUB-C99737				04/16/08 15:02
Aluminum	1.73	mg/L	0.10	85	70	130	0.6	20	
Barium	1.79	mg/L	0.10	86	70	130	0.2	20	
Boron	1.84	mg/L	0.10	88	70	130	0.9	20	
Chromium	1.76	mg/L	0.050	86	70	130	0.6	20	
Copper	1.71	mg/L	0.011	84	70	130	0.8	20	
Iron	1.79	mg/L	0.030	87	70	130	0.3	20	
Manganese	1.75	mg/L	0.010	86	70	130	0.7	20	
Molybdenum	1.84	mg/L	0.10	88	70	130	3.2	20	
Vanadium	1.86	mg/L	0.10	91	70	130	1.3	20	
Zinc	1.87	mg/L	0.010	92	70	130	1.0	20	
Calcium	118	mg/L	1.0	90	70	130	0.5	20	
Magnesium	106	mg/L	1.0	91	70	130	0.4	20	
Potassium	103	mg/L	1.0	84	70	130	0.2	20	
Silica	9.45	mg/L	0.12	77	70	130	2.7	20	
Sodium	269	mg/L	1.0	75	70	130	1.0	20	
Method: E200.8									Batch: C_18234
Sample ID: MB-18234	Method Blank				Run: SUB-C99827				04/17/08 13:25
Uranium	0.0008	mg/L	2E-05						
Sample ID: LCS1-18234	Laboratory Control Sample				Run: SUB-C99827				04/17/08 13:29
Uranium	0.0512	mg/L	0.00030	97	80	120			
Sample ID: R08040058-001I	Post Digestion Spike				Run: SUB-C99827				04/17/08 14:18
Uranium	0.0126	mg/L	0.00030	95	70	130			
Sample ID: R08040058-001I	Post Digestion Spike Duplicate				Run: SUB-C99827				04/17/08 14:22
Uranium	0.0126	mg/L	0.00030	95	70	130	0.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040058

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18255
Sample ID: MB-18255	Method Blank				Run: SUB-C99461				04/11/08 00:45
Antimony	ND	mg/L	0.0002						
Arsenic	ND	mg/L	5E-05						
Barium	ND	mg/L	0.0003						
Cadmium	ND	mg/L	3E-05						
Chromium	0.001	mg/L	5E-05						
Lead	1E-05	mg/L							
Molybdenum	ND	mg/L	5E-05						
Selenium	0.0005	mg/L	0.0002						
Silver	ND	mg/L	4E-05						
Strontium	ND	mg/L	8E-05						
Thallium	5E-05	mg/L	3E-05						
Uranium	7E-05	mg/L	3E-05						
Sample ID: LCS1-18255	Laboratory Control Sample				Run: SUB-C99461				04/11/08 00:52
Antimony	0.0199	mg/L	0.050	99	80	120			
Arsenic	0.0221	mg/L	0.0010	111	80	120			
Barium	0.0194	mg/L	0.10	97	80	120			
Cadmium	0.0221	mg/L	0.010	110	80	120			
Chromium	0.0210	mg/L	0.050	99	80	120			
Lead	0.0197	mg/L	0.050	98	80	120			
Molybdenum	0.0218	mg/L	0.10	109	80	120			
Selenium	0.108	mg/L	0.0010	108	80	120			
Silver	0.0226	mg/L	0.010	113	80	120			
Strontium	0.0106	mg/L	0.10	106	80	120			
Thallium	0.0194	mg/L	0.10	97	80	120			
Uranium	0.0191	mg/L	0.00030	95	80	120			
Sample ID: C08040370-001AMS4	Post Digestion Spike				Run: SUB-C99461				04/11/08 02:00
Antimony	0.0211	mg/L	0.050	104	70	130			
Arsenic	0.0232	mg/L	0.0010	116	70	130			
Barium	0.0351	mg/L	0.10	104	70	130			
Cadmium	0.0214	mg/L	0.010	105	70	130			
Chromium	0.0204	mg/L	0.050	95	70	130			
Lead	0.0212	mg/L	0.050	106	70	130			
Molybdenum	0.0257	mg/L	0.10	115	70	130			
Selenium	0.111	mg/L	0.0010	109	70	130			
Silver	0.0215	mg/L	0.010	107	70	130			
Strontium	1.70	mg/L	0.10		70	130			A
Thallium	0.0213	mg/L	0.10	106	70	130			
Uranium	0.0227	mg/L	0.00030	107	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040058

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: C_18255	
Sample ID: C08040370-001AMSD4	Post Digestion Spike Duplicate				Run: SUB-C99461			04/11/08 02:07	
Antimony	0.0202	mg/L	0.050	100	70	130	0.0	20	
Arsenic	0.0230	mg/L	0.0010	115	70	130	0.9	20	
Barium	0.0344	mg/L	0.10	100	70	130	0.0	20	
Cadmium	0.0209	mg/L	0.010	103	70	130	2.5	20	
Chromium	0.0191	mg/L	0.050	89	70	130	0.0	20	
Lead	0.0203	mg/L	0.050	101	70	130	0.0	20	
Molybdenum	0.0250	mg/L	0.10	112	70	130	0.0	20	
Selenium	0.108	mg/L	0.0010	106	70	130	2.3	20	
Silver	0.0213	mg/L	0.010	107	70	130	0.8	20	
Strontium	1.65	mg/L	0.10		70	130	3.3	20	A
Thallium	0.0208	mg/L	0.10	103	70	130	0.0	20	
Uranium	0.0216	mg/L	0.00030	102	70	130	4.8	20	
Sample ID: MB-18255	Method Blank				Run: SUB-C99538			04/11/08 18:48	
Antimony	ND	mg/L	0.0002						
Arsenic	0.0004	mg/L	5E-05						
Barium	ND	mg/L	0.0003						
Beryllium	ND	mg/L	0.0001						
Cadmium	ND	mg/L	4E-05						
Chromium	0.0007	mg/L	5E-05						
Copper	0.0004	mg/L	0.0001						
Lead	ND	mg/L	5E-05						
Manganese	7E-05	mg/L	3E-05						
Molybdenum	ND	mg/L	5E-05						
Nickel	ND	mg/L	6E-05						
Strontium	ND	mg/L	8E-05						
Thallium	ND	mg/L	4E-05						
Uranium	7E-05	mg/L	3E-05						
Zinc	0.002	mg/L	0.0003						
Sample ID: LCS1-18255	Laboratory Control Sample				Run: SUB-C99538			04/11/08 18:55	
Antimony	0.0202	mg/L	0.050	101	80	120			
Arsenic	0.0205	mg/L	0.0010	103	80	120			
Barium	0.0206	mg/L	0.10	103	80	120			
Beryllium	0.0217	mg/L	0.010	108	80	120			
Cadmium	0.0206	mg/L	0.010	103	80	120			
Chromium	0.0213	mg/L	0.050	107	80	120			
Copper	0.0208	mg/L	0.010	104	80	120			
Lead	0.0199	mg/L	0.050	99	80	120			
Manganese	0.0205	mg/L	0.010	102	80	120			
Molybdenum	0.0205	mg/L	0.10	102	80	120			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040058

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18255
Sample ID: LCS1-18255	Laboratory Control Sample				Run: SUB-C99538				04/11/08 18:55
Nickel	0.0201	mg/L	0.050	101	80	120			
Strontium	0.0110	mg/L	0.10	110	80	120			
Thallium	0.0177	mg/L	0.10	88	80	120			
Uranium	0.0210	mg/L	0.00030	105	80	120			
Zinc	0.0239	mg/L	0.010	119	80	120			
Sample ID: C08040370-001AMS4	Post Digestion Spike				Run: SUB-C99538				04/11/08 19:35
Antimony	0.0222	mg/L	0.050	109	70	130			
Arsenic	0.0234	mg/L	0.0010	112	70	130			
Barium	0.0354	mg/L	0.10	101	70	130			
Beryllium	0.0178	mg/L	0.010	89	70	130			
Cadmium	0.0201	mg/L	0.010	99	70	130			
Chromium	0.0207	mg/L	0.050	99	70	130			
Copper	0.0255	mg/L	0.010	104	70	130			
Lead	0.0208	mg/L	0.050	104	70	130			
Manganese	0.729	mg/L	0.010		70	130			A
Molybdenum	0.0240	mg/L	0.10	107	70	130			
Nickel	0.0244	mg/L	0.050	118	70	130			
Strontium	1.64	mg/L	0.10		70	130			A
Thallium	0.0192	mg/L	0.10	95	70	130			
Uranium	0.0217	mg/L	0.00030	102	70	130			
Zinc	0.0553	mg/L	0.010	98	70	130			
Sample ID: C08040370-001AMSD4	Post Digestion Spike Duplicate				Run: SUB-C99538				04/11/08 19:42
Antimony	0.0216	mg/L	0.050	106	70	130	0.0	20	
Arsenic	0.0222	mg/L	0.0010	106	70	130	5.3	20	
Barium	0.0364	mg/L	0.10	106	70	130	0.0	20	
Beryllium	0.0183	mg/L	0.010	91	70	130	2.9	20	
Cadmium	0.0200	mg/L	0.010	98	70	130	0.5	20	
Chromium	0.0205	mg/L	0.050	98	70	130	0.0	20	
Copper	0.0254	mg/L	0.010	103	70	130	0.4	20	
Lead	0.0200	mg/L	0.050	100	70	130	0.0	20	
Manganese	0.748	mg/L	0.010		70	130	2.6	20	A
Molybdenum	0.0240	mg/L	0.10	107	70	130	0.0	20	
Nickel	0.0253	mg/L	0.050	123	70	130	0.0	20	
Strontium	1.70	mg/L	0.10		70	130	3.6	20	A
Thallium	0.0196	mg/L	0.10	97	70	130	0.0	20	
Uranium	0.0221	mg/L	0.00030	104	70	130	2.1	20	
Zinc	0.0548	mg/L	0.010	95	70	130	0.9	20	

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040058

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R100187
Sample ID: LRB	Method Blank				Run: SUB-C100187				04/25/08 11:29
Arsenic	ND	mg/L	6E-05						
Cadmium	ND	mg/L	1E-05						
Lead	ND	mg/L	3E-05						
Mercury	8E-05	mg/L	8E-05						
Nickel	ND	mg/L	0.0007						
Thorium 232	0.0002	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C100187				04/25/08 11:36
Arsenic	0.0540	mg/L	0.0010	108	85	115			
Cadmium	0.0551	mg/L	0.0010	110	85	115			
Lead	0.0546	mg/L	0.0010	109	85	115			
Mercury	0.00551	mg/L	0.0010	109	85	115			
Nickel	0.0537	mg/L	0.0010	107	85	115			
Thorium 232	0.0544	mg/L	0.0010	108	85	115			
Uranium	0.0550	mg/L	0.00030	110	85	115			
Sample ID: R08040058-001C	Post Digestion Spike				Run: SUB-C100187				04/25/08 20:28
Arsenic	0.0515	mg/L	0.0010	101	70	130			
Cadmium	0.0487	mg/L	0.010	97	70	130			
Lead	0.0518	mg/L	0.050	104	70	130			
Mercury	0.00527	mg/L	0.0010	105	70	130			
Nickel	0.0479	mg/L	0.050	96	70	130			
Thorium 232	0.0530	mg/L	0.0010	106	70	130			
Uranium	0.0527	mg/L	0.00030	105	70	130			
Sample ID: R08040058-001C	Post Digestion Spike Duplicate				Run: SUB-C100187				04/25/08 20:34
Arsenic	0.0517	mg/L	0.0010	101	70	130	0.3	20	
Cadmium	0.0496	mg/L	0.010	99	70	130	1.8	20	
Lead	0.0512	mg/L	0.050	102	70	130	1.1	20	
Mercury	0.00523	mg/L	0.0010	105	70	130	0.7	20	
Nickel	0.0479	mg/L	0.050	96	70	130	0.0	20	
Thorium 232	0.0524	mg/L	0.0010	105	70	130	1.1	20	
Uranium	0.0522	mg/L	0.00030	104	70	130	1.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040058

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: C_R100732	
Sample ID: LRB	Method Blank				Run: SUB-C100732			05/06/08 11:52	
Silver	5E-05	mg/L	3E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C100732			05/06/08 11:59	
Silver	0.0211	mg/L	0.0010	105	85	115			
Sample ID: C08040928-001CMS4	Post Digestion Spike				Run: SUB-C100732			05/06/08 15:02	
Silver	0.0129	mg/L	0.010	65	70	130			S
Sample ID: C08040928-001CMSD4	Post Digestion Spike Duplicate				Run: SUB-C100732			05/06/08 15:08	
Silver	0.0134	mg/L	0.010	67	70	130	3.4	20	S
Method: E245.1								Batch: C_B_31952	
Sample ID: MB-31952	Method Blank				Run: SUB-C99797			04/16/08 15:32	
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-31952	Laboratory Fortified Blank				Run: SUB-C99797			04/16/08 15:34	
Mercury	0.0020	mg/L	0.0010	101	85	115			
Sample ID: B08031990-003AMS	Sample Matrix Spike				Run: SUB-C99797			04/16/08 15:39	
Mercury	0.0019	mg/L	0.0010	96	70	130			
Sample ID: B08031990-003AMSD	Sample Matrix Spike Duplicate				Run: SUB-C99797			04/16/08 15:41	
Mercury	0.0019	mg/L	0.0010	93	70	130	3.2	30	

Qualifiers:

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ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040058

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R34057
Sample ID: LFB0804043239-3	Laboratory Fortified Blank				Run: DIONEX_080404A				04/04/08 18:07
Chloride	4.88	mg/L	0.50	98	90	110			
Fluoride	2.04	mg/L	0.10	102	90	110			
Nitrogen, Nitrate as N	2.30	mg/L	0.10	92	90	110			
Nitrogen, Nitrite as N	2.49	mg/L	0.10	100	90	110			
Sulfate	13.8	mg/L	1.0	92	90	110			
Sample ID: LFB0804043239-4	Laboratory Fortified Blank				Run: DIONEX_080404A				04/04/08 18:22
Chloride	4.74	mg/L	0.50	95	90	110			
Fluoride	2.03	mg/L	0.10	101	90	110			
Nitrogen, Nitrate as N	2.48	mg/L	0.10	99	90	110			
Nitrogen, Nitrite as N	2.42	mg/L	0.10	97	90	110			
Sulfate	13.9	mg/L	1.0	92	90	110			
Sample ID: R08040058-001AMS	Sample Matrix Spike				Run: DIONEX_080404A				04/04/08 19:09
Chloride	257	mg/L	5.4	91	80	120			
Fluoride	108	mg/L	0.56	108	80	120			
Nitrogen, Nitrate as N	116	mg/L	1.3	92	80	120			
Nitrogen, Nitrite as N	125	mg/L	2.9	100	80	120			
Sulfate	1030	mg/L	3.4	80	80	120			
Sample ID: R08040058-001AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080404A				04/04/08 19:24
Chloride	247	mg/L	5.4	86	80	120	4.2	10	
Fluoride	103	mg/L	0.56	103	80	120	4.7	10	
Nitrogen, Nitrate as N	110	mg/L	1.3	88	80	120	4.9	10	
Nitrogen, Nitrite as N	120	mg/L	2.9	96	80	120	4.5	10	
Sulfate	990	mg/L	3.4	75	80	120	3.8	10	S

Qualifiers:

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S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040058

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0									Batch: C_GrAB-0428
Sample ID: MB-GrAB-0428	Method Blank				Run: SUB-C100225				04/25/08 22:38
Gross Alpha	-0.06	pCi/L							U
Gross Beta	-0.9	pCi/L							U
Sample ID: UNAT-GrAB-0428	Laboratory Control Sample				Run: SUB-C100225				04/26/08 10:51
Gross Alpha	240	pCi/L		100	70	130			
Sample ID: Cs137-GrAB-0428	Laboratory Control Sample				Run: SUB-C100225				04/25/08 22:38
Gross Beta	87	pCi/L		94	70	130			
Sample ID: C08040375-001AMS	Sample Matrix Spike				Run: SUB-C100225				04/25/08 22:38
Gross Alpha	264	pCi/L		108	70	130			
Sample ID: C08040375-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C100225				04/25/08 22:38
Gross Alpha	259	pCi/L		106	70	130	1.9	14.1	
Sample ID: C08040375-001AMS	Sample Matrix Spike				Run: SUB-C100225				04/25/08 22:38
Gross Beta	94.5	pCi/L		103	70	130			
Sample ID: C08040375-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C100225				04/25/08 22:38
Gross Beta	95.3	pCi/L		104	70	130	0.8	15.5	
Sample ID: C08040265-002EDUP	Sample Duplicate				Run: SUB-C100225				04/26/08 10:51
Gross Alpha	40	pCi/L					2.3	37.6	
Gross Beta	17	pCi/L					37	54.9	
Method: E901.1									Batch: C_R99476
Sample ID: LCS-R99476	Laboratory Control Sample				Run: SUB-C99476				04/04/08 16:45
Americium 241	740	pCi/L	20	91	70	130			
Cesium 137	1200	pCi/L	20	83	70	130			
Sample ID: MB-R99476	Method Blank				Run: SUB-C99476				04/04/08 16:45
Gross Gamma	ND	pCi/L							U
Sample ID: R08040058-001H	Sample Duplicate				Run: SUB-C99476				04/10/08 18:11
Gross Gamma	ND	pCi/L	20				0.0	30	

Qualifiers:

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040058

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: C_18234
Sample ID: C08040215-001AMS	Sample Matrix Spike				Run: SUB-C100044				04/21/08 14:47
Radium 226	120	pCi/Filter		94	70	130			
Sample ID: C08040215-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C100044				04/21/08 14:47
Radium 226	113	pCi/Filter		88	70	130	5.9	21.7	
Sample ID: LCS-18234	Laboratory Control Sample				Run: SUB-C100044				04/21/08 16:36
Radium 226	11	pCi/L		76	70	130			
Sample ID: MB-18234	Method Blank				Run: SUB-C100044				04/21/08 16:36
Radium 226	2	pCi/L							
Method: E903.0									Batch: C_RA226-2735
Sample ID: C08040334-002AMS	Sample Matrix Spike				Run: SUB-C100382				04/29/08 15:46
Radium 226	11	pCi/L		89	70	130			
Sample ID: C08040334-002AMSD	Sample Matrix Spike Duplicate				Run: SUB-C100382				04/29/08 15:46
Radium 226	11	pCi/L		90	70	130	0.9	24.7	
Sample ID: MB-RA226-2735	Method Blank				Run: SUB-C100382				04/29/08 15:46
Radium 226	0.3	pCi/L							
Sample ID: LCS-RA226-2735	Laboratory Control Sample				Run: SUB-C100382				04/29/08 15:46
Radium 226	4.8	pCi/L		72	70	130			
Method: E907.0									Batch: C_18234
Sample ID: R08040058-001I	Sample Matrix Spike				Run: SUB-C99603				04/09/08 16:00
Thorium 230	10.3	pCi/L	0.20	83	70	130			
Sample ID: R08040058-001I	Sample Matrix Spike Duplicate				Run: SUB-C99603				04/09/08 16:00
Thorium 230	11.3	pCi/L	0.20	90	70	130	8.9	30	
Sample ID: LCS-R99603	Laboratory Control Sample				Run: SUB-C99603				04/09/08 16:00
Thorium 230	50.8	pCi/L	0.20	103	70	130			
Sample ID: MB-R99603	Method Blank				Run: SUB-C99603				04/09/08 16:00
Thorium 230	1	pCi/L							

Qualifiers:

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040058

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: C_R100081
Sample ID: LCS-R100081	Laboratory Control Sample				Run: SUB-C100081				04/14/08 15:00
Thorium 230	6.90	pCi/L	0.20	99	70	130			
Sample ID: R08040058-001H	Sample Matrix Spike				Run: SUB-C100081				04/14/08 15:00
Thorium 230	16.0	pCi/L	0.20	99	70	130			
Sample ID: R08040058-001H	Sample Matrix Spike Duplicate				Run: SUB-C100081				04/14/08 15:00
Thorium 230	14.7	pCi/L	0.20	90	70	130	8.5	30	
Sample ID: MB-R100081	Method Blank				Run: SUB-C100081				04/14/08 15:00
Thorium 230	1E-06	pCi/L							U
Method: E909.0M									Batch: C_18234
Sample ID: C08040192-002IMS	Sample Matrix Spike				Run: SUB-C100050				04/10/08 11:00
Lead 210	1200	pCi/L	1.0	104	70	130			
Sample ID: C08040192-002IMSD	Sample Matrix Spike Duplicate				Run: SUB-C100050				04/10/08 11:00
Lead 210	980	pCi/L	1.0	82	70	130	23	30	
Sample ID: MB-R100050	Method Blank				Run: SUB-C100050				04/10/08 11:00
Lead 210		pCi/L							U
Sample ID: LCS-R100050	Laboratory Control Sample				Run: SUB-C100050				04/10/08 11:00
Lead 210	110	pCi/L	1.0	90	70	130			
Method: E909.0M									Batch: C_R100194
Sample ID: C08040254-004BDUP	Sample Duplicate				Run: SUB-C100194				04/11/08 09:45
Lead 210	ND	pCi/L	1.0				0.0	30	
Sample ID: R08040058-001H	Sample Matrix Spike				Run: SUB-C100194				04/11/08 09:45
Lead 210	600	pCi/L	1.0	101	70	130			
Sample ID: R08040058-001H	Sample Matrix Spike Duplicate				Run: SUB-C100194				04/11/08 09:45
Lead 210	590	pCi/L	1.0	100	70	130	1.2	30	
Sample ID: MB-R100194	Method Blank				Run: SUB-C100194				04/11/08 09:45
Lead 210		pCi/L							U
Sample ID: LCS-R100194	Laboratory Control Sample				Run: SUB-C100194				04/11/08 09:45
Lead 210	120	pCi/L	1.0	104	70	130			

Qualifiers:

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040058

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RMO-3008									Batch: C_18234
Sample ID: C08040246-003FMS	Sample Matrix Spike				Run: SUB-C100641				04/29/08 15:30
Polonium 210	88	pCi/L	1.0	99	70	130			
Sample ID: C08040246-003FMSD	Sample Matrix Spike Duplicate				Run: SUB-C100641				04/29/08 15:30
Polonium 210	87	pCi/L	1.0	98	70	130	1.6	30	
Sample ID: LCS-18234	Laboratory Control Sample				Run: SUB-C100641				04/29/08 15:30
Polonium 210	180	pCi/L	1.0	101	70	130			
Sample ID: MB-18234	Method Blank				Run: SUB-C100641				04/29/08 15:30
Polonium 210	2	pCi/L							
Method: RMO-3008									Batch: C_R99716
Sample ID: R08040058-001H	Sample Matrix Spike				Run: SUB-C99716				04/08/08 13:00
Polonium 210	190	pCi/L	1.0	108	70	130			
Sample ID: R08040058-001H	Sample Matrix Spike Duplicate				Run: SUB-C99716				04/08/08 13:00
Polonium 210	180	pCi/L	1.0	101	70	130	6.2	30	
Sample ID: LCS-R99716	Laboratory Control Sample				Run: SUB-C99716				04/08/08 13:00
Polonium 210	91	pCi/L	1.0	104	70	130			
Sample ID: MB-R99716	Method Blank				Run: SUB-C99716				04/08/08 13:00
Polonium 210	0.8	pCi/L							U

Qualifiers:

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ENERGY LABORATORIES, INC. • 2821 Plant Street • Rapid City, SD 57702 • www.energylab.com
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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:
RESPEC	Power Tech Dewey Burdock	State: SD	Yes ☐ No ☐
Report Mail Address:	**Contact Name:** Phone/Fax:	**Email:**	**Sampler: (Please Print)**
RESPEC	cory-foremane respec.com		Eric Krantz
Invoice Address:	**Invoice Contact & Phone:**	**Purchase Order:**	**Quote/Bottle Order:**
RESPEC	11		

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 W S V B O
Air Water Soils/Solids Vegetation Bioassay Other

ANALYSIS REQUESTED

SEE ATTACHED

Normal Turnaround (TAT)

RUSH

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

Comments:

Shipped by:

Cooler ID(s):

Receipt Temp 3.2 °C

On Ice: (Yes) No

Custody Seal Intact Y N

Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX														
1	DewBurd GW688	4/2/08	18:07	W												Sat 8	B804100658-001	
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Eric Krantz	4/3/08 09:10		Steve Froiland	4-3-08 9:10	
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
			Received by Laboratory:	Date/Time:	Signature:

Sample Disposal: Return to Client: _____ Lab Disposal: _____

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. • 2821 Plant Street • Rapid City, SD 57702 • www.energylab.com
Toll Free 888.672.1225 • Voice 605.342.1225 • Fax 605.342.1397 • rapid_city@energylab.com

ANALYTICAL SUMMARY REPORT

June 24, 2008

Cory Foreman
RESPEC Inc
3824 Jet Dr
Rapid City, SD 57701-

Workorder No.: R08040250 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 7 samples from RESPEC Inc on 4/22/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08040250-001	DewBurd GW694	04/21/08 12:24	04/22/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Mercury, Total Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Nitrogen, Nitrite Nitrogen, Nitrate + Nitrite Nitrogen, Nitrate Only Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved
R08040250-002	DewBurd GW694	04/21/08 12:30	04/22/08	Aqueous	Same As Above
R08040250-003	DewBurd GW622	04/21/08 15:28	04/22/08	Aqueous	Same As Above
R08040250-004	DewBurd GW615	04/21/08 16:16	04/22/08	Aqueous	Same As Above
R08040250-005	DewBurd GW689	04/21/08 19:50	04/22/08	Aqueous	Same As Above
R08040250-006	DewBurd GW681	04/21/08 20:06	04/22/08	Aqueous	Same As Above
R08040250-007	DewBurd GW680	04/21/08 21:21	04/22/08	Aqueous	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: Linda Larson

Linda Larson

Rapid City - Project Manager

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Toll Free 888.672.1225 • Voice 605.342.1225 • Fax 605.342.1397 • rapid_city@energylab.com

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-001
Client Sample ID: DewBurd GW694

Report Date: 06/24/08
Collection Date: 04/21/08 12:24
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	202	mg/L		5		1	A2320 B	04/23/08 08:47/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/23/08 08:47/mb
Bicarbonate as HCO3	246	mg/L		5		1	A2320 B	04/23/08 08:47/mb
Calcium	97.0	mg/L		0.5		2	E200.7	05/05/08 13:59/eli-c
Chloride	9	mg/L		1		5	E300.0	05/10/08 19:49/eli-g
Fluoride	0.2	mg/L		0.1		5	E300.0	05/10/08 19:49/eli-g
Magnesium	37.6	mg/L		0.5		2	E200.7	05/05/08 13:59/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	04/28/08 15:55/jmh
Potassium	13.0	mg/L		0.5		2	E200.7	05/05/08 13:59/eli-c
Silica	8.4	mg/L		0.5		2	E200.7	05/05/08 13:59/eli-c
Sodium	176	mg/L		0.5		2	E200.7	05/05/08 13:59/eli-c
Sulfate	512	mg/L		1		5	E300.0	05/10/08 19:49/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1370	umhos/cm		5.0		1	A2510 B	04/28/08 12:37/tb
Oxidation-Reduction Potential	360	mV				1	A2580 B	04/24/08 00:00/tb
pH	7.94	s.u.		0.01		1	A4500-H B	04/28/08 10:29/tb
Sodium Adsorption Ratio (SAR)	3.8	unitless		0.10		1	Calculation	06/17/08 11:18/ADM
Solids, Total Dissolved TDS @ 180 C	1000	mg/L		5		1	A2540 C	04/22/08 13:58/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/05/08 13:59/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	05/05/08 22:29/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/05/08 22:29/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/05/08 13:59/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/05/08 22:29/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/05/08 13:59/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/05/08 22:29/eli-c
Iron	0.05	mg/L		0.03		2	E200.7	05/05/08 13:59/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/05/08 22:29/eli-c
Manganese	0.15	mg/L		0.01		2	E200.7	05/05/08 13:59/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/05/08 22:29/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	05/05/08 13:59/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/05/08 22:29/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/29/08 16:27/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/06/08 12:06/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/05/08 22:29/eli-c
Uranium	0.0005	mg/L		0.0003		1	E200.8	05/05/08 22:29/eli-c

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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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-001
Client Sample ID: DewBurd GW694

Report Date: 06/24/08
Collection Date: 04/21/08 12:24
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		2	E200.7	05/05/08 13:59/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	05/05/08 13:59/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	05/05/08 05:25/eli-c
NUTRIENT PARAMETERS								
Nitrogen, Nitrate as N	ND	mg/L		0.05		1	E353.2	05/05/08 00:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.05		1	E353.2	04/23/08 19:30/jmh
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/29/08 13:01/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/29/08 16:27/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	19.2	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Alpha precision (±)	3.4	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Alpha MDC	3.4	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Beta	15.7	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Beta precision (±)	2.6	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Beta MDC	3.9	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	05/21/08 07:45/eli-c
Lead 210 precision (±)	8.3	pCi/L				1	E909.0M	05/21/08 07:45/eli-c
Polonium 210	1.4	pCi/L		1.0		1	RMO-3008	05/06/08 17:00/eli-c
Polonium 210 precision (±)	1.1	pCi/L				1	RMO-3008	05/06/08 17:00/eli-c
Radium 226	4.2	pCi/L				1	E903.0	05/13/08 08:49/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	05/13/08 08:49/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	05/13/08 08:49/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	04/29/08 15:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/29/08 15:30/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/01/08 17:22/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	05/01/08 17:22/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	05/16/08 07:00/eli-c
Lead 210 precision (±)	0.9	pCi/L				1	E909.0M	05/16/08 07:00/eli-c
Polonium 210	0.2	pCi/L	U	1.0		1	RMO-3008	05/01/08 14:15/eli-c
Polonium 210 precision (±)	0.38	pCi/L				1	RMO-3008	05/01/08 14:15/eli-c

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U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-001
Client Sample ID: DewBurd GW694

Report Date: 06/24/08
Collection Date: 04/21/08 12:24
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226	-0.4	pCi/L	U			1	E903.0	05/06/08 13:38/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	05/06/08 13:38/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	05/06/08 13:38/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	05/01/08 15:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	05/01/08 15:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	251	pCi/L		100		1	D5072-92	04/24/08 13:29/eli-c
Radon 222 precision (±)	60.4	pCi/L				1	D5072-92	04/24/08 13:29/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	05/01/08 02:59/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	05/01/08 02:59/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/01/08 02:59/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	05/01/08 02:59/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/05/08 16:19/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/01/08 02:59/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/01/08 02:59/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/01/08 02:59/eli-c
Iron	0.14	mg/L		0.03		2	E200.7	05/05/08 16:19/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/01/08 02:59/eli-c
Manganese	0.15	mg/L		0.01		1	E200.8	05/01/08 02:59/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	05/06/08 16:31/eli-b
Mercury	ND	mg/L		0.001		1	E200.8	05/01/08 02:59/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	05/01/08 02:59/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/01/08 02:59/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	05/01/08 02:59/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/01/08 02:59/eli-c
Strontium	2.8	mg/L		0.1		1	E200.8	05/01/08 02:59/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/01/08 02:59/eli-c
Uranium	0.0006	mg/L		0.0003		1	E200.8	05/01/08 02:59/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/01/08 02:59/eli-c
DATA QUALITY								
A/C Balance (± 5)	3.20					1	A1030 E	06/17/08 00:00/ADM
Anions	15.0	meq/L				1	A1030 E	06/17/08 00:00/ADM
Cations	15.9	meq/L				1	A1030 E	06/17/08 00:00/ADM
Solids, Total Dissolved Calculated	988	mg/L				1	A1030 E	06/17/08 00:00/ADM

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-001
Client Sample ID: DewBurd GW694

Report Date: 06/24/08
Collection Date: 04/21/08 12:24
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
TDS Balance (0.80 - 1.20)	1.01					1	A1030 E	06/17/08 00:00/ADM

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-002
Client Sample ID: DewBurd GW694

Report Date: 06/24/08
Collection Date: 04/21/08 12:30
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	204	mg/L		5		1	A2320 B	04/23/08 08:50/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/23/08 08:50/mb
Bicarbonate as HCO3	249	mg/L		5		1	A2320 B	04/23/08 08:50/mb
Calcium	98.8	mg/L		0.5		2	E200.7	05/05/08 14:02/eli-c
Chloride	9	mg/L		1		5	E300.0	05/10/08 20:01/eli-g
Fluoride	0.2	mg/L		0.1		5	E300.0	05/10/08 20:01/eli-g
Magnesium	38.4	mg/L		0.5		2	E200.7	05/05/08 14:02/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	04/28/08 15:56/jmh
Potassium	13.5	mg/L		0.5		2	E200.7	05/05/08 14:02/eli-c
Silica	8.3	mg/L		0.5		2	E200.7	05/05/08 14:02/eli-c
Sodium	180	mg/L		0.5		2	E200.7	05/05/08 14:02/eli-c
Sulfate	511	mg/L		1		5	E300.0	05/10/08 20:01/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1380	umhos/cm		5.0		1	A2510 B	04/28/08 12:39/tb
Oxidation-Reduction Potential	350	mV				1	A2580 B	04/24/08 00:00/tb
pH	7.84	s.u.		0.01		1	A4500-H B	04/28/08 10:30/tb
Sodium Adsorption Ratio (SAR)	3.9	unitless		0.10		1	Calculation	06/17/08 11:18/ADM
Solids, Total Dissolved TDS @ 180 C	990	mg/L		5		1	A2540 C	04/22/08 13:58/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/05/08 14:02/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	05/05/08 22:36/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/05/08 22:36/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/05/08 14:02/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/05/08 22:36/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/05/08 14:02/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/05/08 22:36/eli-c
Iron	ND	mg/L		0.03		2	E200.7	05/05/08 14:02/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/05/08 22:36/eli-c
Manganese	0.15	mg/L		0.01		2	E200.7	05/05/08 14:02/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/05/08 22:36/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	05/05/08 14:02/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/05/08 22:36/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/29/08 16:38/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/06/08 12:12/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/05/08 22:36/eli-c
Uranium	0.0006	mg/L		0.0003		1	E200.8	05/05/08 22:36/eli-c

Report Definitions:
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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-002
Client Sample ID: DewBurd GW694

Report Date: 06/24/08
Collection Date: 04/21/08 12:30
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		2	E200.7	05/05/08 14:02/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	05/05/08 14:02/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	05/05/08 05:30/eli-c
NUTRIENT PARAMETERS								
Nitrogen, Nitrate as N	ND	mg/L		0.05		1	E353.2	05/05/08 00:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.05		1	E353.2	04/23/08 19:32/jmh
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/29/08 13:12/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/29/08 16:38/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	18.1	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Alpha precision (±)	3.5	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Alpha MDC	3.6	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Beta	16.2	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Beta precision (±)	2.6	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Beta MDC	4.0	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Lead 210	-2.4	pCi/L	U	1.0		1	E909.0M	05/21/08 07:45/eli-c
Lead 210 precision (±)	8.1	pCi/L				1	E909.0M	05/21/08 07:45/eli-c
Polonium 210	0.6	pCi/L	U	1.0		1	RMO-3008	05/06/08 17:00/eli-c
Polonium 210 precision (±)	0.80	pCi/L				1	RMO-3008	05/06/08 17:00/eli-c
Radium 226	3.7	pCi/L				1	E903.0	05/13/08 08:49/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	05/13/08 08:49/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	05/13/08 08:49/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	04/29/08 15:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/29/08 15:30/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/01/08 17:22/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	05/01/08 17:22/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-2.2	pCi/L	U	1.0		1	E909.0M	05/16/08 07:00/eli-c
Lead 210 precision (±)	0.9	pCi/L				1	E909.0M	05/16/08 07:00/eli-c
Polonium 210	0.7	pCi/L	U	1.0		1	RMO-3008	05/01/08 14:15/eli-c
Polonium 210 precision (±)	0.55	pCi/L				1	RMO-3008	05/01/08 14:15/eli-c

Report Definitions:
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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: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-002
Client Sample ID: DewBurd GW694

Report Date: 06/24/08
Collection Date: 04/21/08 12:30
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226	-0.09	pCi/L	U			1	E903.0	05/06/08 13:38/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	05/06/08 13:38/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	05/06/08 13:38/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	05/01/08 15:30/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	05/01/08 15:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	250	pCi/L		100		1	D5072-92	04/24/08 13:29/eli-c
Radon 222 precision (±)	60.4	pCi/L				1	D5072-92	04/24/08 13:29/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	05/01/08 03:06/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	05/01/08 03:06/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/01/08 03:06/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	05/01/08 03:06/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/05/08 16:32/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/01/08 03:06/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/01/08 03:06/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/01/08 03:06/eli-c
Iron	0.12	mg/L		0.03		2	E200.7	05/05/08 16:32/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/01/08 03:06/eli-c
Manganese	0.15	mg/L		0.01		1	E200.8	05/01/08 03:06/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/01/08 03:06/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	05/06/08 16:33/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	05/01/08 03:06/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/01/08 03:06/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	05/01/08 03:06/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/01/08 03:06/eli-c
Strontium	2.8	mg/L		0.1		1	E200.8	05/01/08 03:06/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/01/08 03:06/eli-c
Uranium	0.0006	mg/L		0.0003		1	E200.8	05/01/08 03:06/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/01/08 03:06/eli-c
DATA QUALITY								
A/C Balance (± 5)	4.23					1	A1030 E	06/17/08 00:00/ADM
Anions	15.0	meq/L				1	A1030 E	06/17/08 00:00/ADM
Cations	16.3	meq/L				1	A1030 E	06/17/08 00:00/ADM
Solids, Total Dissolved Calculated	996	mg/L				1	A1030 E	06/17/08 00:00/ADM

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-002
Client Sample ID: DewBurd GW694

Report Date: 06/24/08
Collection Date: 04/21/08 12:30
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
TDS Balance (0.80 - 1.20)	1.00					1	A1030 E	06/17/08 00:00/ADM

Report Definitions:
RL - Analyte reporting limit.
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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-003
Client Sample ID: DewBurd GW622

Report Date: 06/24/08
Collection Date: 04/21/08 15:28
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	180	mg/L		5		1	A2320 B	04/23/08 08:54/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/23/08 08:54/mb
Bicarbonate as HCO3	219	mg/L		5		1	A2320 B	04/23/08 08:54/mb
Calcium	87.6	mg/L		0.5		2	E200.7	05/05/08 14:05/eli-c
Chloride	10	mg/L		1		5	E300.0	05/10/08 20:13/eli-g
Fluoride	0.4	mg/L		0.1		5	E300.0	05/10/08 20:13/eli-g
Magnesium	32.0	mg/L		0.5		2	E200.7	05/05/08 14:05/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	04/28/08 15:59/jmh
Potassium	10.3	mg/L		0.5		2	E200.7	05/05/08 14:05/eli-c
Silica	7.5	mg/L		0.5		2	E200.7	05/05/08 14:05/eli-c
Sodium	175	mg/L		0.5		2	E200.7	05/05/08 14:05/eli-c
Sulfate	487	mg/L		1		5	E300.0	05/10/08 20:13/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1330	umhos/cm		5.0		1	A2510 B	04/28/08 12:29/tb
Oxidation-Reduction Potential	340	mV				1	A2580 B	04/24/08 00:00/tb
pH	7.85	s.u.		0.01		1	A4500-H B	04/28/08 10:32/tb
Sodium Adsorption Ratio (SAR)	4.1	unitless		0.10		1	Calculation	06/17/08 11:18/ADM
Solids, Total Dissolved TDS @ 180 C	940	mg/L		5		1	A2540 C	04/22/08 13:59/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/05/08 14:05/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	05/05/08 22:42/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/05/08 22:42/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/05/08 14:05/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/05/08 22:42/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/05/08 14:05/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/05/08 22:42/eli-c
Iron	0.03	mg/L		0.03		2	E200.7	05/05/08 14:05/eli-c
Lead	0.001	mg/L		0.001		1	E200.8	05/05/08 22:42/eli-c
Manganese	0.18	mg/L		0.01		2	E200.7	05/05/08 14:05/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/05/08 22:42/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	05/05/08 14:05/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/05/08 22:42/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/29/08 16:40/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/06/08 12:19/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/05/08 22:42/eli-c
Uranium	0.0054	mg/L		0.0003		1	E200.8	05/05/08 22:42/eli-c

Report Definitions: RL - Analyte reporting limit.
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ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-003
Client Sample ID: DewBurd GW622

Report Date: 06/24/08
Collection Date: 04/21/08 15:28
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		2	E200.7	05/05/08 14:05/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	05/05/08 14:05/eli-c
METALS - SUSPENDED								
Uranium	0.0008	mg/L		0.0003		1	E200.8	05/05/08 05:34/eli-c
NUTRIENT PARAMETERS								
Nitrogen, Nitrate as N	0.08	mg/L		0.05		1	E353.2	05/05/08 00:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.05		1	E353.2	04/23/08 19:34/jmh
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/29/08 13:14/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/29/08 16:40/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	22.6	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Alpha precision (±)	3.5	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Alpha MDC	3.2	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Beta	16.2	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Beta precision (±)	2.6	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Beta MDC	3.9	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Lead 210	-4.1	pCi/L	U	1.0		1	E909.0M	05/21/08 07:45/eli-c
Lead 210 precision (±)	8.1	pCi/L				1	E909.0M	05/21/08 07:45/eli-c
Polonium 210	1.1	pCi/L		1.0		1	RMO-3008	05/06/08 17:00/eli-c
Polonium 210 precision (±)	1.0	pCi/L				1	RMO-3008	05/06/08 17:00/eli-c
Radium 226	2.7	pCi/L				1	E903.0	05/13/08 08:49/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	05/13/08 08:49/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	05/13/08 08:49/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	04/29/08 15:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/29/08 15:30/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/01/08 17:22/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	05/01/08 17:22/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	05/16/08 07:00/eli-c
Lead 210 precision (±)	0.6	pCi/L				1	E909.0M	05/16/08 07:00/eli-c
Polonium 210	2.8	pCi/L		1.0		1	RMO-3008	05/01/08 14:15/eli-c
Polonium 210 precision (±)	1.7	pCi/L				1	RMO-3008	05/01/08 14:15/eli-c

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-003
Client Sample ID: DewBurd GW622

Report Date: 06/24/08
Collection Date: 04/21/08 15:28
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226	0.9	pCi/L				1	E903.0	05/06/08 13:38/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	05/06/08 13:38/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	05/06/08 13:38/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	05/01/08 15:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	05/01/08 15:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	1090	pCi/L		100		1	D5072-92	04/24/08 13:29/eli-c
Radon 222 precision (±)	69.4	pCi/L				1	D5072-92	04/24/08 13:29/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	05/01/08 03:12/eli-c
Arsenic	0.006	mg/L		0.001		1	E200.8	05/01/08 03:12/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/01/08 03:12/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	05/01/08 03:12/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/05/08 16:36/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/01/08 03:12/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/01/08 03:12/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/01/08 03:12/eli-c
Iron	7.34	mg/L		0.03		2	E200.7	05/05/08 16:36/eli-c
Lead	0.026	mg/L		0.001		1	E200.8	05/01/08 03:12/eli-c
Manganese	0.23	mg/L		0.01		1	E200.8	05/01/08 03:12/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/01/08 03:12/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	05/06/08 16:36/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	05/01/08 03:12/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/01/08 03:12/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	05/01/08 03:12/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/01/08 03:12/eli-c
Strontium	1.6	mg/L		0.1		1	E200.8	05/01/08 03:12/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/01/08 03:12/eli-c
Uranium	0.0065	mg/L		0.0003		1	E200.8	05/01/08 03:12/eli-c
Zinc	0.22	mg/L		0.01		1	E200.8	05/01/08 03:12/eli-c
DATA QUALITY								
A/C Balance (± 5)	3.01					1	A1030 E	06/17/08 00:00/ADM
Anions	14.0	meq/L				1	A1030 E	06/17/08 00:00/ADM
Cations	14.9	meq/L				1	A1030 E	06/17/08 00:00/ADM
Solids, Total Dissolved Calculated	931	mg/L				1	A1030 E	06/17/08 00:00/ADM

Report Definitions:
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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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-003
Client Sample ID: DewBurd GW622

Report Date: 06/24/08
Collection Date: 04/21/08 15:28
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
TDS Balance (0.80 - 1.20)	1.01					1	A1030 E	06/17/08 00:00/ADM

Report Definitions:
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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-004
Client Sample ID: DewBurd GW615

Report Date: 06/24/08
Collection Date: 04/21/08 16:16
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	136	mg/L		5		1	A2320 B	04/23/08 08:59/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/23/08 08:59/mb
Bicarbonate as HCO3	166	mg/L		5		1	A2320 B	04/23/08 08:59/mb
Calcium	73.0	mg/L		0.5		2	E200.7	05/05/08 14:09/eli-c
Chloride	4	mg/L		1		5	E300.0	05/10/08 20:24/eli-g
Fluoride	0.4	mg/L		0.1		5	E300.0	05/10/08 20:24/eli-g
Magnesium	22.9	mg/L		0.5		2	E200.7	05/05/08 14:09/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	04/28/08 16:03/jmh
Potassium	8.7	mg/L		0.5		2	E200.7	05/05/08 14:09/eli-c
Silica	7.8	mg/L		0.5		2	E200.7	05/05/08 14:09/eli-c
Sodium	132	mg/L		0.5		2	E200.7	05/05/08 14:09/eli-c
Sulfate	371	mg/L		1		5	E300.0	05/10/08 20:24/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1040	umhos/cm		5.0		1	A2510 B	04/28/08 12:41/tb
Oxidation-Reduction Potential	300	mV				1	A2580 B	04/24/08 00:00/tb
pH	7.43	s.u.		0.01		1	A4500-H B	04/28/08 10:33/tb
Sodium Adsorption Ratio (SAR)	3.5	unitless		0.10		1	Calculation	06/17/08 11:18/ADM
Solids, Total Dissolved TDS @ 180 C	750	mg/L		5		1	A2540 C	04/22/08 14:00/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/05/08 14:09/eli-c
Arsenic	0.020	mg/L		0.001		1	E200.8	05/05/08 22:49/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/05/08 22:49/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/05/08 14:09/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/05/08 22:49/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/05/08 14:09/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/05/08 22:49/eli-c
Iron	0.79	mg/L		0.03		2	E200.7	05/05/08 14:09/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/05/08 22:49/eli-c
Manganese	0.07	mg/L		0.01		2	E200.7	05/05/08 14:09/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/05/08 22:49/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	05/05/08 14:09/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/05/08 22:49/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/29/08 16:43/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/06/08 12:26/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/05/08 22:49/eli-c
Uranium	0.0025	mg/L		0.0003		1	E200.8	05/05/08 22:49/eli-c

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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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-004
Client Sample ID: DewBurd GW615

Report Date: 06/24/08
Collection Date: 04/21/08 16:16
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		2	E200.7	05/05/08 14:09/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	05/05/08 14:09/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	05/05/08 05:38/eli-c
NUTRIENT PARAMETERS								
Nitrogen, Nitrate as N	0.06	mg/L		0.05		1	E353.2	05/05/08 00:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.05		1	E353.2	04/23/08 19:36/jmh
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/29/08 13:16/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/29/08 16:43/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	15.1	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Alpha precision (±)	2.6	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Alpha MDC	2.5	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Beta	12.1	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Beta precision (±)	2.2	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Beta MDC	3.4	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	05/21/08 07:45/eli-c
Lead 210 precision (±)	8.2	pCi/L				1	E909.0M	05/21/08 07:45/eli-c
Polonium 210	0.9	pCi/L	U	1.0		1	RMO-3008	05/06/08 17:00/eli-c
Polonium 210 precision (±)	0.90	pCi/L				1	RMO-3008	05/06/08 17:00/eli-c
Radium 226	2.0	pCi/L				1	E903.0	05/13/08 08:49/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	05/13/08 08:49/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	05/13/08 08:49/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	04/29/08 15:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/29/08 15:30/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/01/08 17:22/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	05/01/08 17:22/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-3.2	pCi/L	U	1.0		1	E909.0M	05/16/08 07:00/eli-c
Lead 210 precision (±)	1.0	pCi/L				1	E909.0M	05/16/08 07:00/eli-c
Polonium 210	0.4	pCi/L	U	1.0		1	RMO-3008	05/01/08 14:15/eli-c
Polonium 210 precision (±)	0.52	pCi/L				1	RMO-3008	05/01/08 14:15/eli-c

Report Definitions:
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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: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-004
Client Sample ID: DewBurd GW615

Report Date: 06/24/08
Collection Date: 04/21/08 16:16
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226	-0.2	pCi/L	U			1	E903.0	05/06/08 15:27/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	05/06/08 15:27/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	05/06/08 15:27/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	05/01/08 15:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	05/01/08 15:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	1180	pCi/L		100		1	D5072-92	04/24/08 13:29/eli-c
Radon 222 precision (±)	70.1	pCi/L				1	D5072-92	04/24/08 13:29/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	05/01/08 03:19/eli-c
Arsenic	0.024	mg/L		0.001		1	E200.8	05/01/08 03:19/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/01/08 03:19/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	05/01/08 03:19/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/05/08 16:39/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/01/08 03:19/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/01/08 03:19/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/01/08 03:19/eli-c
Iron	1.35	mg/L		0.03		2	E200.7	05/05/08 16:39/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/01/08 03:19/eli-c
Manganese	0.07	mg/L		0.01		1	E200.8	05/01/08 03:19/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/01/08 03:19/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	05/06/08 16:38/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	05/01/08 03:19/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/01/08 03:19/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	05/01/08 03:19/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/01/08 03:19/eli-c
Strontium	1.4	mg/L		0.1		1	E200.8	05/01/08 03:19/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/01/08 03:19/eli-c
Uranium	0.0025	mg/L		0.0003		1	E200.8	05/01/08 03:19/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/01/08 03:19/eli-c
DATA QUALITY								
A/C Balance (± 5)	4.26					1	A1030 E	06/17/08 00:00/ADM
Anions	10.6	meq/L				1	A1030 E	06/17/08 00:00/ADM
Cations	11.5	meq/L				1	A1030 E	06/17/08 00:00/ADM
Solids, Total Dissolved Calculated	715	mg/L				1	A1030 E	06/17/08 00:00/ADM

Report Definitions:
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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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-004
Client Sample ID: DewBurd GW615

Report Date: 06/24/08
Collection Date: 04/21/08 16:16
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
TDS Balance (0.80 - 1.20)	1.05					1	A1030 E	06/17/08 00:00/ADM

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MDC - Minimum detectable concentration
MCL - Maximum contaminant level.
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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-005
Client Sample ID: DewBurd GW689

Report Date: 06/24/08
Collection Date: 04/21/08 19:50
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	148	mg/L		5		1	A2320 B	04/23/08 09:02/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/23/08 09:02/mb
Bicarbonate as HCO3	180	mg/L		5		1	A2320 B	04/23/08 09:02/mb
Calcium	48.5	mg/L		0.5		2	E200.7	05/05/08 14:12/eli-c
Chloride	5	mg/L		1		5	E300.0	05/10/08 20:59/eli-g
Fluoride	0.5	mg/L		0.1		5	E300.0	05/10/08 20:59/eli-g
Magnesium	16.8	mg/L		0.5		2	E200.7	05/05/08 14:12/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	04/28/08 16:04/jmh
Potassium	7.9	mg/L		0.5		2	E200.7	05/05/08 14:12/eli-c
Silica	8.0	mg/L		0.5		2	E200.7	05/05/08 14:12/eli-c
Sodium	180	mg/L		0.5		2	E200.7	05/05/08 14:12/eli-c
Sulfate	374	mg/L		1		5	E300.0	05/10/08 20:59/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1110	umhos/cm		5.0		1	A2510 B	04/28/08 12:43/tb
Oxidation-Reduction Potential	300	mV				1	A2580 B	04/24/08 00:00/tb
pH	8.02	s.u.		0.01		1	A4500-H B	04/28/08 10:34/tb
Sodium Adsorption Ratio (SAR)	5.7	unitless		0.10		1	Calculation	06/17/08 11:18/ADM
Solids, Total Dissolved TDS @ 180 C	760	mg/L		5		1	A2540 C	04/22/08 14:01/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/05/08 14:12/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	05/05/08 22:56/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/05/08 22:56/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/05/08 14:12/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/05/08 22:56/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/05/08 14:12/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/05/08 22:56/eli-c
Iron	ND	mg/L		0.03		2	E200.7	05/05/08 14:12/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/05/08 22:56/eli-c
Manganese	0.04	mg/L		0.01		2	E200.7	05/05/08 14:12/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/05/08 22:56/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	05/05/08 14:12/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/05/08 22:56/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/29/08 16:45/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/06/08 12:33/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/05/08 22:56/eli-c
Uranium	0.0037	mg/L		0.0003		1	E200.8	05/05/08 22:56/eli-c

Report Definitions: RL - Analyte reporting limit.
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ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-005
Client Sample ID: DewBurd GW689

Report Date: 06/24/08
Collection Date: 04/21/08 19:50
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		2	E200.7	05/05/08 14:12/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	05/05/08 14:12/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	05/05/08 05:54/eli-c
NUTRIENT PARAMETERS								
Nitrogen, Nitrate as N	ND	mg/L		0.05		1	E353.2	05/05/08 00:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.05		1	E353.2	04/23/08 19:39/jmh
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/29/08 13:18/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/29/08 16:45/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	25.5	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Alpha precision (±)	3.2	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Alpha MDC	2.6	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Beta	13.2	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Beta precision (±)	2.3	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Beta MDC	3.4	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Lead 210	-2.4	pCi/L	U	1.0		1	E909.0M	05/21/08 07:45/eli-c
Lead 210 precision (±)	8.1	pCi/L				1	E909.0M	05/21/08 07:45/eli-c
Polonium 210	0.7	pCi/L	U	1.0		1	RMO-3008	05/06/08 17:00/eli-c
Polonium 210 precision (±)	0.80	pCi/L				1	RMO-3008	05/06/08 17:00/eli-c
Radium 226	4.2	pCi/L				1	E903.0	05/13/08 08:49/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	05/13/08 08:49/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	05/13/08 08:49/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	04/29/08 15:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/29/08 15:30/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/01/08 17:22/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	05/01/08 17:22/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-0.3	pCi/L	U	1.0		1	E909.0M	05/16/08 07:00/eli-c
Lead 210 precision (±)	0.5	pCi/L				1	E909.0M	05/16/08 07:00/eli-c
Polonium 210	0.6	pCi/L	U	1.0		1	RMO-3008	05/01/08 14:15/eli-c
Polonium 210 precision (±)	0.71	pCi/L				1	RMO-3008	05/01/08 14:15/eli-c

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-005
Client Sample ID: DewBurd GW689

Report Date: 06/24/08
Collection Date: 04/21/08 19:50
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226	0.02	pCi/L	U			1	E903.0	05/06/08 15:27/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	05/06/08 15:27/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	05/06/08 15:27/eli-c
Thorium 230	0.3	pCi/L		0.2		1	E907.0	05/01/08 15:30/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	05/01/08 15:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	1540	pCi/L		100		1	D5072-92	04/24/08 13:29/eli-c
Radon 222 precision (±)	72.3	pCi/L				1	D5072-92	04/24/08 13:29/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	05/01/08 03:26/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	05/01/08 03:26/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/01/08 03:26/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	05/01/08 03:26/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/05/08 16:43/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/01/08 03:26/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/01/08 03:26/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/01/08 03:26/eli-c
Iron	0.52	mg/L		0.03		2	E200.7	05/05/08 16:43/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/01/08 03:26/eli-c
Manganese	0.06	mg/L		0.01		1	E200.8	05/01/08 03:26/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/01/08 03:26/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	05/06/08 16:43/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	05/01/08 03:26/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/01/08 03:26/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	05/01/08 03:26/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/01/08 03:26/eli-c
Strontium	1.0	mg/L		0.1		1	E200.8	05/01/08 03:26/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/01/08 03:26/eli-c
Uranium	0.0040	mg/L		0.0003		1	E200.8	05/01/08 03:26/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/01/08 03:26/eli-c
DATA QUALITY								
A/C Balance (± 5)	3.98					1	A1030 E	06/17/08 00:00/ADM
Anions	10.9	meq/L				1	A1030 E	06/17/08 00:00/ADM
Cations	11.8	meq/L				1	A1030 E	06/17/08 00:00/ADM
Solids, Total Dissolved Calculated	744	mg/L				1	A1030 E	06/17/08 00:00/ADM

Report Definitions:
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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: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-005
Client Sample ID: DewBurd GW689

Report Date: 06/24/08
Collection Date: 04/21/08 19:50
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
TDS Balance (0.80 - 1.20)	1.02					1	A1030 E	06/17/08 00:00/ADM

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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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-006
Client Sample ID: DewBurd GW681

Report Date: 06/24/08
Collection Date: 04/21/08 20:06
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	172	mg/L		5		1	A2320 B	04/23/08 09:05/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/23/08 09:05/mb
Bicarbonate as HCO3	210	mg/L		5		1	A2320 B	04/23/08 09:05/mb
Calcium	62.0	mg/L		0.5		2	E200.7	05/05/08 14:32/eli-c
Chloride	13	mg/L		1		5	E300.0	05/10/08 21:34/eli-g
Fluoride	0.4	mg/L		0.1		5	E300.0	05/10/08 21:34/eli-g
Magnesium	25.0	mg/L		0.5		2	E200.7	05/05/08 14:32/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	04/28/08 16:05/jmh
Potassium	10	mg/L		0.5		2	E200.7	05/05/08 14:32/eli-c
Silica	7.2	mg/L		0.5		2	E200.7	05/05/08 14:32/eli-c
Sodium	204	mg/L		0.5		2	E200.7	05/05/08 14:32/eli-c
Sulfate	466	mg/L		1		5	E300.0	05/10/08 21:34/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1330	umhos/cm		5.0		1	A2510 B	04/28/08 12:44/tb
Oxidation-Reduction Potential	280	mV				1	A2580 B	04/24/08 00:00/tb
pH	8.02	s.u.		0.01		1	A4500-H B	04/28/08 10:35/tb
Sodium Adsorption Ratio (SAR)	5.5	unitless		0.10		1	Calculation	06/17/08 11:18/ADM
Solids, Total Dissolved TDS @ 180 C	940	mg/L		5		1	A2540 C	04/22/08 14:01/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/05/08 14:32/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	05/05/08 23:03/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/05/08 23:03/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/05/08 14:32/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/05/08 23:03/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/05/08 14:32/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/05/08 23:03/eli-c
Iron	ND	mg/L		0.03		2	E200.7	05/05/08 14:32/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/05/08 23:03/eli-c
Manganese	0.09	mg/L		0.01		2	E200.7	05/05/08 14:32/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/05/08 23:03/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	05/05/08 14:32/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/05/08 23:03/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/29/08 16:47/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/06/08 12:39/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/05/08 23:03/eli-c
Uranium	0.0098	mg/L		0.0003		1	E200.8	05/05/08 23:03/eli-c

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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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-006
Client Sample ID: DewBurd GW681

Report Date: 06/24/08
Collection Date: 04/21/08 20:06
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		2	E200.7	05/05/08 14:32/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	05/05/08 14:32/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	05/05/08 05:59/eli-c
NUTRIENT PARAMETERS								
Nitrogen, Nitrate as N	ND	mg/L		0.05		1	E353.2	05/05/08 00:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.05		1	E353.2	04/23/08 19:45/jmh
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/29/08 13:20/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/29/08 16:47/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	1400	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Alpha precision (±)	23.2	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Alpha MDC	3.1	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Beta	430	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Beta precision (±)	6.6	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Beta MDC	3.9	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Lead 210	49.9	pCi/L		1.0		1	E909.0M	05/21/08 07:45/eli-c
Lead 210 precision (±)	9.0	pCi/L				1	E909.0M	05/21/08 07:45/eli-c
Polonium 210	3.5	pCi/L		1.0		1	RMO-3008	05/06/08 17:00/eli-c
Polonium 210 precision (±)	1.7	pCi/L				1	RMO-3008	05/06/08 17:00/eli-c
Radium 226	377	pCi/L				1	E903.0	05/13/08 08:49/eli-c
Radium 226 precision (±)	3.4	pCi/L				1	E903.0	05/13/08 08:49/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	05/13/08 08:49/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	04/29/08 15:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/29/08 15:30/eli-c
Gross Gamma	3400	pCi/L		20		1	E901.1	05/01/08 17:22/eli-c
Gross Gamma precision (±)	110	pCi/L				1	E901.1	05/01/08 17:22/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	16.7	pCi/L		1.0		1	E909.0M	05/16/08 07:00/eli-c
Lead 210 precision (±)	2.2	pCi/L				1	E909.0M	05/16/08 07:00/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	05/01/08 14:15/eli-c
Polonium 210 precision (±)	0.31	pCi/L				1	RMO-3008	05/01/08 14:15/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-006
Client Sample ID: DewBurd GW681

Report Date: 06/24/08
Collection Date: 04/21/08 20:06
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226	0.2	pCi/L	U			1	E903.0	05/06/08 15:27/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	05/06/08 15:27/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	05/06/08 15:27/eli-c
Thorium 230	0.2	pCi/L	U	0.2		1	E907.0	05/01/08 15:30/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	05/01/08 15:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	253000	pCi/L		100		1	D5072-92	04/24/08 13:29/eli-c
Radon 222 precision (±)	623	pCi/L				1	D5072-92	04/24/08 13:29/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	05/01/08 03:53/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	05/01/08 03:53/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/01/08 03:53/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	05/01/08 03:53/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/05/08 16:46/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/01/08 03:53/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/01/08 03:53/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/01/08 03:53/eli-c
Iron	ND	mg/L		0.03		2	E200.7	05/05/08 16:46/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/01/08 03:53/eli-c
Manganese	0.09	mg/L		0.01		1	E200.8	05/01/08 03:53/eli-c
Mercury	ND	mg/L		0.01		1	E200.8	05/01/08 03:53/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	05/06/08 16:50/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	05/01/08 03:53/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/01/08 03:53/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	05/01/08 03:53/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/01/08 03:53/eli-c
Strontium	1.2	mg/L		0.1		1	E200.8	05/01/08 03:53/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/01/08 03:53/eli-c
Uranium	0.0102	mg/L		0.0003		1	E200.8	05/01/08 03:53/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/01/08 03:53/eli-c
DATA QUALITY								
A/C Balance (± 5)	2.67					1	A1030 E	06/17/08 00:00/ADM
Anions	13.5	meq/L				1	A1030 E	06/17/08 00:00/ADM
Cations	14.3	meq/L				1	A1030 E	06/17/08 00:00/ADM
Solids, Total Dissolved Calculated	903	mg/L				1	A1030 E	06/17/08 00:00/ADM

Report Definitions:
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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: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-006
Client Sample ID: DewBurd GW681

Report Date: 06/24/08
Collection Date: 04/21/08 20:06
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
TDS Balance (0.80 - 1.20)	1.04					1	A1030 E	06/17/08 00:00/ADM

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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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-007
Client Sample ID: DewBurd GW680

Report Date: 06/24/08
Collection Date: 04/21/08 21:21
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	262	mg/L		5		1	A2320 B	04/23/08 09:09/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/23/08 09:09/mb
Bicarbonate as HCO3	319	mg/L		5		1	A2320 B	04/23/08 09:09/mb
Calcium	368	mg/L		0.5		2	E200.7	05/05/08 14:39/eli-c
Chloride	11	mg/L		1		5	E300.0	05/10/08 21:46/eli-g
Fluoride	0.3	mg/L		0.1		5	E300.0	05/10/08 21:46/eli-g
Magnesium	123	mg/L		0.5		2	E200.7	05/05/08 14:39/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	04/28/08 16:06/jmh
Potassium	19.2	mg/L		0.5		2	E200.7	05/05/08 14:39/eli-c
Silica	8.3	mg/L		0.5		2	E200.7	05/05/08 14:39/eli-c
Sodium	125	mg/L		0.5		2	E200.7	05/05/08 14:39/eli-c
Sulfate	1360	mg/L		1		10	E300.0	05/12/08 15:31/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2510	umhos/cm		5.0		1	A2510 B	04/28/08 12:48/tb
Oxidation-Reduction Potential	280	mV				1	A2580 B	04/24/08 00:00/tb
pH	7.56	s.u.		0.01		1	A4500-H B	04/28/08 10:37/tb
Sodium Adsorption Ratio (SAR)	1.4	unitless		0.10		1	Calculation	06/17/08 11:18/ADM
Solids, Total Dissolved TDS @ 180 C	2300	mg/L		5		1	A2540 C	04/22/08 14:02/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/05/08 14:39/eli-c
Arsenic	0.007	mg/L		0.001		1	E200.8	05/05/08 23:09/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/05/08 23:09/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	05/05/08 14:39/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/05/08 23:09/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/05/08 14:39/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/05/08 23:09/eli-c
Iron	0.25	mg/L		0.03		2	E200.7	05/05/08 14:39/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/05/08 23:09/eli-c
Manganese	0.42	mg/L		0.01		2	E200.7	05/05/08 14:39/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/05/08 23:09/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	05/05/08 14:39/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/05/08 23:09/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/29/08 16:49/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/06/08 12:46/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/05/08 23:09/eli-c
Uranium	0.0303	mg/L		0.0003		1	E200.8	05/05/08 23:09/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-007
Client Sample ID: DewBurd GW680

Report Date: 06/24/08
Collection Date: 04/21/08 21:21
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		2	E200.7	05/05/08 14:39/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	05/05/08 14:39/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	05/05/08 06:03/eli-c
NUTRIENT PARAMETERS								
Nitrogen, Nitrate as N	ND	mg/L		0.05		1	E353.2	05/05/08 00:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.05		1	E353.2	04/23/08 19:52/jmh
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/29/08 13:23/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/29/08 16:49/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	4270	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Alpha precision (±)	62.3	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Alpha MDC	7.4	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Beta	1390	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Beta precision (±)	17.7	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Gross Beta MDC	9.1	pCi/L				1	E900.0	05/09/08 14:29/eli-c
Lead 210	32.0	pCi/L		1.0		1	E909.0M	05/21/08 07:45/eli-c
Lead 210 precision (±)	8.7	pCi/L				1	E909.0M	05/21/08 07:45/eli-c
Polonium 210	0.5	pCi/L	U	1.0		1	RMO-3008	05/06/08 17:00/eli-c
Polonium 210 precision (±)	0.80	pCi/L				1	RMO-3008	05/06/08 17:00/eli-c
Radium 226	1230	pCi/L				1	E903.0	05/13/08 08:49/eli-c
Radium 226 precision (±)	5.8	pCi/L				1	E903.0	05/13/08 08:49/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	05/13/08 08:49/eli-c
Thorium 230	0.3	pCi/L		0.2		1	E907.0	04/29/08 15:30/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	04/29/08 15:30/eli-c
Gross Gamma	1000	pCi/L		20		1	E901.1	05/01/08 17:22/eli-c
Gross Gamma precision (±)	62	pCi/L				1	E901.1	05/01/08 17:22/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-1.0	pCi/L	U	1.0		1	E909.0M	05/16/08 07:00/eli-c
Lead 210 precision (±)	0.7	pCi/L				1	E909.0M	05/16/08 07:00/eli-c
Polonium 210	0.3	pCi/L	U	1.0		1	RMO-3008	05/01/08 14:15/eli-c
Polonium 210 precision (±)	0.40	pCi/L				1	RMO-3008	05/01/08 14:15/eli-c

Report Definitions:
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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: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-007
Client Sample ID: DewBurd GW680

Report Date: 06/24/08
Collection Date: 04/21/08 21:21
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226	1.6	pCi/L				1	E903.0	05/06/08 15:27/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	05/06/08 15:27/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	05/06/08 15:27/eli-c
Thorium 230	0.3	pCi/L		0.2		1	E907.0	05/01/08 15:30/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	05/01/08 15:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	81000	pCi/L		100		1	D5072-92	04/24/08 13:29/eli-c
Radon 222 precision (±)	371	pCi/L				1	D5072-92	04/24/08 13:29/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	05/01/08 04:00/eli-c
Arsenic	0.006	mg/L		0.001		1	E200.8	05/01/08 04:00/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/01/08 04:00/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	05/01/08 04:00/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	05/05/08 16:50/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/01/08 04:00/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/01/08 04:00/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/01/08 04:00/eli-c
Iron	0.29	mg/L		0.03		2	E200.7	05/05/08 16:50/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/01/08 04:00/eli-c
Manganese	0.44	mg/L		0.01		1	E200.8	05/01/08 04:00/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/01/08 04:00/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	05/06/08 16:53/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	05/01/08 04:00/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/01/08 04:00/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	05/01/08 04:00/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/01/08 04:00/eli-c
Strontium	7.3	mg/L		0.1		1	E200.8	05/01/08 04:00/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/01/08 04:00/eli-c
Uranium	0.0291	mg/L		0.0003		1	E200.8	05/01/08 04:00/eli-c
Zinc	0.02	mg/L		0.01		1	E200.8	05/01/08 04:00/eli-c
DATA QUALITY								
A/C Balance (± 5)	0.770					1	A1030 E	06/17/08 00:00/ADM
Anions	33.9	meq/L				1	A1030 E	06/17/08 00:00/ADM
Cations	34.5	meq/L				1	A1030 E	06/17/08 00:00/ADM
Solids, Total Dissolved Calculated	2190	mg/L				1	A1030 E	06/17/08 00:00/ADM

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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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040250-007
Client Sample ID: DewBurd GW680

Report Date: 06/24/08
Collection Date: 04/21/08 21:21
Date Received: 04/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
TDS Balance (0.80 - 1.20)	1.04					1	A1030 E	06/17/08 00:00/ADM

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.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040250

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 080423A-ALK-SEL-W	
Sample ID: LCS1_080423A	Laboratory Control Sample				Run: PH_COND1-R_080423A			04/23/08 08:40	
Alkalinity, Total as CaCO3	980	mg/L	5.0	98	90	110			
Sample ID: MBLK1_080423A	Method Blank				Run: PH_COND1-R_080423A			04/23/08 08:43	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Sample ID: R08040273-003AMS	Sample Matrix Spike				Run: PH_COND1-R_080423A			04/23/08 09:25	
Alkalinity, Total as CaCO3	270	mg/L	5.0	100	80	120			
Sample ID: R08040273-003AMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_080423A			04/23/08 09:29	
Alkalinity, Total as CaCO3	268	mg/L	5.0	98	80	120	0.7	10	
Method: A2510 B								Batch: 080428_1_COND-PROBE-W	
Sample ID: LCS1-1_080428	Laboratory Control Sample				Run: PH_COND2-R_080428B			04/28/08 11:49	
Conductivity @ 25 C	143	umhos/cm	5.0	95	90	110			
Sample ID: LCS2-1_080428	Laboratory Control Sample				Run: PH_COND2-R_080428B			04/28/08 11:50	
Conductivity @ 25 C	4960	umhos/cm	5.0	99	90	110			
Sample ID: LCS_COND-1_080428	Laboratory Control Sample				Run: PH_COND2-R_080428B			04/28/08 11:51	
Conductivity @ 25 C	1410	umhos/cm	5.0	100	90	110			
Sample ID: MBLK-1_080428	Method Blank				Run: PH_COND2-R_080428B			04/28/08 11:52	
Conductivity @ 25 C	ND	umhos/cm	5						
Sample ID: R08040250-002ADUP	Sample Duplicate				Run: PH_COND2-R_080428B			04/28/08 12:41	
Conductivity @ 25 C	1380	umhos/cm	5.0				0.0	10	
Method: A2540 C								Batch: 080422A-SLDS-TDS-W	
Sample ID: LCS1_080422A	Laboratory Control Sample				Run: BAL-4-R_080422E			04/22/08 13:53	
Solids, Total Dissolved TDS @ 180 C	230	mg/L	5.0	110	90	110			
Sample ID: MBLK1_080422A	Method Blank				Run: BAL-4-R_080422E			04/22/08 14:05	
Solids, Total Dissolved TDS @ 180 C	10	mg/L	3						
Sample ID: R08040250-007AMS	Sample Matrix Spike				Run: BAL-4-R_080422E			04/22/08 14:03	
Solids, Total Dissolved TDS @ 180 C	2500	mg/L	5.0	119	80	120			
Sample ID: R08040250-007AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080422E			04/22/08 14:04	
Solids, Total Dissolved TDS @ 180 C	2500	mg/L	5.0	116	80	120	0.2	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040250

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B									Analytical Run: SUB-C100349
Sample ID: 288-66-6	Initial Calibration Verification Standard								04/29/08 12:37
Selenium-IV	0.050	mg/L	0.0010	100	90	110			
Method: A3114 B									Batch: C_SE3114-080429B
Sample ID: MBLK	Method Blank				Run: SUB-C100349				04/29/08 12:43
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-66-6	Laboratory Control Sample				Run: SUB-C100349				04/29/08 12:45
Selenium-IV	0.051	mg/L	0.0010	102	90	110			
Sample ID: R08040250-001E	Sample Matrix Spike				Run: SUB-C100349				04/29/08 13:07
Selenium-IV	0.047	mg/L	0.0010	94	85	115			
Sample ID: R08040250-001E	Sample Matrix Spike Duplicate				Run: SUB-C100349				04/29/08 13:10
Selenium-IV	0.048	mg/L	0.0010	96	85	115	2.7	10	
Sample ID: R08040287-001E	Sample Matrix Spike				Run: SUB-C100349				04/29/08 13:31
Selenium-IV	0.049	mg/L	0.0010	98	85	115			
Sample ID: R08040287-001E	Sample Matrix Spike Duplicate				Run: SUB-C100349				04/29/08 13:34
Selenium-IV	0.050	mg/L	0.0010	100	85	115	1.8	10	
Method: A3114 B									Batch: C_SE3114-080429D
Sample ID: MBLK	Method Blank				Run: SUB-C100378				04/29/08 16:10
Selenium	ND	mg/L	6E-05						
Sample ID: 288-66-6	Laboratory Control Sample				Run: SUB-C100378				04/29/08 16:12
Selenium	0.053	mg/L	0.0010	107	90	110			
Sample ID: R08040250-001E	Sample Matrix Spike				Run: SUB-C100378				04/29/08 16:34
Selenium	0.054	mg/L	0.0010	109	85	115			
Sample ID: R08040250-001E	Sample Matrix Spike Duplicate				Run: SUB-C100378				04/29/08 16:36
Selenium	0.054	mg/L	0.0010	109	85	115	0.1	10	
Sample ID: R08040287-001E	Sample Matrix Spike				Run: SUB-C100378				04/29/08 16:58
Selenium	0.054	mg/L	0.0010	107	85	115			
Sample ID: R08040287-001E	Sample Matrix Spike Duplicate				Run: SUB-C100378				04/29/08 17:00
Selenium	0.052	mg/L	0.0010	105	85	115	2.3	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040250

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B									Batch: 080428_1_PH-W
Sample ID: LCS_pH-1_080428	Laboratory Control Sample				Run: PH_COND2-R_080428A				04/28/08 10:25
pH	6.93	s.u.	0.010	101	98.55	101.45			
Method: A4500-NH3 G									Batch: A2008-04-28_2_NH3_01
Sample ID: MBLK-2	Method Blank				Run: TECHAA2-R_080428A				04/28/08 15:00
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_080428A				04/28/08 15:01
Nitrogen, Ammonia as N	0.26	mg/L	0.10	104	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_080428A				04/28/08 15:02
Nitrogen, Ammonia as N	0.25	mg/L	0.10	100	90	110			
Sample ID: R08040250-003BMS	Sample Matrix Spike				Run: TECHAA2-R_080428A				04/28/08 16:01
Nitrogen, Ammonia as N	0.32	mg/L	0.10	115	80	120			
Sample ID: R08040250-003BMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080428A				04/28/08 16:02
Nitrogen, Ammonia as N	0.29	mg/L	0.10	104	80	120	8.9	10	
Method: D5072-92									Batch: C_R100290
Sample ID: C08041066-001ADUP	Sample Duplicate				Run: SUB-C100290				04/24/08 13:29
Radon 222	2010	pCi/L	100				3.5	30	
Sample ID: MB-R100290	Method Blank				Run: SUB-C100290				04/24/08 13:29
Radon 222	20	pCi/L							
Sample ID: LCS-R100290	Laboratory Control Sample				Run: SUB-C100290				04/24/08 13:29
Radon 222	304	pCi/L	100	95	70	130			

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040250

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_18421
Sample ID: MB-18421	Method Blank				Run: SUB-C100675				05/05/08 16:12
Boron	ND	mg/L	0.006						
Iron	ND	mg/L	0.005						
Sample ID: LCS3-18421	Laboratory Control Sample				Run: SUB-C100675				05/05/08 16:15
Boron	0.498	mg/L	0.10	100	85	115			
Iron	2.52	mg/L	0.030	101	85	115			
Sample ID: R08040250-007D	Sample Matrix Spike				Run: SUB-C100675				05/05/08 16:53
Boron	0.597	mg/L	0.10	97	70	130			
Iron	2.81	mg/L	0.030	101	70	130			
Sample ID: R08040250-007D	Sample Matrix Spike Duplicate				Run: SUB-C100675				05/05/08 16:56
Boron	0.590	mg/L	0.10	96	70	130	1.2	20	
Iron	2.75	mg/L	0.030	99	70	130	2.1	20	

Qualifiers:

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040250

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R100675
Sample ID: MB-080505A	Method Blank				Run: SUB-C100675				05/05/08 10:34
Silica	ND	mg/L	0.06						
Aluminum	ND	mg/L	0.008						
Boron	ND	mg/L	0.004						
Calcium	ND	mg/L	0.04						
Chromium	0.003	mg/L	0.003						
Iron	0.006	mg/L	0.002						
Magnesium	ND	mg/L	0.04						
Manganese	ND	mg/L	0.0004						
Molybdenum	ND	mg/L	0.01						
Potassium	ND	mg/L	0.08						
Sodium	ND	mg/L	0.06						
Vanadium	ND	mg/L	0.006						
Zinc	ND	mg/L	0.004						
Sample ID: LFB-080505A	Laboratory Fortified Blank				Run: SUB-C100675				05/05/08 10:37
Silica	0.97	mg/L	0.10	97	85	125			
Aluminum	0.96	mg/L	0.10	96	85	125			
Boron	0.99	mg/L	0.10	99	85	125			
Calcium	55	mg/L	0.50	110	85	125			
Chromium	0.99	mg/L	0.050	99	85	125			
Iron	0.97	mg/L	0.030	97	85	125			
Magnesium	53	mg/L	0.50	107	85	125			
Manganese	0.95	mg/L	0.010	95	85	125			
Molybdenum	1.0	mg/L	0.10	100	85	125			
Potassium	50	mg/L	0.50	100	85	125			
Sodium	51	mg/L	0.50	102	85	125			
Vanadium	1.0	mg/L	0.10	103	85	125			
Zinc	1.0	mg/L	0.010	102	85	125			
Sample ID: C08040699-001KMS2	Sample Matrix Spike				Run: SUB-C100675				05/05/08 11:04
Aluminum	4.44	mg/L	0.10	87	70	130			
Boron	4.80	mg/L	0.10	91	70	130			
Chromium	4.65	mg/L	0.050	91	70	130			
Iron	4.65	mg/L	0.030	90	70	130			
Manganese	4.70	mg/L	0.010	88	70	130			
Molybdenum	4.79	mg/L	0.10	94	70	130			
Vanadium	4.85	mg/L	0.10	95	70	130			
Zinc	4.90	mg/L	0.021	94	70	130			
Calcium	622	mg/L	1.0	91	70	130			
Magnesium	387	mg/L	1.0	91	70	130			
Potassium	251	mg/L	1.0	94	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040250

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R100675
Sample ID: C08040699-001KMS2	Sample Matrix Spike				Run: SUB-C100675				05/05/08 11:04
Silica	20.5	mg/L	0.29	74	70	130			
Sodium	364	mg/L	1.0	91	70	130			
Sample ID: C08040699-001KMSD2	Sample Matrix Spike Duplicate				Run: SUB-C100675				05/05/08 11:17
Aluminum	4.85	mg/L	0.10	95	70	130	8.8	20	
Boron	5.27	mg/L	0.10	100	70	130	9.2	20	
Chromium	5.04	mg/L	0.050	99	70	130	8.1	20	
Iron	5.01	mg/L	0.030	97	70	130	7.5	20	
Manganese	5.07	mg/L	0.010	96	70	130	7.6	20	
Molybdenum	5.07	mg/L	0.10	100	70	130	5.8	20	
Vanadium	5.26	mg/L	0.10	103	70	130	8.3	20	
Zinc	5.24	mg/L	0.021	101	70	130	6.6	20	
Calcium	670	mg/L	1.0	110	70	130	7.5	20	
Magnesium	420	mg/L	1.0	104	70	130	8.2	20	
Potassium	268	mg/L	1.0	101	70	130	6.7	20	
Silica	22.2	mg/L	0.29	107	70	130	8.1	20	
Sodium	390	mg/L	1.0	102	70	130	6.9	20	
Sample ID: R08040250-005C	Sample Matrix Spike				Run: SUB-C100675				05/05/08 14:25
Aluminum	1.92	mg/L	0.10	94	70	130			
Boron	2.08	mg/L	0.10	99	70	130			
Chromium	2.00	mg/L	0.050	98	70	130			
Iron	1.98	mg/L	0.030	97	70	130			
Manganese	1.97	mg/L	0.010	95	70	130			
Molybdenum	1.91	mg/L	0.10	94	70	130			
Vanadium	2.11	mg/L	0.10	104	70	130			
Zinc	2.10	mg/L	0.010	103	70	130			
Calcium	156	mg/L	1.0	105	70	130			
Magnesium	126	mg/L	1.0	108	70	130			
Potassium	110	mg/L	1.0	100	70	130			
Silica	9.99	mg/L	0.12	97	70	130			
Sodium	276	mg/L	1.0	94	70	130			
Sample ID: R08040250-005C	Sample Matrix Spike Duplicate				Run: SUB-C100675				05/05/08 14:28
Aluminum	1.89	mg/L	0.10	93	70	130	1.7	20	
Boron	2.06	mg/L	0.10	98	70	130	0.8	20	
Chromium	1.97	mg/L	0.050	97	70	130	1.4	20	
Iron	1.95	mg/L	0.030	96	70	130	1.6	20	
Manganese	1.95	mg/L	0.010	94	70	130	1.2	20	
Molybdenum	1.90	mg/L	0.10	93	70	130	0.5	20	
Vanadium	2.08	mg/L	0.10	102	70	130	1.8	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040250

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7								Batch: C_R100675	
Sample ID: R08040250-005C	Sample Matrix Spike Duplicate				Run: SUB-C100675			05/05/08 14:28	
Zinc	2.06	mg/L	0.010	101	70	130	1.7	20	
Calcium	153	mg/L	1.0	102	70	130	1.8	20	
Magnesium	124	mg/L	1.0	105	70	130	2.0	20	
Potassium	108	mg/L	1.0	98	70	130	1.7	20	
Silica	10.0	mg/L	0.12	97	70	130	0.2	20	
Sodium	271	mg/L	1.0	89	70	130	1.9	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040250

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18421
Sample ID: MB-18421	Method Blank				Run: SUB-C100440				05/01/08 01:04
Antimony	0.0002	mg/L	0.0002						
Arsenic	ND	mg/L	5E-05						
Barium	ND	mg/L	9E-05						
Beryllium	ND	mg/L	0.0001						
Cadmium	ND	mg/L	3E-05						
Chromium	0.001	mg/L	5E-05						
Copper	0.0007	mg/L	0.0001						
Lead	2E-05	mg/L							
Manganese	ND	mg/L	3E-05						
Molybdenum	ND	mg/L	5E-05						
Nickel	ND	mg/L	6E-05						
Selenium	ND	mg/L	0.0002						
Silver	4E-05	mg/L	4E-05						
Strontium	ND	mg/L	8E-05						
Thallium	ND	mg/L	3E-05						
Uranium	ND	mg/L	3E-05						
Zinc	0.0009	mg/L	0.0003						
Sample ID: LCS3-18421	Laboratory Control Sample				Run: SUB-C100440				05/01/08 01:11
Antimony	0.518	mg/L	0.050	104	85	115			
Arsenic	0.512	mg/L	0.0010	102	85	115			
Barium	0.522	mg/L	0.10	104	85	115			
Beryllium	0.242	mg/L	0.010	97	85	115			
Cadmium	0.257	mg/L	0.010	103	85	115			
Chromium	0.495	mg/L	0.050	99	85	115			
Copper	0.489	mg/L	0.010	98	85	115			
Lead	0.500	mg/L	0.050	100	85	115			
Manganese	2.58	mg/L	0.010	103	85	115			
Molybdenum	0.504	mg/L	0.10	101	85	115			
Nickel	0.500	mg/L	0.050	100	85	115			
Selenium	0.497	mg/L	0.0020	99	85	115			
Silver	0.0460	mg/L	0.010	92	85	115			
Strontium	0.505	mg/L	0.10	101	85	115			
Thallium	0.497	mg/L	0.10	99	85	115			
Uranium	0.486	mg/L	0.00032	97	85	115			
Zinc	0.498	mg/L	0.010	99	85	115			
Sample ID: R08040250-007D	Sample Matrix Spike				Run: SUB-C100440				05/01/08 04:06
Antimony	0.502	mg/L	0.050	100	70	130			
Arsenic	0.488	mg/L	0.0010	96	70	130			
Barium	0.503	mg/L	0.10	98	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040250

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18421
Sample ID: R08040250-007D	Sample Matrix Spike				Run: SUB-C100440				05/01/08 04:06
Beryllium	0.240	mg/L	0.010	96	70	130			
Cadmium	0.237	mg/L	0.010	95	70	130			
Chromium	0.469	mg/L	0.050	93	70	130			
Copper	0.462	mg/L	0.010	92	70	130			
Lead	0.471	mg/L	0.050	94	70	130			
Manganese	2.92	mg/L	0.010	99	70	130			
Molybdenum	0.483	mg/L	0.10	96	70	130			
Nickel	0.474	mg/L	0.050	94	70	130			
Selenium	0.461	mg/L	0.0020	92	70	130			
Silver	0.0432	mg/L	0.010	86	70	130			
Strontium	7.59	mg/L	0.10		70	130			A
Thallium	0.468	mg/L	0.10	94	70	130			
Uranium	0.504	mg/L	0.00032	95	70	130			
Zinc	0.486	mg/L	0.010	93	70	130			
Sample ID: R08040250-007D	Sample Matrix Spike Duplicate				Run: SUB-C100440				05/01/08 04:13
Antimony	0.498	mg/L	0.050	100	70	130	0.7	20	
Arsenic	0.495	mg/L	0.0010	98	70	130	1.4	20	
Barium	0.513	mg/L	0.10	100	70	130	2.0	20	
Beryllium	0.229	mg/L	0.010	92	70	130	4.6	20	
Cadmium	0.237	mg/L	0.010	95	70	130	0.0	20	
Chromium	0.471	mg/L	0.050	94	70	130	0.6	20	
Copper	0.459	mg/L	0.010	91	70	130	0.6	20	
Lead	0.472	mg/L	0.050	94	70	130	0.2	20	
Manganese	2.95	mg/L	0.010	100	70	130	1.2	20	
Molybdenum	0.477	mg/L	0.10	95	70	130	1.3	20	
Nickel	0.464	mg/L	0.050	92	70	130	2.0	20	
Selenium	0.459	mg/L	0.0020	92	70	130	0.4	20	
Silver	0.0431	mg/L	0.010	86	70	130	0.2	20	
Strontium	7.67	mg/L	0.10		70	130	1.0	20	A
Thallium	0.471	mg/L	0.10	94	70	130	0.5	20	
Uranium	0.500	mg/L	0.00032	94	70	130	0.9	20	
Zinc	0.481	mg/L	0.010	92	70	130	1.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

ENERGY LABORATORIES, INC. • 2821 Plant Street • Rapid City, SD 57702 • www.energylab.com
Toll Free 888.672.1225 • Voice 605.342.1225 • Fax 605.342.1397 • rapid_city@energylab.com

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040250

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18450
Sample ID: MB-18450	Method Blank				Run: SUB-C100604				05/05/08 05:17
Uranium	4E-05	mg/L	2E-05						
Sample ID: LCS1-18450	Laboratory Control Sample				Run: SUB-C100604				05/05/08 05:21
Uranium	0.0505	mg/L	0.00030	96	80	120			
Sample ID: R08040287-003I	Post Digestion Spike				Run: SUB-C100604				05/05/08 06:19
Uranium	0.0132	mg/L	0.00030	98	70	130			
Sample ID: R08040287-003I	Post Digestion Spike Duplicate				Run: SUB-C100604				05/05/08 06:23
Uranium	0.0135	mg/L	0.00030	100	70	130	2.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040250

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R100685
Sample ID: LRB	Method Blank				Run: SUB-C100685				05/05/08 13:42
Arsenic	ND	mg/L	6E-05						
Barium	ND	mg/L	3E-05						
Cadmium	ND	mg/L	1E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Mercury	ND	mg/L	8E-05						
Nickel	ND	mg/L	0.0007						
Thorium 232	8E-05	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C100685				05/05/08 13:48
Arsenic	0.0524	mg/L	0.0010	105	85	115			
Barium	0.0525	mg/L	0.0010	105	85	115			
Cadmium	0.0525	mg/L	0.0010	105	85	115			
Copper	0.0527	mg/L	0.0010	105	85	115			
Lead	0.0516	mg/L	0.0010	103	85	115			
Mercury	0.00519	mg/L	0.0010	104	85	115			
Nickel	0.0527	mg/L	0.0010	105	85	115			
Thorium 232	0.0509	mg/L	0.0010	102	85	115			
Uranium	0.0514	mg/L	0.00030	103	85	115			
Sample ID: R08040250-007C	Post Digestion Spike				Run: SUB-C100685				05/05/08 23:16
Arsenic	0.0602	mg/L	0.0010	106	70	130			
Barium	0.0776	mg/L	0.10	107	70	130			
Cadmium	0.0480	mg/L	0.010	96	70	130			
Copper	0.0495	mg/L	0.010	94	70	130			
Lead	0.0529	mg/L	0.050	106	70	130			
Mercury	0.00511	mg/L	0.0010	102	70	130			
Nickel	0.0568	mg/L	0.050	107	70	130			
Thorium 232	0.0561	mg/L	0.0010	112	70	130			
Uranium	0.0861	mg/L	0.00030	112	70	130			
Sample ID: R08040250-007C	Post Digestion Spike Duplicate				Run: SUB-C100685				05/05/08 23:23
Arsenic	0.0629	mg/L	0.0010	111	70	130	4.3	20	
Barium	0.0776	mg/L	0.10	107	70	130	0.0	20	
Cadmium	0.0491	mg/L	0.010	98	70	130	2.3	20	
Copper	0.0518	mg/L	0.010	99	70	130	4.6	20	
Lead	0.0528	mg/L	0.050	105	70	130	0.2	20	
Mercury	0.00518	mg/L	0.0010	104	70	130	1.3	20	
Nickel	0.0635	mg/L	0.050	121	70	130	11	20	
Thorium 232	0.0560	mg/L	0.0010	112	70	130	0.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040250

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R100685
Sample ID: R08040250-007C	Post Digestion Spike Duplicate				Run: SUB-C100685				05/05/08 23:23
Uranium	0.0857	mg/L	0.00030	111	70	130	0.5	20	
Sample ID: C08040936-001AMS	Sample Matrix Spike				Run: SUB-C100685				05/06/08 03:00
Arsenic	0.56	mg/L	0.0010	104	70	130			
Barium	0.54	mg/L	0.0010	103	70	130			
Cadmium	0.50	mg/L	0.0010	101	70	130			
Copper	0.49	mg/L	0.0015	98	70	130			
Lead	0.52	mg/L	0.0010	104	70	130			
Mercury	0.053	mg/L	0.0010	105	70	130			
Nickel	0.50	mg/L	0.0010	98	70	130			
Thorium 232	0.53	mg/L	0.0010	107	70	130			
Uranium	0.53	mg/L	0.00032	106	70	130			
Sample ID: C08040936-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C100685				05/06/08 03:07
Arsenic	0.56	mg/L	0.0010	104	70	130	0.5	20	
Barium	0.54	mg/L	0.0010	104	70	130	0.8	20	
Cadmium	0.50	mg/L	0.0010	101	70	130	0.2	20	
Copper	0.50	mg/L	0.0015	99	70	130	1.8	20	
Lead	0.52	mg/L	0.0010	104	70	130	0.3	20	
Mercury	0.043	mg/L	0.0010	87	70	130	19	20	
Nickel	0.51	mg/L	0.0010	100	70	130	2.3	20	
Thorium 232	0.53	mg/L	0.0010	106	70	130	0.2	20	
Uranium	0.53	mg/L	0.00032	106	70	130	0.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040250

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R100732
Sample ID: LRB	Method Blank				Run: SUB-C100732				05/06/08 11:52
Silver	5E-05	mg/L	3E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C100732				05/06/08 11:59
Silver	0.0211	mg/L	0.0010	105	85	115			
Sample ID: C08040928-001CMS4	Post Digestion Spike				Run: SUB-C100732				05/06/08 15:02
Silver	0.0129	mg/L	0.010	65	70	130			S
Sample ID: C08040928-001CMSD4	Post Digestion Spike Duplicate				Run: SUB-C100732				05/06/08 15:08
Silver	0.0134	mg/L	0.010	67	70	130	3.4	20	S
Sample ID: R08040287-001C	Post Digestion Spike				Run: SUB-C100732				05/07/08 01:51
Silver	0.0144	mg/L	0.010	72	70	130			
Sample ID: R08040287-001C	Post Digestion Spike Duplicate				Run: SUB-C100732				05/07/08 01:58
Silver	0.0151	mg/L	0.010	76	70	130	5.0	20	
Method: E245.1									Batch: C_B_32271
Sample ID: MB-32271	Method Blank				Run: SUB-C100762				05/06/08 16:10
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-32271	Laboratory Fortified Blank				Run: SUB-C100762				05/06/08 16:12
Mercury	0.0019	mg/L	0.0010	93	85	115			
Sample ID: B08050167-003CMS	Sample Matrix Spike				Run: SUB-C100762				05/06/08 16:22
Mercury	0.0019	mg/L	0.0010	97	70	130			
Sample ID: B08050167-003CMSD	Sample Matrix Spike Duplicate				Run: SUB-C100762				05/06/08 16:24
Mercury	0.0021	mg/L	0.0010	105	70	130	8.4	30	
Sample ID: B08050247-007DMS	Sample Matrix Spike				Run: SUB-C100762				05/06/08 16:55
Mercury	0.0020	mg/L	0.0010	102	70	130			
Sample ID: B08050247-007DMSD	Sample Matrix Spike Duplicate				Run: SUB-C100762				05/06/08 16:57
Mercury	0.0019	mg/L	0.0010	96	70	130	5.6	30	
Method: E245.1									Analytical Run: SUB-C100762
Sample ID: QCS	Initial Calibration Verification Standard								05/06/08 14:51
Mercury	0.0020	mg/L	0.0010	101	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040250

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: G_R159465
Sample ID: G08050354-007BMS	Sample Matrix Spike				Run: SUB-G159465				05/11/08 08:04
Chloride	1060	mg/L	2.1	100	80	120			
Fluoride	99.9	mg/L	0.18	101	80	120			
Sample ID: G08050354-007BMSD	Sample Matrix Spike Duplicate				Run: SUB-G159465				05/11/08 08:16
Chloride	1080	mg/L	2.1	102	80	120	1.8	20	
Fluoride	102	mg/L	0.18	103	80	120	1.7	20	
Method: E300.0									Batch: G_R159560
Sample ID: G08050374-001BMS	Sample Matrix Spike				Run: SUB-G159560				05/13/08 04:54
Sulfate	385	mg/L	1.0	100	80	120			
Sample ID: G08050374-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-G159560				05/13/08 05:06
Sulfate	382	mg/L	1.0	99	80	120	0.9	20	
Method: E353.2									Batch: A2008-04-23_3_NO2_01
Sample ID: MBLK-2	Method Blank				Run: TECHAA1-R_080423A				04/23/08 18:53
Nitrogen, Nitrite as N	ND	mg/L	0.02						
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA1-R_080423A				04/23/08 19:06
Nitrogen, Nitrite as N	0.249	mg/L	0.050	100	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA1-R_080423A				04/23/08 19:08
Nitrogen, Nitrite as N	0.282	mg/L	0.050	113	90	110			S
Sample ID: R08040244-001BMS	Sample Matrix Spike				Run: TECHAA1-R_080423A				04/23/08 19:21
Nitrogen, Nitrite as N	0.167	mg/L	0.050	67	90	110			S
Sample ID: R08040244-001BMSD	Sample Matrix Spike Duplicate				Run: TECHAA1-R_080423A				04/23/08 19:23
Nitrogen, Nitrite as N	0.171	mg/L	0.050	68	90	110	2.4	10	S
Sample ID: R08040250-006AMS	Sample Matrix Spike				Run: TECHAA1-R_080423A				04/23/08 19:47
Nitrogen, Nitrite as N	0.226	mg/L	0.050	90	90	110			
Sample ID: R08040250-006AMSD	Sample Matrix Spike Duplicate				Run: TECHAA1-R_080423A				04/23/08 19:49
Nitrogen, Nitrite as N	0.196	mg/L	0.050	78	90	110	14	10	SR

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040250

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0									Batch: C_GrAB-0439
Sample ID: MB-GrAB-0439	Method Blank				Run: SUB-C100919				05/09/08 01:51
Gross Alpha	-0.1	pCi/L							U
Gross Beta	-1	pCi/L							U
Sample ID: UNAT-GrAB-0439	Laboratory Control Sample				Run: SUB-C100919				05/09/08 01:51
Gross Alpha	250	pCi/L		100	70	130			
Sample ID: Cs137-GrAB-0439	Laboratory Control Sample				Run: SUB-C100919				05/09/08 01:51
Gross Beta	93	pCi/L		100	70	130			
Sample ID: C08041163-001BMS	Sample Matrix Spike				Run: SUB-C100919				05/09/08 01:51
Gross Alpha	260	pCi/L		102	70	130			
Sample ID: C08041163-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-C100919				05/09/08 01:51
Gross Alpha	240	pCi/L		96	70	130	6.6	15.8	
Sample ID: C08041163-001BMS	Sample Matrix Spike				Run: SUB-C100919				05/09/08 01:51
Gross Beta	94	pCi/L		101	70	130			
Sample ID: C08041163-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-C100919				05/09/08 01:51
Gross Beta	93	pCi/L		100	70	130	1.1	16.1	
Method: E901.1									Batch: C_R100708
Sample ID: LCS-R100708	Laboratory Control Sample				Run: SUB-C100708				05/01/08 17:22
Americium 241	720	pCi/L	20	88	70	130			
Cesium 137	1200	pCi/L	20	109	70	130			
Sample ID: MB-R100708	Method Blank				Run: SUB-C100708				05/01/08 17:22
Gross Gamma	ND	pCi/L							
Sample ID: C08041046-006ADUP	Sample Duplicate				Run: SUB-C100708				05/01/08 17:22
Gross Gamma	480	pCi/L	20				12	30	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040250

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: C_18450
Sample ID: C08041110-001AMS	Sample Matrix Spike				Run: SUB-C100770				05/06/08 15:27
Radium 226	125	pCi/Filter		101	70	130			
Sample ID: C08041110-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C100770				05/06/08 15:27
Radium 226	127	pCi/Filter		102	70	130	1.2	25.7	
Sample ID: LCS-18450	Laboratory Control Sample				Run: SUB-C100770				05/06/08 15:27
Radium 226	13	pCi/L		109	70	130			
Sample ID: MB-18450	Method Blank				Run: SUB-C100770				05/06/08 15:27
Radium 226	-2	pCi/L							U
Method: E903.0									Batch: C_RA226-2771
Sample ID: C08041060-002HMS	Sample Matrix Spike				Run: SUB-C101060				05/13/08 08:49
Radium 226	12	pCi/L		90	70	130			
Sample ID: C08041060-002HMSD	Sample Matrix Spike Duplicate				Run: SUB-C101060				05/13/08 08:49
Radium 226	12	pCi/L		93	70	130	2.4	21.9	
Sample ID: MB-RA226-2771	Method Blank				Run: SUB-C101060				05/13/08 13:15
Radium 226	-0.03	pCi/L							U
Sample ID: LCS-RA226-2771	Laboratory Control Sample				Run: SUB-C101060				05/13/08 13:15
Radium 226	5.3	pCi/L		83	70	130			
Method: E907.0									Batch: C_18450
Sample ID: C08041060-004IMS	Sample Matrix Spike				Run: SUB-C100959				05/01/08 15:30
Thorium 230	21.6	pCi/L	0.20	98	70	130			
Sample ID: C08041060-004IMSD	Sample Matrix Spike Duplicate				Run: SUB-C100959				05/01/08 15:30
Thorium 230	18.9	pCi/L	0.20	82	70	130	13	30	
Sample ID: LCS-18450	Laboratory Control Sample				Run: SUB-C100959				05/01/08 15:30
Thorium 230	47.0	pCi/L	0.20	98	70	130			
Sample ID: MB-18450	Method Blank				Run: SUB-C100959				05/01/08 15:30
Thorium 230	ND	pCi/L							

Qualifiers:

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040250

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: C_R100724
Sample ID: LCS-R100724	Laboratory Control Sample				Run: SUB-C100724				04/29/08 15:30
Thorium 230	7.20	pCi/L	0.20	103	70	130			
Sample ID: R08040287-001H	Sample Matrix Spike				Run: SUB-C100724				04/29/08 15:30
Thorium 230	9.50	pCi/L	0.20	97	70	130			
Sample ID: R08040287-001H	Sample Matrix Spike Duplicate				Run: SUB-C100724				04/29/08 15:30
Thorium 230	9.40	pCi/L	0.20	96	70	130	1.1	30	
Sample ID: MB-R100724	Method Blank				Run: SUB-C100724				04/29/08 15:30
Thorium 230	ND	pCi/L							
Method: E909.0M									Batch: C_18450
Sample ID: C08041052-003BMS	Sample Matrix Spike				Run: SUB-C101784				05/16/08 07:00
Lead 210	1000	pCi/L	1.0	85	70	130			
Sample ID: C08041052-003BMSD	Sample Matrix Spike Duplicate				Run: SUB-C101784				05/16/08 07:00
Lead 210	1200	pCi/L	1.0	101	70	130	18	30	
Sample ID: MB-R101784	Method Blank				Run: SUB-C101784				05/16/08 07:00
Lead 210	ND	pCi/L							
Sample ID: LCS-R101784	Laboratory Control Sample				Run: SUB-C101784				05/16/08 07:00
Lead 210	130	pCi/L	1.0	106	70	130			
Method: E909.0M									Batch: C_R102446
Sample ID: C08041052-001AMS	Sample Matrix Spike				Run: SUB-C102446				05/21/08 07:45
Lead 210	460	pCi/L	1.0	78	70	130			
Sample ID: C08041052-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C102446				05/21/08 07:45
Lead 210	500	pCi/L	1.0	85	70	130	9.1	30	
Sample ID: C08041052-006ADUP	Sample Duplicate				Run: SUB-C102446				05/21/08 07:45
Lead 210	ND	pCi/L	1.0				0.0	30	
Sample ID: MB-R102446	Method Blank				Run: SUB-C102446				05/21/08 07:45
Lead 210	ND	pCi/L							
Sample ID: LCS-R102446	Laboratory Control Sample				Run: SUB-C102446				05/21/08 07:45
Lead 210	130	pCi/L	1.0	109	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040250

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RMO-3008									Batch: C_R100704
Sample ID: R08040287-003I	Sample Matrix Spike				Run: SUB-C100704				05/01/08 14:15
Polonium 210	88	pCi/L	1.0	107	70	130			
Sample ID: R08040287-003I	Sample Matrix Spike Duplicate				Run: SUB-C100704				05/01/08 14:15
Polonium 210	89	pCi/L	1.0	107	70	130	0.8	30	
Sample ID: LCS-18424	Laboratory Control Sample				Run: SUB-C100704				05/01/08 14:15
Polonium 210	180	pCi/L	1.0	102	70	130			
Sample ID: MB-18424	Method Blank				Run: SUB-C100704				05/01/08 14:15
Polonium 210	0.5	pCi/L							U
Method: RMO-3008									Batch: C_R100887
Sample ID: R08040250-007H	Sample Matrix Spike				Run: SUB-C100887				05/06/08 17:00
Polonium 210	160	pCi/L	1.0	93	70	130			
Sample ID: R08040250-007H	Sample Matrix Spike Duplicate				Run: SUB-C100887				05/06/08 17:00
Polonium 210	220	pCi/L	1.0	125	70	130	30	30	
Sample ID: LCS-R100887	Laboratory Control Sample				Run: SUB-C100887				05/06/08 17:00
Polonium 210	93	pCi/L	1.0	106	70	130			
Sample ID: MB-R100887	Method Blank				Run: SUB-C100887				05/06/08 17:00
Polonium 210	0.8	pCi/L							

Qualifiers:

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

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.

ENERGY LABORATORIES

Company Name: RESPEC

Project Name, PWS #, Permit #, Etc.: PowerTech Dewey Burdock

Report Mail Address: RESPEC

Contact Name, Phone, Fax, E-mail: cory.foreman@respec.com

Sampler Name if other than Contact: Eric Krantz

Invoice Address: RESPEC

Invoice Contact & Phone #: cory.foreman@respec.com

Purchase Order #:

ELI Quote #:

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 _____

ANALYSIS REQUESTED

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

MATRIX

SEE ATTACHED

Normal Turnaround (TAT)

RUSH Turnaround (TAT)

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

Comments:
GW DENR monthly
All GW

Receipt Temp °C on ice

Custody Seal Y N
Intact
Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX		Lab ID
1	DewBurd GW 694	4/21/08	12:24	W	Set 30 schoolhouse NW	001
2	DewBurd GW 694	4/21/08	12:30	W	Set 27 schoolhouse NW	002
3	DewBurd GW 622	4/21/08	15:28	W	Set 18 big flag	003
4	DewBurd GW 615	4/21/08	16:16	W	Set 19 No2. well	004
5	DewBurd GW 689	4/21/08	19:50	W	Set 29 Dewey North	005
6	DewBurd GW 681	4/21/08	20:06	W	Set 1 Dewey Pump	006
7	DewBurd GW 680	4/21/08	21:21	W	Set 25 Burdock Pump	007
8						
9						
10						

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by: [signature] Date/Time: 4/22/08 0800

Relinquished by: Crystal M Hoskins Date/Time: 4/22/08 8:45

Shipped by:

Shipped by:

Received by: [signature] Date/Time: 4/22/08 8:00

Received by: [signature] Date/Time: 4-22-08 8:45

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

LABORATORY USE ONLY

Sample Type: _____ # of fractions _____

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, & links.

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ANALYTICAL SUMMARY REPORT

June 24, 2008

Cory Foreman
RESPEC Inc
3824 Jet Dr
Rapid City, SD 57701-

Workorder No.: R08040287 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 7 samples from RESPEC Inc on 4/23/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08040287-001	DewBurd GW695	04/22/08 12:46	04/23/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Mercury, Total Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Nitrogen, Nitrite Nitrogen, Nitrate + Nitrite Nitrogen, Nitrate Only Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved
R08040287-002	DewBurd GW688	04/22/08 13:26	04/23/08	Aqueous	Same As Above
R08040287-003	DewBurd GW3026	04/22/08 14:30	04/23/08	Aqueous	Same As Above
R08040287-004	DewBurd GW698	04/22/08 11:30	04/23/08	Aqueous	Same As Above
R08040287-005	DewBurd GW697	04/22/08 16:02	04/23/08	Aqueous	Same As Above

R08040287-006	DewBurd BLK01	04/22/08 15:57	04/23/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Conductivity Mercury, Total Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Nitrogen, Nitrite Nitrogen, Nitrate + Nitrite Nitrogen, Nitrate Only Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved

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R08040287-007	DewBurd GW696	04/22/08 16:58	04/23/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Mercury, Total Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Nitrogen, Nitrite Nitrogen, Nitrate + Nitrite Nitrogen, Nitrate Only Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved

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: Linda Larson

Linda Larson
Rapid City - Project Manager

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-001
Client Sample ID: DewBurd GW695

Report Date: 06/24/08
Collection Date: 04/22/08 12:46
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	174	mg/L		5		1	A2320 B	04/25/08 15:21/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/25/08 15:21/mb
Bicarbonate as HCO3	212	mg/L		5		1	A2320 B	04/25/08 15:21/mb
Calcium	50.1	mg/L		0.5		2	E200.7	05/08/08 21:29/eli-c
Chloride	11	mg/L		1		5	E300.0	05/10/08 21:58/eli-g
Fluoride	0.4	mg/L		0.1		5	E300.0	05/10/08 21:58/eli-g
Magnesium	17.6	mg/L		0.5		2	E200.7	05/08/08 21:29/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	04/28/08 16:23/jmh
Potassium	8.4	mg/L		0.5		2	E200.7	05/08/08 21:29/eli-c
Silica	3.9	mg/L		0.5		2	E200.7	05/08/08 21:29/eli-c
Sodium	251	mg/L	D	2		2	E200.7	05/08/08 21:29/eli-c
Sulfate	504	mg/L		1		5	E300.0	05/10/08 21:58/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1370	umhos/cm		5.0		1	A2510 B	04/28/08 12:49/tb
Oxidation-Reduction Potential	290	mV				1	A2580 B	04/24/08 00:00/tb
pH	8.08	s.u.		0.01		1	A4500-H B	04/28/08 10:42/tb
Sodium Adsorption Ratio (SAR)	7.8	unitless		0.10		1	Calculation	06/18/08 08:38/ADM
Solids, Total Dissolved TDS @ 180 C	910	mg/L		5		1	A2540 C	04/24/08 16:44/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/08/08 21:29/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	05/07/08 01:44/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/07/08 01:44/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/08/08 21:29/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/07/08 01:44/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/07/08 01:44/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/07/08 01:44/eli-c
Iron	ND	mg/L		0.03		2	E200.7	05/08/08 21:29/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/07/08 01:44/eli-c
Manganese	0.08	mg/L		0.01		1	E200.8	05/07/08 01:44/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/07/08 01:44/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	05/07/08 01:44/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/07/08 01:44/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/29/08 16:56/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/07/08 01:44/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/07/08 01:44/eli-c
Uranium	0.0029	mg/L		0.0003		1	E200.8	05/07/08 01:44/eli-c

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.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-001
Client Sample ID: DewBurd GW695

Report Date: 06/24/08
Collection Date: 04/22/08 12:46
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		1	E200.8	05/07/08 01:44/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/07/08 01:44/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	05/05/08 06:07/eli-c
NUTRIENT PARAMETERS								
Nitrogen, Nitrate as N	0.06	mg/L		0.05		1	E353.2	05/05/08 00:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.05		1	E353.2	04/24/08 12:15/jmh
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/29/08 13:29/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/29/08 16:56/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	29.4	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Alpha precision (±)	4.2	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Alpha MDC	3.7	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Beta	6.0	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Beta precision (±)	2.5	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Beta MDC	4.0	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Lead 210	-1.8	pCi/L	U	1.0		1	E909.0M	05/23/08 08:45/eli-c
Lead 210 precision (±)	11.9	pCi/L				1	E909.0M	05/23/08 08:45/eli-c
Polonium 210	1.6	pCi/L		1.0		1	RMO-3008	05/06/08 17:00/eli-c
Polonium 210 precision (±)	1.2	pCi/L				1	RMO-3008	05/06/08 17:00/eli-c
Radium 226	5.0	pCi/L				1	E903.0	05/13/08 11:18/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	05/13/08 11:18/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	05/13/08 11:18/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	04/29/08 15:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/29/08 15:30/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/01/08 17:22/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	05/01/08 17:22/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-2.1	pCi/L	U	1.0		1	E909.0M	05/16/08 07:00/eli-c
Lead 210 precision (±)	0.9	pCi/L				1	E909.0M	05/16/08 07:00/eli-c
Polonium 210	0.4	pCi/L	U	1.0		1	RMO-3008	05/01/08 14:15/eli-c
Polonium 210 precision (±)	0.38	pCi/L				1	RMO-3008	05/01/08 14:15/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-001
Client Sample ID: DewBurd GW695

Report Date: 06/24/08
Collection Date: 04/22/08 12:46
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226	-0.4	pCi/L	U			1	E903.0	05/06/08 15:27/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	05/06/08 15:27/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	05/06/08 15:27/eli-c
Thorium 230	0.3	pCi/L		0.2		1	E907.0	05/01/08 15:30/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	05/01/08 15:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	1400	pCi/L		100		1	D5072-92	04/25/08 16:30/eli-c
Radon 222 precision (±)	64.0	pCi/L				1	D5072-92	04/25/08 16:30/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	05/05/08 16:04/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	05/05/08 16:04/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/05/08 16:04/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	05/06/08 19:59/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/08/08 23:59/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/05/08 16:04/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/05/08 16:04/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/05/08 16:04/eli-c
Iron	0.14	mg/L		0.03		2	E200.7	05/08/08 23:59/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/05/08 16:04/eli-c
Manganese	0.08	mg/L		0.01		1	E200.8	05/05/08 16:04/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	05/06/08 17:00/eli-b
Mercury	ND	mg/L		0.001		1	E200.8	05/05/08 16:04/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	05/05/08 16:04/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/05/08 16:04/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	05/05/08 16:04/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/05/08 16:04/eli-c
Strontium	1.0	mg/L		0.1		1	E200.8	05/05/08 16:04/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/05/08 16:04/eli-c
Uranium	0.0032	mg/L		0.0003		1	E200.8	05/05/08 16:04/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/05/08 16:04/eli-c
DATA QUALITY								
A/C Balance (± 5)	2.68					1	A1030 E	06/18/08 00:00/ADM
Anions	14.3	meq/L				1	A1030 E	06/18/08 00:00/ADM
Cations	15.1	meq/L				1	A1030 E	06/18/08 00:00/ADM
Solids, Total Dissolved Calculated	957	mg/L				1	A1030 E	06/18/08 00:00/ADM

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-001
Client Sample ID: DewBurd GW695

Report Date: 06/24/08
Collection Date: 04/22/08 12:46
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
TDS Balance (0.80 - 1.20)	0.960					1	A1030 E	06/18/08 00:00/ADM

Report Definitions:
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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-002
Client Sample ID: DewBurd GW688

Report Date: 06/24/08
Collection Date: 04/22/08 13:26
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	90	mg/L		5		1	A2320 B	04/25/08 15:25/mb
Carbonate as CO3	17	mg/L		5		1	A2320 B	04/25/08 15:25/mb
Bicarbonate as HCO3	76	mg/L		5		1	A2320 B	04/25/08 15:25/mb
Calcium	50.1	mg/L		0.5		2	E200.7	05/08/08 21:33/eli-c
Chloride	10	mg/L		1		5	E300.0	05/10/08 22:09/eli-g
Fluoride	0.5	mg/L		0.1		5	E300.0	05/10/08 22:09/eli-g
Magnesium	20.5	mg/L		0.5		2	E200.7	05/08/08 21:33/eli-c
Nitrogen, Ammonia as N	0.1	mg/L		0.1		1	A4500-NH3 G	04/28/08 16:24/jmh
Potassium	12.2	mg/L		0.5		2	E200.7	05/08/08 21:33/eli-c
Silica	3.7	mg/L		0.5		2	E200.7	05/08/08 21:33/eli-c
Sodium	197	mg/L	D	2		2	E200.7	05/08/08 21:33/eli-c
Sulfate	390	mg/L		1		5	E300.0	05/10/08 22:09/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1070	umhos/cm		5.0		1	A2510 B	04/28/08 12:50/tb
Oxidation-Reduction Potential	280	mV				1	A2580 B	04/24/08 00:00/tb
pH	9.15	s.u.		0.01		1	A4500-H B	04/28/08 10:43/tb
Sodium Adsorption Ratio (SAR)	5.9	unitless		0.10		1	Calculation	06/18/08 08:38/ADM
Solids, Total Dissolved TDS @ 180 C	690	mg/L		5		1	A2540 C	04/24/08 16:45/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/08/08 21:33/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	05/07/08 02:05/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/07/08 02:05/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/08/08 21:33/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/07/08 02:05/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/07/08 02:05/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/07/08 02:05/eli-c
Iron	ND	mg/L		0.03		2	E200.7	05/08/08 21:33/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/07/08 02:05/eli-c
Manganese	0.06	mg/L		0.01		1	E200.8	05/07/08 02:05/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/07/08 02:05/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	05/07/08 02:05/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/07/08 02:05/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/29/08 17:02/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/07/08 02:05/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/07/08 02:05/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	05/07/08 02:05/eli-c

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.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-002
Client Sample ID: DewBurd GW688

Report Date: 06/24/08
Collection Date: 04/22/08 13:26
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		1	E200.8	05/07/08 02:05/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/07/08 02:05/eli-c
- The result for Manganese was confirmed by re-analysis.								
METALS - SUSPENDED								
Uranium	0.0147	mg/L		0.0003		1	E200.8	05/05/08 06:11/eli-c
NUTRIENT PARAMETERS								
Nitrogen, Nitrate as N	ND	mg/L		0.05		1	E353.2	05/05/08 00:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.05		1	E353.2	04/24/08 12:21/jmh
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/29/08 13:36/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/29/08 17:02/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	10.1	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Alpha precision (±)	2.8	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Alpha MDC	3.3	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Beta	16.9	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Beta precision (±)	2.4	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Beta MDC	3.5	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Lead 210	-2.7	pCi/L	U	1.0		1	E909.0M	05/23/08 08:45/eli-c
Lead 210 precision (±)	11.8	pCi/L				1	E909.0M	05/23/08 08:45/eli-c
Polonium 210	1.9	pCi/L		1.0		1	RMO-3008	05/06/08 17:00/eli-c
Polonium 210 precision (±)	1.4	pCi/L				1	RMO-3008	05/06/08 17:00/eli-c
Radium 226	1.2	pCi/L				1	E903.0	05/13/08 11:18/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	05/13/08 11:18/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	05/13/08 11:18/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	04/29/08 15:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/29/08 15:30/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/01/08 17:22/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	05/01/08 17:22/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-0.1	pCi/L	U	1.0		1	E909.0M	05/16/08 07:00/eli-c
Lead 210 precision (±)	0.5	pCi/L				1	E909.0M	05/16/08 07:00/eli-c
Polonium 210	0.4	pCi/L	U	1.0		1	RMO-3008	05/01/08 14:15/eli-c
Polonium 210 precision (±)	0.43	pCi/L				1	RMO-3008	05/01/08 14:15/eli-c

Report Definitions:
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QCL - Quality control limit.
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ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-002
Client Sample ID: DewBurd GW688

Report Date: 06/24/08
Collection Date: 04/22/08 13:26
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226	0.02	pCi/L	U			1	E903.0	05/06/08 15:27/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	05/06/08 15:27/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	05/06/08 15:27/eli-c
Thorium 230	15.9	pCi/L		0.2		1	E907.0	05/01/08 15:30/eli-c
Thorium 230 precision (±)	1.4	pCi/L				1	E907.0	05/01/08 15:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	307	pCi/L		100		1	D5072-92	04/25/08 16:30/eli-c
Radon 222 precision (±)	51.1	pCi/L				1	D5072-92	04/25/08 16:30/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	05/05/08 16:10/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	05/05/08 16:10/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/05/08 16:10/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	05/06/08 20:06/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/09/08 00:07/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/05/08 16:10/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/05/08 16:10/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/05/08 16:10/eli-c
Iron	0.05	mg/L		0.03		2	E200.7	05/09/08 00:07/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/05/08 16:10/eli-c
Manganese	0.01	mg/L		0.01		1	E200.8	05/05/08 16:10/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/05/08 16:10/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	05/06/08 17:02/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	05/05/08 16:10/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/05/08 16:10/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	05/05/08 16:10/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/05/08 16:10/eli-c
Strontium	1.2	mg/L		0.1		1	E200.8	05/05/08 16:10/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/05/08 16:10/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	05/05/08 16:10/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/05/08 16:10/eli-c
- The result for Manganese was confirmed by re-analysis.								
DATA QUALITY								
A/C Balance (± 5)	12.1					1	A1030 E	06/18/08 00:00/ADM
Anions	10.2	meq/L				1	A1030 E	06/18/08 00:00/ADM
Cations	13.1	meq/L				1	A1030 E	06/18/08 00:00/ADM
Solids, Total Dissolved Calculated	744	mg/L				1	A1030 E	06/18/08 00:00/ADM

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-002
Client Sample ID: DewBurd GW688

Report Date: 06/24/08
Collection Date: 04/22/08 13:26
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
TDS Balance (0.80 - 1.20)	0.920					1	A1030 E	06/18/08 00:00/ADM

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-003
Client Sample ID: DewBurd GW3026

Report Date: 06/24/08
Collection Date: 04/22/08 14:30
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	126	mg/L		5		1	A2320 B	04/25/08 15:28/mb
Carbonate as CO3	10	mg/L		5		1	A2320 B	04/25/08 15:28/mb
Bicarbonate as HCO3	134	mg/L		5		1	A2320 B	04/25/08 15:28/mb
Calcium	331	mg/L		0.5		2	E200.7	05/08/08 21:37/eli-c
Chloride	16	mg/L		1		5	E300.0	05/10/08 22:21/eli-g
Fluoride	0.4	mg/L		0.1		5	E300.0	05/10/08 22:21/eli-g
Magnesium	86.8	mg/L		0.5		2	E200.7	05/08/08 21:37/eli-c
Nitrogen, Ammonia as N	0.8	mg/L		0.1		1	A4500-NH3 G	04/28/08 16:30/jmh
Potassium	23.7	mg/L		0.5		2	E200.7	05/08/08 21:37/eli-c
Silica	2.1	mg/L		0.5		2	E200.7	05/08/08 21:37/eli-c
Sodium	284	mg/L	D	2		2	E200.7	05/08/08 21:37/eli-c
Sulfate	1520	mg/L		1		10	E300.0	05/12/08 15:43/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2730	umhos/cm		5.0		1	A2510 B	04/28/08 12:51/tb
Oxidation-Reduction Potential	240	mV				1	A2580 B	04/24/08 00:00/tb
pH	8.49	s.u.		0.01		1	A4500-H B	04/28/08 10:46/tb
Sodium Adsorption Ratio (SAR)	3.6	unitless		0.10		1	Calculation	06/18/08 08:38/ADM
Solids, Total Dissolved TDS @ 180 C	2300	mg/L		5		1	A2540 C	04/24/08 16:46/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/08/08 21:37/eli-c
Arsenic	0.012	mg/L		0.001		1	E200.8	05/07/08 02:12/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/07/08 02:12/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/08/08 21:37/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/07/08 02:12/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/07/08 02:12/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/07/08 02:12/eli-c
Iron	2.67	mg/L		0.03		2	E200.7	05/08/08 21:37/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/07/08 02:12/eli-c
Manganese	0.36	mg/L		0.01		1	E200.8	05/07/08 02:12/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/07/08 02:12/eli-c
Molybdenum	0.1	mg/L		0.1		1	E200.8	05/07/08 02:12/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/07/08 02:12/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/29/08 17:04/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/07/08 02:12/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/07/08 02:12/eli-c
Uranium	0.0150	mg/L		0.0003		1	E200.8	05/07/08 02:12/eli-c

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.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-003
Client Sample ID: DewBurd GW3026

Report Date: 06/24/08
Collection Date: 04/22/08 14:30
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		1	E200.8	05/07/08 02:12/eli-c
Zinc	0.01	mg/L		0.01		1	E200.8	05/07/08 02:12/eli-c
METALS - SUSPENDED								
Uranium	0.0010	mg/L		0.0003		1	E200.8	05/05/08 06:15/eli-c
NUTRIENT PARAMETERS								
Nitrogen, Nitrate as N	0.09	mg/L		0.05		1	E353.2	05/05/08 00:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.05		1	E353.2	04/24/08 12:23/jmh
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/29/08 13:39/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/29/08 17:04/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	43.8	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Alpha precision (±)	8.4	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Alpha MDC	8.6	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Beta	24.4	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Beta precision (±)	6.0	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Beta MDC	9.4	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	05/23/08 08:45/eli-c
Lead 210 precision (±)	11.9	pCi/L				1	E909.0M	05/23/08 08:45/eli-c
Polonium 210	0.2	pCi/L	U	1.0		1	RMO-3008	05/06/08 17:00/eli-c
Polonium 210 precision (±)	0.70	pCi/L				1	RMO-3008	05/06/08 17:00/eli-c
Radium 226	2.8	pCi/L				1	E903.0	05/13/08 11:18/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	05/13/08 11:18/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	05/13/08 11:18/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	04/29/08 15:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/29/08 15:30/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/01/08 17:22/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	05/01/08 17:22/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-8.2	pCi/L	U	1.0		1	E909.0M	05/16/08 07:00/eli-c
Lead 210 precision (±)	1.5	pCi/L				1	E909.0M	05/16/08 07:00/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	05/01/08 14:15/eli-c
Polonium 210 precision (±)	0.31	pCi/L				1	RMO-3008	05/01/08 14:15/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-003
Client Sample ID: DewBurd GW3026

Report Date: 06/24/08
Collection Date: 04/22/08 14:30
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226	0.1	pCi/L	U			1	E903.0	05/06/08 15:27/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	05/06/08 15:27/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	05/06/08 15:27/eli-c
Thorium 230	0.3	pCi/L		0.2		1	E907.0	05/01/08 15:30/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	05/01/08 15:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	304	pCi/L		100		1	D5072-92	04/25/08 16:30/eli-c
Radon 222 precision (±)	50.7	pCi/L				1	D5072-92	04/25/08 16:30/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	05/05/08 16:37/eli-c
Arsenic	0.022	mg/L		0.001		1	E200.8	05/05/08 16:37/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/05/08 16:37/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	05/06/08 20:13/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/09/08 00:11/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/05/08 16:37/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/05/08 16:37/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/05/08 16:37/eli-c
Iron	5.38	mg/L		0.03		2	E200.7	05/09/08 00:11/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/05/08 16:37/eli-c
Manganese	0.46	mg/L		0.01		1	E200.8	05/05/08 16:37/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/05/08 16:37/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	05/06/08 17:05/eli-b
Molybdenum	0.1	mg/L		0.1		1	E200.8	05/05/08 16:37/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/05/08 16:37/eli-c
Selenium	0.002	mg/L		0.001		1	E200.8	05/05/08 16:37/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/05/08 16:37/eli-c
Strontium	6.3	mg/L		0.1		1	E200.8	05/05/08 16:37/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/05/08 16:37/eli-c
Uranium	0.0196	mg/L		0.0003		1	E200.8	05/05/08 16:37/eli-c
Zinc	0.01	mg/L		0.01		1	E200.8	05/05/08 16:37/eli-c
DATA QUALITY								
A/C Balance (± 5)	3.12					1	A1030 E	06/18/08 00:00/ADM
Anions	34.6	meq/L				1	A1030 E	06/18/08 00:00/ADM
Cations	36.8	meq/L				1	A1030 E	06/18/08 00:00/ADM
Solids, Total Dissolved Calculated	2340	mg/L				1	A1030 E	06/18/08 00:00/ADM

Report Definitions:
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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: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-003
Client Sample ID: DewBurd GW3026

Report Date: 06/24/08
Collection Date: 04/22/08 14:30
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
TDS Balance (0.80 - 1.20)	0.990					1	A1030 E	06/18/08 00:00/ADM

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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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-004
Client Sample ID: DewBurd GW698

Report Date: 06/24/08
Collection Date: 04/22/08 11:30
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	120	mg/L		5		1	A2320 B	04/25/08 15:41/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/25/08 15:41/mb
Bicarbonate as HCO3	146	mg/L		5		1	A2320 B	04/25/08 15:41/mb
Calcium	366	mg/L		0.5		2	E200.7	05/08/08 21:41/eli-c
Chloride	9	mg/L		1		5	E300.0	05/10/08 22:33/eli-g
Fluoride	0.3	mg/L		0.1		5	E300.0	05/10/08 22:33/eli-g
Magnesium	129	mg/L		0.5		2	E200.7	05/08/08 21:41/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	04/28/08 16:33/jmh
Potassium	15.6	mg/L		0.5		2	E200.7	05/08/08 21:41/eli-c
Silica	4.8	mg/L		0.5		2	E200.7	05/08/08 21:41/eli-c
Sodium	89	mg/L	D	2		2	E200.7	05/08/08 21:41/eli-c
Sulfate	1450	mg/L		1		10	E300.0	05/12/08 15:54/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2420	umhos/cm		5.0		1	A2510 B	04/28/08 12:53/tb
Oxidation-Reduction Potential	110	mV				1	A2580 B	04/24/08 00:00/tb
pH	7.15	s.u.		0.01		1	A4500-H B	04/28/08 10:48/tb
Sodium Adsorption Ratio (SAR)	1.0	unitless		0.10		1	Calculation	06/18/08 08:38/ADM
Solids, Total Dissolved TDS @ 180 C	2300	mg/L		5		1	A2540 C	04/24/08 16:46/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/08/08 21:41/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	05/07/08 02:18/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/07/08 02:18/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/08/08 21:41/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/07/08 02:18/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/07/08 02:18/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/07/08 02:18/eli-c
Iron	2.49	mg/L		0.03		2	E200.7	05/08/08 21:41/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/07/08 02:18/eli-c
Manganese	2.39	mg/L		0.01		1	E200.8	05/07/08 02:18/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/07/08 02:18/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	05/07/08 02:18/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/07/08 02:18/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/29/08 17:07/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/07/08 02:18/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/07/08 02:18/eli-c
Uranium	0.110	mg/L		0.0003		1	E200.8	05/07/08 02:18/eli-c

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.
D - RL increased due to sample matrix interference.

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-004
Client Sample ID: DewBurd GW698

Report Date: 06/24/08
Collection Date: 04/22/08 11:30
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		1	E200.8	05/07/08 02:18/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/07/08 02:18/eli-c
METALS - SUSPENDED								
Uranium	0.0006	mg/L		0.0003		1	E200.8	05/05/08 06:48/eli-c
NUTRIENT PARAMETERS								
Nitrogen, Nitrate as N	0.09	mg/L		0.05		1	E353.2	05/05/08 00:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.05		1	E353.2	04/24/08 12:26/jmh
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/29/08 13:41/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/29/08 17:07/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	2110	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Alpha precision (±)	46.5	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Alpha MDC	8.3	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Beta	604	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Beta precision (±)	12.5	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Beta MDC	9.4	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Lead 210	-3.5	pCi/L	U	1.0		1	E909.0M	05/23/08 08:45/eli-c
Lead 210 precision (±)	11.8	pCi/L				1	E909.0M	05/23/08 08:45/eli-c
Polonium 210	1.4	pCi/L		1.0		1	RMO-3008	05/06/08 17:00/eli-c
Polonium 210 precision (±)	1.0	pCi/L				1	RMO-3008	05/06/08 17:00/eli-c
Radium 226	370	pCi/L				1	E903.0	05/13/08 11:18/eli-c
Radium 226 precision (±)	3.2	pCi/L				1	E903.0	05/13/08 11:18/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	05/13/08 11:18/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	04/29/08 15:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/29/08 15:30/eli-c
Gross Gamma	680	pCi/L		20		1	E901.1	05/01/08 17:22/eli-c
Gross Gamma precision (±)	54	pCi/L				1	E901.1	05/01/08 17:22/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	05/14/08 06:30/eli-c
Lead 210 precision (±)	1.5	pCi/L				1	E909.0M	05/14/08 06:30/eli-c
Polonium 210	-0.2	pCi/L	U	1.0		1	RMO-3008	05/06/08 12:00/eli-c
Polonium 210 precision (±)	0.48	pCi/L				1	RMO-3008	05/06/08 12:00/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-004
Client Sample ID: DewBurd GW698

Report Date: 06/24/08
Collection Date: 04/22/08 11:30
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226	6.4	pCi/L				1	E903.0	05/13/08 11:21/eli-c
Radium 226 precision (±)	0.7	pCi/L				1	E903.0	05/13/08 11:21/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	05/13/08 11:21/eli-c
Thorium 230	0.2	pCi/L		0.2		1	E907.0	05/02/08 15:30/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	05/02/08 15:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	25800	pCi/L		100		1	D5072-92	04/25/08 16:30/eli-c
Radon 222 precision (±)	193	pCi/L				1	D5072-92	04/25/08 16:30/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	05/05/08 16:44/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	05/05/08 16:44/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/05/08 16:44/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	05/07/08 21:26/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/09/08 00:15/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/05/08 16:44/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/05/08 16:44/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/05/08 16:44/eli-c
Iron	4.53	mg/L		0.03		2	E200.7	05/09/08 00:15/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/05/08 16:44/eli-c
Manganese	2.50	mg/L		0.01		1	E200.8	05/05/08 16:44/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/05/08 16:44/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	05/06/08 17:07/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	05/05/08 16:44/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/05/08 16:44/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	05/05/08 16:44/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/05/08 16:44/eli-c
Strontium	5.2	mg/L		0.1		1	E200.8	05/05/08 16:44/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/05/08 16:44/eli-c
Uranium	0.119	mg/L		0.0003		1	E200.8	05/05/08 16:44/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/05/08 16:44/eli-c
DATA QUALITY								
A/C Balance (± 5)	0.920					1	A1030 E	06/18/08 00:00/ADM
Anions	32.8	meq/L				1	A1030 E	06/18/08 00:00/ADM
Cations	33.4	meq/L				1	A1030 E	06/18/08 00:00/ADM
Solids, Total Dissolved Calculated	2140	mg/L				1	A1030 E	06/18/08 00:00/ADM

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ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-004
Client Sample ID: DewBurd GW698

Report Date: 06/24/08
Collection Date: 04/22/08 11:30
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
TDS Balance (0.80 - 1.20)	1.05					1	A1030 E	06/18/08 00:00/ADM

Report Definitions:
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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-005
Client Sample ID: DewBurd GW697

Report Date: 06/24/08
Collection Date: 04/22/08 16:02
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	166	mg/L		5		1	A2320 B	04/25/08 15:44/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/25/08 15:44/mb
Bicarbonate as HCO3	202	mg/L		5		1	A2320 B	04/25/08 15:44/mb
Calcium	50.6	mg/L		0.5		2	E200.7	05/08/08 22:42/eli-c
Chloride	8	mg/L		1		5	E300.0	05/10/08 22:44/eli-g
Fluoride	0.5	mg/L		0.1		5	E300.0	05/10/08 22:44/eli-g
Magnesium	17.3	mg/L		0.5		2	E200.7	05/08/08 22:42/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	04/28/08 16:34/jmh
Potassium	8.5	mg/L		0.5		2	E200.7	05/08/08 22:42/eli-c
Silica	4.0	mg/L		0.5		2	E200.7	05/08/08 22:42/eli-c
Sodium	215	mg/L	D	2		2	E200.7	05/08/08 22:42/eli-c
Sulfate	430	mg/L		1		5	E300.0	05/10/08 22:44/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1230	umhos/cm		5.0		1	A2510 B	04/28/08 12:54/tb
Oxidation-Reduction Potential	320	mV				1	A2580 B	04/24/08 00:00/tb
pH	8.07	s.u.		0.01		1	A4500-H B	04/28/08 10:49/tb
Sodium Adsorption Ratio (SAR)	6.6	unitless		0.10		1	Calculation	06/18/08 08:38/ADM
Solids, Total Dissolved TDS @ 180 C	810	mg/L		5		1	A2540 C	04/25/08 13:10/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		1	E200.8	05/08/08 13:28/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	05/07/08 02:25/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/07/08 02:25/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/08/08 22:42/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/07/08 02:25/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/07/08 02:25/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/07/08 02:25/eli-c
Iron	0.04	mg/L		0.03		2	E200.7	05/08/08 22:42/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/07/08 02:25/eli-c
Manganese	0.05	mg/L		0.01		1	E200.8	05/07/08 02:25/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/07/08 02:25/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	05/07/08 02:25/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/07/08 02:25/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/29/08 17:09/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/07/08 02:25/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/07/08 02:25/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	05/07/08 02:25/eli-c

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.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-005
Client Sample ID: DewBurd GW697

Report Date: 06/24/08
Collection Date: 04/22/08 16:02
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		1	E200.8	05/07/08 02:25/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/07/08 02:25/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	05/05/08 06:52/eli-c
NUTRIENT PARAMETERS								
Nitrogen, Nitrate as N	ND	mg/L		0.05		1	E353.2	05/05/08 00:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.05		1	E353.2	04/24/08 12:28/jmh
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/29/08 13:43/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/29/08 17:09/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	8.4	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Alpha precision (±)	2.7	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Alpha MDC	3.3	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Beta	8.4	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Beta precision (±)	2.5	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Beta MDC	4.0	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Lead 210	-0.7	pCi/L	U	1.0		1	E909.0M	05/23/08 08:45/eli-c
Lead 210 precision (±)	11.9	pCi/L				1	E909.0M	05/23/08 08:45/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	05/06/08 17:00/eli-c
Polonium 210 precision (±)	0.40	pCi/L				1	RMO-3008	05/06/08 17:00/eli-c
Radium 226	1.7	pCi/L				1	E903.0	05/13/08 11:18/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	05/13/08 11:18/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	05/13/08 11:18/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	04/29/08 15:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/29/08 15:30/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/01/08 17:22/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	05/01/08 17:22/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	05/14/08 06:30/eli-c
Lead 210 precision (±)	1.2	pCi/L				1	E909.0M	05/14/08 06:30/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	05/06/08 12:00/eli-c
Polonium 210 precision (±)	0.24	pCi/L				1	RMO-3008	05/06/08 12:00/eli-c

Report Definitions:
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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: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-005
Client Sample ID: DewBurd GW697

Report Date: 06/24/08
Collection Date: 04/22/08 16:02
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226	-0.1	pCi/L	U			1	E903.0	05/13/08 11:21/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	05/13/08 11:21/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	05/13/08 11:21/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	05/02/08 15:30/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	05/02/08 15:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	284	pCi/L		100		1	D5072-92	04/25/08 16:30/eli-c
Radon 222 precision (±)	49.9	pCi/L				1	D5072-92	04/25/08 16:30/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	05/05/08 16:51/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	05/05/08 16:51/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/05/08 16:51/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	05/07/08 21:34/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/09/08 01:07/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/05/08 16:51/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/05/08 16:51/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/05/08 16:51/eli-c
Iron	0.05	mg/L		0.03		2	E200.7	05/09/08 01:07/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/05/08 16:51/eli-c
Manganese	0.06	mg/L		0.01		1	E200.8	05/05/08 16:51/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/05/08 16:51/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	05/06/08 17:09/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	05/05/08 16:51/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/05/08 16:51/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	05/05/08 16:51/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/05/08 16:51/eli-c
Strontium	1.3	mg/L		0.1		1	E200.8	05/05/08 16:51/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/05/08 16:51/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	05/05/08 16:51/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/05/08 16:51/eli-c
DATA QUALITY								
A/C Balance (± 5)	3.91					1	A1030 E	06/18/08 00:00/ADM
Anions	12.5	meq/L				1	A1030 E	06/18/08 00:00/ADM
Cations	13.5	meq/L				1	A1030 E	06/18/08 00:00/ADM
Solids, Total Dissolved Calculated	840	mg/L				1	A1030 E	06/18/08 00:00/ADM

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: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-005
Client Sample ID: DewBurd GW697

Report Date: 06/24/08
Collection Date: 04/22/08 16:02
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
TDS Balance (0.80 - 1.20)	0.970					1	A1030 E	06/18/08 00:00/ADM

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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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-006
Client Sample ID: DewBurd BLK01

Report Date: 06/24/08
Collection Date: 04/22/08 15:57
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	ND	mg/L		5		1	A2320 B	04/25/08 15:46/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/25/08 15:46/mb
Bicarbonate as HCO3	ND	mg/L		5		1	A2320 B	04/25/08 15:46/mb
Calcium	ND	mg/L		0.5		2	E200.7	05/08/08 22:50/eli-c
Chloride	ND	mg/L		1		1	E300.0	05/10/08 22:56/eli-g
Fluoride	ND	mg/L		0.1		1	E300.0	05/10/08 22:56/eli-g
Magnesium	ND	mg/L		0.5		2	E200.7	05/08/08 22:50/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	04/28/08 16:36/jmh
Potassium	ND	mg/L		0.5		2	E200.7	05/08/08 22:50/eli-c
Silica	ND	mg/L		0.5		2	E200.7	05/08/08 22:50/eli-c
Sodium	ND	mg/L	D	2		2	E200.7	05/08/08 22:50/eli-c
Sulfate	ND	mg/L		1		1	E300.0	05/10/08 22:56/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	ND	umhos/cm		5.0		1	A2510 B	04/28/08 12:56/tb
Oxidation-Reduction Potential	350	mV				1	A2580 B	04/24/08 00:00/tb
pH	5.67	s.u.		0.01		1	A4500-H B	04/28/08 10:51/tb
Sodium Adsorption Ratio (SAR)	ND	unitless		0.10		1	0	06/18/08 08:38/ADM
Solids, Total Dissolved TDS @ 180 C	6	mg/L		5		1	A2540 C	04/24/08 16:48/mb
- SAR calculations may not be appropriate for near blank results.								
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/08/08 22:50/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	05/07/08 02:32/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/07/08 02:32/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/08/08 22:50/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/07/08 02:32/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/07/08 02:32/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/07/08 02:32/eli-c
Iron	ND	mg/L		0.03		2	E200.7	05/08/08 22:50/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/07/08 02:32/eli-c
Manganese	ND	mg/L		0.01		1	E200.8	05/07/08 02:32/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/07/08 02:32/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	05/07/08 02:32/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/07/08 02:32/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/29/08 17:11/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/07/08 02:32/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/07/08 02:32/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	05/07/08 02:32/eli-c

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.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-006
Client Sample ID: DewBurd BLK01

Report Date: 06/24/08
Collection Date: 04/22/08 15:57
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		1	E200.8	05/07/08 02:32/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/07/08 02:32/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	05/05/08 06:56/eli-c
NUTRIENT PARAMETERS								
Nitrogen, Nitrate as N	ND	mg/L		0.05		1	E353.2	05/05/08 00:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.05		1	E353.2	04/24/08 12:30/jmh
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/29/08 13:45/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/29/08 17:11/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	-0.04	pCi/L	U			1	E900.0	05/12/08 04:34/eli-c
Gross Alpha precision (±)	0.6	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Alpha MDC	1	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Beta	-3	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Beta precision (±)	1.5	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Beta MDC	2.6	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	05/23/08 08:45/eli-c
Lead 210 precision (±)	11.9	pCi/L				1	E909.0M	05/23/08 08:45/eli-c
Polonium 210	1.1	pCi/L		1.0		1	RMO-3008	05/06/08 17:00/eli-c
Polonium 210 precision (±)	1.0	pCi/L				1	RMO-3008	05/06/08 17:00/eli-c
Radium 226	0.3	pCi/L				1	E903.0	05/13/08 13:15/eli-c
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	05/13/08 13:15/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	05/13/08 13:15/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	04/29/08 15:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/29/08 15:30/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/01/08 17:22/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	05/01/08 17:22/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-1.7	pCi/L	U	1.0		1	E909.0M	05/14/08 06:30/eli-c
Lead 210 precision (±)	1.4	pCi/L				1	E909.0M	05/14/08 06:30/eli-c
Polonium 210	0.5	pCi/L	U	1.0		1	RMO-3008	05/06/08 12:00/eli-c
Polonium 210 precision (±)	0.45	pCi/L				1	RMO-3008	05/06/08 12:00/eli-c

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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: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-006
Client Sample ID: DewBurd BLK01

Report Date: 06/24/08
Collection Date: 04/22/08 15:57
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226	-0.2	pCi/L	U			1	E903.0	05/13/08 11:21/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	05/13/08 11:21/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	05/13/08 11:21/eli-c
Thorium 230	0.4	pCi/L		0.2		1	E907.0	05/02/08 15:30/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	05/02/08 15:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	121	pCi/L		100		1	D5072-92	04/25/08 16:30/eli-c
Radon 222 precision (±)	47.8	pCi/L				1	D5072-92	04/25/08 16:30/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	05/05/08 16:58/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	05/05/08 16:58/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/05/08 16:58/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	05/07/08 21:41/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/09/08 01:12/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/05/08 16:58/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/05/08 16:58/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/05/08 16:58/eli-c
Iron	ND	mg/L		0.03		2	E200.7	05/09/08 01:12/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/05/08 16:58/eli-c
Manganese	ND	mg/L		0.01		1	E200.8	05/05/08 16:58/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/05/08 16:58/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	05/06/08 17:12/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	05/05/08 16:58/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/05/08 16:58/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	05/05/08 16:58/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/05/08 16:58/eli-c
Strontium	ND	mg/L		0.1		1	E200.8	05/05/08 16:58/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/05/08 16:58/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	05/05/08 16:58/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/05/08 16:58/eli-c

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: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-007
Client Sample ID: DewBurd GW696

Report Date: 06/24/08
Collection Date: 04/22/08 16:58
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	182	mg/L		5		1	A2320 B	04/25/08 15:49/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	04/25/08 15:49/mb
Bicarbonate as HCO3	222	mg/L		5		1	A2320 B	04/25/08 15:49/mb
Calcium	29.9	mg/L		0.5		2	E200.7	05/08/08 22:54/eli-c
Chloride	12	mg/L		1		5	E300.0	05/10/08 23:08/eli-g
Fluoride	0.3	mg/L		0.1		5	E300.0	05/10/08 23:08/eli-g
Magnesium	10.4	mg/L		0.5		2	E200.7	05/08/08 22:54/eli-c
Nitrogen, Ammonia as N	0.4	mg/L		0.1		1	A4500-NH3 G	04/28/08 16:37/jmh
Potassium	9.3	mg/L		0.5		2	E200.7	05/08/08 22:54/eli-c
Silica	4.4	mg/L		0.5		2	E200.7	05/08/08 22:54/eli-c
Sodium	293	mg/L	D	2		2	E200.7	05/08/08 22:54/eli-c
Sulfate	475	mg/L		1		5	E300.0	05/10/08 23:08/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1410	umhos/cm		5.0		1	A2510 B	04/28/08 12:58/tb
Oxidation-Reduction Potential	200	mV				1	A2580 B	04/24/08 00:00/tb
pH	8.47	s.u.		0.01		1	A4500-H B	04/28/08 10:52/tb
Sodium Adsorption Ratio (SAR)	12	unitless		0.10		1	Calculation	06/18/08 08:38/ADM
Solids, Total Dissolved TDS @ 180 C	930	mg/L		5		1	A2540 C	04/24/08 16:48/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/08/08 22:54/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	05/07/08 02:39/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/07/08 02:39/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/08/08 22:54/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/07/08 02:39/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/07/08 02:39/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/07/08 02:39/eli-c
Iron	0.07	mg/L		0.03		2	E200.7	05/08/08 22:54/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/07/08 02:39/eli-c
Manganese	0.06	mg/L		0.01		1	E200.8	05/07/08 02:39/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/07/08 02:39/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	05/07/08 02:39/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/07/08 02:39/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	04/29/08 17:13/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/07/08 02:39/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/07/08 02:39/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	05/07/08 02:39/eli-c

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.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-007
Client Sample ID: DewBurd GW696

Report Date: 06/24/08
Collection Date: 04/22/08 16:58
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		1	E200.8	05/07/08 02:39/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/07/08 02:39/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	05/05/08 07:00/eli-c
NUTRIENT PARAMETERS								
Nitrogen, Nitrate as N	ND	mg/L		0.05		1	E353.2	05/05/08 00:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.05		1	E353.2	04/24/08 12:32/jmh
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	04/29/08 13:47/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	04/29/08 17:13/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	5.2	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Alpha precision (±)	2.7	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Alpha MDC	3.8	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Beta	10.7	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Beta precision (±)	2.6	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Gross Beta MDC	4.1	pCi/L				1	E900.0	05/12/08 04:34/eli-c
Lead 210	-4.9	pCi/L	U	1.0		1	E909.0M	05/23/08 08:45/eli-c
Lead 210 precision (±)	11.8	pCi/L				1	E909.0M	05/23/08 08:45/eli-c
Polonium 210	0.9	pCi/L	U	1.0		1	RMO-3008	05/06/08 17:00/eli-c
Polonium 210 precision (±)	1.1	pCi/L				1	RMO-3008	05/06/08 17:00/eli-c
Radium 226	0.5	pCi/L				1	E903.0	05/13/08 13:15/eli-c
Radium 226 precision (±)	0.1	pCi/L				1	E903.0	05/13/08 13:15/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	05/13/08 13:15/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	04/29/08 15:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	04/29/08 15:30/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/01/08 17:22/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	05/01/08 17:22/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	05/14/08 06:30/eli-c
Lead 210 precision (±)	1.5	pCi/L				1	E909.0M	05/14/08 06:30/eli-c
Polonium 210	0.6	pCi/L	U	1.0		1	RMO-3008	05/06/08 12:00/eli-c
Polonium 210 precision (±)	0.55	pCi/L				1	RMO-3008	05/06/08 12:00/eli-c

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: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-007
Client Sample ID: DewBurd GW696

Report Date: 06/24/08
Collection Date: 04/22/08 16:58
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226	-0.2	pCi/L	U			1	E903.0	05/13/08 11:21/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	05/13/08 11:21/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	05/13/08 11:21/eli-c
Thorium 230	0.2	pCi/L	U	0.2		1	E907.0	05/02/08 15:30/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	05/02/08 15:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	185	pCi/L		100		1	D5072-92	04/25/08 16:30/eli-c
Radon 222 precision (±)	48.3	pCi/L				1	D5072-92	04/25/08 16:30/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	05/05/08 17:04/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	05/05/08 17:04/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/05/08 17:04/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	05/07/08 22:11/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/09/08 01:16/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/05/08 17:04/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/05/08 17:04/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/05/08 17:04/eli-c
Iron	0.08	mg/L		0.03		2	E200.7	05/09/08 01:16/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/05/08 17:04/eli-c
Manganese	0.06	mg/L		0.01		1	E200.8	05/05/08 17:04/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/05/08 17:04/eli-c
Mercury	ND	mg/L		0.001		1	E245.1	05/06/08 17:19/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	05/05/08 17:04/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/05/08 17:04/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	05/05/08 17:04/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/05/08 17:04/eli-c
Strontium	0.8	mg/L		0.1		1	E200.8	05/05/08 17:04/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/05/08 17:04/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	05/05/08 17:04/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/05/08 17:04/eli-c
DATA QUALITY								
A/C Balance (± 5)	5.13					1	A1030 E	06/18/08 00:00/ADM
Anions	13.9	meq/L				1	A1030 E	06/18/08 00:00/ADM
Cations	15.4	meq/L				1	A1030 E	06/18/08 00:00/ADM
Solids, Total Dissolved Calculated	951	mg/L				1	A1030 E	06/18/08 00:00/ADM

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: RESPEC Inc
Project: Edgemont
Lab ID: R08040287-007
Client Sample ID: DewBurd GW696

Report Date: 06/24/08
Collection Date: 04/22/08 16:58
Date Received: 04/23/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
TDS Balance (0.80 - 1.20)	0.980					1	A1030 E	06/18/08 00:00/ADM

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.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040287

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 080425A-ALK-SEL-W	
Sample ID: LCS1_080425A	Laboratory Control Sample				Run: PH_COND1-R_080425B			04/25/08 15:16	
Alkalinity, Total as CaCO3	952	mg/L	5.0	95	90	110			
Sample ID: MBLK1_080425A	Method Blank				Run: PH_COND1-R_080425B			04/25/08 15:18	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Sample ID: R08040290-005BMS	Sample Matrix Spike				Run: PH_COND1-R_080425B			04/25/08 16:14	
Alkalinity, Total as CaCO3	1220	mg/L	5.0	115	80	120			
Sample ID: R08040290-005BMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_080425B			04/25/08 16:18	
Alkalinity, Total as CaCO3	1240	mg/L	5.0	121	80	120	1.0	10	S
Method: A2510 B								Batch: 080428_1_COND-PROBE-W	
Sample ID: LCS1-1_080428	Laboratory Control Sample				Run: PH_COND2-R_080428B			04/28/08 11:49	
Conductivity @ 25 C	143	umhos/cm	5.0	95	90	110			
Sample ID: LCS2-1_080428	Laboratory Control Sample				Run: PH_COND2-R_080428B			04/28/08 11:50	
Conductivity @ 25 C	4960	umhos/cm	5.0	99	90	110			
Sample ID: LCS_COND-1_080428	Laboratory Control Sample				Run: PH_COND2-R_080428B			04/28/08 11:51	
Conductivity @ 25 C	1410	umhos/cm	5.0	100	90	110			
Sample ID: MBLK-1_080428	Method Blank				Run: PH_COND2-R_080428B			04/28/08 11:52	
Conductivity @ 25 C	ND	umhos/cm	5						
Sample ID: R08040287-005ADUP	Sample Duplicate				Run: PH_COND2-R_080428B			04/28/08 12:56	
Conductivity @ 25 C	1240	umhos/cm	5.0				0.8	10	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040287

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2540 C								Batch: 080424A-SLDS-TDS-W	
Sample ID: LCS1_080424A	Laboratory Control Sample				Run: BAL-4-R_080424B			04/24/08 16:32	
Solids, Total Dissolved TDS @ 180 C	210	mg/L	5.0	104	90	110			
Sample ID: MBLK1_080424A	Method Blank				Run: BAL-4-R_080424B			04/24/08 16:33	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: R08040273-002AMS	Sample Matrix Spike				Run: BAL-4-R_080424B			04/24/08 16:40	
Solids, Total Dissolved TDS @ 180 C	350	mg/L	5.0	102	80	120			
Sample ID: R08040273-002AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080424B			04/24/08 16:40	
Solids, Total Dissolved TDS @ 180 C	350	mg/L	5.0	104	80	120	1.1	10	
Sample ID: R08040290-009BMS	Sample Matrix Spike				Run: BAL-4-R_080424B			04/24/08 16:52	
Solids, Total Dissolved TDS @ 180 C	18000	mg/L	5.0	232	80	120			S
Sample ID: R08040290-009BMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080424B			04/24/08 16:53	
Solids, Total Dissolved TDS @ 180 C	18000	mg/L	5.0	252	80	120	0.2	10	S
Method: A3114 B								Analytical Run: SUB-C100349	
Sample ID: 288-66-6	Initial Calibration Verification Standard							04/29/08 12:37	
Selenium-IV	0.050	mg/L	0.0010	100	90	110			
Method: A3114 B								Batch: C_SE3114-080429B	
Sample ID: MBLK	Method Blank				Run: SUB-C100349			04/29/08 12:43	
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-66-6	Laboratory Control Sample				Run: SUB-C100349			04/29/08 12:45	
Selenium-IV	0.051	mg/L	0.0010	102	90	110			
Sample ID: R08040287-001E	Sample Matrix Spike				Run: SUB-C100349			04/29/08 13:31	
Selenium-IV	0.049	mg/L	0.0010	98	85	115			
Sample ID: R08040287-001E	Sample Matrix Spike Duplicate				Run: SUB-C100349			04/29/08 13:34	
Selenium-IV	0.050	mg/L	0.0010	100	85	115	1.8	10	

Qualifiers:

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S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040287

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B									Batch: C_SE3114-080429D
Sample ID: MBLK	Method Blank				Run: SUB-C100378				04/29/08 16:10
Selenium	ND	mg/L	6E-05						
Sample ID: 288-66-6	Laboratory Control Sample				Run: SUB-C100378				04/29/08 16:12
Selenium	0.053	mg/L	0.0010	107	90	110			
Sample ID: R08040287-001E	Sample Matrix Spike				Run: SUB-C100378				04/29/08 16:58
Selenium	0.054	mg/L	0.0010	107	85	115			
Sample ID: R08040287-001E	Sample Matrix Spike Duplicate				Run: SUB-C100378				04/29/08 17:00
Selenium	0.052	mg/L	0.0010	105	85	115	2.3	10	
Method: A4500-H B									Batch: 080428_1_PH-W
Sample ID: LCS_pH-1_080428	Laboratory Control Sample				Run: PH_COND2-R_080428A				04/28/08 10:25
pH	6.93	s.u.	0.010	101	98.55	101.45			
Sample ID: R08040287-002ADUP	Sample Duplicate				Run: PH_COND2-R_080428A				04/28/08 10:45
pH	9.16	s.u.	0.010				0.1	1.25	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040287

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G								Batch: A2008-04-28_2_NH3_01	
Sample ID: MBLK-2	Method Blank				Run: TECHAA2-R_080428A			04/28/08 15:00	
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_080428A			04/28/08 15:01	
Nitrogen, Ammonia as N	0.26	mg/L	0.10	104	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_080428A			04/28/08 15:02	
Nitrogen, Ammonia as N	0.25	mg/L	0.10	100	90	110			
Sample ID: R08040273-003CMS	Sample Matrix Spike				Run: TECHAA2-R_080428A			04/28/08 16:15	
Nitrogen, Ammonia as N	0.21	mg/L	0.10	86	80	120			
Sample ID: R08040273-003CMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080428A			04/28/08 16:16	
Nitrogen, Ammonia as N	0.24	mg/L	0.10	94	80	120	9.8	10	
Sample ID: R08040287-003BMS	Sample Matrix Spike				Run: TECHAA2-R_080428A			04/28/08 16:31	
Nitrogen, Ammonia as N	1.0	mg/L	0.10	89	80	120			
Sample ID: R08040287-003BMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080428A			04/28/08 16:32	
Nitrogen, Ammonia as N	1.0	mg/L	0.10	81	80	120	2.0	10	
Sample ID: R08040290-004EMS	Sample Matrix Spike				Run: TECHAA2-R_080428A			04/28/08 17:01	
Nitrogen, Ammonia as N	0.89	mg/L	0.10	55	80	120			S
Sample ID: R08040290-004EMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080428A			04/28/08 17:02	
Nitrogen, Ammonia as N	0.94	mg/L	0.10	77	80	120	6.0	10	S
Method: D5072-92								Batch: C_R100290	
Sample ID: C08041066-001ADUP	Sample Duplicate				Run: SUB-C100290			04/24/08 13:29	
Radon 222	2010	pCi/L	100				3.5	30	
Sample ID: MB-R100290	Method Blank				Run: SUB-C100290			04/24/08 13:29	
Radon 222	20	pCi/L							
Sample ID: LCS-R100290	Laboratory Control Sample				Run: SUB-C100290			04/24/08 13:29	
Radon 222	304	pCi/L	100	95	70	130			

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040287

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_18465
Sample ID: MB-18465	Method Blank				Run: SUB-C100898				05/08/08 23:51
Boron	ND	mg/L	0.01						
Iron	ND	mg/L	0.009						
Sample ID: LCS3-18465	Laboratory Control Sample				Run: SUB-C100898				05/08/08 23:55
Boron	0.499	mg/L	0.10	100	85	115			
Iron	2.85	mg/L	0.030	114	85	115			
Sample ID: C08041226-001B MS3	Sample Matrix Spike				Run: SUB-C100898				05/09/08 01:28
Boron	5.98	mg/L	0.10		70	130			A
Iron	2.59	mg/L	0.043	104	70	130			
Sample ID: C08041226-001B MSD3	Sample Matrix Spike Duplicate				Run: SUB-C100898				05/09/08 01:32
Boron	5.81	mg/L	0.10		70	130	2.9	20	A
Iron	2.53	mg/L	0.043	101	70	130	2.3	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040287

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7								Batch: C_R100898	
Sample ID: MB-080508A	Method Blank				Run: SUB-C100898			05/08/08 13:02	
Silica	0.02	mg/L							
Aluminum	ND	mg/L	0.004						
Boron	0.02	mg/L	0.008						
Calcium	ND	mg/L	0.1						
Iron	ND	mg/L	0.005						
Magnesium	ND	mg/L	0.04						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Sample ID: LFB-080508A	Laboratory Fortified Blank				Run: SUB-C100898			05/08/08 13:06	
Silica	0.31	mg/L	0.10	57	85	125			S
Aluminum	0.95	mg/L	0.10	95	85	125			
Boron	1.1	mg/L	0.10	103	85	125			
Calcium	54	mg/L	0.50	108	85	125			
Iron	1.1	mg/L	0.030	106	85	125			
Magnesium	53	mg/L	0.50	107	85	125			
Potassium	46	mg/L	0.50	93	85	125			
Sodium	51	mg/L	0.77	102	85	125			
Sample ID: R08040287-004C	Sample Matrix Spike				Run: SUB-C100898			05/08/08 21:45	
Aluminum	2.06	mg/L	0.10	100	70	130			
Boron	2.17	mg/L	0.10	104	70	130			
Iron	4.56	mg/L	0.030	101	70	130			
Calcium	466	mg/L	1.0	98	70	130			
Magnesium	232	mg/L	1.0	102	70	130			
Potassium	109	mg/L	1.0	91	70	130			
Silica	6.57	mg/L	0.10	88	70	130			
Sodium	191	mg/L	1.5	99	70	130			
Sample ID: R08040287-004C	Sample Matrix Spike Duplicate				Run: SUB-C100898			05/08/08 21:49	
Aluminum	2.01	mg/L	0.10	97	70	130	2.7	20	
Boron	2.19	mg/L	0.10	106	70	130	1.0	20	
Iron	4.58	mg/L	0.030	102	70	130	0.5	20	
Calcium	463	mg/L	1.0	95	70	130	0.6	20	
Magnesium	233	mg/L	1.0	102	70	130	0.3	20	
Potassium	108	mg/L	1.0	90	70	130	0.9	20	
Silica	6.67	mg/L	0.10	93	70	130	1.5	20	
Sodium	190	mg/L	1.5	99	70	130	0.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040287

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18450
Sample ID: MB-18450	Method Blank				Run: SUB-C100604				05/05/08 05:17
Uranium	4E-05	mg/L	2E-05						
Sample ID: LCS1-18450	Laboratory Control Sample				Run: SUB-C100604				05/05/08 05:21
Uranium	0.0505	mg/L	0.00030	96	80	120			
Sample ID: R08040287-003I	Post Digestion Spike				Run: SUB-C100604				05/05/08 06:19
Uranium	0.0132	mg/L	0.00030	98	70	130			
Sample ID: R08040287-003I	Post Digestion Spike Duplicate				Run: SUB-C100604				05/05/08 06:23
Uranium	0.0135	mg/L	0.00030	100	70	130	2.0	20	
Method: E200.8									Batch: C_18459
Sample ID: MB-18459	Method Blank				Run: SUB-C100604				05/05/08 06:27
Uranium	3E-05	mg/L	1E-05						
Sample ID: LCS1-18459	Laboratory Control Sample				Run: SUB-C100604				05/05/08 06:44
Uranium	0.0473	mg/L	0.00030	95	80	120			
Sample ID: C08041156-006FMS4	Post Digestion Spike				Run: SUB-C100604				05/05/08 07:42
Uranium	0.0131	mg/L	0.00030	94	70	130			
Sample ID: C08041156-006FMSD4	Post Digestion Spike Duplicate				Run: SUB-C100604				05/05/08 07:46
Uranium	0.0132	mg/L	0.00030	95	70	130	0.4	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040287

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18465
Sample ID: MB-18465	Method Blank				Run: SUB-C100685				05/05/08 15:37
Antimony	ND	mg/L	0.0002						
Arsenic	0.0004	mg/L	5E-05						
Barium	ND	mg/L	9E-05						
Cadmium	ND	mg/L	3E-05						
Chromium	0.0007	mg/L	5E-05						
Copper	ND	mg/L	0.0001						
Lead	2E-05	mg/L							
Manganese	0.0002	mg/L	3E-05						
Molybdenum	ND	mg/L	7E-05						
Nickel	ND	mg/L	6E-05						
Selenium	ND	mg/L	0.0002						
Silver	7E-05	mg/L	4E-05						
Strontium	ND	mg/L	8E-05						
Thallium	8E-05	mg/L	3E-05						
Uranium	4E-05	mg/L	3E-05						
Zinc	0.001	mg/L	0.0003						
Sample ID: LCS3-18465	Laboratory Control Sample				Run: SUB-C100685				05/05/08 15:43
Antimony	0.545	mg/L	0.050	109	85	115			
Arsenic	0.544	mg/L	0.0010	109	85	115			
Barium	0.540	mg/L	0.10	108	85	115			
Cadmium	0.266	mg/L	0.010	107	85	115			
Chromium	0.540	mg/L	0.050	108	85	115			
Copper	0.524	mg/L	0.010	105	85	115			
Lead	0.523	mg/L	0.050	105	85	115			
Manganese	2.86	mg/L	0.010	114	85	115			
Molybdenum	0.523	mg/L	0.10	105	85	115			
Nickel	0.531	mg/L	0.050	106	85	115			
Selenium	0.548	mg/L	0.0020	110	85	115			
Silver	0.0497	mg/L	0.010	99	85	115			
Strontium	0.563	mg/L	0.10	113	85	115			
Thallium	0.521	mg/L	0.10	104	85	115			
Uranium	0.525	mg/L	0.00032	105	85	115			
Zinc	0.552	mg/L	0.010	110	85	115			
Sample ID: C08041226-001BMS3	Sample Matrix Spike				Run: SUB-C100685				05/05/08 17:38
Antimony	0.606	mg/L	0.050	121	70	130			
Arsenic	0.609	mg/L	0.0010	121	70	130			
Barium	0.656	mg/L	0.10	123	70	130			
Cadmium	0.285	mg/L	0.010	114	70	130			
Chromium	0.568	mg/L	0.050	113	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040287

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18465
Sample ID: C08041226-001BMS3	Sample Matrix Spike				Run: SUB-C100685				05/05/08 17:38
Copper	0.598	mg/L	0.010	114	70	130			
Lead	0.588	mg/L	0.050	117	70	130			
Manganese	2.99	mg/L	0.010	120	70	130			
Molybdenum	0.601	mg/L	0.10	120	70	130			
Nickel	1.06	mg/L	0.050	123	70	130			
Selenium	0.600	mg/L	0.0020	117	70	130			
Silver	0.0528	mg/L	0.010	106	70	130			
Strontium	2.29	mg/L	0.10	162	70	130			S
Thallium	0.587	mg/L	0.10	117	70	130			
Uranium	0.621	mg/L	0.00032	124	70	130			
Zinc	0.552	mg/L	0.010	108	70	130			
Sample ID: C08041226-001BMSD3	Sample Matrix Spike Duplicate				Run: SUB-C100685				05/05/08 18:05
Antimony	0.586	mg/L	0.050	117	70	130	3.3	20	
Arsenic	0.575	mg/L	0.0010	114	70	130	5.8	20	
Barium	0.607	mg/L	0.10	113	70	130	7.7	20	
Cadmium	0.268	mg/L	0.010	107	70	130	6.1	20	
Chromium	0.530	mg/L	0.050	105	70	130	7.0	20	
Copper	0.565	mg/L	0.010	107	70	130	5.7	20	
Lead	0.559	mg/L	0.050	112	70	130	5.1	20	
Manganese	2.81	mg/L	0.010	112	70	130	6.3	20	
Molybdenum	0.580	mg/L	0.10	116	70	130	3.5	20	
Nickel	1.02	mg/L	0.050	115	70	130	4.0	20	
Selenium	0.566	mg/L	0.0020	110	70	130	5.7	20	
Silver	0.0502	mg/L	0.010	100	70	130	5.0	20	
Strontium	2.22	mg/L	0.10	148	70	130	3.2	20	S
Thallium	0.555	mg/L	0.10	111	70	130	5.6	20	
Uranium	0.582	mg/L	0.00032	116	70	130	6.4	20	
Zinc	0.525	mg/L	0.010	102	70	130	5.0	20	
Sample ID: MB-18465	Method Blank				Run: SUB-C100732				05/06/08 19:39
Beryllium	ND	mg/L	0.0001						
Sample ID: LCS3-18465	Laboratory Control Sample				Run: SUB-C100732				05/06/08 19:46
Beryllium	0.256	mg/L	0.010	102	85	115			
Sample ID: C08041226-001BMS3	Sample Matrix Spike				Run: SUB-C100732				05/06/08 21:27
Beryllium	0.271	mg/L	0.010	108	70	130			
Sample ID: C08041226-001BMSD3	Sample Matrix Spike Duplicate				Run: SUB-C100732				05/06/08 21:34
Beryllium	0.266	mg/L	0.010	106	70	130	1.9	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040287

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R100732
Sample ID: LRB	Method Blank				Run: SUB-C100732				05/06/08 11:52
Arsenic	ND	mg/L	6E-05						
Barium	4E-05	mg/L	3E-05						
Cadmium	ND	mg/L	1E-05						
Chromium	4E-05	mg/L	4E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Manganese	ND	mg/L	5E-05						
Mercury	0.0001	mg/L	8E-05						
Molybdenum	ND	mg/L	5E-05						
Nickel	ND	mg/L	0.0007						
Silver	5E-05	mg/L	3E-05						
Thorium 232	0.0001	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Vanadium	ND	mg/L	3E-05						
Zinc	0.002	mg/L	0.0003						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C100732				05/06/08 11:59
Arsenic	0.0520	mg/L	0.0010	104	85	115			
Barium	0.0534	mg/L	0.0010	107	85	115			
Cadmium	0.0525	mg/L	0.0010	105	85	115			
Chromium	0.0514	mg/L	0.0010	103	85	115			
Copper	0.0528	mg/L	0.0010	106	85	115			
Lead	0.0535	mg/L	0.0010	107	85	115			
Manganese	0.0517	mg/L	0.0010	103	85	115			
Mercury	0.00525	mg/L	0.0010	103	85	115			
Molybdenum	0.0524	mg/L	0.0010	105	85	115			
Nickel	0.0530	mg/L	0.0010	106	85	115			
Silver	0.0211	mg/L	0.0010	105	85	115			
Thorium 232	0.0525	mg/L	0.0010	105	85	115			
Uranium	0.0522	mg/L	0.00030	104	85	115			
Vanadium	0.0518	mg/L	0.0010	104	85	115			
Zinc	0.0546	mg/L	0.0010	106	85	115			
Sample ID: R08040287-001C	Post Digestion Spike				Run: SUB-C100732				05/07/08 01:51
Arsenic	0.0520	mg/L	0.0010	102	70	130			
Barium	0.0607	mg/L	0.10	98	70	130			
Cadmium	0.0494	mg/L	0.010	99	70	130			
Chromium	0.0475	mg/L	0.050	94	70	130			
Copper	0.0505	mg/L	0.010	100	70	130			
Lead	0.0506	mg/L	0.050	101	70	130			
Manganese	0.123	mg/L	0.010	92	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040287

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R100732
Sample ID: R08040287-001C	Post Digestion Spike				Run: SUB-C100732				05/07/08 01:51
Mercury	0.00502	mg/L	0.0010	100	70	130			
Molybdenum	0.0574	mg/L	0.10	106	70	130			
Nickel	0.0511	mg/L	0.050	101	70	130			
Silver	0.0144	mg/L	0.010	72	70	130			
Thorium 232	0.0518	mg/L	0.0010	103	70	130			
Uranium	0.0547	mg/L	0.00030	104	70	130			
Vanadium	0.0487	mg/L	0.10	97	70	130			
Zinc	0.0500	mg/L	0.010	96	70	130			
Sample ID: R08040287-001C	Post Digestion Spike Duplicate				Run: SUB-C100732				05/07/08 01:58
Arsenic	0.0518	mg/L	0.0010	101	70	130	0.5	20	
Barium	0.0621	mg/L	0.10	101	70	130	0.0	20	
Cadmium	0.0495	mg/L	0.010	99	70	130	0.2	20	
Chromium	0.0497	mg/L	0.050	99	70	130	0.0	20	
Copper	0.0505	mg/L	0.010	100	70	130	0.1	20	
Lead	0.0513	mg/L	0.050	103	70	130	1.4	20	
Manganese	0.128	mg/L	0.010	102	70	130	3.9	20	
Mercury	0.00510	mg/L	0.0010	102	70	130	1.6	20	
Molybdenum	0.0578	mg/L	0.10	107	70	130	0.0	20	
Nickel	0.0506	mg/L	0.050	100	70	130	1.1	20	
Silver	0.0151	mg/L	0.010	76	70	130	5.0	20	
Thorium 232	0.0527	mg/L	0.0010	105	70	130	1.8	20	
Uranium	0.0557	mg/L	0.00030	106	70	130	1.8	20	
Vanadium	0.0513	mg/L	0.10	102	70	130	0.0	20	
Zinc	0.0496	mg/L	0.010	95	70	130	0.8	20	
Sample ID: R08040287-007C	Post Digestion Spike				Run: SUB-C100732				05/07/08 02:45
Arsenic	0.0524	mg/L	0.0010	103	70	130			
Barium	0.0648	mg/L	0.10	102	70	130			
Cadmium	0.0502	mg/L	0.010	100	70	130			
Chromium	0.0488	mg/L	0.050	97	70	130			
Copper	0.0501	mg/L	0.010	99	70	130			
Lead	0.0518	mg/L	0.050	103	70	130			
Manganese	0.106	mg/L	0.010	97	70	130			
Mercury	0.00507	mg/L	0.0010	101	70	130			
Molybdenum	0.0576	mg/L	0.10	109	70	130			
Nickel	0.0506	mg/L	0.050	101	70	130			
Silver	0.0152	mg/L	0.010	76	70	130			
Thorium 232	0.0535	mg/L	0.0010	107	70	130			
Uranium	0.0541	mg/L	0.00030	108	70	130			
Vanadium	0.0500	mg/L	0.10	100	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040287

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R100732
Sample ID: R08040287-007C	Post Digestion Spike				Run: SUB-C100732				05/07/08 02:45
Zinc	0.0501	mg/L	0.010	96	70	130			
Sample ID: R08040287-007C	Post Digestion Spike Duplicate				Run: SUB-C100732				05/07/08 03:12
Arsenic	0.0532	mg/L	0.0010	104	70	130	1.4	20	
Barium	0.0644	mg/L	0.10	101	70	130	0.0	20	
Cadmium	0.0496	mg/L	0.010	99	70	130	1.1	20	
Chromium	0.0492	mg/L	0.050	98	70	130	0.0	20	
Copper	0.0508	mg/L	0.010	101	70	130	1.5	20	
Lead	0.0515	mg/L	0.050	103	70	130	0.5	20	
Manganese	0.106	mg/L	0.010	98	70	130	0.5	20	
Mercury	0.00515	mg/L	0.0010	103	70	130	1.6	20	
Molybdenum	0.0573	mg/L	0.10	108	70	130	0.0	20	
Nickel	0.0510	mg/L	0.050	102	70	130	0.7	20	
Silver	0.0168	mg/L	0.010	84	70	130	9.7	20	
Thorium 232	0.0537	mg/L	0.0010	107	70	130	0.4	20	
Uranium	0.0534	mg/L	0.00030	106	70	130	1.5	20	
Vanadium	0.0503	mg/L	0.10	100	70	130	0.0	20	
Zinc	0.0501	mg/L	0.010	96	70	130	0.0	20	
Method: E200.8									Batch: C_R100862
Sample ID: LRB	Method Blank				Run: SUB-C100862				05/08/08 12:41
Aluminum	ND	mg/L	0.0001						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C100862				05/08/08 12:48
Aluminum	0.0519	mg/L	0.0010	104	85	115			
Sample ID: C08040783-001KMS4	Post Digestion Spike				Run: SUB-C100862				05/08/08 14:50
Aluminum	0.0503	mg/L	0.10	98	70	130			
Sample ID: C08040783-001KMSD4	Post Digestion Spike Duplicate				Run: SUB-C100862				05/08/08 14:56
Aluminum	0.0494	mg/L	0.10	96	70	130	0.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040287

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E245.1									Batch: C_B_32271
Sample ID: MB-32271	Method Blank				Run: SUB-C100762				05/06/08 16:10
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-32271	Laboratory Fortified Blank				Run: SUB-C100762				05/06/08 16:12
Mercury	0.0019	mg/L	0.0010	93	85	115			
Sample ID: B08050247-007DMS	Sample Matrix Spike				Run: SUB-C100762				05/06/08 16:55
Mercury	0.0020	mg/L	0.0010	102	70	130			
Sample ID: B08050247-007DMSD	Sample Matrix Spike Duplicate				Run: SUB-C100762				05/06/08 16:57
Mercury	0.0019	mg/L	0.0010	96	70	130	5.6	30	
Method: E300.0									Batch: G_R159465
Sample ID: LCS	Laboratory Control Sample				Run: SUB-G159465				05/10/08 14:58
Chloride	28.1	mg/L	1.0	93	90	110			
Fluoride	20.2	mg/L	0.10	100	90	110			
Sulfate	142	mg/L	1.0	94	90	110			
Sample ID: MBLK	Method Blank				Run: SUB-G159465				05/10/08 15:10
Chloride	ND	mg/L	0.08						
Fluoride	ND	mg/L	0.007						
Sulfate	ND	mg/L	0.04						
Sample ID: G08050352-005AMS	Sample Matrix Spike				Run: SUB-G159465				05/10/08 21:11
Chloride	191	mg/L	1.0	95	80	120			
Fluoride	19.4	mg/L	0.10	97	80	120			
Sulfate	559	mg/L	1.0	94	80	120			
Sample ID: G08050352-005AMSD	Sample Matrix Spike Duplicate				Run: SUB-G159465				05/10/08 21:23
Chloride	193	mg/L	1.0	96	80	120	0.7	20	
Fluoride	19.6	mg/L	0.10	97	80	120	0.7	20	
Sulfate	561	mg/L	1.0	95	80	120	0.3	20	
Sample ID: G08050354-007BMS	Sample Matrix Spike				Run: SUB-G159465				05/11/08 08:04
Chloride	1060	mg/L	2.1	100	80	120			
Fluoride	99.9	mg/L	0.18	101	80	120			
Sample ID: G08050354-007BMSD	Sample Matrix Spike Duplicate				Run: SUB-G159465				05/11/08 08:16
Chloride	1080	mg/L	2.1	102	80	120	1.8	20	
Fluoride	102	mg/L	0.18	103	80	120	1.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040287

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: G_R159560
Sample ID: LCS	Laboratory Control Sample				Run: SUB-G159560				05/12/08 13:35
Sulfate	137	mg/L	1.0	91	90	110			
Sample ID: MBLK	Method Blank				Run: SUB-G159560				05/12/08 13:46
Sulfate	ND	mg/L	0.04						
Sample ID: G08050391-001AMS	Sample Matrix Spike				Run: SUB-G159560				05/12/08 14:45
Sulfate	320	mg/L	1.0	99	80	120			
Sample ID: G08050391-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-G159560				05/12/08 14:56
Sulfate	319	mg/L	1.0	99	80	120	0.4	20	
Method: E353.2									Batch: A2008-04-24_3_NO2_01
Sample ID: MBLK-2	Method Blank				Run: TECHAA1-R_080424A				04/24/08 11:53
Nitrogen, Nitrite as N	ND	mg/L	0.02						
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA1-R_080424A				04/24/08 11:55
Nitrogen, Nitrite as N	0.275	mg/L	0.050	110	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA1-R_080424A				04/24/08 11:57
Nitrogen, Nitrite as N	0.269	mg/L	0.050	108	90	110			
Sample ID: R08040287-001AMS	Sample Matrix Spike				Run: TECHAA1-R_080424A				04/24/08 12:17
Nitrogen, Nitrite as N	0.260	mg/L	0.050	104	90	110			
Sample ID: R08040287-001AMSD	Sample Matrix Spike Duplicate				Run: TECHAA1-R_080424A				04/24/08 12:19
Nitrogen, Nitrite as N	0.269	mg/L	0.050	108	90	110	3.4	10	
Sample ID: R08040290-004BMS	Sample Matrix Spike				Run: TECHAA1-R_080424A				04/24/08 13:09
Nitrogen, Nitrite as N	0.293	mg/L	0.050	107	90	110			
Sample ID: R08040290-004BMSD	Sample Matrix Spike Duplicate				Run: TECHAA1-R_080424A				04/24/08 13:11
Nitrogen, Nitrite as N	0.293	mg/L	0.050	107	90	110	0.0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040287

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0									Batch: C_GrAB-0440
Sample ID: MB-GrAB-0440	Method Blank				Run: SUB-C100953				05/10/08 05:58
Gross Alpha	-0.2	pCi/L							U
Gross Beta	-2	pCi/L							U
Sample ID: UNAT-GrAB-0440	Laboratory Control Sample				Run: SUB-C100953				05/10/08 05:58
Gross Alpha	260	pCi/L		105	70	130			
Sample ID: Cs137-GrAB-0440	Laboratory Control Sample				Run: SUB-C100953				05/10/08 05:58
Gross Beta	78	pCi/L		84	70	130			
Sample ID: C08041059-001DMS	Sample Matrix Spike				Run: SUB-C100953				05/10/08 05:58
Gross Alpha	317	pCi/L		130	70	130			
Sample ID: C08041059-001DMSD	Sample Matrix Spike Duplicate				Run: SUB-C100953				05/10/08 05:58
Gross Alpha	317	pCi/L		130	70	130	0.1	15.5	
Sample ID: C08041059-001DMS	Sample Matrix Spike				Run: SUB-C100953				05/10/08 05:58
Gross Beta	95.7	pCi/L		103	70	130			
Sample ID: C08041059-001DMSD	Sample Matrix Spike Duplicate				Run: SUB-C100953				05/10/08 05:58
Gross Beta	98.7	pCi/L		106	70	130	3.1	16	
Method: E901.1									Batch: C_R100708
Sample ID: LCS-R100708	Laboratory Control Sample				Run: SUB-C100708				05/01/08 17:22
Americium 241	720	pCi/L	20	88	70	130			
Cesium 137	1200	pCi/L	20	109	70	130			
Sample ID: MB-R100708	Method Blank				Run: SUB-C100708				05/01/08 17:22
Gross Gamma	ND	pCi/L							
Sample ID: R08040364-001H	Sample Duplicate				Run: SUB-C100708				05/01/08 17:22
Gross Gamma	ND	pCi/L	20				0.0	30	U

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

U - Not detected at minimum detectable concentration

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040287

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: C_18450
Sample ID: C08041110-001AMS	Sample Matrix Spike				Run: SUB-C100770				05/06/08 15:27
Radium 226	125	pCi/Filter		101	70	130			
Sample ID: C08041110-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C100770				05/06/08 15:27
Radium 226	127	pCi/Filter		102	70	130	1.2	25.7	
Sample ID: LCS-18450	Laboratory Control Sample				Run: SUB-C100770				05/06/08 15:27
Radium 226	13	pCi/L		109	70	130			
Sample ID: MB-18450	Method Blank				Run: SUB-C100770				05/06/08 15:27
Radium 226	-2	pCi/L							U
Method: E903.0									Batch: C_R101119
Sample ID: C08041156-005FMS	Sample Matrix Spike				Run: SUB-C101119				05/13/08 13:14
Radium 226	120	pCi/L		94	70	130			
Sample ID: C08041156-005FMSD	Sample Matrix Spike Duplicate				Run: SUB-C101119				05/13/08 13:14
Radium 226	110	pCi/L		91	70	130	3.5	24.7	
Sample ID: LCS-18459	Laboratory Control Sample				Run: SUB-C101119				05/13/08 14:53
Radium 226	11	pCi/L		95	70	130			
Sample ID: MB-18459	Method Blank				Run: SUB-C101119				05/13/08 14:53
Radium 226	-0.8	pCi/L							U
Method: E903.0									Batch: C_RA226-2771
Sample ID: C08041060-002HMS	Sample Matrix Spike				Run: SUB-C101060				05/13/08 08:49
Radium 226	12	pCi/L		90	70	130			
Sample ID: C08041060-002HMSD	Sample Matrix Spike Duplicate				Run: SUB-C101060				05/13/08 08:49
Radium 226	12	pCi/L		93	70	130	2.4	21.9	
Sample ID: MB-RA226-2771	Method Blank				Run: SUB-C101060				05/13/08 13:15
Radium 226	-0.03	pCi/L							U
Sample ID: LCS-RA226-2771	Laboratory Control Sample				Run: SUB-C101060				05/13/08 13:15
Radium 226	5.3	pCi/L		83	70	130			

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040287

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: C_18450
Sample ID: C08041060-004IMS	Sample Matrix Spike				Run: SUB-C100959				05/01/08 15:30
Thorium 230	21.6	pCi/L	0.20	98	70	130			
Sample ID: C08041060-004IMSD	Sample Matrix Spike Duplicate				Run: SUB-C100959				05/01/08 15:30
Thorium 230	18.9	pCi/L	0.20	82	70	130	13	30	
Sample ID: LCS-18450	Laboratory Control Sample				Run: SUB-C100959				05/01/08 15:30
Thorium 230	47.0	pCi/L	0.20	98	70	130			
Sample ID: MB-18450	Method Blank				Run: SUB-C100959				05/01/08 15:30
Thorium 230	ND	pCi/L							
Method: E907.0									Batch: C_18459
Sample ID: C08041170-001AMS	Sample Matrix Spike				Run: SUB-C100981				05/02/08 15:30
Thorium 230	42.4	pCi/Filter	0.20	99	70	130			
Sample ID: C08041170-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C100981				05/02/08 15:30
Thorium 230	50.6	pCi/Filter	0.20	109	70	130	18	30	
Sample ID: LCS-18459	Laboratory Control Sample				Run: SUB-C100981				05/02/08 15:30
Thorium 230	9.40	pCi/L	0.20	90	70	130			
Sample ID: MB-18459	Method Blank				Run: SUB-C100981				05/02/08 15:30
Thorium 230	ND	pCi/L							
Method: E907.0									Batch: C_R100724
Sample ID: LCS-R100724	Laboratory Control Sample				Run: SUB-C100724				04/29/08 15:30
Thorium 230	7.20	pCi/L	0.20	103	70	130			
Sample ID: R08040287-001H	Sample Matrix Spike				Run: SUB-C100724				04/29/08 15:30
Thorium 230	9.50	pCi/L	0.20	97	70	130			
Sample ID: R08040287-001H	Sample Matrix Spike Duplicate				Run: SUB-C100724				04/29/08 15:30
Thorium 230	9.40	pCi/L	0.20	96	70	130	1.1	30	
Sample ID: MB-R100724	Method Blank				Run: SUB-C100724				04/29/08 15:30
Thorium 230	ND	pCi/L							

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040287

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0M									Batch: C_18450
Sample ID: C08041052-003BMS	Sample Matrix Spike				Run: SUB-C101784				05/16/08 07:00
Lead 210	1000	pCi/L	1.0	85	70	130			
Sample ID: C08041052-003BMSD	Sample Matrix Spike Duplicate				Run: SUB-C101784				05/16/08 07:00
Lead 210	1200	pCi/L	1.0	101	70	130	18	30	
Sample ID: MB-R101784	Method Blank				Run: SUB-C101784				05/16/08 07:00
Lead 210	ND	pCi/L							
Sample ID: LCS-R101784	Laboratory Control Sample				Run: SUB-C101784				05/16/08 07:00
Lead 210	130	pCi/L	1.0	106	70	130			
Method: E909.0M									Batch: C_18459
Sample ID: C08041156-003FMS	Sample Matrix Spike				Run: SUB-C101646				05/14/08 06:30
Lead 210	570	pCi/L	1.0	48	70	130			S
- Spike response is outside of the acceptance range for this analysis. Since the LCS and the MSD is acceptable, the response is considered to be matrix related. The batch is approved.									
Sample ID: C08041156-003FMSD	Sample Matrix Spike Duplicate				Run: SUB-C101646				05/14/08 06:30
Lead 210	940	pCi/L	1.0	79	70	130	49	30	R
Sample ID: MB-R101646	Method Blank				Run: SUB-C101646				05/14/08 06:30
Lead 210	ND	pCi/L							
Sample ID: LCS-R101646	Laboratory Control Sample				Run: SUB-C101646				05/14/08 06:30
Lead 210	120	pCi/L	1.0	100	70	130			
Method: E909.0M									Batch: C_R102383
Sample ID: R08040287-004H	Sample Matrix Spike				Run: SUB-C102383				05/23/08 08:45
Lead 210	600	pCi/L	1.0	102	70	130			
Sample ID: R08040287-004H	Sample Matrix Spike Duplicate				Run: SUB-C102383				05/23/08 08:45
Lead 210	700	pCi/L	1.0	119	70	130	16	30	
Sample ID: MB-R102383	Method Blank				Run: SUB-C102383				05/23/08 08:45
Lead 210	ND	pCi/L							
Sample ID: LCS-R102383	Laboratory Control Sample				Run: SUB-C102383				05/23/08 08:45
Lead 210	130	pCi/L	1.0	114	70	130			

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/24/08
Work Order: R08040287

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RMO-3008									Batch: C_18459
Sample ID: C08041156-006FMS	Sample Matrix Spike				Run: SUB-C100914				05/06/08 12:00
Polonium 210	99	pCi/L	1.0	108	70	130			
Sample ID: C08041156-006FMSD	Sample Matrix Spike Duplicate				Run: SUB-C100914				05/06/08 12:00
Polonium 210	93	pCi/L	1.0	101	70	130	6.2	30	
Sample ID: MB-18459	Method Blank				Run: SUB-C100914				05/06/08 12:00
Polonium 210	1	pCi/L							
Sample ID: LCS-18459	Laboratory Control Sample				Run: SUB-C100914				05/06/08 12:00
Polonium 210	180	pCi/L	1.0	105	70	130			
Method: RMO-3008									Batch: C_R100704
Sample ID: R08040287-003I	Sample Matrix Spike				Run: SUB-C100704				05/01/08 14:15
Polonium 210	88	pCi/L	1.0	107	70	130			
Sample ID: R08040287-003I	Sample Matrix Spike Duplicate				Run: SUB-C100704				05/01/08 14:15
Polonium 210	89	pCi/L	1.0	107	70	130	0.8	30	
Sample ID: LCS-18424	Laboratory Control Sample				Run: SUB-C100704				05/01/08 14:15
Polonium 210	180	pCi/L	1.0	102	70	130			
Sample ID: MB-18424	Method Blank				Run: SUB-C100704				05/01/08 14:15
Polonium 210	0.5	pCi/L							U
Method: RMO-3008									Batch: C_R100979
Sample ID: R08040364-007H	Sample Matrix Spike				Run: SUB-C100979				05/06/08 17:00
Polonium 210	160	pCi/L	1.0	90	70	130			
Sample ID: R08040364-007H	Sample Matrix Spike Duplicate				Run: SUB-C100979				05/06/08 17:00
Polonium 210	150	pCi/L	1.0	88	70	130	1.9	30	
Sample ID: LCS-R100979	Laboratory Control Sample				Run: SUB-C100979				05/06/08 17:00
Polonium 210	81	pCi/L	1.0	92	70	130			
Sample ID: MB-R100979	Method Blank				Run: SUB-C100979				05/06/08 17:00
Polonium 210	0.9	pCi/L							

Qualifiers:

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

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.

ENERGY LABORATORIES

Company Name: RESPEC	Project Name, PWS #, Permit #, Etc.: Power Tech Dewey Burdock
Report Mail Address: RESPEC	Contact Name, Phone, Fax, E-mail: cory.foreman@respec.com — Sampler Name if other than Contact: Eric Krantz
Invoice Address: RESPEC	Invoice Contact & Phone #: cory.foreman@respec.com — Purchase Order #: — ELI Quote #:

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 — As per Quote

SEE ATTACHED

Normal Turnaround (TAT) ☐ RUSH Turnaround (TAT) ☐

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

Comments: All Groundwater

Receipt Temp 4.8 °C on ice
Cooler ID(s) _____
Custody Seal Y N
Intact Y N
Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	Comments	Lab ID
1	Dew Burd GW 695	4/22/08	12:46	W	set 10 Putnam east	0804028 7-001
2	Dew Burd GW 688	4/22/08	13:26	W	set 28 Burdock west	002
3	Dew Burd GW ~~3000~~ 3026	4/22/08	14:30	W	set 24 Daniel New	003
4	Dew Burd GW 698	4/22/08	11:30	W	set 23 weather station	004
5	Dew Burd GW 697	4/22/08	16:02	W	Set 26 Putnam west	005
6	Dew Burd BLK01	4/22/08	15:57	W	set 21	006
7	Dew Burd GW 696	4/22/08	16:58	W	Set 31 Dewey SE	007
8						
9						
10						

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by:	Date/Time: 4/23/08 8:15	Shipped by:	Received by: Date/Time: 4-23-08 8:15
Relinquished by:	Date/Time:	Shipped by:	Received by: Date/Time:

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

LABORATORY USE ONLY
Sample Type: _____ # of fractions _____

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 & links

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ANALYTICAL SUMMARY REPORT

June 27, 2008

Cory Foreman
RESPEC Inc
3824 Jet Dr
Rapid City, SD 57701-

Workorder No.: R08040364 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 7 samples from RESPEC Inc on 4/30/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08040364-001	DewBurd GW676	04/29/08 12:27	04/30/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Hg By CVAA, Total Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Nitrogen, Nitrite Nitrogen, Nitrate + Nitrite Nitrogen, Nitrate Only Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved
R08040364-002	DewBurd GW678	04/29/08 13:41	04/30/08	Aqueous	Same As Above
R08040364-003	DewBurd GW677	04/29/08 15:14	04/30/08	Aqueous	Same As Above
R08040364-004	DewBurd GW675	04/29/08 17:47	04/30/08	Aqueous	Same As Above
R08040364-005	DewBurd GW675	04/29/08 17:50	04/30/08	Aqueous	Same As Above

R08040364-006	DewBurd BLK01	04/29/08 18:00	04/30/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Conductivity Hg By CVAA, Total Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Nitrogen, Nitrite Nitrogen, Nitrate + Nitrite Nitrogen, Nitrate Only Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved
R08040364-007	DewBurd GW635	04/29/08 19:00	04/30/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Hg By CVAA, Total Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Nitrogen, Nitrite Nitrogen, Nitrate + Nitrite Nitrogen, Nitrate Only Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved

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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: _____

Linda Larson

Rapid City - Project Manager

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CASE NARRATIVE

The following Case Narrative contains exceptions or comments pertaining to the analysis of samples submitted by RESPEC Inc on 4/30/2008 8:05:00 AM. These samples were assigned ELI Workorder Number R08040364.

This case narrative is used to explain any exceptions to the analyses performed for your sample(s). In accordance with Good Analytical Laboratory Practices (GALP), samples requiring data qualifiers or analytical modifications are explained herein.

All samples were analyzed in accordance with prescribed methodology, except were noted. Samples are accompanied by appropriate quality assurance/quality control (QA/QC) samples throughout the analytical process.

During the course of analyzing your sample(s) the following exceptions were noted.
-The total Mercury analysis was not run within hold due to lab error. The method used was a standard method cold vapor analysis. It is an approved method and was the method avalable at the time of analysis.

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

BRANCH LABORATORY IDENTIFIERS
eli-b - Energy Laboratories, Inc. - Billings, MT, EPA # MT00005
eli-c - Energy Laboratories, Inc. - Casper, WY, EPA# WY00002
eli-f - Energy Laboratories, Inc. - Idaho Falls, ID, EPA # ID00942
eli-g - Energy Laboratories, Inc. - Gillette, WY, EPA# WY00006
eli-h - Energy Laboratories, Inc. - Helena, MT, EPA# MT00945
eli-t - Energy Laboratories, Inc. - College Station, TX, EPA# TX01520

For additional information, including certifications, and analytical services visit our web page www.energylab.com.

If you have questions regarding this information, please feel free to contact us at (888)672-1225, (605)342-1225 or rapid_city@energylab.com.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-001
Client Sample ID: DewBurd GW676

Report Date: 06/27/08
Collection Date: 04/29/08 12:27
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	220	mg/L		5		1	A2320 B	05/01/08 10:37/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	05/01/08 10:37/mb
Bicarbonate as HCO3	268	mg/L		5		1	A2320 B	05/01/08 10:37/mb
Calcium	561	mg/L		0.5		2	E200.7	05/19/08 15:47/eli-c
Chloride	13	mg/L		1		5	E300.0	05/12/08 22:06/eli-g
Fluoride	0.3	mg/L		0.1		5	E300.0	05/12/08 22:06/eli-g
Magnesium	129	mg/L		0.5		2	E200.7	05/19/08 15:47/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	05/06/08 15:00/jmh
Potassium	10.9	mg/L		0.5		2	E200.7	05/19/08 15:47/eli-c
Silica	6.4	mg/L		0.5		2	E200.7	05/19/08 15:47/eli-c
Sodium	94	mg/L	D	2		2	E200.7	05/19/08 15:47/eli-c
Sulfate	1760	mg/L		1		25	E300.0	05/11/08 05:21/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	3100	umhos/cm		5.0		1	A2510 B	05/08/08 14:14/tb
Oxidation-Reduction Potential	280	mV				1	A2580 B	05/05/08 00:00/jmh
pH	7.46	s.u.		0.01		1	A4500-H B	05/06/08 14:10/jmh
Sodium Adsorption Ratio (SAR)	0.93	unitless		0.10		1	Calculation	06/18/08 18:05/ADM
Solids, Total Dissolved TDS @ 180 C	2600	mg/L		5		1	A2540 C	05/01/08 15:03/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/19/08 15:47/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	05/20/08 12:31/eli-c
Barium	ND	mg/L		0.1		2	E200.7	05/19/08 15:47/eli-c
Boron	0.5	mg/L		0.1		2	E200.7	05/19/08 15:47/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/20/08 12:31/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/19/08 15:47/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/20/08 12:31/eli-c
Iron	ND	mg/L		0.03		2	E200.7	05/19/08 15:47/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/20/08 12:31/eli-c
Manganese	ND	mg/L		0.01		2	E200.7	05/19/08 15:47/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/20/08 12:31/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	05/19/08 15:47/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	05/19/08 15:47/eli-c
Selenium	0.009	mg/L		0.001		1	A3114 B	05/08/08 16:40/eli-ca
Silver	ND	mg/L		0.005		1	E200.8	05/20/08 12:31/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/20/08 12:31/eli-c
Uranium	0.0557	mg/L		0.0003		1	E200.8	05/20/08 12:31/eli-c

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.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-001
Client Sample ID: DewBurd GW676

Report Date: 06/27/08
Collection Date: 04/29/08 12:27
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		2	E200.7	05/19/08 15:47/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	05/19/08 15:47/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	05/18/08 13:13/eli-c
NUTRIENT PARAMETERS								
Nitrogen, Nitrate as N	0.76	mg/L		0.05		1	E353.2	05/14/08 00:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.05		1	E353.2	05/01/08 12:50/jmh
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	05/08/08 11:30/eli-ca
Selenium-VI	0.009	mg/L		0.001		1	A3114 B	05/09/08 10:02/eli-ca
METALS, TOTAL								
Mercury	ND	mg/L	H	0.00010		1	A3112 B	06/12/08 14:24/eli-ca
RADIONUCLIDES - DISSOLVED								
Gross Alpha	51.6	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Alpha precision (±)	9.1	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Alpha MDC	8.5	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Beta	9.2	pCi/L	U			1	E900.0	05/20/08 10:25/eli-c
Gross Beta precision (±)	5.8	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Beta MDC	9.4	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Lead 210	-0.9	pCi/L	U	1.0		1	E909.0M	05/27/08 08:30/eli-c
Lead 210 precision (±)	14.3	pCi/L				1	E909.0M	05/27/08 08:30/eli-c
Polonium 210	1.1	pCi/L		1.0		1	RMO-3008	05/06/08 17:00/eli-c
Polonium 210 precision (±)	1.0	pCi/L				1	RMO-3008	05/06/08 17:00/eli-c
Radium 226	0.2	pCi/L				1	E903.0	05/19/08 18:41/eli-c
Radium 226 precision (±)	0.08	pCi/L				1	E903.0	05/19/08 18:41/eli-c
Radium 226 MDC	0.08	pCi/L				1	E903.0	05/19/08 18:41/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	05/21/08 15:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	05/21/08 15:00/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/01/08 17:22/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	05/01/08 17:22/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-6.7	pCi/L	U	1.0		1	E909.0M	05/22/08 09:00/eli-c

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.
H - Analysis performed past recommended holding time.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-001
Client Sample ID: DewBurd GW676

Report Date: 06/27/08
Collection Date: 04/29/08 12:27
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Lead 210 precision (±)	12.9	pCi/L				1	E909.0M	05/22/08 09:00/eli-c
Polonium 210	0.1	pCi/L	U	1.0		1	RMO-3008	06/02/08 13:40/eli-c
Polonium 210 precision (±)	0.31	pCi/L				1	RMO-3008	06/02/08 13:40/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	05/19/08 16:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	05/19/08 16:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	755	pCi/L		100		1	D5072-92	05/04/08 18:36/eli-c
Radon 222 precision (±)	96.4	pCi/L				1	D5072-92	05/04/08 18:36/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	05/08/08 23:42/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	05/08/08 23:42/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/08/08 23:42/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	05/08/08 23:42/eli-c
Boron	0.4	mg/L		0.1		2	E200.7	05/09/08 02:05/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/08/08 23:42/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/08/08 23:42/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/08/08 23:42/eli-c
Iron	0.57	mg/L		0.03		2	E200.7	05/09/08 02:05/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/08/08 23:42/eli-c
Manganese	0.03	mg/L		0.01		1	E200.8	05/08/08 23:42/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/08/08 23:42/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	05/08/08 23:42/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/08/08 23:42/eli-c
Selenium	0.012	mg/L		0.001		1	E200.8	05/08/08 23:42/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/08/08 23:42/eli-c
Strontium	8.6	mg/L		0.1		1	E200.8	05/08/08 23:42/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/08/08 23:42/eli-c
Uranium	0.0591	mg/L		0.0003		1	E200.8	05/08/08 23:42/eli-c
Zinc	0.03	mg/L		0.01		1	E200.8	05/08/08 23:42/eli-c
DATA QUALITY								
A/C Balance (± 5)	1.76					1	A1030 E	06/19/08 00:00/ADM
Anions	41.4	meq/L				1	A1030 E	06/19/08 00:00/ADM
Cations	430	meq/L				1	A1030 E	06/19/08 00:00/ADM
Solids, Total Dissolved Calculated	2720	mg/L				1	A1030 E	06/19/08 00:00/ADM
TDS Balance (0.80 - 1.20)	0.950					1	A1030 E	06/19/08 00:00/ADM

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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: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-002
Client Sample ID: DewBurd GW678

Report Date: 06/27/08
Collection Date: 04/29/08 13:41
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	478	mg/L		5		1	A2320 B	05/01/08 10:51/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	05/01/08 10:51/mb
Bicarbonate as HCO3	583	mg/L		5		1	A2320 B	05/01/08 10:51/mb
Calcium	457	mg/L		0.5		2	E200.7	05/19/08 16:58/eli-c
Chloride	54	mg/L		1		5	E300.0	05/12/08 22:17/eli-g
Fluoride	1.0	mg/L		0.1		5	E300.0	05/12/08 22:17/eli-g
Magnesium	500	mg/L		0.5		2	E200.7	05/19/08 16:58/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	05/06/08 15:01/jmh
Potassium	17.4	mg/L		0.5		2	E200.7	05/19/08 16:58/eli-c
Silica	7.9	mg/L		0.5		2	E200.7	05/19/08 16:58/eli-c
Sodium	643	mg/L	D	2		2	E200.7	05/19/08 16:58/eli-c
Sulfate	3740	mg/L		1		25	E300.0	05/11/08 05:32/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	6300	umhos/cm		5.0		1	A2510 B	05/08/08 14:18/tb
Oxidation-Reduction Potential	260	mV				1	A2580 B	05/05/08 00:00/jmh
pH	7.55	s.u.		0.01		1	A4500-H B	05/06/08 14:11/jmh
Sodium Adsorption Ratio (SAR)	4.9	unitless		0.10		1	Calculation	06/18/08 18:05/ADM
Solids, Total Dissolved TDS @ 180 C	5400	mg/L		5		1	A2540 C	05/01/08 15:03/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/19/08 16:58/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	05/20/08 12:38/eli-c
Barium	ND	mg/L		0.1		2	E200.7	05/19/08 16:58/eli-c
Boron	1.4	mg/L		0.1		2	E200.7	05/19/08 16:58/eli-c
Cadmium	ND	mg/L		0.005		2	E200.7	05/19/08 16:58/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/19/08 16:58/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/20/08 12:38/eli-c
Iron	ND	mg/L		0.03		2	E200.7	05/19/08 16:58/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/20/08 12:38/eli-c
Manganese	2.66	mg/L		0.01		1	E200.8	05/20/08 12:38/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/20/08 12:38/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	05/19/08 16:58/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	05/19/08 16:58/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	05/08/08 16:46/eli-ca
Silver	ND	mg/L		0.005		1	E200.8	05/20/08 12:38/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/20/08 12:38/eli-c
Uranium	0.0355	mg/L		0.0003		1	E200.8	05/20/08 12:38/eli-c

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.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-002
Client Sample ID: DewBurd GW678

Report Date: 06/27/08
Collection Date: 04/29/08 13:41
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	0.2	mg/L		0.1		2	E200.7	05/19/08 16:58/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	05/19/08 16:58/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	05/18/08 13:17/eli-c
NUTRIENT PARAMETERS								
Nitrogen, Nitrate as N	0.09	mg/L		0.05		1	E353.2	05/14/08 00:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.05		1	E353.2	05/01/08 12:56/jmh
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	05/08/08 11:37/eli-ca
Selenium-VI	ND	mg/L		0.001		1	A3114 B	05/09/08 10:02/eli-ca
METALS, TOTAL								
Mercury	0.00010	mg/L	H	0.00010		1	A3112 B	06/12/08 14:32/eli-ca
RADIONUCLIDES - DISSOLVED								
Gross Alpha	54.7	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Alpha precision (±)	15.8	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Alpha MDC	18.4	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Beta	12.8	pCi/L	U			1	E900.0	05/20/08 10:25/eli-c
Gross Beta precision (±)	16.6	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Beta MDC	27.6	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Lead 210	-1.2	pCi/L	U	1.0		1	E909.0M	05/27/08 08:30/eli-c
Lead 210 precision (±)	23.9	pCi/L				1	E909.0M	05/27/08 08:30/eli-c
Polonium 210	1.3	pCi/L		1.0		1	RMO-3008	05/06/08 17:00/eli-c
Polonium 210 precision (±)	1.1	pCi/L				1	RMO-3008	05/06/08 17:00/eli-c
Radium 226	0.2	pCi/L				1	E903.0	05/19/08 18:41/eli-c
Radium 226 precision (±)	0.07	pCi/L				1	E903.0	05/19/08 18:41/eli-c
Radium 226 MDC	0.08	pCi/L				1	E903.0	05/19/08 18:41/eli-c
Thorium 230	0.2	pCi/L		0.2		1	E907.0	05/29/08 16:00/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	05/29/08 16:00/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/01/08 17:22/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	05/01/08 17:22/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-1.5	pCi/L	U	1.0		1	E909.0M	05/22/08 09:00/eli-c

Report Definitions:
RL - Analyte reporting limit.
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MDC - Minimum detectable concentration
U - Not detected at minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-002
Client Sample ID: DewBurd GW678

Report Date: 06/27/08
Collection Date: 04/29/08 13:41
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Lead 210 precision (±)	13.0	pCi/L				1	E909.0M	05/22/08 09:00/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	06/02/08 13:40/eli-c
Polonium 210 precision (±)	0.17	pCi/L				1	RMO-3008	06/02/08 13:40/eli-c
Radium 226	0.7	pCi/L				1	E903.0	05/21/08 08:27/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	05/21/08 08:27/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	05/21/08 08:27/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	05/19/08 16:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	05/19/08 16:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	687	pCi/L		100		1	D5072-92	05/04/08 18:36/eli-c
Radon 222 precision (±)	94.7	pCi/L				1	D5072-92	05/04/08 18:36/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	05/08/08 23:49/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	05/08/08 23:49/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/08/08 23:49/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	05/08/08 23:49/eli-c
Boron	1.4	mg/L		0.1		2	E200.7	05/09/08 02:09/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/08/08 23:49/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/08/08 23:49/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/08/08 23:49/eli-c
Iron	ND	mg/L		0.03		2	E200.7	05/09/08 02:09/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/08/08 23:49/eli-c
Manganese	2.61	mg/L		0.01		1	E200.8	05/08/08 23:49/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/08/08 23:49/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	05/08/08 23:49/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/08/08 23:49/eli-c
Selenium	0.003	mg/L		0.001		1	E200.8	05/08/08 23:49/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/08/08 23:49/eli-c
Strontium	11.0	mg/L		0.1		1	E200.8	05/08/08 23:49/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/08/08 23:49/eli-c
Uranium	0.0387	mg/L		0.0003		1	E200.8	05/08/08 23:49/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/08/08 23:49/eli-c
DATA QUALITY								
A/C Balance (± 5)	1.90					1	A1030 E	06/19/08 00:00/ADM
Anions	89.1	meq/L				1	A1030 E	06/19/08 00:00/ADM

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-002
Client Sample ID: DewBurd GW678

Report Date: 06/27/08
Collection Date: 04/29/08 13:41
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
Cations	92.6	meq/L				1	A1030 E	06/19/08 00:00/ADM
Solids, Total Dissolved Calculated	5730	mg/L				1	A1030 E	06/19/08 00:00/ADM
TDS Balance (0.80 - 1.20)	0.950					1	A1030 E	06/19/08 00:00/ADM

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-003
Client Sample ID: DewBurd GW677

Report Date: 06/27/08
Collection Date: 04/29/08 15:14
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	480	mg/L		5		1	A2320 B	05/01/08 11:00/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	05/01/08 11:00/mb
Bicarbonate as HCO3	585	mg/L		5		1	A2320 B	05/01/08 11:00/mb
Calcium	516	mg/L		0.5		2	E200.7	05/19/08 17:06/eli-c
Chloride	1710	mg/L	D	2		25	E300.0	05/11/08 05:44/eli-g
Fluoride	0.7	mg/L		0.1		5	E300.0	05/12/08 22:29/eli-g
Magnesium	454	mg/L		0.5		2	E200.7	05/19/08 17:06/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	05/06/08 15:02/jmh
Potassium	9.8	mg/L		0.5		2	E200.7	05/19/08 17:06/eli-c
Silica	4.2	mg/L		0.5		2	E200.7	05/19/08 17:06/eli-c
Sodium	2140	mg/L	D	8		10	E200.7	06/20/08 15:46/eli-c
Sulfate	4410	mg/L		1		25	E300.0	05/11/08 05:44/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	12100	umhos/cm		5.0		1	A2510 B	05/08/08 14:22/tb
Oxidation-Reduction Potential	210	mV				1	A2580 B	05/05/08 00:00/jmh
pH	7.28	s.u.		0.01		1	A4500-H B	05/06/08 14:11/jmh
Sodium Adsorption Ratio (SAR)	17	unitless		0.10		1	Calculation	06/24/08 10:21/ADM
Solids, Total Dissolved TDS @ 180 C	9100	mg/L		5		1	A2540 C	05/01/08 15:04/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/19/08 17:06/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	05/20/08 12:45/eli-c
Barium	ND	mg/L		0.1		2	E200.7	05/19/08 17:06/eli-c
Boron	0.7	mg/L		0.1		2	E200.7	05/19/08 17:06/eli-c
Cadmium	ND	mg/L		0.005		2	E200.7	05/19/08 17:06/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/19/08 17:06/eli-c
Copper	ND	mg/L		0.01		1	E200.7	05/20/08 14:46/eli-c
Iron	ND	mg/L		0.03		2	E200.7	05/19/08 17:06/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/20/08 12:45/eli-c
Manganese	1.62	mg/L		0.01		1	E200.8	05/20/08 12:45/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/20/08 12:45/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	05/19/08 17:06/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	05/19/08 17:06/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	05/08/08 16:48/eli-ca
Silver	ND	mg/L		0.005		1	E200.8	05/20/08 12:45/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/20/08 12:45/eli-c
Uranium	0.0450	mg/L		0.0003		1	E200.8	05/20/08 12:45/eli-c

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.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-003
Client Sample ID: DewBurd GW677

Report Date: 06/27/08
Collection Date: 04/29/08 15:14
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		2	E200.7	05/19/08 17:06/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	05/19/08 17:06/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	05/18/08 13:22/eli-c
NUTRIENT PARAMETERS								
Nitrogen, Nitrate as N	0.11	mg/L		0.05		1	E353.2	05/14/08 00:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.05		1	E353.2	05/01/08 12:58/jmh
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	05/08/08 11:39/eli-ca
Selenium-VI	ND	mg/L		0.001		1	A3114 B	05/09/08 10:02/eli-ca
METALS, TOTAL								
Mercury	ND	mg/L	H	0.00010		1	A3112 B	06/12/08 14:34/eli-ca
RADIONUCLIDES - DISSOLVED								
Gross Alpha	43.1	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Alpha precision (±)	23.4	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Alpha MDC	32.5	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Beta	-30	pCi/L	U			1	E900.0	05/20/08 10:25/eli-c
Gross Beta precision (±)	20.5	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Beta MDC	35.3	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	05/27/08 08:30/eli-c
Lead 210 precision (±)	14.5	pCi/L				1	E909.0M	05/27/08 08:30/eli-c
Polonium 210	0.4	pCi/L	U	1.0		1	RMO-3008	05/06/08 17:00/eli-c
Polonium 210 precision (±)	0.70	pCi/L				1	RMO-3008	05/06/08 17:00/eli-c
Radium 226	0.1	pCi/L				1	E903.0	05/19/08 18:41/eli-c
Radium 226 precision (±)	0.07	pCi/L				1	E903.0	05/19/08 18:41/eli-c
Radium 226 MDC	0.08	pCi/L				1	E903.0	05/19/08 18:41/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	05/29/08 16:00/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	05/29/08 16:00/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/01/08 17:22/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	05/01/08 17:22/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-2.3	pCi/L	U	1.0		1	E909.0M	05/22/08 09:00/eli-c

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.
H - Analysis performed past recommended holding time.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-003
Client Sample ID: DewBurd GW677

Report Date: 06/27/08
Collection Date: 04/29/08 15:14
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Lead 210 precision (±)	13.0	pCi/L				1	E909.0M	05/22/08 09:00/eli-c
Polonium 210	-0.2	pCi/L	U	1.0		1	RMO-3008	06/02/08 13:40/eli-c
Polonium 210 precision (±)	0.024	pCi/L				1	RMO-3008	06/02/08 13:40/eli-c
Radium 226	0.3	pCi/L				1	E903.0	05/21/08 08:27/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	05/21/08 08:27/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	05/21/08 08:27/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	05/19/08 16:00/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	05/19/08 16:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	1250	pCi/L		100		1	D5072-92	05/04/08 18:36/eli-c
Radon 222 precision (±)	101	pCi/L				1	D5072-92	05/04/08 18:36/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	05/08/08 23:55/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	05/08/08 23:55/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/08/08 23:55/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	05/08/08 23:55/eli-c
Boron	0.7	mg/L		0.1		2	E200.7	05/09/08 02:13/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/08/08 23:55/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/08/08 23:55/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/08/08 23:55/eli-c
Iron	0.04	mg/L		0.03		2	E200.7	05/09/08 02:13/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/08/08 23:55/eli-c
Manganese	1.71	mg/L		0.01		1	E200.8	05/08/08 23:55/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/08/08 23:55/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	05/08/08 23:55/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/08/08 23:55/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	05/08/08 23:55/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/08/08 23:55/eli-c
Strontium	11.6	mg/L		0.1		1	E200.8	05/08/08 23:55/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/08/08 23:55/eli-c
Uranium	0.0471	mg/L		0.0003		1	E200.8	05/08/08 23:55/eli-c
Zinc	0.01	mg/L		0.01		1	E200.8	05/08/08 23:55/eli-c
DATA QUALITY								
A/C Balance (± 5)	2.30					1	A1030 E	06/26/08 00:00/jmh
Anions	150	meq/L				1	A1030 E	06/26/08 00:00/jmh

Report Definitions:
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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: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-003
Client Sample ID: DewBurd GW677

Report Date: 06/27/08
Collection Date: 04/29/08 15:14
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
Cations	157	meq/L				1	A1030 E	06/26/08 00:00/jmh
Solids, Total Dissolved Calculated	9550	mg/L				1	A1030 E	06/26/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.950					1	A1030 E	06/26/08 00:00/jmh

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-004
Client Sample ID: DewBurd GW675

Report Date: 06/27/08
Collection Date: 04/29/08 17:47
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	422	mg/L		5		1	A2320 B	05/01/08 12:17/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	05/01/08 12:17/mb
Bicarbonate as HCO3	514	mg/L		5		1	A2320 B	05/01/08 12:17/mb
Calcium	450	mg/L		0.5		2	E200.7	05/19/08 17:10/eli-c
Chloride	64	mg/L		1		5	E300.0	05/12/08 22:41/eli-g
Fluoride	0.5	mg/L		0.1		5	E300.0	05/12/08 22:41/eli-g
Magnesium	408	mg/L		0.5		2	E200.7	05/19/08 17:10/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	05/06/08 15:06/jmh
Potassium	21.7	mg/L		0.5		2	E200.7	05/19/08 17:10/eli-c
Silica	7.3	mg/L		0.5		2	E200.7	05/19/08 17:10/eli-c
Sodium	809	mg/L	D	2		2	E200.7	05/19/08 17:10/eli-c
Sulfate	3810	mg/L		1		25	E300.0	05/11/08 05:56/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	6560	umhos/cm		5.0		1	A2510 B	05/08/08 14:24/tb
Oxidation-Reduction Potential	240	mV				1	A2580 B	05/05/08 00:00/jmh
pH	7.53	s.u.		0.01		1	A4500-H B	05/06/08 14:12/jmh
Sodium Adsorption Ratio (SAR)	6.6	unitless		0.10		1	Calculation	06/18/08 18:05/ADM
Solids, Total Dissolved TDS @ 180 C	5700	mg/L		5		1	A2540 C	05/01/08 15:04/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/19/08 17:10/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	05/20/08 12:51/eli-c
Barium	ND	mg/L		0.1		2	E200.7	05/19/08 17:10/eli-c
Boron	0.3	mg/L		0.1		2	E200.7	05/19/08 17:10/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/20/08 12:51/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/19/08 17:10/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/20/08 12:51/eli-c
Iron	1.88	mg/L		0.03		2	E200.7	05/19/08 17:10/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/20/08 12:51/eli-c
Manganese	3.02	mg/L		0.01		2	E200.7	05/19/08 17:10/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/20/08 12:51/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	05/19/08 17:10/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	05/19/08 17:10/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	05/08/08 16:51/eli-ca
Silver	ND	mg/L		0.005		1	E200.8	05/20/08 12:51/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/20/08 12:51/eli-c
Uranium	0.0493	mg/L		0.0003		1	E200.8	05/20/08 12:51/eli-c

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.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-004
Client Sample ID: DewBurd GW675

Report Date: 06/27/08
Collection Date: 04/29/08 17:47
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		2	E200.7	05/19/08 17:10/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	05/19/08 17:10/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	05/18/08 13:26/eli-c
NUTRIENT PARAMETERS								
Nitrogen, Nitrate as N	0.07	mg/L		0.05		1	E353.2	05/14/08 00:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.05		1	E353.2	05/01/08 13:01/jmh
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	05/08/08 11:41/eli-ca
Selenium-VI	ND	mg/L		0.001		1	A3114 B	05/09/08 10:02/eli-ca
METALS, TOTAL								
Mercury	ND	mg/L	H	0.00010		1	A3112 B	06/12/08 14:36/eli-ca
RADIONUCLIDES - DISSOLVED								
Gross Alpha	55.2	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Alpha precision (±)	15.9	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Alpha MDC	18.4	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Beta	8.0	pCi/L	U			1	E900.0	05/20/08 10:25/eli-c
Gross Beta precision (±)	16.5	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Beta MDC	27.4	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	05/27/08 08:30/eli-c
Lead 210 precision (±)	14.5	pCi/L				1	E909.0M	05/27/08 08:30/eli-c
Polonium 210	0.6	pCi/L	U	1.0		1	RMO-3008	05/06/08 17:00/eli-c
Polonium 210 precision (±)	0.80	pCi/L				1	RMO-3008	05/06/08 17:00/eli-c
Radium 226	0.2	pCi/L				1	E903.0	05/19/08 18:41/eli-c
Radium 226 precision (±)	0.09	pCi/L				1	E903.0	05/19/08 18:41/eli-c
Radium 226 MDC	0.08	pCi/L				1	E903.0	05/19/08 18:41/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	05/21/08 15:00/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	05/21/08 15:00/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/01/08 17:22/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	05/01/08 17:22/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-19.2	pCi/L	U	1.0		1	E909.0M	05/22/08 09:00/eli-c

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.
H - Analyses performed past recommended holding time.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-004
Client Sample ID: DewBurd GW675

Report Date: 06/27/08
Collection Date: 04/29/08 17:47
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Lead 210 precision (±)	12.7	pCi/L				1	E909.0M	05/22/08 09:00/eli-c
Polonium 210	0.3	pCi/L	U	1.0		1	RMO-3008	06/02/08 13:40/eli-c
Polonium 210 precision (±)	0.38	pCi/L				1	RMO-3008	06/02/08 13:40/eli-c
Radium 226	0.7	pCi/L				1	E903.0	05/21/08 08:27/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	05/21/08 08:27/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	05/21/08 08:27/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	05/19/08 16:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	05/19/08 16:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	960	pCi/L		100		1	D5072-92	05/04/08 18:36/eli-c
Radon 222 precision (±)	95.5	pCi/L				1	D5072-92	05/04/08 18:36/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	05/09/08 00:02/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	05/09/08 00:02/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/09/08 00:02/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	05/09/08 00:02/eli-c
Boron	0.3	mg/L		0.1		2	E200.7	05/09/08 02:17/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/09/08 00:02/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/09/08 00:02/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/09/08 00:02/eli-c
Iron	5.03	mg/L		0.03		2	E200.7	05/09/08 02:17/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/09/08 00:02/eli-c
Manganese	3.02	mg/L		0.01		1	E200.8	05/09/08 00:02/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/09/08 00:02/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	05/09/08 00:02/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/09/08 00:02/eli-c
Selenium	0.002	mg/L		0.001		1	E200.8	05/09/08 00:02/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/09/08 00:02/eli-c
Strontium	8.8	mg/L		0.1		1	E200.8	05/09/08 00:02/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/09/08 00:02/eli-c
Uranium	0.0502	mg/L		0.0003		1	E200.8	05/09/08 00:02/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/09/08 00:02/eli-c
DATA QUALITY								
A/C Balance (± 5)	1.42					1	A1030 E	06/19/08 00:00/ADM
Anions	89.5	meq/L				1	A1030 E	06/19/08 00:00/ADM

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

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-004
Client Sample ID: DewBurd GW675

Report Date: 06/27/08
Collection Date: 04/29/08 17:47
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
Cations	92.1	meq/L				1	A1030 E	06/19/08 00:00/ADM
Solids, Total Dissolved Calculated	5830	mg/L				1	A1030 E	06/19/08 00:00/ADM
TDS Balance (0.80 - 1.20)	0.970					1	A1030 E	06/19/08 00:00/ADM

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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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-005
Client Sample ID: DewBurd GW675

Report Date: 06/27/08
Collection Date: 04/29/08 17:50
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	428	mg/L		5		1	A2320 B	05/01/08 14:04/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	05/01/08 14:04/mb
Bicarbonate as HCO3	522	mg/L		5		1	A2320 B	05/01/08 14:04/mb
Calcium	452	mg/L		0.5		2	E200.7	05/19/08 17:14/eli-c
Chloride	64	mg/L		1		5	E300.0	05/12/08 23:16/eli-g
Fluoride	0.5	mg/L		0.1		5	E300.0	05/12/08 23:16/eli-g
Magnesium	416	mg/L		0.5		2	E200.7	05/19/08 17:14/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	05/06/08 15:09/jmh
Potassium	21.4	mg/L		0.5		2	E200.7	05/19/08 17:14/eli-c
Silica	7.4	mg/L		0.5		2	E200.7	05/19/08 17:14/eli-c
Sodium	789	mg/L	D	2		2	E200.7	05/19/08 17:14/eli-c
Sulfate	3840	mg/L		1		25	E300.0	05/11/08 06:07/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	6530	umhos/cm		5.0		1	A2510 B	05/08/08 14:28/tb
Oxidation-Reduction Potential	240	mV				1	A2580 B	05/05/08 00:00/jmh
pH	7.79	s.u.		0.01		1	A4500-H B	05/06/08 14:12/jmh
Sodium Adsorption Ratio (SAR)	6.4	unitless		0.10		1	Calculation	06/18/08 18:05/ADM
Solids, Total Dissolved TDS @ 180 C	4800	mg/L		5		1	A2540 C	05/01/08 15:05/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/19/08 17:14/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	05/20/08 12:58/eli-c
Barium	ND	mg/L		0.1		2	E200.7	05/19/08 17:14/eli-c
Boron	0.3	mg/L		0.1		2	E200.7	05/19/08 17:14/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/20/08 12:58/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/19/08 17:14/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/20/08 12:58/eli-c
Iron	2.32	mg/L		0.03		2	E200.7	05/19/08 17:14/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/20/08 12:58/eli-c
Manganese	2.66	mg/L		0.01		1	E200.8	05/20/08 12:58/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/20/08 12:58/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	05/19/08 17:14/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	05/19/08 17:14/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	05/08/08 16:53/eli-ca
Silver	ND	mg/L		0.005		1	E200.8	05/20/08 12:58/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/20/08 12:58/eli-c
Uranium	0.0485	mg/L		0.0003		1	E200.8	05/20/08 12:58/eli-c

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.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-005
Client Sample ID: DewBurd GW675

Report Date: 06/27/08
Collection Date: 04/29/08 17:50
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		2	E200.7	05/19/08 17:14/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	05/19/08 17:14/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	05/18/08 13:30/eli-c
NUTRIENT PARAMETERS								
Nitrogen, Nitrate as N	0.07	mg/L		0.05		1	E353.2	05/14/08 00:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.05		1	E353.2	05/01/08 13:03/jmh
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	05/08/08 11:43/eli-ca
Selenium-VI	ND	mg/L		0.001		1	A3114 B	05/09/08 10:02/eli-ca
METALS, TOTAL								
Mercury	ND	mg/L	H	0.00010		1	A3112 B	06/12/08 14:38/eli-ca
RADIONUCLIDES - DISSOLVED								
Gross Alpha	51.1	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Alpha precision (±)	15.5	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Alpha MDC	18.3	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Beta	-0.4	pCi/L	U			1	E900.0	05/20/08 10:25/eli-c
Gross Beta precision (±)	16.3	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Beta MDC	27.3	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	05/27/08 08:30/eli-c
Lead 210 precision (±)	14.5	pCi/L				1	E909.0M	05/27/08 08:30/eli-c
Polonium 210	1.2	pCi/L		1.0		1	RMO-3008	05/06/08 17:00/eli-c
Polonium 210 precision (±)	1.0	pCi/L				1	RMO-3008	05/06/08 17:00/eli-c
Radium 226	0.2	pCi/L				1	E903.0	05/19/08 18:41/eli-c
Radium 226 precision (±)	0.08	pCi/L				1	E903.0	05/19/08 18:41/eli-c
Radium 226 MDC	0.08	pCi/L				1	E903.0	05/19/08 18:41/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	05/29/08 16:00/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	05/29/08 16:00/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/01/08 17:22/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	05/01/08 17:22/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-5.2	pCi/L	U	1.0		1	E909.0M	05/22/08 09:00/eli-c

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.
H - Analysis performed past recommended holding time.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-005
Client Sample ID: DewBurd GW675

Report Date: 06/27/08
Collection Date: 04/29/08 17:50
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Lead 210 precision (±)	12.9	pCi/L				1	E909.0M	05/22/08 09:00/eli-c
Polonium 210	-0.1	pCi/L	U	1.0		1	RMO-3008	06/02/08 13:40/eli-c
Polonium 210 precision (±)	0.024	pCi/L				1	RMO-3008	06/02/08 13:40/eli-c
Radium 226	0.7	pCi/L				1	E903.0	05/21/08 10:15/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	05/21/08 10:15/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	05/21/08 10:15/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	05/19/08 16:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	05/19/08 16:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	960	pCi/L		100		1	D5072-92	05/04/08 18:36/eli-c
Radon 222 precision (±)	95.5	pCi/L				1	D5072-92	05/04/08 18:36/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	05/09/08 00:36/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	05/09/08 00:36/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/09/08 00:36/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	05/09/08 00:36/eli-c
Boron	0.3	mg/L		0.1		2	E200.7	05/09/08 02:21/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/09/08 00:36/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/09/08 00:36/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/09/08 00:36/eli-c
Iron	5.12	mg/L		0.03		2	E200.7	05/09/08 02:21/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/09/08 00:36/eli-c
Manganese	2.75	mg/L		0.01		1	E200.8	05/09/08 00:36/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/09/08 00:36/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	05/09/08 00:36/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/09/08 00:36/eli-c
Selenium	0.002	mg/L		0.001		1	E200.8	05/09/08 00:36/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/09/08 00:36/eli-c
Strontium	8.6	mg/L		0.1		1	E200.8	05/09/08 00:36/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/09/08 00:36/eli-c
Uranium	0.0516	mg/L		0.0003		1	E200.8	05/09/08 00:36/eli-c
Zinc	0.01	mg/L		0.01		1	E200.8	05/09/08 00:36/eli-c
DATA QUALITY								
A/C Balance (± 5)	0.840					1	A1030 E	06/19/08 00:00/ADM
Anions	90.4	meq/L				1	A1030 E	06/19/08 00:00/ADM

Report Definitions:
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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: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-005
Client Sample ID: DewBurd GW675

Report Date: 06/27/08
Collection Date: 04/29/08 17:50
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
Cations	91.9	meq/L				1	A1030 E	06/19/08 00:00/ADM
Solids, Total Dissolved Calculated	5860	mg/L				1	A1030 E	06/19/08 00:00/ADM
TDS Balance (0.80 - 1.20)	0.820					1	A1030 E	06/19/08 00:00/ADM

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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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-006
Client Sample ID: DewBurd BLK01

Report Date: 06/27/08
Collection Date: 04/29/08 18:00
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	ND	mg/L		5		1	A2320 B	05/01/08 12:31/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	05/01/08 12:31/mb
Bicarbonate as HCO3	ND	mg/L		5		1	A2320 B	05/01/08 12:31/mb
Calcium	ND	mg/L		0.5		2	E200.7	05/19/08 17:18/eli-c
Chloride	ND	mg/L		1		1	E300.0	05/11/08 06:19/eli-g
Fluoride	ND	mg/L		0.1		1	E300.0	05/11/08 06:19/eli-g
Magnesium	ND	mg/L		0.5		2	E200.7	05/19/08 17:18/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	05/06/08 15:10/jmh
Potassium	ND	mg/L		0.5		2	E200.7	05/19/08 17:18/eli-c
Silica	ND	mg/L		0.5		2	E200.7	05/19/08 17:18/eli-c
Sodium	ND	mg/L	D	2		2	E200.7	05/19/08 17:18/eli-c
Sulfate	ND	mg/L		1		1	E300.0	05/11/08 06:19/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	ND	umhos/cm		5.0		1	A2510 B	05/08/08 14:28/tb
Oxidation-Reduction Potential	290	mV				1	A2580 B	05/05/08 00:00/jmh
pH	6.66	s.u.		0.01		1	A4500-H B	05/06/08 14:15/jmh
Sodium Adsorption Ratio (SAR)	ND	unitless		0.10		1	Calculation	06/18/08 18:05/ADM
Solids, Total Dissolved TDS @ 180 C	ND	mg/L		5		1	A2540 C	06/26/08 00:00/mb
- SAR calculations may not be appropriate for near blank results.								
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/19/08 17:18/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	05/20/08 13:25/eli-c
Barium	ND	mg/L		0.1		2	E200.7	05/19/08 17:18/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/19/08 17:18/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/20/08 13:25/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/19/08 17:18/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/20/08 13:25/eli-c
Iron	ND	mg/L		0.03		2	E200.7	05/19/08 17:18/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/20/08 13:25/eli-c
Manganese	ND	mg/L		0.01		2	E200.7	05/19/08 17:18/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/20/08 13:25/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	05/19/08 17:18/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	05/19/08 17:18/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	05/08/08 16:55/eli-ca
Silver	ND	mg/L		0.005		1	E200.8	05/20/08 13:25/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/20/08 13:25/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	05/20/08 13:25/eli-c

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.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-006
Client Sample ID: DewBurd BLK01

Report Date: 06/27/08
Collection Date: 04/29/08 18:00
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		2	E200.7	05/19/08 17:18/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	05/19/08 17:18/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	05/18/08 13:34/eli-c
NUTRIENT PARAMETERS								
Nitrogen, Nitrate as N	ND	mg/L		0.05		1	E353.2	05/14/08 00:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.05		1	E353.2	05/01/08 13:05/jmh
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	05/08/08 11:59/eli-ca
Selenium-VI	ND	mg/L		0.001		1	A3114 B	05/09/08 10:02/eli-ca
METALS, TOTAL								
Mercury	ND	mg/L	H	0.00010		1	A3112 B	06/12/08 14:41/eli-ca
RADIONUCLIDES - DISSOLVED								
Gross Alpha	0.4	pCi/L	U			1	E900.0	05/20/08 10:25/eli-c
Gross Alpha precision (±)	0.5	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Alpha MDC	0.8	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Beta	-0.3	pCi/L	U			1	E900.0	05/20/08 10:25/eli-c
Gross Beta precision (±)	1.5	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Beta MDC	2.6	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	05/27/08 08:30/eli-c
Lead 210 precision (±)	14.4	pCi/L				1	E909.0M	05/27/08 08:30/eli-c
Polonium 210	0.4	pCi/L	U	1.0		1	RMO-3008	05/06/08 17:00/eli-c
Polonium 210 precision (±)	0.80	pCi/L				1	RMO-3008	05/06/08 17:00/eli-c
Radium 226	0.1	pCi/L				1	E903.0	05/19/08 18:41/eli-c
Radium 226 precision (±)	0.08	pCi/L				1	E903.0	05/19/08 18:41/eli-c
Radium 226 MDC	0.1	pCi/L				1	E903.0	05/19/08 18:41/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	05/21/08 15:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	05/21/08 15:00/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/01/08 17:22/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	05/01/08 17:22/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-3.0	pCi/L	U	1.0		1	E909.0M	05/22/08 09:00/eli-c

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.
H - Analysis performed past recommended holding time.

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-006
Client Sample ID: DewBurd BLK01

Report Date: 06/27/08
Collection Date: 04/29/08 18:00
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Lead 210 precision (±)	13.0	pCi/L				1	E909.0M	05/22/08 09:00/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	06/02/08 13:40/eli-c
Polonium 210 precision (±)	0.024	pCi/L				1	RMO-3008	06/02/08 13:40/eli-c
Radium 226	0.4	pCi/L				1	E903.0	05/21/08 10:15/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	05/21/08 10:15/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	05/21/08 10:15/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	05/19/08 16:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	05/19/08 16:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	194	pCi/L		100		1	D5072-92	05/04/08 18:36/eli-c
Radon 222 precision (±)	85.4	pCi/L				1	D5072-92	05/04/08 18:36/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	05/09/08 00:43/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	05/09/08 00:43/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/09/08 00:43/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	05/09/08 00:43/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/09/08 02:25/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/09/08 00:43/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/09/08 00:43/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/09/08 00:43/eli-c
Iron	ND	mg/L		0.03		2	E200.7	05/09/08 02:25/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/09/08 00:43/eli-c
Manganese	ND	mg/L		0.01		1	E200.8	05/09/08 00:43/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/09/08 00:43/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	05/09/08 00:43/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/09/08 00:43/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	05/09/08 00:43/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/09/08 00:43/eli-c
Strontium	ND	mg/L		0.1		1	E200.8	05/09/08 00:43/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/09/08 00:43/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	05/09/08 00:43/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/09/08 00:43/eli-c

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: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-007
Client Sample ID: DewBurd GW635

Report Date: 06/27/08
Collection Date: 04/29/08 19:00
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	118	mg/L		5		1	A2320 B	05/01/08 12:36/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	05/01/08 12:36/mb
Bicarbonate as HCO3	144	mg/L		5		1	A2320 B	05/01/08 12:36/mb
Calcium	136	mg/L		0.5		2	E200.7	05/19/08 17:22/eli-c
Chloride	20	mg/L		1		5	E300.0	05/12/08 23:51/eli-g
Fluoride	0.4	mg/L		0.1		5	E300.0	05/12/08 23:51/eli-g
Magnesium	54.1	mg/L		0.5		2	E200.7	05/19/08 17:22/eli-c
Nitrogen, Ammonia as N	0.5	mg/L		0.1		1	A4500-NH3 G	05/06/08 15:11/jmh
Potassium	7.3	mg/L		0.5		2	E200.7	05/19/08 17:22/eli-c
Silica	4.9	mg/L		0.5		2	E200.7	05/19/08 17:22/eli-c
Sodium	545	mg/L	D	2		2	E200.7	05/19/08 17:22/eli-c
Sulfate	1430	mg/L		1		25	E300.0	05/11/08 06:31/eli-g
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2810	umhos/cm		5.0		1	A2510 B	05/08/08 14:39/tb
Oxidation-Reduction Potential	180	mV				1	A2580 B	05/05/08 00:00/jmh
pH	8.20	s.u.		0.01		1	A4500-H B	05/06/08 14:16/jmh
Sodium Adsorption Ratio (SAR)	10	unitless		0.10		1	Calculation	06/18/08 18:05/ADM
Solids, Total Dissolved TDS @ 180 C	2200	mg/L		5		1	A2540 C	05/01/08 15:06/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/19/08 17:22/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	05/20/08 13:32/eli-c
Barium	ND	mg/L		0.1		2	E200.7	05/19/08 17:22/eli-c
Boron	0.4	mg/L		0.1		2	E200.7	05/19/08 17:22/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/20/08 13:32/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/19/08 17:22/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/20/08 13:32/eli-c
Iron	ND	mg/L		0.03		2	E200.7	05/19/08 17:22/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/20/08 13:32/eli-c
Manganese	0.06	mg/L		0.01		2	E200.7	05/19/08 17:22/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/20/08 13:32/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	05/19/08 17:22/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	05/19/08 17:22/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	05/08/08 17:01/eli-ca
Silver	ND	mg/L		0.005		1	E200.8	05/20/08 13:32/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	05/20/08 13:32/eli-c
Uranium	0.0017	mg/L		0.0003		1	E200.8	05/20/08 13:32/eli-c

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.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-007
Client Sample ID: DewBurd GW635

Report Date: 06/27/08
Collection Date: 04/29/08 19:00
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Vanadium	ND	mg/L		0.1		2	E200.7	05/19/08 17:22/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	05/19/08 17:22/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	05/18/08 13:38/eli-c
NUTRIENT PARAMETERS								
Nitrogen, Nitrate as N	ND	mg/L		0.05		1	E353.2	05/14/08 00:00/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.05		1	E353.2	05/01/08 13:07/jmh
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	05/08/08 12:01/eli-ca
Selenium-VI	ND	mg/L		0.001		1	A3114 B	05/09/08 10:02/eli-ca
METALS, TOTAL								
Mercury	ND	mg/L	H	0.00010		1	A3112 B	06/12/08 14:48/eli-ca
RADIONUCLIDES - DISSOLVED								
Gross Alpha	13.2	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Alpha precision (±)	5.3	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Alpha MDC	6.9	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Beta	-8	pCi/L	U			1	E900.0	05/20/08 10:25/eli-c
Gross Beta precision (±)	5.3	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Gross Beta MDC	9.2	pCi/L				1	E900.0	05/20/08 10:25/eli-c
Lead 210	0.0	pCi/L	U	1.0		1	E909.0M	05/27/08 08:30/eli-c
Lead 210 precision (±)	14.5	pCi/L				1	E909.0M	05/27/08 08:30/eli-c
Polonium 210	1.1	pCi/L		1.0		1	RMO-3008	05/06/08 17:00/eli-c
Polonium 210 precision (±)	1.0	pCi/L				1	RMO-3008	05/06/08 17:00/eli-c
Radium 226	1.3	pCi/L				1	E903.0	05/19/08 18:42/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	05/19/08 18:42/eli-c
Radium 226 MDC	0.08	pCi/L				1	E903.0	05/19/08 18:42/eli-c
Thorium 230	0.2	pCi/L		0.2		1	E907.0	05/21/08 15:00/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	05/21/08 15:00/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/01/08 17:22/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	05/01/08 17:22/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-9.6	pCi/L	U	1.0		1	E909.0M	05/22/08 09:00/eli-c

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U - Not detected at minimum detectable concentration
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-007
Client Sample ID: DewBurd GW635

Report Date: 06/27/08
Collection Date: 04/29/08 19:00
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Lead 210 precision (±)	12.8	pCi/L				1	E909.0M	05/22/08 09:00/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	06/02/08 13:40/eli-c
Polonium 210 precision (±)	0.33	pCi/L				1	RMO-3008	06/02/08 13:40/eli-c
Radium 226	0.3	pCi/L				1	E903.0	05/21/08 10:15/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	05/21/08 10:15/eli-c
Radium 226 MDC	0.3	pCi/L				1	E903.0	05/21/08 10:15/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	05/19/08 16:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	05/19/08 16:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	1070	pCi/L		100		1	D5072-92	05/04/08 18:36/eli-c
Radon 222 precision (±)	96.1	pCi/L				1	D5072-92	05/04/08 18:36/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	05/09/08 00:49/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	05/09/08 00:49/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/09/08 00:49/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	05/09/08 00:49/eli-c
Boron	0.4	mg/L		0.1		2	E200.7	05/09/08 02:29/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	05/09/08 00:49/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	05/09/08 00:49/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/09/08 00:49/eli-c
Iron	1.08	mg/L		0.03		2	E200.7	05/09/08 02:29/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/09/08 00:49/eli-c
Manganese	0.05	mg/L		0.01		1	E200.8	05/09/08 00:49/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	05/09/08 00:49/eli-c
Molybdenum	ND	mg/L		0.1		1	E200.8	05/09/08 00:49/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/09/08 00:49/eli-c
Selenium	0.001	mg/L		0.001		1	E200.8	05/09/08 00:49/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/09/08 00:49/eli-c
Strontium	4.6	mg/L		0.1		1	E200.8	05/09/08 00:49/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/09/08 00:49/eli-c
Uranium	0.0017	mg/L		0.0003		1	E200.8	05/09/08 00:49/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	05/09/08 00:49/eli-c
DATA QUALITY								
A/C Balance (± 5)	3.52					1	A1030 E	06/19/08 00:00/ADM
Anions	32.8	meq/L				1	A1030 E	06/19/08 00:00/ADM

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U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08040364-007
Client Sample ID: DewBurd GW635

Report Date: 06/27/08
Collection Date: 04/29/08 19:00
Date Received: 04/30/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
DATA QUALITY								
Cations	35.2	meq/L				1	A1030 E	06/19/08 00:00/ADM
Solids, Total Dissolved Calculated	2280	mg/L				1	A1030 E	06/19/08 00:00/ADM
TDS Balance (0.80 - 1.20)	0.980					1	A1030 E	06/19/08 00:00/ADM

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/27/08
Work Order: R08040364

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 080430A-ALK-SEL-W	
Sample ID: R08040364-005AMS	Sample Matrix Spike				Run: PH_COND1-R_080429A			05/01/08 12:24	
Alkalinity, Total as CaCO3	534	mg/L	5.0	100	80	120			
Sample ID: R08040364-005AMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_080429A			05/01/08 12:27	
Alkalinity, Total as CaCO3	534	mg/L	5.0	100	80	120	0.0	10	
Method: A2510 B								Batch: 080508_2_COND-PROBE-W	
Sample ID: LCS1-1_080508	Laboratory Control Sample				Run: PH_COND2-R_080508A			05/08/08 13:12	
Conductivity @ 25 C	150	umhos/cm	5.0	100	90	110			
Sample ID: LCS2-1_080508	Laboratory Control Sample				Run: PH_COND2-R_080508A			05/08/08 13:16	
Conductivity @ 25 C	4950	umhos/cm	5.0	99	90	110			
Sample ID: LCS_COND-1_080508	Laboratory Control Sample				Run: PH_COND2-R_080508A			05/08/08 13:18	
Conductivity @ 25 C	1410	umhos/cm	5.0	100	90	110			
Sample ID: R08040364-007ADUP	Sample Duplicate				Run: PH_COND2-R_080508A			05/08/08 14:42	
Conductivity @ 25 C	3090	umhos/cm	5.0				9.5	10	
Method: A2540 C								Batch: 080501A-SLDS-TDS-W	
Sample ID: LCS1_080501A	Laboratory Control Sample				Run: BAL-4-R_080501A			05/05/08 09:44	
Solids, Total Dissolved TDS @ 180 C	220	mg/L	5.0	108	90	110			
Sample ID: MBLK1_080501A	Method Blank				Run: BAL-4-R_080501A			05/01/08 14:28	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: R08040362-018AMS	Sample Matrix Spike				Run: BAL-4-R_080501A			05/05/08 09:53	
Solids, Total Dissolved TDS @ 180 C	2200	mg/L	5.0	124	80	120			S
Sample ID: R08040362-018AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080501A			05/05/08 09:54	
Solids, Total Dissolved TDS @ 180 C	2200	mg/L	5.0	128	80	120	0.4	10	S
Method: A2580 B								Batch: 080505-ORP-ISE-W	
Sample ID: R08040364-007F	Sample Duplicate				Run: PH_COND1-R_080505A			05/05/08 00:00	
Oxidation-Reduction Potential	180	mV					1.9	10	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/27/08
Work Order: R08040364

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3112 B								Batch: C_HG3112-7470-080612	
Sample ID: MBLK	Method Blank				Run: SUB-C102580			06/12/08 14:14	
Mercury	ND	mg/L	5E-05						
Sample ID: 288-88-5	Laboratory Control Sample				Run: SUB-C102580			06/12/08 14:21	
Mercury	0.0051	mg/L	0.00010	103	90	110			
Sample ID: R08040364-001I	Sample Matrix Spike				Run: SUB-C102580			06/12/08 14:26	
Mercury	0.0057	mg/L	0.00010	113	85	115			
Sample ID: R08040364-001I	Sample Matrix Spike Duplicate				Run: SUB-C102580			06/12/08 14:29	
Mercury	0.0057	mg/L	0.00010	112	85	115	0.9	10	
Method: A3114 B								Batch: C_SE3114-080508A	
Sample ID: MBLK	Method Blank				Run: SUB-C100845			05/08/08 11:25	
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-72-6	Laboratory Control Sample				Run: SUB-C100845			05/08/08 11:28	
Selenium-IV	0.050	mg/L	0.0010	101	90	110			
Sample ID: R08040364-001E	Sample Matrix Spike				Run: SUB-C100845			05/08/08 11:33	
Selenium-IV	0.050	mg/L	0.0010	100	85	115			
Sample ID: R08040364-001E	Sample Matrix Spike Duplicate				Run: SUB-C100845			05/08/08 11:35	
Selenium-IV	0.047	mg/L	0.0010	95	85	115	5.4	10	
Method: A3114 B								Batch: C_SE3114-080508B	
Sample ID: MBLK	Method Blank				Run: SUB-C100885			05/08/08 16:36	
Selenium	ND	mg/L	6E-05						
Sample ID: 288-72-6	Laboratory Control Sample				Run: SUB-C100885			05/08/08 16:38	
Selenium	0.047	mg/L	0.0010	95	90	110			
Sample ID: R08040364-001E	Sample Matrix Spike				Run: SUB-C100885			05/08/08 16:42	
Selenium	0.053	mg/L	0.0010	88	85	115			
Sample ID: R08040364-001E	Sample Matrix Spike Duplicate				Run: SUB-C100885			05/08/08 16:44	
Selenium	0.054	mg/L	0.0010	90	85	115	1.8	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/27/08
Work Order: R08040364

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B									Batch: 080506_1_PH-W
Sample ID: LCS_pH-1_080506	Laboratory Control Sample				Run: PH_COND2-R_080506A			05/06/08 14:09	
pH	6.92	s.u.	0.010	101	98.55	101.45			
Sample ID: R08040364-001ADUP	Sample Duplicate				Run: PH_COND2-R_080506A			05/06/08 14:10	
pH	7.48	s.u.	0.010				0.3	1.25	
Method: A4500-NH3 G									Batch: A2008-05-06_2_NH3_01
Sample ID: MBLK-2	Method Blank				Run: TECHAA2-R_080506A			05/06/08 10:09	
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_080506A			05/06/08 10:10	
Nitrogen, Ammonia as N	0.27	mg/L	0.10	108	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_080506A			05/06/08 10:12	
Nitrogen, Ammonia as N	0.27	mg/L	0.10	108	90	110			
Sample ID: R08040362-014CMS	Sample Matrix Spike				Run: TECHAA2-R_080506A			05/06/08 14:53	
Nitrogen, Ammonia as N	0.11	mg/L	0.10	45	80	120			S
Sample ID: R08040362-014CMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080506A			05/06/08 14:54	
Nitrogen, Ammonia as N	0.095	mg/L	0.10	38	80	120	0.0	10	S
Sample ID: R08040364-004BMS	Sample Matrix Spike				Run: TECHAA2-R_080506A			05/06/08 15:07	
Nitrogen, Ammonia as N	0.44	mg/L	0.10	80	80	120			
Sample ID: R08040364-004BMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080506A			05/06/08 15:08	
Nitrogen, Ammonia as N	0.46	mg/L	0.10	88	80	120	4.7	10	
Method: D5072-92									Batch: C_R100659
Sample ID: R08040364-001G	Sample Duplicate				Run: SUB-C100659			05/04/08 18:36	
Radon 222	693	pCi/L	100				8.5	30	
Sample ID: R08040364-007G	Sample Duplicate				Run: SUB-C100659			05/04/08 18:36	
Radon 222	1070	pCi/L	100				0.1	30	
Sample ID: MB-R100659	Method Blank				Run: SUB-C100659			05/04/08 18:36	
Radon 222	20	pCi/L							
Sample ID: LCS-R100659	Laboratory Control Sample				Run: SUB-C100659			05/04/08 18:36	
Radon 222	303	pCi/L	100	94	70	130			

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/27/08
Work Order: R08040364

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_18513
Sample ID: MB-18513	Method Blank				Run: SUB-C100898				05/09/08 01:36
Boron	0.02	mg/L	0.01						
Iron	ND	mg/L	0.009						
Sample ID: LCS3-18513	Laboratory Control Sample				Run: SUB-C100898				05/09/08 01:40
Boron	0.481	mg/L	0.10	93	85	115			
Iron	2.63	mg/L	0.030	105	85	115			
Sample ID: C08050144-001B MS3	Sample Matrix Spike				Run: SUB-C100898				05/09/08 04:07
Boron	0.714	mg/L	0.10	95	70	130			
Iron	2.72	mg/L	0.030	108	70	130			
Sample ID: C08050144-001B MSD3	Sample Matrix Spike Duplicate				Run: SUB-C100898				05/09/08 04:11
Boron	0.737	mg/L	0.10	100	70	130	3.2	20	
Iron	2.73	mg/L	0.030	108	70	130	0.2	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/27/08
Work Order: R08040364

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R101361
Sample ID: MB-080519A	Method Blank				Run: SUB-C101361				05/19/08 15:19
Silica	ND	mg/L	0.02						
Aluminum	ND	mg/L	0.004						
Barium	ND	mg/L	0.006						
Boron	0.02	mg/L	0.008						
Cadmium	ND	mg/L	0.0008						
Calcium	ND	mg/L	0.1						
Chromium	ND	mg/L	0.002						
Iron	ND	mg/L	0.005						
Magnesium	ND	mg/L	0.04						
Manganese	ND	mg/L	0.0003						
Molybdenum	ND	mg/L	0.003						
Nickel	ND	mg/L	0.004						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Vanadium	0.004	mg/L	0.003						
Zinc	ND	mg/L	0.002						
Sample ID: LFB-080519A	Laboratory Fortified Blank				Run: SUB-C101361				05/19/08 15:23
Silica	0.30	mg/L	0.10	98	85	125			
Aluminum	1.1	mg/L	0.10	106	85	125			
Barium	1.0	mg/L	0.10	103	85	125			
Boron	1.1	mg/L	0.10	105	85	125			
Cadmium	1.1	mg/L	0.010	107	85	125			
Calcium	53	mg/L	0.50	107	85	125			
Chromium	1.0	mg/L	0.050	103	85	125			
Iron	1.1	mg/L	0.030	110	85	125			
Magnesium	54	mg/L	0.50	107	85	125			
Manganese	1.0	mg/L	0.010	102	85	125			
Molybdenum	1.0	mg/L	0.10	100	85	125			
Nickel	1.0	mg/L	0.050	103	85	125			
Potassium	47	mg/L	0.50	95	85	125			
Sodium	51	mg/L	0.77	103	85	125			
Vanadium	1.1	mg/L	0.10	107	85	125			
Zinc	1.0	mg/L	0.010	102	85	125			
Sample ID: C08050067-001CMS2	Sample Matrix Spike				Run: SUB-C101361				05/19/08 15:51
Aluminum	2.03	mg/L	0.10	100	70	130			
Barium	2.02	mg/L	0.10	98	70	130			
Boron	2.52	mg/L	0.10	100	70	130			
Cadmium	2.05	mg/L	0.010	101	70	130			
Chromium	2.01	mg/L	0.050	99	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/27/08
Work Order: R08040364

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7								Batch: C_R101361	
Sample ID: C08050067-001CMS2	Sample Matrix Spike				Run: SUB-C101361			05/19/08 15:51	
Iron	2.13	mg/L	0.030	104	70	130			
Manganese	2.02	mg/L	0.010	99	70	130			
Molybdenum	1.94	mg/L	0.10	95	70	130			
Nickel	2.01	mg/L	0.050	99	70	130			
Vanadium	2.17	mg/L	0.10	104	70	130			
Zinc	2.03	mg/L	0.010	99	70	130			
Calcium	654	mg/L	1.0		70	130			A
Magnesium	233	mg/L	1.0	102	70	130			
Potassium	103	mg/L	1.0	91	70	130			
Silica	7.85	mg/L	0.10	71	70	130			
Sodium	194	mg/L	1.5	98	70	130			
Sample ID: C08050067-001CMSD2	Sample Matrix Spike Duplicate				Run: SUB-C101361			05/19/08 15:55	
Aluminum	2.04	mg/L	0.10	100	70	130	0.2	20	
Barium	2.04	mg/L	0.10	99	70	130	1.1	20	
Boron	2.54	mg/L	0.10	102	70	130	1.0	20	
Cadmium	2.06	mg/L	0.010	101	70	130	0.3	20	
Chromium	2.04	mg/L	0.050	100	70	130	1.3	20	
Iron	2.20	mg/L	0.030	108	70	130	3.2	20	
Manganese	2.05	mg/L	0.010	101	70	130	1.7	20	
Molybdenum	2.00	mg/L	0.10	97	70	130	2.8	20	
Nickel	2.03	mg/L	0.050	99	70	130	0.8	20	
Vanadium	2.18	mg/L	0.10	104	70	130	0.3	20	
Zinc	2.06	mg/L	0.010	101	70	130	1.3	20	
Calcium	664	mg/L	1.0		70	130	1.5	20	A
Magnesium	239	mg/L	1.0	109	70	130	2.7	20	
Potassium	102	mg/L	1.0	90	70	130	1.0	20	
Silica	7.85	mg/L	0.10	71	70	130	0.1	20	
Sodium	192	mg/L	1.5	96	70	130	1.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/27/08
Work Order: R08040364

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R101431
Sample ID: MB-080520A	Method Blank				Run: SUB-C101431				05/20/08 14:34
Copper	ND	mg/L	0.005						
Sodium	ND	mg/L	0.8						
Sample ID: LFB-080520A	Laboratory Fortified Blank				Run: SUB-C101431				05/20/08 14:38
Copper	1.0	mg/L	0.010	101	85	125			
Sodium	51	mg/L	0.77	103	85	125			
Sample ID: C08050094-002FMS2	Sample Matrix Spike				Run: SUB-C101431				05/20/08 15:02
Copper	2.14	mg/L	0.010	105	70	130			
Sodium	156	mg/L	1.5	102	70	130			
Sample ID: C08050094-002FMSD2	Sample Matrix Spike Duplicate				Run: SUB-C101431				05/20/08 15:07
Copper	2.03	mg/L	0.010	99	70	130	5.3	20	
Sodium	155	mg/L	1.5	100	70	130	1.2	20	
Method: E200.7									Batch: C_R103044
Sample ID: MB-080620A	Method Blank				Run: SUB-C103044				06/20/08 15:38
Sodium	ND	mg/L	0.8						
Sample ID: LFB-080620A	Laboratory Fortified Blank				Run: SUB-C103044				06/20/08 15:42
Sodium	51	mg/L	0.77	101	85	125			
Sample ID: R08040364-003C	Sample Matrix Spike				Run: SUB-C103044				06/20/08 15:50
Sodium	2590	mg/L	7.7		70	130			A
Sample ID: R08040364-003C	Sample Matrix Spike Duplicate				Run: SUB-C103044				06/20/08 15:54
Sodium	2620	mg/L	7.7		70	130	1.2	20	A

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/27/08
Work Order: R08040364

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18513
Sample ID: MB-18513	Method Blank				Run: SUB-C100862				05/08/08 23:22
Antimony	ND	mg/L	0.0002						
Arsenic	0.0001	mg/L	5E-05						
Barium	ND	mg/L	0.0003						
Beryllium	ND	mg/L	0.0001						
Cadmium	ND	mg/L	4E-05						
Chromium	0.002	mg/L	5E-05						
Copper	0.0004	mg/L	0.0001						
Lead	ND	mg/L	5E-05						
Manganese	0.0001	mg/L	3E-05						
Molybdenum	8E-05	mg/L	5E-05						
Nickel	ND	mg/L	0.0002						
Selenium	ND	mg/L	0.0002						
Silver	ND	mg/L	5E-05						
Strontium	ND	mg/L	8E-05						
Thallium	ND	mg/L	3E-05						
Uranium	0.0001	mg/L	3E-05						
Zinc	0.001	mg/L	0.0003						
Sample ID: LCS3-18513	Laboratory Control Sample				Run: SUB-C100862				05/08/08 23:28
Antimony	0.564	mg/L	0.050	113	85	115			
Arsenic	0.507	mg/L	0.0010	101	85	115			
Barium	0.530	mg/L	0.10	106	85	115			
Beryllium	0.263	mg/L	0.010	105	85	115			
Cadmium	0.255	mg/L	0.010	102	85	115			
Chromium	0.488	mg/L	0.050	97	85	115			
Copper	0.476	mg/L	0.010	95	85	115			
Lead	0.516	mg/L	0.050	103	85	115			
Manganese	2.47	mg/L	0.010	99	85	115			
Molybdenum	0.554	mg/L	0.10	111	85	115			
Nickel	0.485	mg/L	0.050	97	85	115			
Selenium	0.492	mg/L	0.0010	98	85	115			
Silver	0.0497	mg/L	0.010	99	85	115			
Strontium	0.512	mg/L	0.10	102	85	115			
Thallium	0.515	mg/L	0.10	103	85	115			
Uranium	0.534	mg/L	0.00030	107	85	115			
Zinc	0.470	mg/L	0.010	94	85	115			
Sample ID: C08050144-001BMS3	Sample Matrix Spike				Run: SUB-C100862				05/09/08 02:38
Antimony	0.551	mg/L	0.050	108	70	130			
Arsenic	0.528	mg/L	0.0010	101	70	130			
Barium	0.642	mg/L	0.10	106	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/27/08
Work Order: R08040364

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18513
Sample ID: C08050144-001BMS3	Sample Matrix Spike				Run: SUB-C100862				05/09/08 02:38
Beryllium	0.245	mg/L	0.010	98	70	130			
Cadmium	0.251	mg/L	0.010	100	70	130			
Chromium	0.433	mg/L	0.050	86	70	130			
Copper	0.474	mg/L	0.010	95	70	130			
Lead	0.525	mg/L	0.050	105	70	130			
Manganese	2.14	mg/L	0.010	85	70	130			
Molybdenum	0.577	mg/L	0.10	115	70	130			
Nickel	0.486	mg/L	0.050	97	70	130			
Selenium	0.462	mg/L	0.0010	92	70	130			
Silver	0.0490	mg/L	0.010	98	70	130			
Strontium	0.840	mg/L	0.10	98	70	130			
Thallium	0.545	mg/L	0.10	109	70	130			
Uranium	0.559	mg/L	0.00030	112	70	130			
Zinc	0.449	mg/L	0.010	88	70	130			
Sample ID: C08050144-001BMSD3	Sample Matrix Spike Duplicate				Run: SUB-C100862				05/09/08 02:44
Antimony	0.537	mg/L	0.050	106	70	130	2.4	20	
Arsenic	0.521	mg/L	0.0010	100	70	130	1.3	20	
Barium	0.634	mg/L	0.10	105	70	130	1.3	20	
Beryllium	0.248	mg/L	0.010	99	70	130	1.1	20	
Cadmium	0.244	mg/L	0.010	98	70	130	2.6	20	
Chromium	0.442	mg/L	0.050	88	70	130	2.0	20	
Copper	0.463	mg/L	0.010	92	70	130	2.3	20	
Lead	0.523	mg/L	0.050	104	70	130	0.4	20	
Manganese	2.21	mg/L	0.010	88	70	130	3.2	20	
Molybdenum	0.554	mg/L	0.10	110	70	130	4.0	20	
Nickel	0.474	mg/L	0.050	95	70	130	2.4	20	
Selenium	0.461	mg/L	0.0010	92	70	130	0.2	20	
Silver	0.0480	mg/L	0.010	96	70	130	2.1	20	
Strontium	0.841	mg/L	0.10	98	70	130	0.2	20	
Thallium	0.524	mg/L	0.10	105	70	130	3.9	20	
Uranium	0.535	mg/L	0.00030	107	70	130	4.5	20	
Zinc	0.444	mg/L	0.010	87	70	130	1.2	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/27/08
Work Order: R08040364

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18574
Sample ID: MB-18574	Method Blank				Run: SUB-C101315				05/18/08 12:44
Uranium	2E-05	mg/L	2E-05						
Sample ID: LCS1-18574	Laboratory Control Sample				Run: SUB-C101315				05/18/08 12:48
Uranium	0.0471	mg/L	0.00030	89	80	120			
Sample ID: R08040364-007I	Post Digestion Spike				Run: SUB-C101315				05/18/08 13:42
Uranium	0.0117	mg/L	0.00030	94	70	130			
Sample ID: R08040364-007I	Post Digestion Spike Duplicate				Run: SUB-C101315				05/18/08 13:46
Uranium	0.0119	mg/L	0.00030	95	70	130	1.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/27/08
Work Order: R08040364

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: C_R101440	
Sample ID: LRB	Method Blank				Run: SUB-C101440			05/20/08 12:00	
Arsenic	ND	mg/L	6E-05						
Cadmium	ND	mg/L	1E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Manganese	ND	mg/L	5E-05						
Mercury	ND	mg/L	8E-05						
Silver	0.0002	mg/L	3E-05						
Thorium 232	0.0001	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C101440			05/20/08 12:06	
Arsenic	0.0514	mg/L	0.0010	103	85	115			
Cadmium	0.0519	mg/L	0.0010	104	85	115			
Copper	0.0524	mg/L	0.0010	105	85	115			
Lead	0.0516	mg/L	0.0010	103	85	115			
Manganese	0.0529	mg/L	0.0010	106	85	115			
Mercury	0.00510	mg/L	0.0010	102	85	115			
Silver	0.0202	mg/L	0.0010	100	85	115			
Thorium 232	0.0516	mg/L	0.0010	103	85	115			
Uranium	0.0515	mg/L	0.00030	103	85	115			
Sample ID: C08050092-001DMS4	Post Digestion Spike				Run: SUB-C101440			05/20/08 14:06	
Arsenic	0.0539	mg/L	0.0010	107	70	130			
Cadmium	0.0538	mg/L	0.010	107	70	130			
Copper	0.0500	mg/L	0.010	99	70	130			
Lead	0.0530	mg/L	0.050	106	70	130			
Manganese	0.0596	mg/L	0.010	110	70	130			
Mercury	0.00529	mg/L	0.0010	106	70	130			
Silver	0.0137	mg/L	0.010	68	70	130			S
Thorium 232	0.0533	mg/L	0.0010	107	70	130			
Uranium	0.153	mg/L	0.00030	104	70	130			
Sample ID: C08050092-001DMSD4	Post Digestion Spike Duplicate				Run: SUB-C101440			05/20/08 14:13	
Arsenic	0.0527	mg/L	0.0010	104	70	130	2.2	20	
Cadmium	0.0525	mg/L	0.010	105	70	130	2.3	20	
Copper	0.0488	mg/L	0.010	97	70	130	2.4	20	
Lead	0.0525	mg/L	0.050	105	70	130	0.9	20	
Manganese	0.0579	mg/L	0.010	107	70	130	2.9	20	
Mercury	0.00546	mg/L	0.0010	109	70	130	3.1	20	
Silver	0.0113	mg/L	0.010	57	70	130	19	20	S
Thorium 232	0.0534	mg/L	0.0010	107	70	130	0.2	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/27/08
Work Order: R08040364

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R101440
Sample ID: C08050092-001DMSD4	Post Digestion Spike Duplicate				Run: SUB-C101440				05/20/08 14:13
Uranium	0.155	mg/L	0.00030	108	70	130	1.3	20	
Method: E300.0									Batch: G_R159465
Sample ID: LCS	Laboratory Control Sample				Run: SUB-G159465				05/10/08 14:58
Chloride	28.1	mg/L	1.0	93	90	110			
Fluoride	20.2	mg/L	0.10	100	90	110			
Sulfate	142	mg/L	1.0	94	90	110			
Sample ID: MBLK	Method Blank				Run: SUB-G159465				05/10/08 15:10
Chloride	ND	mg/L	0.08						
Fluoride	ND	mg/L	0.007						
Sulfate	ND	mg/L	0.04						
Sample ID: R08050024-004B	Sample Matrix Spike				Run: SUB-G159465				05/11/08 02:37
Chloride	411	mg/L	1.0	97	80	120			
Fluoride	39.2	mg/L	0.10	99	80	120			
Sulfate	660	mg/L	1.0	97	80	120			
Sample ID: R08050024-004B	Sample Matrix Spike Duplicate				Run: SUB-G159465				05/11/08 02:49
Chloride	407	mg/L	1.0	97	80	120	0.9	20	
Fluoride	38.8	mg/L	0.10	98	80	120	1.0	20	
Sulfate	658	mg/L	1.0	96	80	120	0.3	20	
Sample ID: G08050354-007BMS	Sample Matrix Spike				Run: SUB-G159465				05/11/08 08:04
Chloride	1060	mg/L	2.1	100	80	120			
Fluoride	99.9	mg/L	0.18	101	80	120			
Sample ID: G08050354-007BMSD	Sample Matrix Spike Duplicate				Run: SUB-G159465				05/11/08 08:16
Chloride	1080	mg/L	2.1	102	80	120	1.8	20	
Fluoride	102	mg/L	0.18	103	80	120	1.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/27/08
Work Order: R08040364

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: G_R159560
Sample ID: LCS	Laboratory Control Sample				Run: SUB-G159560				05/12/08 13:35
Chloride	27.4	mg/L	1.0	91	90	110			
Fluoride	19.0	mg/L	0.10	94	90	110			
Sample ID: MBLK	Method Blank				Run: SUB-G159560				05/12/08 13:46
Chloride	ND	mg/L	0.08						
Fluoride	ND	mg/L	0.007						
Sample ID: G08050351-005AMS	Sample Matrix Spike				Run: SUB-G159560				05/12/08 23:27
Chloride	261	mg/L	1.0	101	80	120			
Fluoride	19.8	mg/L	0.10	98	80	120			
Sample ID: G08050351-005AMSD	Sample Matrix Spike Duplicate				Run: SUB-G159560				05/12/08 23:39
Chloride	263	mg/L	1.0	102	80	120	0.9	20	
Fluoride	20.0	mg/L	0.10	100	80	120	1.1	20	
Sample ID: G08050409-001AMS	Sample Matrix Spike				Run: SUB-G159560				05/13/08 15:35
Chloride	204	mg/L	1.0	101	80	120			
Fluoride	21.3	mg/L	0.10	101	80	120			
Sample ID: G08050409-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-G159560				05/13/08 15:47
Chloride	202	mg/L	1.0	101	80	120	0.6	20	
Fluoride	21.1	mg/L	0.10	100	80	120	0.9	20	
Method: E353.2									Batch: A2008-05-01_3_NO2_01
Sample ID: MBLK-2	Method Blank				Run: TECHAA1-R_080501A				05/01/08 12:43
Nitrogen, Nitrite as N	ND	mg/L	0.02						
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA1-R_080501A				05/01/08 12:45
Nitrogen, Nitrite as N	0.249	mg/L	0.050	100	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA1-R_080501A				05/01/08 12:47
Nitrogen, Nitrite as N	0.250	mg/L	0.050	100	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/27/08
Work Order: R08040364

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0									Batch: C_R101650
Sample ID: C08050092-001IMS	Sample Matrix Spike				Run: SUB-C101650				05/20/08 10:25
Gross Alpha	220	pCi/L		111	70	130			
Gross Beta	120	pCi/L		101	70	130			
Sample ID: C08050092-001IMSD	Sample Matrix Spike Duplicate				Run: SUB-C101650				05/20/08 10:25
Gross Alpha	220	pCi/L		110	70	130	0.4	30	
Gross Beta	120	pCi/L		99	70	130	2.0	30	
Sample ID: MB-R101650	Method Blank				Run: SUB-C101650				05/20/08 10:25
Gross Alpha	0.1	pCi/L							
Gross Beta	-2	pCi/L							
Sample ID: LCS-R101650	Laboratory Control Sample				Run: SUB-C101650				05/20/08 10:25
Gross Alpha	140	pCi/L		98	70	130			
Gross Beta	93	pCi/L		101	70	130			
Method: E901.1									Batch: C_R100708
Sample ID: LCS-R100708	Laboratory Control Sample				Run: SUB-C100708				05/01/08 17:22
Americium 241	720	pCi/L	20	88	70	130			
Cesium 137	1200	pCi/L	20	109	70	130			
Sample ID: MB-R100708	Method Blank				Run: SUB-C100708				05/01/08 17:22
Gross Gamma	ND	pCi/L							
Sample ID: R08040364-001H	Sample Duplicate				Run: SUB-C100708				05/01/08 17:22
Gross Gamma	ND	pCi/L	20				0.0	30	U
Sample ID: R08040364-007H	Sample Duplicate				Run: SUB-C100708				05/01/08 17:22
Gross Gamma	ND	pCi/L	20				0.0	30	U
Method: E903.0									Batch: C_18574
Sample ID: R08040364-003I	Sample Matrix Spike				Run: SUB-C101573				05/21/08 08:27
Radium 226	80	pCi/L		101	70	130			
Sample ID: R08040364-003I	Sample Matrix Spike Duplicate				Run: SUB-C101573				05/21/08 08:27
Radium 226	76	pCi/L		96	70	130	5.7	22.9	
Sample ID: MB-18574	Method Blank				Run: SUB-C101573				05/21/08 10:15
Radium 226	3	pCi/L							
Sample ID: LCS-18574	Laboratory Control Sample				Run: SUB-C101573				05/21/08 10:15
Radium 226	15	pCi/L		95	70	130			

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/27/08
Work Order: R08040364

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: C_RA226-2792
Sample ID: C08050086-001JMS	Sample Matrix Spike				Run: SUB-C101353				05/19/08 18:41
Radium 226	7.7	pCi/L		106	70	130			
Sample ID: C08050086-001JMSD	Sample Matrix Spike Duplicate				Run: SUB-C101353				05/19/08 18:41
Radium 226	7.8	pCi/L		107	70	130	1.0	21.2	
Sample ID: MB-RA226-2792	Method Blank				Run: SUB-C101353				05/19/08 22:54
Radium 226	0.09	pCi/L							U
Sample ID: LCS-RA226-2792	Laboratory Control Sample				Run: SUB-C101353				05/19/08 22:54
Radium 226	6.9	pCi/L		107	70	130			
Method: E907.0									Batch: C_18574
Sample ID: C08041302-003AMS	Sample Matrix Spike				Run: SUB-C101858				05/19/08 16:00
Thorium 230	86.9	pCi/Filter	0.20	92	70	130			
Sample ID: C08041302-003AMSD	Sample Matrix Spike Duplicate				Run: SUB-C101858				05/19/08 16:00
Thorium 230	90.6	pCi/Filter	0.20	97	70	130	4.2	30	
Sample ID: LCS-R101858	Laboratory Control Sample				Run: SUB-C101858				05/19/08 16:00
Thorium 230	22.5	pCi/L	0.20	98	70	130			
Sample ID: MB-R101858	Method Blank				Run: SUB-C101858				05/19/08 16:00
Thorium 230	0.1	pCi/L							
Method: E907.0									Batch: C_R101862
Sample ID: LCS-R101862	Laboratory Control Sample				Run: SUB-C101862				05/21/08 15:00
Thorium 230	6.30	pCi/L	0.20	91	70	130			
Sample ID: R08040364-001H	Sample Matrix Spike				Run: SUB-C101862				05/21/08 15:00
Thorium 230	15.8	pCi/L	0.20	102	70	130			
Sample ID: R08040364-001H	Sample Matrix Spike Duplicate				Run: SUB-C101862				05/21/08 15:00
Thorium 230	16.1	pCi/L	0.20	99	70	130	1.9	30	
Sample ID: MB-R101862	Method Blank				Run: SUB-C101862				05/21/08 15:00
Thorium 230	ND	pCi/L							U

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/27/08
Work Order: R08040364

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: C_R102417
Sample ID: LCS-R102417	Laboratory Control Sample				Run: SUB-C102417				05/29/08 16:00
Thorium 230	10.4	pCi/L	0.20	94	70	130			
Sample ID: MB-R102417	Method Blank				Run: SUB-C102417				05/29/08 16:00
Thorium 230	0.1	pCi/L							
Sample ID: TAP WATER MS	Sample Matrix Spike				Run: SUB-C102417				05/29/08 16:00
Thorium 230	10.1	pCi/L	0.20	92	70	130			
- MS and MSD are using the MB as a reference because the analyst forgot to include an unspiked Tap Water with the run. The recoveries are within limits so the batch is acceptable.									
Sample ID: TAP WATER MSD	Sample Matrix Spike Duplicate				Run: SUB-C102417				05/29/08 16:00
Thorium 230	9.20	pCi/L	0.20	84	70	130	9.3	30	
- MS and MSD are using the MB as a reference because the analyst forgot to include an unspiked Tap Water with the run. The recoveries are within limits so the batch is acceptable.									
Method: E909.0M									Batch: C_18556
Sample ID: C08050730-007FMD	Sample Duplicate				Run: SUB-C102106				05/22/08 09:00
Lead 210	-41	pCi/L	1.0				0.0	30	
Sample ID: C08050730-007FMS	Sample Matrix Spike				Run: SUB-C102106				05/22/08 09:00
Lead 210	500	pCi/L	1.0	87	70	130			
Sample ID: MB-R102106	Method Blank				Run: SUB-C102106				05/22/08 09:00
Lead 210	ND	pCi/L							
Sample ID: LCS-R102106	Laboratory Control Sample				Run: SUB-C102106				05/22/08 09:00
Lead 210	120	pCi/L	1.0	103	70	130			
Method: E909.0M									Batch: C_R102460
Sample ID: R08040364-002H	Sample Matrix Spike				Run: SUB-C102460				05/27/08 08:30
Lead 210	520	pCi/L	1.0	89	70	130			
Sample ID: R08040364-002H	Sample Matrix Spike Duplicate				Run: SUB-C102460				05/27/08 08:30
Lead 210	640	pCi/L	1.0	109	70	130	20	30	
Sample ID: MB-R102460	Method Blank				Run: SUB-C102460				05/27/08 08:30
Lead 210	ND	pCi/L							U
Sample ID: LCS-R102460	Laboratory Control Sample				Run: SUB-C102460				05/27/08 08:30
Lead 210	130	pCi/L	1.0	111	70	130			

Qualifiers:

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 06/27/08
Work Order: R08040364

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RMO-3008									Batch: C_18574
Sample ID: C08050370-001BMS	Sample Matrix Spike				Run: SUB-C102360				06/02/08 13:40
Polonium 210	48	pCi/L	1.0	98	70	130			
Sample ID: C08050370-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-C102360				06/02/08 13:40
Polonium 210	52	pCi/L	1.0	106	70	130	7.1	30	
Sample ID: LCS-R102360	Laboratory Control Sample				Run: SUB-C102360				06/02/08 13:40
Polonium 210	76	pCi/L	1.0	88	70	130			
Sample ID: MB-R102360	Method Blank				Run: SUB-C102360				06/02/08 13:40
Polonium 210	-0.5	pCi/L							
Method: RMO-3008									Batch: C_R100979
Sample ID: R08040364-007H	Sample Matrix Spike				Run: SUB-C100979				05/06/08 17:00
Polonium 210	160	pCi/L	1.0	90	70	130			
Sample ID: R08040364-007H	Sample Matrix Spike Duplicate				Run: SUB-C100979				05/06/08 17:00
Polonium 210	150	pCi/L	1.0	88	70	130	1.9	30	
Sample ID: LCS-R100979	Laboratory Control Sample				Run: SUB-C100979				05/06/08 17:00
Polonium 210	81	pCi/L	1.0	92	70	130			
Sample ID: MB-R100979	Method Blank				Run: SUB-C100979				05/06/08 17:00
Polonium 210	0.9	pCi/L							

Qualifiers:

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ND - Not detected at the reporting limit.

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Chain of Custody and Analytical Request Record

Page ____ of ____

PLEASE PRINT- Provide as much information as possible.

Company Name:	Project Name, PWS, Permit, Etc.	Sample Origin	EPA/State Compliance:
RESPEC	PowerTech	State: SD	Yes ☐ No ☐
Report Mail Address:	**Contact Name:** Phone/Fax:	**Email:**	**Sampler: (Please Print)**
RESPEC	cory-foreman@respec.com		Eric Klentz
Invoice Address:	**Invoice Contact & Phone:**	**Purchase Order:**	**Quote/Bottle Order:**
RESPEC	"		

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 W S V B O
Air Water Soils/Solids Vegetation Biosassay Other

ANALYSIS REQUESTED

As Per Quote

SEE ATTACHED

Normal Turnaround (TAT)

RUSH

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

Comments: All GW

Shipped by:

Cooler ID(s):

Receipt Temp 3.1 °C

On Ice: (Yes) No

Custody Seal Y N
Intact Y N
Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX													LABORATORY USE ONLY
1	Dew Burd GW 674	4/29/08	12:27	W											Set 4		B08040364-001
2	Dew Burd GW 678	4/29/08	13:41	W											set 9		002
3	Dew Burd GW 677	4/29/08	15:14	W											set 12		003
4	Dew Burd GW 675	4/29/08	17:47	W											set 5		004
5	Dew Burd GW 675	4/29/08	17:50	W											set 13		005
6	Dew Burd GW BLK	4/29/08	18:00	W											set		006
7	Dew Burd GW 635	4/29/08	19:00	W											set 11		007
8																	
9																	
10																	

Custody Record MUST be Signed

	Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
	Eric Klentz	4/29/08 08:05		Kurt R Slentz	4/30/08 08:05	
	Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
				Received by Laboratory:	Date/Time:	Signature:

Sample Disposal: Return to Client: _____ Lab Disposal: _____

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.

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ANALYTICAL SUMMARY REPORT

July 29, 2008

Cory Foreman
RESPEC Inc
3824 Jet Dr
Rapid City, SD 57701-

Workorder No.: R08050143 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 1 sample from RESPEC Inc on 5/13/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08050143-001	DewBurd GW681	05/12/08 12:45	05/13/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Mercury, Total Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved

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: Linda Larson

Linda Larson
Rapid City - Project Manager

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050143-001
Client Sample ID: DewBurd GW681

Report Date: 07/29/08
Collection Date: 05/12/08 12:45
Date Received: 05/13/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	174	mg/L		5		1	A2320 B	05/19/08 09:16/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	05/19/08 09:16/mb
Bicarbonate as HCO3	212	mg/L		5		1	A2320 B	05/19/08 09:16/mb
Calcium	65.5	mg/L		0.5		2	E200.7	05/23/08 16:01/eli-c
Chloride	15	mg/L		1		1	E300.0	05/13/08 22:19/jmh
Fluoride	0.6	mg/L		0.1		1	E300.0	05/13/08 22:19/jmh
Magnesium	25.1	mg/L		0.5		2	E200.7	05/23/08 16:01/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	05/15/08 13:00/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	05/13/08 22:19/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/13/08 22:19/jmh
Potassium	9.6	mg/L		0.5		2	E200.7	05/23/08 16:01/eli-c
Silica	4.0	mg/L		0.5		2	E200.7	05/23/08 16:01/eli-c
Sodium	212	mg/L	D	2		2	E200.7	05/23/08 16:01/eli-c
Sulfate	449	mg/L	D	3		50	E300.0	05/13/08 22:02/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1390	umhos/cm		5.0		1	A2510 B	05/16/08 14:54/tb
Oxidation-Reduction Potential	240	mV				1	A2580 B	05/19/08 00:00/jmh
pH	7.91	s.u.		0.01		1	A4500-H B	05/16/08 11:40/tb
Sodium Adsorption Ratio (SAR)	5.6	unitless		0.10		1	Calculation	07/18/08 18:14/ADM
Solids, Total Dissolved TDS @ 180 C	900	mg/L		5		1	A2540 C	05/14/08 08:25/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/23/08 16:01/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	06/04/08 04:31/eli-c
Barium	ND	mg/L		0.1		2	E200.7	05/23/08 16:01/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	05/23/08 16:01/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/04/08 04:31/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/23/08 16:01/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/04/08 04:31/eli-c
Iron	ND	mg/L		0.03		2	E200.7	05/23/08 16:01/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/04/08 04:31/eli-c
Manganese	0.10	mg/L		0.01		2	E200.7	05/23/08 16:01/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/04/08 04:31/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	05/23/08 16:01/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	05/23/08 16:01/eli-c
Selenium	ND	mg/L		0.005		1	A3114 B	06/03/08 15:04/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/04/08 04:31/eli-c

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.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050143-001
Client Sample ID: DewBurd GW681

Report Date: 07/29/08
Collection Date: 05/12/08 12:45
Date Received: 05/13/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	06/04/08 04:31/eli-c
Uranium	0.0095	mg/L		0.0003		1	E200.8	06/04/08 04:31/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	05/23/08 16:01/eli-c
Zinc	0.01	mg/L		0.01		2	E200.7	05/23/08 16:01/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	06/03/08 22:53/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/03/08 11:07/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/03/08 16:19/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	2220	pCi/L				1	E900.0	07/15/08 06:03/eli-c
Gross Alpha precision (±)	32.1	pCi/L				1	E900.0	07/15/08 06:03/eli-c
Gross Alpha MDC	4.5	pCi/L				1	E900.0	07/15/08 06:03/eli-c
Gross Beta	675	pCi/L				1	E900.0	07/15/08 06:03/eli-c
Gross Beta precision (±)	7.9	pCi/L				1	E900.0	07/15/08 06:03/eli-c
Gross Beta MDC	3.8	pCi/L				1	E900.0	07/15/08 06:03/eli-c
Lead 210	40.5	pCi/L				1	E909.0M	06/27/08 08:45/eli-c
Lead 210 MDC	16.0	pCi/L				1	E909.0M	06/27/08 08:45/eli-c
Lead 210 precision (±)	10.2	pCi/L				1	E909.0M	06/27/08 08:45/eli-c
Polonium 210	1.6	pCi/L		1.0		1	RMO-3008	06/03/08 17:45/eli-c
Polonium 210 precision (±)	1.2	pCi/L				1	RMO-3008	06/03/08 17:45/eli-c
Radium 226	407	pCi/L				1	E903.0	05/28/08 13:52/eli-c
Radium 226 precision (±)	3.7	pCi/L				1	E903.0	05/28/08 13:52/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	05/23/08 11:45/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	05/23/08 11:45/eli-c
Gross Gamma	290	pCi/L		20		1	E901.1	05/28/08 05:30/eli-c
Gross Gamma precision (±)	35	pCi/L				1	E901.1	05/28/08 05:30/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	20.8	pCi/L				1	E909.0M	06/29/08 08:15/eli-c
Lead 210 precision (±)	9.4	pCi/L				1	E909.0M	06/29/08 08:15/eli-c
Lead 210 MDC	15.1	pCi/L				1	E909.0M	06/29/08 08:15/eli-c
Polonium 210	2.4	pCi/L		1.0		1	RMO-3008	06/19/08 12:00/eli-c
Polonium 210 precision (±)	1.1	pCi/L				1	RMO-3008	06/19/08 12:00/eli-c
Radium 226	1.8	pCi/L				1	E903.0	06/02/08 15:56/eli-c

Report Definitions:
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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: RESPEC Inc
Project: Edgemont
Lab ID: R08050143-001
Client Sample ID: DewBurd GW681

Report Date: 07/29/08
Collection Date: 05/12/08 12:45
Date Received: 05/13/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	06/02/08 15:56/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	06/02/08 15:56/eli-c
Thorium 230	0.7	pCi/L		0.2		1	E907.0	05/23/08 10:30/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	05/23/08 10:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	246	pCi/L		100		1	D5072-92	05/19/08 19:17/eli-c
Radon 222 precision (±)	107	pCi/L				1	D5072-92	05/19/08 19:17/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	05/28/08 13:40/eli-c
Arsenic	0.003	mg/L		0.001		1	E200.8	05/28/08 13:40/eli-c
Barium	ND	mg/L		0.1		2	E200.7	05/20/08 22:05/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	05/28/08 13:40/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/23/08 17:14/eli-c
Cadmium	ND	mg/L		0.001		1	E200.8	05/28/08 13:40/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/20/08 22:05/eli-c
Copper	ND	mg/L		0.01		2	E200.7	05/20/08 22:05/eli-c
Iron	0.04	mg/L		0.03		2	E200.7	05/20/08 22:05/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/28/08 13:40/eli-c
Manganese	0.10	mg/L		0.01		2	E200.7	05/20/08 22:05/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/02/08 08:05/eli-b
Molybdenum	ND	mg/L		0.01		1	E200.8	05/28/08 13:40/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	05/20/08 22:05/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	05/28/08 13:40/eli-c
Silver	ND	mg/L		0.005		1	E200.8	05/28/08 13:40/eli-c
Strontium	1.3	mg/L		0.1		2	E200.7	05/20/08 22:05/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/28/08 13:40/eli-c
Uranium	0.0104	mg/L		0.0003		1	E200.8	05/28/08 13:40/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	05/23/08 17:14/eli-c
DATA QUALITY								
A/C Balance (± 5)	5.47	%				1	A1030 E	07/18/08 00:00/jmh
Anions	13.3	meq/L				1	A1030 E	07/18/08 00:00/jmh
Cations	14.8	meq/L				1	A1030 E	07/18/08 00:00/jmh
Solids, Total Dissolved Calculated	891	mg/L				1	A1030 E	07/18/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.01					1	A1030 E	07/18/08 00:00/jmh

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.

ENERGY LABORATORIES, INC. • 2821 Plant Street • Rapid City, SD 57702 • www.energylab.com
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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050143

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 080519A-ALK-SEL-W	
Sample ID: LCS1_080519A	Laboratory Control Sample				Run: PH_COND1-R_080519A			05/19/08 09:09	
Alkalinity, Total as CaCO3	948	mg/L	5.0	95	90	110			
Sample ID: MBLK1_080519A	Method Blank				Run: PH_COND1-R_080519A			05/19/08 09:13	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Sample ID: R08050158-009AMS	Sample Matrix Spike				Run: PH_COND1-R_080519A			05/19/08 09:51	
Alkalinity, Total as CaCO3	168	mg/L	5.0	102	80	120			
Sample ID: R08050158-009AMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_080519A			05/19/08 09:53	
Alkalinity, Total as CaCO3	168	mg/L	5.0	102	80	120	0.0	10	
Method: A2510 B								Batch: 080516_1_COND-PROBE-W	
Sample ID: LCS_COND-1_080516	Laboratory Control Sample				Run: PH_COND2-R_080516A			05/16/08 14:52	
Conductivity @ 25 C	1440	umhos/cm	5.0	102	90	110			
Sample ID: LCS1-1_080516	Laboratory Control Sample				Run: PH_COND2-R_080516A			05/16/08 14:52	
Conductivity @ 25 C	143	umhos/cm	5.0	95	90	110			
Sample ID: LCS2-1_080516	Laboratory Control Sample				Run: PH_COND2-R_080516A			05/16/08 14:53	
Conductivity @ 25 C	4970	umhos/cm	5.0	99	90	110			
Sample ID: R08050199-001ADUP	Sample Duplicate				Run: PH_COND2-R_080516A			05/16/08 15:02	
Conductivity @ 25 C	2560	umhos/cm	5.0				0.8	10	
Method: A2540 C								Batch: 080514A-SLDS-TDS-W	
Sample ID: LCS1_080514A	Laboratory Control Sample				Run: BAL-4-R_080515A			05/14/08 08:22	
Solids, Total Dissolved TDS @ 180 C	210	mg/L	5.0	106	90	110			
Sample ID: MBLK1_080514A	Method Blank				Run: BAL-4-R_080515A			05/14/08 08:23	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: R08050158-006AMS	Sample Matrix Spike				Run: BAL-4-R_080515A			05/14/08 08:29	
Solids, Total Dissolved TDS @ 180 C	400	mg/L	5.0	104	80	120			
Sample ID: R08050158-006AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080515A			05/14/08 08:29	
Solids, Total Dissolved TDS @ 180 C	400	mg/L	5.0	102	80	120	1.0	10	
Method: A2580 B								Batch: 080519-ORP-ISE-W	
Sample ID: R08050143-001F	Sample Duplicate				Run: PH_COND1-R_080519B			05/19/08 00:00	
Oxidation-Reduction Potential	240	mV					2.2	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050143

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B								Batch: C_SE3114-080603A	
Sample ID: MBLK	Method Blank				Run: SUB-C102059			06/03/08 11:03	
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-81-1	Laboratory Control Sample				Run: SUB-C102059			06/03/08 11:05	
Selenium-IV	0.051	mg/L	0.0010	101	90	110			
Sample ID: C08050602-001EMS	Sample Matrix Spike				Run: SUB-C102059			06/03/08 11:14	
Selenium-IV	0.051	mg/L	0.0010	101	85	115			
Sample ID: C08050602-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C102059			06/03/08 11:16	
Selenium-IV	0.051	mg/L	0.0010	103	85	115	1.1	10	
Method: A3114 B								Batch: C_SE3114-080603B	
Sample ID: MBLK	Method Blank				Run: SUB-C102093			06/03/08 15:00	
Selenium	ND	mg/L	6E-05						
Sample ID: 288-81-1	Laboratory Control Sample				Run: SUB-C102093			06/03/08 15:02	
Selenium	0.051	mg/L	0.0010	101	90	110			
Sample ID: C08050602-001EMS	Sample Matrix Spike				Run: SUB-C102093			06/03/08 15:06	
Selenium	0.049	mg/L	0.0010	98	85	115			
Sample ID: C08050602-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C102093			06/03/08 15:08	
Selenium	0.050	mg/L	0.0010	99	85	115	1.3	10	
Method: A4500-H B								Batch: 080516_1_PH-W	
Sample ID: LCS_pH-1_080516	Laboratory Control Sample				Run: PH_COND2-R_080516A			05/16/08 11:36	
pH	6.93	s.u.	0.010	101	98.55	101.45			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050143

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G								Batch: A2008-05-15_2_NH3_01	
Sample ID: MBLK-2	Method Blank				Run: TECHAA2-R_080515A			05/15/08 11:37	
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_080515A			05/15/08 11:38	
Nitrogen, Ammonia as N	0.27	mg/L	0.10	108	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_080515A			05/15/08 11:39	
Nitrogen, Ammonia as N	0.26	mg/L	0.10	105	90	110			
Sample ID: R08050116-003BMS	Sample Matrix Spike				Run: TECHAA2-R_080515A			05/15/08 12:54	
Nitrogen, Ammonia as N	0.46	mg/L	0.10	92	80	120			
Sample ID: R08050116-003BMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080515A			05/15/08 12:55	
Nitrogen, Ammonia as N	0.48	mg/L	0.10	100	80	120	4.7	10	
Method: D5072-92								Batch: C_R101445	
Sample ID: MB-R101445	Method Blank				Run: SUB-C101445			05/19/08 19:17	
Radon 222	30	pCi/L							
Sample ID: LCS-R101445	Laboratory Control Sample				Run: SUB-C101445			05/19/08 19:17	
Radon 222	301	pCi/L	100	89	70	130			
Sample ID: C08050602-001GDUP	Sample Duplicate				Run: SUB-C101445			05/19/08 19:17	
Radon 222	246	pCi/L	100				0.0	30	

Qualifiers:

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050143

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_18608
Sample ID: MB-18608	Method Blank				Run: SUB-C101431				05/20/08 21:33
Barium	ND	mg/L	0.006						
Boron	0.03	mg/L	0.01						
Chromium	ND	mg/L	0.004						
Copper	ND	mg/L	0.005						
Iron	ND	mg/L	0.009						
Manganese	ND	mg/L	0.0003						
Nickel	ND	mg/L	0.005						
Strontium	ND	mg/L	0.0004						
Zinc	0.003	mg/L	0.001						
Sample ID: LCS3-18608	Laboratory Control Sample				Run: SUB-C101431				05/20/08 21:37
Barium	0.526	mg/L	0.10	105	85	115			
Boron	0.547	mg/L	0.10	103	85	115			
Chromium	0.536	mg/L	0.050	107	85	115			
Copper	0.537	mg/L	0.010	107	85	115			
Iron	2.87	mg/L	0.030	115	85	115			
Manganese	2.71	mg/L	0.010	109	85	115			
Nickel	0.532	mg/L	0.050	106	85	115			
Strontium	0.547	mg/L	0.10	109	85	115			
Zinc	0.553	mg/L	0.010	110	85	115			
Sample ID: R08050143-001D	Sample Matrix Spike				Run: SUB-C101431				05/20/08 22:09
Barium	0.529	mg/L	0.10	106	70	130			
Boron	0.549	mg/L	0.10	102	70	130			
Chromium	0.523	mg/L	0.050	105	70	130			
Copper	0.519	mg/L	0.010	104	70	130			
Iron	2.89	mg/L	0.030	114	70	130			
Manganese	2.77	mg/L	0.010	107	70	130			
Nickel	0.525	mg/L	0.050	105	70	130			
Strontium	1.78	mg/L	0.10	103	70	130			
Zinc	0.533	mg/L	0.010	105	70	130			
Sample ID: R08050143-001D	Sample Matrix Spike Duplicate				Run: SUB-C101431				05/20/08 22:13
Barium	0.517	mg/L	0.10	103	70	130	2.3	20	
Boron	0.541	mg/L	0.10	101	70	130	1.5	20	
Chromium	0.519	mg/L	0.050	104	70	130	0.8	20	
Copper	0.516	mg/L	0.010	103	70	130	0.7	20	
Iron	2.86	mg/L	0.030	113	70	130	1.0	20	
Manganese	2.70	mg/L	0.010	104	70	130	2.7	20	
Nickel	0.536	mg/L	0.050	107	70	130	2.1	20	
Strontium	1.76	mg/L	0.10	98	70	130	1.2	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050143

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_18608
Sample ID: R08050143-001D	Sample Matrix Spike Duplicate				Run: SUB-C101431				05/20/08 22:13
Zinc	0.526	mg/L	0.010	104	70	130	1.2	20	
Sample ID: MB-18608	Method Blank				Run: SUB-C101693				05/23/08 17:06
Barium	ND	mg/L	0.006						
Boron	0.02	mg/L	0.01						
Chromium	ND	mg/L	0.004						
Copper	ND	mg/L	0.005						
Iron	ND	mg/L	0.009						
Manganese	ND	mg/L	0.0003						
Nickel	ND	mg/L	0.005						
Strontium	ND	mg/L	0.0004						
Zinc	0.004	mg/L	0.001						
Sample ID: LCS3-18608	Laboratory Control Sample				Run: SUB-C101693				05/23/08 17:10
Barium	0.541	mg/L	0.10	108	85	115			
Boron	0.540	mg/L	0.10	105	85	115			
Chromium	0.534	mg/L	0.050	107	85	115			
Copper	0.543	mg/L	0.010	109	85	115			
Iron	2.84	mg/L	0.030	113	85	115			
Manganese	2.73	mg/L	0.010	109	85	115			
Nickel	0.540	mg/L	0.050	108	85	115			
Strontium	0.541	mg/L	0.10	108	85	115			
Zinc	0.532	mg/L	0.010	106	85	115			
Sample ID: R08050143-001D	Sample Matrix Spike				Run: SUB-C101693				05/23/08 17:18
Barium	0.553	mg/L	0.10	111	70	130			
Boron	0.618	mg/L	0.10	108	70	130			
Chromium	0.542	mg/L	0.050	108	70	130			
Copper	0.554	mg/L	0.010	111	70	130			
Iron	2.89	mg/L	0.030	114	70	130			
Manganese	2.86	mg/L	0.010	111	70	130			
Nickel	0.556	mg/L	0.050	111	70	130			
Strontium	1.81	mg/L	0.10	102	70	130			
Zinc	0.552	mg/L	0.010	109	70	130			
Sample ID: R08050143-001D	Sample Matrix Spike Duplicate				Run: SUB-C101693				05/23/08 17:22
Barium	0.547	mg/L	0.10	109	70	130	1.1	20	
Boron	0.612	mg/L	0.10	107	70	130	1.0	20	
Chromium	0.532	mg/L	0.050	106	70	130	1.9	20	
Copper	0.547	mg/L	0.010	109	70	130	1.1	20	
Iron	2.87	mg/L	0.030	113	70	130	0.6	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050143

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_18608
Sample ID: R08050143-001D	Sample Matrix Spike Duplicate				Run: SUB-C101693				05/23/08 17:22
Manganese	2.82	mg/L	0.010	109	70	130	1.5	20	
Nickel	0.544	mg/L	0.050	109	70	130	2.3	20	
Strontium	1.79	mg/L	0.10	98	70	130	1.2	20	
Zinc	0.539	mg/L	0.010	106	70	130	2.5	20	

Qualifiers:

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ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050143

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R101693
Sample ID: MB-080523A	Method Blank				Run: SUB-C101693				05/23/08 15:53
Silica	ND	mg/L	0.02						
Aluminum	ND	mg/L	0.004						
Barium	ND	mg/L	0.006						
Boron	0.04	mg/L	0.008						
Calcium	ND	mg/L	0.1						
Chromium	ND	mg/L	0.002						
Iron	ND	mg/L	0.005						
Magnesium	ND	mg/L	0.04						
Manganese	ND	mg/L	0.0003						
Molybdenum	0.005	mg/L	0.003						
Nickel	ND	mg/L	0.004						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Vanadium	0.03	mg/L	0.003						
Zinc	0.004	mg/L	0.002						
Sample ID: LFB-080523A	Laboratory Fortified Blank				Run: SUB-C101693				05/23/08 15:57
Silica	0.37	mg/L	0.10	93	85	125			
Aluminum	0.98	mg/L	0.10	98	85	125			
Barium	1.0	mg/L	0.10	101	85	125			
Boron	1.1	mg/L	0.10	103	85	125			
Calcium	52	mg/L	0.50	104	85	125			
Chromium	1.00	mg/L	0.050	100	85	125			
Iron	1.1	mg/L	0.030	106	85	125			
Magnesium	52	mg/L	0.50	103	85	125			
Manganese	1.0	mg/L	0.010	102	85	125			
Molybdenum	0.98	mg/L	0.10	98	85	125			
Nickel	1.0	mg/L	0.050	102	85	125			
Potassium	46	mg/L	0.50	92	85	125			
Sodium	49	mg/L	0.77	98	85	125			
Vanadium	1.1	mg/L	0.10	102	85	125			
Zinc	0.99	mg/L	0.010	99	85	125			
Sample ID: R08050143-001C	Sample Matrix Spike				Run: SUB-C101693				05/23/08 16:05
Aluminum	2.01	mg/L	0.10	99	70	130			
Barium	2.12	mg/L	0.10	104	70	130			
Boron	2.26	mg/L	0.10	105	70	130			
Chromium	2.11	mg/L	0.050	103	70	130			
Iron	2.19	mg/L	0.030	107	70	130			
Manganese	2.24	mg/L	0.010	105	70	130			
Molybdenum	2.03	mg/L	0.10	99	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050143

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R101693
Sample ID: R08050143-001C	Sample Matrix Spike				Run: SUB-C101693				05/23/08 16:05
Nickel	2.16	mg/L	0.050	106	70	130			
Vanadium	2.23	mg/L	0.10	108	70	130			
Zinc	2.09	mg/L	0.010	102	70	130			
Calcium	176	mg/L	1.0	108	70	130			
Magnesium	137	mg/L	1.0	109	70	130			
Potassium	103	mg/L	1.0	92	70	130			
Silica	4.99	mg/L	0.10	96	70	130			
Sodium	310	mg/L	1.5	96	70	130			
Sample ID: R08050143-001C	Sample Matrix Spike Duplicate				Run: SUB-C101693				05/23/08 16:09
Aluminum	1.87	mg/L	0.10	92	70	130	7.6	20	
Barium	2.06	mg/L	0.10	101	70	130	2.6	20	
Boron	2.18	mg/L	0.10	102	70	130	3.3	20	
Chromium	2.02	mg/L	0.050	99	70	130	4.4	20	
Iron	2.13	mg/L	0.030	104	70	130	2.8	20	
Manganese	2.16	mg/L	0.010	101	70	130	3.5	20	
Molybdenum	1.97	mg/L	0.10	96	70	130	2.8	20	
Nickel	2.05	mg/L	0.050	101	70	130	4.8	20	
Vanadium	2.18	mg/L	0.10	105	70	130	2.4	20	
Zinc	2.02	mg/L	0.010	98	70	130	3.5	20	
Calcium	169	mg/L	1.0	101	70	130	4.0	20	
Magnesium	131	mg/L	1.0	104	70	130	4.3	20	
Potassium	103	mg/L	1.0	91	70	130	0.4	20	
Silica	4.81	mg/L	0.10	79	70	130	3.6	20	
Sodium	310	mg/L	1.5	97	70	130	0.3	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050143

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18608
Sample ID: MB-18608	Method Blank				Run: SUB-C101838				05/28/08 13:27
Antimony	0.0002	mg/L	0.0002						
Arsenic	0.0006	mg/L	5E-05						
Beryllium	ND	mg/L	0.0001						
Cadmium	ND	mg/L	3E-05						
Lead	ND	mg/L	5E-05						
Molybdenum	ND	mg/L	5E-05						
Selenium	0.0002	mg/L	0.0002						
Silver	4E-05	mg/L	4E-05						
Thallium	4E-05	mg/L	3E-05						
Uranium	ND	mg/L	3E-05						
Sample ID: LCS3-18608	Laboratory Control Sample				Run: SUB-C101838				05/28/08 13:34
Antimony	0.578	mg/L	0.050	115	85	115			
Arsenic	0.553	mg/L	0.0010	111	85	115			
Beryllium	0.276	mg/L	0.010	111	85	115			
Cadmium	0.268	mg/L	0.010	107	85	115			
Lead	0.553	mg/L	0.050	111	85	115			
Molybdenum	0.553	mg/L	0.10	111	85	115			
Selenium	0.546	mg/L	0.0010	109	85	115			
Silver	0.0527	mg/L	0.010	105	85	115			
Thallium	0.566	mg/L	0.10	113	85	115			
Uranium	0.443	mg/L	0.00030	89	85	115			
Sample ID: R08050143-001D	Sample Matrix Spike				Run: SUB-C101838				05/28/08 13:47
Antimony	0.571	mg/L	0.050	114	70	130			
Arsenic	0.546	mg/L	0.0010	108	70	130			
Beryllium	0.266	mg/L	0.010	106	70	130			
Cadmium	0.262	mg/L	0.010	105	70	130			
Lead	0.554	mg/L	0.050	111	70	130			
Molybdenum	0.550	mg/L	0.10	110	70	130			
Selenium	0.529	mg/L	0.0010	106	70	130			
Silver	0.0517	mg/L	0.010	103	70	130			
Thallium	0.577	mg/L	0.10	115	70	130			
Uranium	0.471	mg/L	0.00030	92	70	130			
Sample ID: R08050143-001D	Sample Matrix Spike Duplicate				Run: SUB-C101838				05/28/08 13:54
Antimony	0.569	mg/L	0.050	114	70	130	0.2	20	
Arsenic	0.546	mg/L	0.0010	109	70	130	0.1	20	
Beryllium	0.268	mg/L	0.010	107	70	130	0.7	20	
Cadmium	0.257	mg/L	0.010	103	70	130	1.7	20	
Lead	0.548	mg/L	0.050	109	70	130	1.2	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050143

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18608
Sample ID: R08050143-001D	Sample Matrix Spike Duplicate				Run: SUB-C101838				05/28/08 13:54
Molybdenum	0.551	mg/L	0.10	110	70	130	0.2	20	
Selenium	0.535	mg/L	0.0010	107	70	130	1.2	20	
Silver	0.0507	mg/L	0.010	101	70	130	1.9	20	
Thallium	0.558	mg/L	0.10	111	70	130	3.3	20	
Uranium	0.460	mg/L	0.00030	90	70	130	2.6	20	
Method: E200.8									Batch: C_18653
Sample ID: MB-18653	Method Blank				Run: SUB-C102135				06/03/08 22:39
Uranium	5E-05	mg/L	2E-05						
Sample ID: LCS1-18653	Laboratory Control Sample				Run: SUB-C102135				06/03/08 22:46
Uranium	0.0230	mg/L	0.00030	109	80	120			
Sample ID: R08050199-001I	Post Digestion Spike				Run: SUB-C102135				06/03/08 23:06
Uranium	0.0510	mg/L	0.00030	101	70	130			
Sample ID: R08050199-001I	Post Digestion Spike Duplicate				Run: SUB-C102135				06/03/08 23:13
Uranium	0.0518	mg/L	0.00030	103	70	130	1.6	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050143

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R102135
Sample ID: LRB	Method Blank				Run: SUB-C102135				06/03/08 13:25
Arsenic	ND	mg/L	6E-05						
Cadmium	ND	mg/L	1E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Mercury	ND	mg/L	8E-05						
Silver	7E-05	mg/L	3E-05						
Thorium 232	6E-05	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C102135				06/03/08 13:32
Arsenic	0.0548	mg/L	0.0010	110	85	115			
Cadmium	0.0538	mg/L	0.0010	108	85	115			
Copper	0.0545	mg/L	0.0010	109	85	115			
Lead	0.0529	mg/L	0.0010	106	85	115			
Mercury	0.00522	mg/L	0.0010	104	85	115			
Silver	0.0195	mg/L	0.0010	97	85	115			
Thorium 232	0.0526	mg/L	0.0010	105	85	115			
Uranium	0.0529	mg/L	0.00030	106	85	115			
Sample ID: C08051200-001CMS	Sample Matrix Spike				Run: SUB-C102135				06/03/08 14:34
Arsenic	0.0557	mg/L	0.0010	107	70	130			
Cadmium	0.0516	mg/L	0.0010	103	70	130			
Copper	0.0534	mg/L	0.0010	102	70	130			
Lead	0.0537	mg/L	0.0010	104	70	130			
Mercury	0.00484	mg/L	0.0010	97	70	130			
Silver	0.0103	mg/L	0.0050	103	70	130			
Uranium	0.0632	mg/L	0.00030	109	70	130			
Sample ID: C08051200-001CMSD	Sample Matrix Spike Duplicate				Run: SUB-C102135				06/03/08 14:41
Arsenic	0.0563	mg/L	0.0010	108	70	130	1.2	20	
Cadmium	0.0525	mg/L	0.0010	105	70	130	1.7	20	
Copper	0.0551	mg/L	0.0010	105	70	130	3.2	20	
Lead	0.0559	mg/L	0.0010	109	70	130	3.9	20	
Mercury	0.00499	mg/L	0.0010	100	70	130	3.0	20	
Silver	0.0102	mg/L	0.0050	102	70	130	0.5	20	
Uranium	0.0640	mg/L	0.00030	111	70	130	1.3	20	
Sample ID: R08050143-001C	Post Digestion Spike				Run: SUB-C102135				06/04/08 04:38
Arsenic	0.0547	mg/L	0.0010	105	70	130			
Cadmium	0.0493	mg/L	0.010	99	70	130			
Copper	0.0516	mg/L	0.010	101	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050143

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R102135
Sample ID: R08050143-001C	Post Digestion Spike				Run: SUB-C102135				06/04/08 04:38
Lead	0.0527	mg/L	0.050	105	70	130			
Mercury	0.00513	mg/L	0.0010	103	70	130			
Silver	0.0107	mg/L	0.010	53	70	130			S
Thorium 232	0.0533	mg/L	0.0010	107	70	130			
Uranium	0.0633	mg/L	0.00030	107	70	130			
Sample ID: R08050143-001C	Post Digestion Spike Duplicate				Run: SUB-C102135				06/04/08 04:45
Arsenic	0.0527	mg/L	0.0010	101	70	130	3.7	20	
Cadmium	0.0498	mg/L	0.010	100	70	130	1.0	20	
Copper	0.0502	mg/L	0.010	98	70	130	2.6	20	
Lead	0.0527	mg/L	0.050	105	70	130	0.1	20	
Mercury	0.00522	mg/L	0.0010	104	70	130	1.7	20	
Silver	0.0130	mg/L	0.010	65	70	130	20	20	SR
Thorium 232	0.0540	mg/L	0.0010	108	70	130	1.4	20	
Uranium	0.0632	mg/L	0.00030	107	70	130	0.2	20	
Method: E245.1									Batch: C_B_32731
Sample ID: MB-32731	Method Blank				Run: SUB-C102024				06/02/08 07:27
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-32731	Laboratory Fortified Blank				Run: SUB-C102024				06/02/08 07:30
Mercury	0.0021	mg/L	0.0010	105	85	115			
Sample ID: B08051951-002AMS	Sample Matrix Spike				Run: SUB-C102024				06/02/08 08:23
Mercury	0.0021	mg/L	0.0010	103	70	130			
Sample ID: B08051951-002AMSD	Sample Matrix Spike Duplicate				Run: SUB-C102024				06/02/08 08:28
Mercury	0.0018	mg/L	0.0010	92	70	130	12	30	
Method: E245.1									Analytical Run: SUB-C102024
Sample ID: QCS	Initial Calibration Verification Standard								06/02/08 07:06
Mercury	0.0021	mg/L	0.0010	103	90	110			

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050143

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R34773
Sample ID: LFB0805130630-3	Laboratory Fortified Blank				Run: DIONEX_080513A				05/13/08 19:18
Chloride	4.51	mg/L	0.50	90	90	110			
Fluoride	1.77	mg/L	0.10	89	90	110			S
Nitrogen, Nitrate as N	2.24	mg/L	0.10	90	90	110			
Nitrogen, Nitrite as N	2.31	mg/L	0.10	92	90	110			
Sulfate	13.4	mg/L	1.0	89	90	110			S
Sample ID: LFB0805130630-4	Laboratory Fortified Blank				Run: DIONEX_080513A				05/13/08 20:07
Chloride	4.59	mg/L	0.50	92	90	110			
Fluoride	1.80	mg/L	0.10	90	90	110			
Nitrogen, Nitrate as N	2.27	mg/L	0.10	91	90	110			
Nitrogen, Nitrite as N	2.36	mg/L	0.10	94	90	110			
Sulfate	13.6	mg/L	1.0	91	90	110			
Sample ID: R08050135-001BMS	Sample Matrix Spike				Run: DIONEX_080513A				05/13/08 21:13
Chloride	35.9	mg/L	0.50		80	120			A
Fluoride	2.22	mg/L	0.10	97	80	120			
Nitrogen, Nitrate as N	23.2	mg/L	0.10		80	120			A
Nitrogen, Nitrite as N	2.40	mg/L	0.10	96	80	120			
Sulfate	40.2	mg/L	1.0	76	80	120			S
Sample ID: R08050135-001BMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080513A				05/13/08 21:29
Chloride	35.8	mg/L	0.50		80	120	0.1	10	A
Fluoride	2.15	mg/L	0.10	93	80	120	3.2	10	
Nitrogen, Nitrate as N	23.3	mg/L	0.10		80	120	0.2	10	A
Nitrogen, Nitrite as N	2.30	mg/L	0.10	92	80	120	4.3	10	
Sulfate	39.8	mg/L	1.0	74	80	120	1.1	10	S

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050143

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0									Batch: C_GrAB-0476
Sample ID: MB-GrAB-0476	Method Blank				Run: SUB-C104198				07/11/08 21:29
Gross Alpha	-1	pCi/L							
Gross Beta	-3	pCi/L							
Sample ID: UNAT-GrAB-0476	Laboratory Control Sample				Run: SUB-C104198				07/11/08 21:29
Gross Alpha	150	pCi/L		112	70	130			
Sample ID: Cs137-GrAB-0476	Laboratory Control Sample				Run: SUB-C104198				07/11/08 21:29
Gross Beta	100	pCi/L		109	70	130			
Sample ID: C08060608-001PMS	Sample Matrix Spike				Run: SUB-C104198				07/11/08 21:29
Gross Alpha	130	pCi/L		88	70	130			
Sample ID: C08060608-001PMSD	Sample Matrix Spike Duplicate				Run: SUB-C104198				07/11/08 21:29
Gross Alpha	120	pCi/L		87	70	130	0.6	19.2	
Sample ID: C08060608-001PMS	Sample Matrix Spike				Run: SUB-C104198				07/11/08 21:29
Gross Beta	100	pCi/L		104	70	130			
Sample ID: C08060608-001PMSD	Sample Matrix Spike Duplicate				Run: SUB-C104198				07/11/08 21:29
Gross Beta	100	pCi/L		102	70	130	2.1	16.1	
Method: E901.1									Batch: C_R101877
Sample ID: LCS-R101877	Laboratory Control Sample				Run: SUB-C101877				05/28/08 05:30
Cesium 137	1140	pCi/L	20	82	70	130			
Sample ID: MB-R101877	Method Blank				Run: SUB-C101877				05/28/08 05:30
Gross Gamma	ND	pCi/L							U
Sample ID: C08050919-001HDUP	Sample Duplicate				Run: SUB-C101877				05/28/08 05:30
Gross Gamma	6600	pCi/L	20				0.1	30	
Sample ID: C08051031-005HDUP	Sample Duplicate				Run: SUB-C101877				05/28/08 05:30
Gross Gamma	ND	pCi/L	20				0.0	30	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050143

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: C_18653
Sample ID: C08050705-001BMS	Sample Matrix Spike				Run: SUB-C102132				06/02/08 21:44
Radium 226	63	pCi/L		81	70	130			
Sample ID: C08050705-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-C102132				06/02/08 21:44
Radium 226	62	pCi/L		79	70	130	2.2	25.2	
Sample ID: MB-18653	Method Blank				Run: SUB-C102132				06/02/08 21:44
Radium 226	-2	pCi/L							U
Sample ID: LCS-18653	Laboratory Control Sample				Run: SUB-C102132				06/02/08 21:44
Radium 226	13	pCi/L		92	70	130			
Method: E903.0									Batch: C_RA226-2817
Sample ID: C08050599-001AMS	Sample Matrix Spike				Run: SUB-C101998				05/28/08 13:50
Radium 226	8.1	pCi/L		71	70	130			
Sample ID: C08050599-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C101998				05/28/08 13:50
Radium 226	6.9	pCi/L		60	70	130	16	46	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: MB-RA226-2817	Method Blank				Run: SUB-C101998				05/28/08 16:36
Radium 226	-0.1	pCi/L							U
Sample ID: LCS-RA226-2817	Laboratory Control Sample				Run: SUB-C101998				05/28/08 16:36
Radium 226	8.5	pCi/L		109	70	130			
Method: E907.0									Batch: C_18653
Sample ID: C08050701-004AMS	Sample Matrix Spike				Run: SUB-C101872				05/23/08 10:30
Thorium 230	82.5	pCi/Filter	0.20	88	70	130			
Sample ID: C08050701-004AMSD	Sample Matrix Spike Duplicate				Run: SUB-C101872				05/23/08 10:30
Thorium 230	89.3	pCi/Filter	0.20	96	70	130	8.0	30	
Sample ID: LCS-R101872	Laboratory Control Sample				Run: SUB-C101872				05/23/08 10:30
Thorium 230	55.2	pCi/Filter	0.20	115	70	130			
Sample ID: MB-R101872	Method Blank				Run: SUB-C101872				05/23/08 10:30
Thorium 230	0.7	pCi/Filter							

Qualifiers:

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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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Toll Free 888.672.1225 • Voice 605.342.1225 • Fax 605.342.1397 • rapid_city@energylab.com

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050143

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: C_R102219
Sample ID: LCS-R102219	Laboratory Control Sample				Run: SUB-C102219				05/23/08 11:45
Thorium 230	6.70	pCi/L	0.20	96	70	130			
Sample ID: R08050143-001H	Sample Matrix Spike				Run: SUB-C102219				05/23/08 11:45
Thorium 230	10.3	pCi/L	0.20	105	70	130			
Sample ID: R08050143-001H	Sample Matrix Spike Duplicate				Run: SUB-C102219				05/23/08 11:45
Thorium 230	9.40	pCi/L	0.20	98	70	130	9.1	30	
Sample ID: MB-R102219	Method Blank				Run: SUB-C102219				05/23/08 11:45
Thorium 230	ND	pCi/L							U
Method: E909.0M									Batch: C_18653
Sample ID: R08050199-001I	Sample Matrix Spike				Run: SUB-C102938				06/29/08 08:15
Lead 210	1200	pCi/L		96	70	130			
Sample ID: R08050199-001I	Sample Matrix Spike Duplicate				Run: SUB-C102938				06/29/08 08:15
Lead 210	2400	pCi/L		102	70	130	71	30	R
- The RPD for the MSD is high. The individual spike recoveries are within range, the MB is acceptable, and the LCS is within range, therefore the batch is approved.									
Sample ID: MB-R102938	Method Blank				Run: SUB-C102938				06/29/08 08:15
Lead 210	ND	pCi/L							U
Sample ID: LCS-R102938	Laboratory Control Sample				Run: SUB-C102938				06/29/08 08:15
Lead 210	520	pCi/L		88	70	130			
Method: E909.0M									Batch: C_R104386
Sample ID: C08050730-004FMS	Sample Matrix Spike				Run: SUB-C104386				06/27/08 08:45
Lead 210	1000	pCi/L		172	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: C08050730-004FMSD	Sample Matrix Spike Duplicate				Run: SUB-C104386				06/27/08 08:45
Lead 210	670	pCi/L		115	70	130	40	30	R
Sample ID: MB-R104386	Method Blank				Run: SUB-C104386				06/27/08 08:45
Lead 210	-2	pCi/L							U
Sample ID: LCS-R104386	Laboratory Control Sample				Run: SUB-C104386				06/27/08 08:45
Lead 210	110	pCi/L		98	70	130			

Qualifiers:

RL - Analyte reporting limit.
R - RPD exceeds advisory limit.
U - Not detected at minimum detectable concentration

ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050143

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RMO-3008									Batch: C_R102444
Sample ID: C08050737-001HMS	Sample Matrix Spike				Run: SUB-C102444				06/03/08 17:45
Polonium 210	51	pCi/L	1.0	112	70	130			
Sample ID: C08050737-001HMSD	Sample Matrix Spike Duplicate				Run: SUB-C102444				06/03/08 17:45
Polonium 210	48	pCi/L	1.0	107	70	130	5.0	30	
Sample ID: LCS-R102444	Laboratory Control Sample				Run: SUB-C102444				06/03/08 17:45
Polonium 210	58	pCi/L	1.0	133	70	130			S
- LCS response is outside of the acceptance range for this analysis. Since the MB, MS, MSD, and the RPD for the MS MSD pair are acceptable the batch is approved.									
Sample ID: MB-R102444	Method Blank				Run: SUB-C102444				06/03/08 17:45
Polonium 210	-0.1	pCi/L							U
Method: RMO-3008									Batch: C_R103071
Sample ID: C08051031-005IMS	Sample Matrix Spike				Run: SUB-C103071				06/19/08 12:00
Polonium 210	42	pCi/L	1.0	99	70	130			
Sample ID: C08051031-005IMSD	Sample Matrix Spike Duplicate				Run: SUB-C103071				06/19/08 12:00
Polonium 210	52	pCi/L	1.0	124	70	130	21	30	
Sample ID: LCS-R103071	Laboratory Control Sample				Run: SUB-C103071				06/19/08 12:00
Polonium 210	110	pCi/L	1.0	121	70	130			
Sample ID: MB-R103071	Method Blank				Run: SUB-C103071				06/19/08 12:00
Polonium 210	0.5	pCi/L							

Qualifiers:

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

Chain of Custody and Analytical Request Record

Page ____ of ____

PLEASE PRINT- Provide as much information as possible.

Company Name:	Project Name, PWS, Permit, Etc.	Sample Origin	EPA/State Compliance:
RESPEC	PowerTech Dewey Burdock	State:	Yes ☐ No ☐
Report Mail Address:	**Contact Name:** Phone/Fax:	**Email:**	**Sampler: (Please Print)**
	cory.foreman@respec.com		Eric Kuntz
Invoice Address:	**Invoice Contact & Phone:**	**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

ANALYSIS REQUESTED

As Per Quote

SEE ATTACHED

Normal Turnaround (TAT)

RUSH

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

Comments:

Shipped by:

Cooler ID(s):

Receipt Temp 6.6 °C

On Ice: (Yes) No

Custody Seal Y N
Intact Y N
Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX		
1	DewBurd GW681	5/12/08	12:45	W	set 6	L08060143-001
2						
3						
4						
5						
6						
7						
8						
9						
10						

Add analytical summary

LABORATORY USE ONLY

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Eric Kuntz	5/13/08 10:05				
Relinquished by (print):	Date/Time:	Signature:	Received by (print): Steve Froiland	Date/Time: 5-13-08 8:56	Signature:
			Received by Laboratory:	Date/Time:	Signature:

Sample Disposal: Return to Client: _____ Lab Disposal: _____

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.

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ANALYTICAL SUMMARY REPORT

July 29, 2008

Cory Foreman
RESPEC Inc
3824 Jet Dr
Rapid City, SD 57701-

Workorder No.: R08050199 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 1 sample from RESPEC Inc on 5/14/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08050199-001	DewBurd GW680	05/13/08 16:06	05/14/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Mercury, Total Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved

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: _____

Linda Larson
Rapid City - Project Manager

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050199-001
Client Sample ID: DewBurd GW680

Report Date: 07/29/08
Collection Date: 05/13/08 16:06
Date Received: 05/14/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	262	mg/L		5		1	A2320 B	05/19/08 11:19/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	05/19/08 11:19/mb
Bicarbonate as HCO3	319	mg/L		5		1	A2320 B	05/19/08 11:19/mb
Calcium	421	mg/L		0.5		2	E200.7	05/29/08 15:05/eli-c
Chloride	12	mg/L		1		1	E300.0	05/16/08 20:58/jmh
Fluoride	0.3	mg/L		0.1		1	E300.0	05/16/08 20:58/jmh
Magnesium	129	mg/L		0.5		2	E200.7	05/29/08 15:05/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	05/15/08 15:11/jmh
Nitrogen, Nitrate as N	0.1	mg/L		0.1		1	E300.0	05/16/08 20:58/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/16/08 20:58/jmh
Potassium	19.5	mg/L		0.5		2	E200.7	05/29/08 15:05/eli-c
Silica	3.8	mg/L		0.5		2	E200.7	05/29/08 15:05/eli-c
Sodium	126	mg/L	D	2		2	E200.7	05/29/08 15:05/eli-c
Sulfate	1200	mg/L	D	3		50	E300.0	05/16/08 20:09/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2580	umhos/cm		5.0		1	A2510 B	05/16/08 14:57/tb
Oxidation-Reduction Potential	270	mV				1	A2580 B	05/19/08 00:00/jmh
pH	7.14	s.u.		0.01		1	A4500-H B	05/16/08 12:14/tb
Sodium Adsorption Ratio (SAR)	1.4	unitless		0.10		1	Calculation	07/18/08 18:14/ADM
Solids, Total Dissolved TDS @ 180 C	2300	mg/L		5		1	A2540 C	05/20/08 09:49/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	05/29/08 15:05/eli-c
Arsenic	0.004	mg/L		0.001		1	E200.8	06/02/08 20:42/eli-c
Barium	ND	mg/L		0.1		2	E200.7	05/29/08 15:05/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	05/29/08 15:05/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/02/08 20:42/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/29/08 15:05/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/02/08 20:42/eli-c
Iron	0.19	mg/L		0.03		2	E200.7	05/29/08 15:05/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/02/08 20:42/eli-c
Manganese	0.47	mg/L		0.01		2	E200.7	05/29/08 15:05/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/02/08 20:42/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	05/29/08 15:05/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	05/29/08 15:05/eli-c
Selenium	ND	mg/L		0.005		1	A3114 B	05/30/08 17:23/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/02/08 20:42/eli-c

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.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050199-001
Client Sample ID: DewBurd GW680

Report Date: 07/29/08
Collection Date: 05/13/08 16:06
Date Received: 05/14/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	06/02/08 20:42/eli-c
Uranium	0.0213	mg/L		0.0003		1	E200.8	06/02/08 20:42/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	05/29/08 15:05/eli-c
Zinc	0.01	mg/L		0.01		2	E200.7	05/29/08 15:05/eli-c
METALS - SUSPENDED								
Uranium	0.0004	mg/L		0.0003		1	E200.8	06/03/08 22:59/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	05/30/08 13:57/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	05/30/08 18:20/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	6500	pCi/L				1	E900.0	07/15/08 06:03/eli-c
Gross Alpha precision (±)	83.7	pCi/L				1	E900.0	07/15/08 06:03/eli-c
Gross Alpha MDC	10.6	pCi/L				1	E900.0	07/15/08 06:03/eli-c
Gross Beta	2250	pCi/L				1	E900.0	07/15/08 06:03/eli-c
Gross Beta precision (±)	23.3	pCi/L				1	E900.0	07/15/08 06:03/eli-c
Gross Beta MDC	10.1	pCi/L				1	E900.0	07/15/08 06:03/eli-c
Lead 210	37.7	pCi/L				1	E909.0M	06/27/08 08:45/eli-c
Lead 210 MDC	16.0	pCi/L				1	E909.0M	06/27/08 08:45/eli-c
Lead 210 precision (±)	10.2	pCi/L				1	E909.0M	06/27/08 08:45/eli-c
Polonium 210	2.0	pCi/L		1.0		1	RMO-3008	06/03/08 17:45/eli-c
Polonium 210 precision (±)	1.5	pCi/L				1	RMO-3008	06/03/08 17:45/eli-c
Radium 226	1430	pCi/L				1	E903.0	05/29/08 14:22/eli-c
Radium 226 precision (±)	6.6	pCi/L				1	E903.0	05/29/08 14:22/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	06/02/08 15:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/02/08 15:00/eli-c
Gross Gamma	940	pCi/L		20		1	E901.1	05/28/08 05:30/eli-c
Gross Gamma precision (±)	58	pCi/L				1	E901.1	05/28/08 05:30/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	20.3	pCi/L	U			1	E909.0M	06/29/08 08:15/eli-c
Lead 210 precision (±)	36.4	pCi/L				1	E909.0M	06/29/08 08:15/eli-c
Lead 210 MDC	60.5	pCi/L				1	E909.0M	06/29/08 08:15/eli-c
Polonium 210	9.1	pCi/L		1.0		1	RMO-3008	06/19/08 12:00/eli-c
Polonium 210 precision (±)	4.9	pCi/L				1	RMO-3008	06/19/08 12:00/eli-c
Radium 226	13.2	pCi/L				1	E903.0	06/02/08 21:44/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050199-001
Client Sample ID: DewBurd GW680

Report Date: 07/29/08
Collection Date: 05/13/08 16:06
Date Received: 05/14/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	2.3	pCi/L				1	E903.0	06/02/08 21:44/eli-c
Radium 226 MDC	1.7	pCi/L				1	E903.0	06/02/08 21:44/eli-c
Thorium 230	0.4	pCi/L		0.2		1	E907.0	05/23/08 10:30/eli-c
Thorium 230 precision (±)	0.9	pCi/L				1	E907.0	05/23/08 10:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	151000	pCi/L		100		1	D5072-92	05/19/08 19:17/eli-c
Radon 222 precision (±)	699	pCi/L				1	D5072-92	05/19/08 19:17/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/07/08 05:46/eli-c
Arsenic	0.005	mg/L		0.001		1	E200.8	05/29/08 02:58/eli-c
Barium	ND	mg/L		0.1		1	E200.8	05/29/08 02:58/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	06/07/08 05:46/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	05/29/08 18:11/eli-c
Cadmium	ND	mg/L		0.001		1	E200.8	05/29/08 02:58/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/29/08 18:11/eli-c
Copper	ND	mg/L		0.01		1	E200.8	05/29/08 02:58/eli-c
Iron	0.34	mg/L		0.03		2	E200.7	05/29/08 18:11/eli-c
Lead	ND	mg/L		0.001		1	E200.8	05/29/08 02:58/eli-c
Manganese	0.50	mg/L		0.01		2	E200.7	05/29/08 18:11/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/04/08 18:07/eli-b
Molybdenum	ND	mg/L		0.01		1	E200.8	05/29/08 02:58/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	05/29/08 02:58/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/07/08 05:46/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/07/08 05:46/eli-c
Strontium	8.1	mg/L		0.1		1	E200.8	05/29/08 02:58/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	05/29/08 02:58/eli-c
Uranium	0.0238	mg/L		0.0003		1	E200.8	05/29/08 02:58/eli-c
Zinc	0.02	mg/L		0.01		2	E200.7	05/29/08 18:11/eli-c
DATA QUALITY								
A/C Balance (± 5)	10.2	%				1	A1030 E	07/18/08 00:00/jmh
Anions	30.6	meq/L				1	A1030 E	07/18/08 00:00/jmh
Cations	37.6	meq/L				1	A1030 E	07/18/08 00:00/jmh
Solids, Total Dissolved Calculated	2080	mg/L				1	A1030 E	07/18/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.11					1	A1030 E	07/18/08 00:00/jmh

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050199

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 080519A-ALK-SEL-W	
Sample ID: LCS1_080519A	Laboratory Control Sample				Run: PH_COND1-R_080519A			05/19/08 09:09	
Alkalinity, Total as CaCO3	948	mg/L	5.0	95	90	110			
Sample ID: MBLK1_080519A	Method Blank				Run: PH_COND1-R_080519A			05/19/08 09:13	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Sample ID: R08050190-010AMS	Sample Matrix Spike				Run: PH_COND1-R_080519A			05/19/08 11:13	
Alkalinity, Total as CaCO3	184	mg/L	5.0	91	80	120			
Sample ID: R08050190-010AMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_080519A			05/19/08 11:15	
Alkalinity, Total as CaCO3	192	mg/L	5.0	98	80	120	4.3	10	
Method: A2510 B								Batch: 080516_1_COND-PROBE-W	
Sample ID: LCS_COND-1_080516	Laboratory Control Sample				Run: PH_COND2-R_080516A			05/16/08 14:52	
Conductivity @ 25 C	1440	umhos/cm	5.0	102	90	110			
Sample ID: LCS1-1_080516	Laboratory Control Sample				Run: PH_COND2-R_080516A			05/16/08 14:52	
Conductivity @ 25 C	143	umhos/cm	5.0	95	90	110			
Sample ID: LCS2-1_080516	Laboratory Control Sample				Run: PH_COND2-R_080516A			05/16/08 14:53	
Conductivity @ 25 C	4970	umhos/cm	5.0	99	90	110			
Sample ID: R08050199-001ADUP	Sample Duplicate				Run: PH_COND2-R_080516A			05/16/08 15:02	
Conductivity @ 25 C	2560	umhos/cm	5.0				0.8	10	
Method: A2540 C								Batch: 080520A-SLDS-TDS-W	
Sample ID: LCS1_080520A	Laboratory Control Sample				Run: BAL-4-R_080520A			05/20/08 09:30	
Solids, Total Dissolved TDS @ 180 C	210	mg/L	5.0	103	90	110			
Sample ID: MBLK1_080520A	Method Blank				Run: BAL-4-R_080520A			05/20/08 09:32	
Solids, Total Dissolved TDS @ 180 C	4	mg/L	3						
Sample ID: R08040168-001ADUP	Sample Duplicate				Run: BAL-4-R_080520A			05/20/08 09:33	
Solids, Total Dissolved TDS @ 180 C	440	mg/L	5.0				1.8	20	
Sample ID: R08050215-003AMS	Sample Matrix Spike				Run: BAL-4-R_080520A			05/20/08 09:54	
Solids, Total Dissolved TDS @ 180 C	470	mg/L	5.0	107	80	120			
Sample ID: R08050215-003AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080520A			05/20/08 09:55	
Solids, Total Dissolved TDS @ 180 C	470	mg/L	5.0	108	80	120	0.4	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050199

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2580 B								Batch: 080519-ORP-ISE-W	
Sample ID: R08050143-001F	Sample Duplicate				Run: PH_COND1-R_080519B			05/19/08 00:00	
Oxidation-Reduction Potential	240	mV					2.2	10	
Method: A3114 B								Batch: C_SE3114-080530B	
Sample ID: MBLK	Method Blank				Run: SUB-C101945			05/30/08 13:53	
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-81-1	Laboratory Control Sample				Run: SUB-C101945			05/30/08 13:55	
Selenium-IV	0.053	mg/L	0.0010	105	90	110			
Sample ID: R08050199-001E	Sample Matrix Spike				Run: SUB-C101945			05/30/08 13:59	
Selenium-IV	0.053	mg/L	0.0010	106	85	115			
Sample ID: R08050199-001E	Sample Matrix Spike Duplicate				Run: SUB-C101945			05/30/08 14:01	
Selenium-IV	0.054	mg/L	0.0010	107	85	115	1.0	10	
Method: A3114 B								Batch: C_SE3114-080530C	
Sample ID: MBLK	Method Blank				Run: SUB-C101946			05/30/08 17:18	
Selenium	ND	mg/L	6E-05						
Sample ID: 288-81-1	Laboratory Control Sample				Run: SUB-C101946			05/30/08 17:20	
Selenium	0.054	mg/L	0.0010	108	90	110			
Sample ID: R08050199-001E	Sample Matrix Spike				Run: SUB-C101946			05/30/08 17:36	
Selenium	0.056	mg/L	0.0010	112	85	115			
Sample ID: R08050199-001E	Sample Matrix Spike Duplicate				Run: SUB-C101946			05/30/08 17:38	
Selenium	0.056	mg/L	0.0010	112	85	115	0.0	10	
Method: A4500-H B								Batch: 080516_1_PH-W	
Sample ID: LCS_pH-1_080516	Laboratory Control Sample				Run: PH_COND2-R_080516A			05/16/08 11:36	
pH	6.93	s.u.	0.010	101	98.55	101.45			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050199

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G								Batch: A2008-05-15_2_NH3_01	
Sample ID: MBLK-2	Method Blank				Run: TECHAA2-R_080515A			05/15/08 11:37	
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_080515A			05/15/08 11:38	
Nitrogen, Ammonia as N	0.27	mg/L	0.10	108	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_080515A			05/15/08 11:39	
Nitrogen, Ammonia as N	0.26	mg/L	0.10	105	90	110			
Sample ID: R08050196-004CMS	Sample Matrix Spike				Run: TECHAA2-R_080515A			05/15/08 15:07	
Nitrogen, Ammonia as N	0.24	mg/L	0.10	95	80	120			
Sample ID: R08050196-004CMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080515A			05/15/08 15:08	
Nitrogen, Ammonia as N	0.23	mg/L	0.10	92	80	120	3.9	10	
Method: D5072-92								Batch: C_R101445	
Sample ID: MB-R101445	Method Blank				Run: SUB-C101445			05/19/08 19:17	
Radon 222	30	pCi/L							
Sample ID: LCS-R101445	Laboratory Control Sample				Run: SUB-C101445			05/19/08 19:17	
Radon 222	301	pCi/L	100	89	70	130			
Sample ID: C08050787-001BDUP	Sample Duplicate				Run: SUB-C101445			05/19/08 19:17	
Radon 222	251000	pCi/L	100				6.6	30	
Sample ID: C08050602-001GDUP	Sample Duplicate				Run: SUB-C101445			05/19/08 19:17	
Radon 222	246	pCi/L	100				0.0	30	
Method: E200.7								Batch: C_18620	
Sample ID: R08050199-001D	Sample Matrix Spike				Run: SUB-C102628			06/12/08 20:50	
Boron	0.653	mg/L	0.10	106	70	130			
Chromium	0.534	mg/L	0.050	107	70	130			
Iron	3.04	mg/L	0.030	108	70	130			
Manganese	3.09	mg/L	0.010	104	70	130			
Zinc	0.543	mg/L	0.010	107	70	130			
Sample ID: R08050199-001D	Sample Matrix Spike Duplicate				Run: SUB-C102628			06/12/08 20:54	
Boron	0.665	mg/L	0.10	108	70	130	1.8	20	
Chromium	0.529	mg/L	0.050	106	70	130	0.9	20	
Iron	3.01	mg/L	0.030	107	70	130	0.9	20	
Manganese	3.08	mg/L	0.010	104	70	130	0.3	20	
Zinc	0.543	mg/L	0.010	107	70	130	0.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050199

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R101901
Sample ID: MB-080529A	Method Blank				Run: SUB-C101901				05/29/08 14:57
Silica	ND	mg/L	0.02						
Aluminum	ND	mg/L	0.02						
Barium	ND	mg/L	0.006						
Boron	0.03	mg/L	0.008						
Calcium	ND	mg/L	0.1						
Chromium	ND	mg/L	0.002						
Iron	0.007	mg/L	0.005						
Magnesium	ND	mg/L	0.04						
Manganese	ND	mg/L	0.0003						
Molybdenum	0.004	mg/L	0.003						
Nickel	ND	mg/L	0.004						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Vanadium	0.02	mg/L	0.003						
Zinc	0.003	mg/L	0.002						
Sample ID: LFB-080529A	Laboratory Fortified Blank				Run: SUB-C101901				05/29/08 15:01
Silica	0.37	mg/L	0.10	93	85	125			
Aluminum	0.92	mg/L	0.10	92	85	125			
Barium	1.0	mg/L	0.10	101	85	125			
Boron	1.1	mg/L	0.10	107	85	125			
Calcium	55	mg/L	0.50	110	85	125			
Chromium	1.0	mg/L	0.050	101	85	125			
Iron	1.1	mg/L	0.030	107	85	125			
Magnesium	53	mg/L	0.50	106	85	125			
Manganese	1.0	mg/L	0.010	102	85	125			
Molybdenum	0.98	mg/L	0.10	98	85	125			
Nickel	1.0	mg/L	0.050	100	85	125			
Potassium	47	mg/L	0.50	94	85	125			
Sodium	51	mg/L	0.77	101	85	125			
Vanadium	1.1	mg/L	0.10	108	85	125			
Zinc	1.0	mg/L	0.010	-143	85	125			S
Sample ID: R08050199-001C	Sample Matrix Spike				Run: SUB-C101901				05/29/08 15:09
Aluminum	1.77	mg/L	0.10	87	70	130			
Barium	2.07	mg/L	0.10	101	70	130			
Boron	2.29	mg/L	0.10	103	70	130			
Chromium	2.06	mg/L	0.050	101	70	130			
Iron	2.37	mg/L	0.030	107	70	130			
Manganese	2.52	mg/L	0.010	100	70	130			
Molybdenum	1.97	mg/L	0.10	96	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050199

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R101901
Sample ID: R08050199-001C	Sample Matrix Spike				Run: SUB-C101901				05/29/08 15:09
Nickel	2.04	mg/L	0.050	100	70	130			
Vanadium	2.24	mg/L	0.10	108	70	130			
Zinc	2.09	mg/L	0.010	102	70	130			
Calcium	507	mg/L	1.0		70	130			A
Magnesium	232	mg/L	1.0	102	70	130			
Potassium	110	mg/L	1.0	89	70	130			
Silica	5.07	mg/L	0.10		70	130			A
Sodium	226	mg/L	1.5	98	70	130			
Sample ID: R08050199-001C	Sample Matrix Spike Duplicate				Run: SUB-C101901				05/29/08 15:16
Aluminum	1.94	mg/L	0.10	95	70	130	9.2	20	
Barium	2.01	mg/L	0.10	98	70	130	3.1	20	
Boron	2.26	mg/L	0.10	101	70	130	1.4	20	
Chromium	2.01	mg/L	0.050	99	70	130	2.2	20	
Iron	2.32	mg/L	0.030	104	70	130	2.4	20	
Manganese	2.48	mg/L	0.010	98	70	130	1.7	20	
Molybdenum	1.94	mg/L	0.10	94	70	130	1.8	20	
Nickel	2.01	mg/L	0.050	99	70	130	1.3	20	
Vanadium	2.13	mg/L	0.10	103	70	130	5.0	20	
Zinc	2.04	mg/L	0.010	99	70	130	2.6	20	
Calcium	496	mg/L	1.0		70	130	2.3	20	A
Magnesium	231	mg/L	1.0	101	70	130	0.4	20	
Potassium	110	mg/L	1.0	89	70	130	0.6	20	
Silica	5.13	mg/L	0.10		70	130	1.2	20	A
Sodium	226	mg/L	1.5	99	70	130	0.3	20	
Sample ID: C08050806-001BMS2	Sample Matrix Spike				Run: SUB-C101901				05/29/08 16:09
Aluminum	4.64	mg/L	0.10	91	70	130			
Barium	5.04	mg/L	0.10	98	70	130			
Boron	5.83	mg/L	0.10	101	70	130			
Chromium	5.04	mg/L	0.050	99	70	130			
Iron	5.74	mg/L	0.044	103	70	130			
Manganese	5.09	mg/L	0.010	100	70	130			
Molybdenum	4.81	mg/L	0.10	94	70	130			
Nickel	4.96	mg/L	0.050	97	70	130			
Vanadium	5.51	mg/L	0.10	105	70	130			
Zinc	5.09	mg/L	0.010	99	70	130			
Calcium	483	mg/L	1.0	103	70	130			
Magnesium	307	mg/L	1.0	101	70	130			
Potassium	236	mg/L	1.0	90	70	130			
Silica	7.16	mg/L	0.10	74	70	130			

Qualifiers:

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ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050199

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R101901
Sample ID: C08050806-001BMS2	Sample Matrix Spike				Run: SUB-C101901				05/29/08 16:09
Sodium	691	mg/L	2.7	95	70	130			
Sample ID: C08050806-001BMSD2	Sample Matrix Spike Duplicate				Run: SUB-C101901				05/29/08 16:13
Aluminum	4.81	mg/L	0.10	94	70	130	3.7	20	
Barium	4.89	mg/L	0.10	95	70	130	3.1	20	
Boron	5.65	mg/L	0.10	98	70	130	3.1	20	
Chromium	4.87	mg/L	0.050	96	70	130	3.4	20	
Iron	5.61	mg/L	0.044	100	70	130	2.2	20	
Manganese	4.91	mg/L	0.010	96	70	130	3.6	20	
Molybdenum	4.73	mg/L	0.10	93	70	130	1.6	20	
Nickel	4.83	mg/L	0.050	95	70	130	2.6	20	
Vanadium	5.31	mg/L	0.10	101	70	130	3.8	20	
Zinc	4.87	mg/L	0.010	95	70	130	4.5	20	
Calcium	471	mg/L	1.0	98	70	130	2.6	20	
Magnesium	298	mg/L	1.0	98	70	130	2.9	20	
Potassium	237	mg/L	1.0	90	70	130	0.3	20	
Silica	7.21	mg/L	0.10	76	70	130			
Sodium	694	mg/L	2.7	97	70	130	0.5	20	
Method: E200.7_8									Batch: C_18620
Sample ID: R08050199-001D	Sample Matrix Spike				Run: SUB-C101901				05/29/08 18:15
Boron	0.663	mg/L	0.0010	105	70	130			
Chromium	0.548	mg/L	0.0010	110	70	130			
Iron	3.16	mg/L	0.0010	113	70	130			
Manganese	3.18	mg/L	0.0010	107	70	130			
Zinc	0.568	mg/L	0.0010	111	70	130			
Sample ID: R08050199-001D	Sample Matrix Spike Duplicate				Run: SUB-C101901				05/29/08 18:19
Boron	0.687	mg/L	0.0010	110	70	130	3.6	20	
Chromium	0.552	mg/L	0.0010	110	70	130	0.8	20	
Iron	3.20	mg/L	0.0010	114	70	130	1.3	20	
Manganese	3.21	mg/L	0.0010	108	70	130	0.8	20	
Zinc	0.573	mg/L	0.0010	112	70	130	0.8	20	

Qualifiers:

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050199

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18620
Sample ID: MB-18620	Method Blank				Run: SUB-C101838				05/29/08 00:50
Antimony	ND	mg/L	0.0002						
Arsenic	0.0005	mg/L	5E-05						
Barium	0.0001	mg/L	9E-05						
Cadmium	ND	mg/L	3E-05						
Copper	0.0003	mg/L	0.0002						
Lead	ND	mg/L	5E-05						
Molybdenum	0.0002	mg/L	5E-05						
Nickel	8E-05	mg/L	6E-05						
Silver	0.0001	mg/L	4E-05						
Strontium	ND	mg/L	8E-05						
Thallium	4E-05	mg/L	3E-05						
Uranium	ND	mg/L	3E-05						
Sample ID: LCS3-18620	Laboratory Control Sample				Run: SUB-C101838				05/29/08 01:24
Arsenic	0.499	mg/L	0.0010	100	85	115			
Barium	0.562	mg/L	0.10	112	85	115			
Cadmium	0.249	mg/L	0.010	100	85	115			
Copper	0.471	mg/L	0.010	94	85	115			
Lead	0.542	mg/L	0.050	108	85	115			
Molybdenum	0.563	mg/L	0.10	113	85	115			
Nickel	0.486	mg/L	0.050	97	85	115			
Silver	0.0470	mg/L	0.010	94	85	115			
Strontium	0.568	mg/L	0.10	114	85	115			
Thallium	0.559	mg/L	0.10	112	85	115			
Uranium	0.461	mg/L	0.00030	92	85	115			
Sample ID: R08050199-001D	Sample Matrix Spike				Run: SUB-C101838				05/29/08 03:05
Antimony	0.607	mg/L	0.050	121	70	130			
Arsenic	0.521	mg/L	0.0010	103	70	130			
Barium	0.588	mg/L	0.10	115	70	130			
Cadmium	0.240	mg/L	0.010	96	70	130			
Copper	0.467	mg/L	0.010	93	70	130			
Lead	0.548	mg/L	0.050	110	70	130			
Molybdenum	0.581	mg/L	0.10	116	70	130			
Nickel	0.488	mg/L	0.050	96	70	130			
Strontium	8.51	mg/L	0.10		70	130			A
Thallium	0.577	mg/L	0.10	115	70	130			
Uranium	0.495	mg/L	0.00030	94	70	130			
Sample ID: R08050199-001D	Sample Matrix Spike Duplicate				Run: SUB-C101838				05/29/08 03:11
Antimony	0.597	mg/L	0.050	119	70	130	1.7	20	

Qualifiers:

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ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050199

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: C_18620	
Sample ID: R08050199-001D	Sample Matrix Spike Duplicate				Run: SUB-C101838			05/29/08 03:11	
Arsenic	0.503	mg/L	0.0010	100	70	130	3.4	20	
Barium	0.577	mg/L	0.10	113	70	130	1.8	20	
Cadmium	0.234	mg/L	0.010	94	70	130	2.6	20	
Copper	0.451	mg/L	0.010	90	70	130	3.6	20	
Lead	0.543	mg/L	0.050	109	70	130	0.9	20	
Molybdenum	0.573	mg/L	0.10	114	70	130	1.5	20	
Nickel	0.474	mg/L	0.050	93	70	130	2.9	20	
Strontium	8.38	mg/L	0.10		70	130	1.6	20	A
Thallium	0.566	mg/L	0.10	113	70	130	2.0	20	
Uranium	0.493	mg/L	0.00030	94	70	130	0.3	20	
Sample ID: LCS3-18620	Laboratory Control Sample				Run: SUB-C102053			06/02/08 17:33	
Antimony	0.519	mg/L	0.050	104	85	115			
Arsenic	0.552	mg/L	0.0010	110	85	115			
Barium	0.532	mg/L	0.10	106	85	115			
Beryllium	0.266	mg/L	0.010	106	85	115			
Cadmium	0.269	mg/L	0.010	108	85	115			
Copper	0.509	mg/L	0.010	102	85	115			
Lead	0.529	mg/L	0.050	106	85	115			
Molybdenum	0.526	mg/L	0.10	105	85	115			
Nickel	0.508	mg/L	0.050	102	85	115			
Silver	0.0446	mg/L	0.010	89	85	115			
Strontium	0.543	mg/L	0.10	109	85	115			
Thallium	0.528	mg/L	0.10	106	85	115			
Uranium	0.527	mg/L	0.00032	105	85	115			
Sample ID: MB-18620	Method Blank				Run: SUB-C102135			06/03/08 18:30	
Antimony	0.0002	mg/L	0.0002						
Arsenic	0.002	mg/L	5E-05						
Barium	0.0001	mg/L	9E-05						
Beryllium	ND	mg/L	0.0001						
Cadmium	ND	mg/L	3E-05						
Copper	0.001	mg/L	0.0002						
Lead	1E-05	mg/L							
Molybdenum	ND	mg/L	5E-05						
Nickel	0.0002	mg/L	6E-05						
Silver	5E-05	mg/L	5E-05						
Strontium	ND	mg/L	8E-05						
Thallium	ND	mg/L	4E-05						
Uranium	ND	mg/L	3E-05						

Qualifiers:

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A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050199

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18620
Sample ID: R08050199-001D	Sample Matrix Spike				Run: SUB-C102135				06/03/08 19:51
Antimony	0.556	mg/L	0.050	111	70	130			
Arsenic	0.518	mg/L	0.0010	102	70	130			
Barium	0.512	mg/L	0.10	100	70	130			
Beryllium	0.259	mg/L	0.010	103	70	130			
Cadmium	0.256	mg/L	0.010	102	70	130			
Copper	0.505	mg/L	0.010	100	70	130			
Lead	0.532	mg/L	0.050	106	70	130			
Molybdenum	0.535	mg/L	0.10	107	70	130			
Nickel	0.506	mg/L	0.050	101	70	130			
Silver	0.0433	mg/L	0.010	86	70	130			
Strontium	7.90	mg/L	0.10		70	130			A
Thallium	0.528	mg/L	0.10	106	70	130			
Uranium	0.533	mg/L	0.00032	102	70	130			
Sample ID: R08050199-001D	Sample Matrix Spike Duplicate				Run: SUB-C102135				06/03/08 19:58
Antimony	0.559	mg/L	0.050	112	70	130	0.5	20	
Arsenic	0.521	mg/L	0.0010	103	70	130	0.7	20	
Barium	0.515	mg/L	0.10	101	70	130	0.6	20	
Beryllium	0.252	mg/L	0.010	101	70	130	2.5	20	
Cadmium	0.253	mg/L	0.010	101	70	130	1.2	20	
Copper	0.506	mg/L	0.010	100	70	130	0.1	20	
Lead	0.524	mg/L	0.050	105	70	130	1.6	20	
Molybdenum	0.534	mg/L	0.10	107	70	130	0.1	20	
Nickel	0.505	mg/L	0.050	100	70	130	0.3	20	
Silver	0.0455	mg/L	0.010	91	70	130	4.9	20	
Strontium	8.02	mg/L	0.10		70	130	1.5	20	A
Thallium	0.521	mg/L	0.10	104	70	130	1.4	20	
Uranium	0.521	mg/L	0.00032	100	70	130	2.2	20	
Sample ID: R08050199-001D	Sample Matrix Spike				Run: SUB-C102298				06/07/08 05:53
Antimony	0.537	mg/L	0.050	107	70	130			
Arsenic	0.525	mg/L	0.0010	104	70	130			
Barium	0.534	mg/L	0.10	104	70	130			
Beryllium	0.266	mg/L	0.010	106	70	130			
Cadmium	0.253	mg/L	0.010	101	70	130			
Copper	0.487	mg/L	0.010	97	70	130			
Lead	0.512	mg/L	0.050	102	70	130			
Molybdenum	0.510	mg/L	0.10	102	70	130			
Nickel	0.500	mg/L	0.050	100	70	130			
Selenium	0.499	mg/L	0.0020	100	70	130			
Silver	0.0447	mg/L	0.010	89	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050199

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Batch: C_18620	
Sample ID: R08050199-001D	Sample Matrix Spike				Run: SUB-C102298			06/07/08 05:53	
Strontium	7.56	mg/L	0.10		70	130			A
Thallium	0.506	mg/L	0.10	101	70	130			
Uranium	0.541	mg/L	0.00032	103	70	130			
Sample ID: R08050199-001D	Sample Matrix Spike Duplicate				Run: SUB-C102298			06/07/08 06:00	
Antimony	0.568	mg/L	0.050	114	70	130	5.6	20	
Arsenic	0.542	mg/L	0.0010	107	70	130	3.3	20	
Barium	0.555	mg/L	0.10	108	70	130	3.8	20	
Beryllium	0.272	mg/L	0.010	109	70	130	2.3	20	
Cadmium	0.263	mg/L	0.010	105	70	130	3.7	20	
Copper	0.505	mg/L	0.010	101	70	130	3.6	20	
Lead	0.533	mg/L	0.050	107	70	130	3.9	20	
Molybdenum	0.535	mg/L	0.10	107	70	130	4.9	20	
Nickel	0.520	mg/L	0.050	104	70	130	3.9	20	
Selenium	0.518	mg/L	0.0020	104	70	130	3.7	20	
Silver	0.0480	mg/L	0.010	96	70	130	7.0	20	
Strontium	7.91	mg/L	0.10		70	130	4.5	20	A
Thallium	0.527	mg/L	0.10	105	70	130	4.1	20	
Uranium	0.566	mg/L	0.00032	108	70	130	4.5	20	
Method: E200.8								Batch: C_18653	
Sample ID: MB-18653	Method Blank				Run: SUB-C102135			06/03/08 22:39	
Uranium	5E-05	mg/L	2E-05						
Sample ID: LCS1-18653	Laboratory Control Sample				Run: SUB-C102135			06/03/08 22:46	
Uranium	0.0230	mg/L	0.00030	109	80	120			
Sample ID: R08050199-001I	Post Digestion Spike				Run: SUB-C102135			06/03/08 23:06	
Uranium	0.0510	mg/L	0.00030	101	70	130			
Sample ID: R08050199-001I	Post Digestion Spike Duplicate				Run: SUB-C102135			06/03/08 23:13	
Uranium	0.0518	mg/L	0.00030	103	70	130	1.6	20	

Qualifiers:

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050199

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R102053
Sample ID: LRB	Method Blank				Run: SUB-C102053				06/02/08 13:51
Arsenic	ND	mg/L	6E-05						
Cadmium	ND	mg/L	1E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Mercury	ND	mg/L	8E-05						
Silver	ND	mg/L	3E-05						
Thorium 232	ND	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C102053				06/02/08 13:58
Arsenic	0.0501	mg/L	0.0010	100	85	115			
Cadmium	0.0507	mg/L	0.0010	101	85	115			
Copper	0.0509	mg/L	0.0010	102	85	115			
Lead	0.0508	mg/L	0.0010	102	85	115			
Mercury	0.00477	mg/L	0.0010	95	85	115			
Silver	0.0196	mg/L	0.0010	98	85	115			
Thorium 232	0.0505	mg/L	0.0010	101	85	115			
Uranium	0.0511	mg/L	0.00030	102	85	115			
Sample ID: R08050199-001C	Post Digestion Spike				Run: SUB-C102053				06/02/08 20:48
Arsenic	0.0554	mg/L	0.0010	103	70	130			
Cadmium	0.0489	mg/L	0.010	98	70	130			
Copper	0.0481	mg/L	0.010	95	70	130			
Lead	0.0517	mg/L	0.050	103	70	130			
Mercury	0.00484	mg/L	0.0010	97	70	130			
Silver	0.0109	mg/L	0.010	55	70	130			S
Thorium 232	0.0539	mg/L	0.0010	108	70	130			
Uranium	0.0748	mg/L	0.00030	107	70	130			
Sample ID: R08050199-001C	Post Digestion Spike Duplicate				Run: SUB-C102053				06/02/08 20:55
Arsenic	0.0544	mg/L	0.0010	101	70	130	2.0	20	
Cadmium	0.0477	mg/L	0.010	95	70	130	2.3	20	
Copper	0.0499	mg/L	0.010	98	70	130	3.7	20	
Lead	0.0512	mg/L	0.050	102	70	130	1.0	20	
Mercury	0.00486	mg/L	0.0010	97	70	130	0.5	20	
Silver	0.0111	mg/L	0.010	55	70	130	1.1	20	S
Thorium 232	0.0533	mg/L	0.0010	106	70	130	1.2	20	
Uranium	0.0733	mg/L	0.00030	104	70	130	1.9	20	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050199

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E245.1									Batch: C_B_32786
Sample ID: MB-32786	Method Blank				Run: SUB-C102258				06/04/08 17:57
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-32786	Laboratory Fortified Blank				Run: SUB-C102258				06/04/08 18:05
Mercury	0.0019	mg/L	0.0010	91	85	115			
Sample ID: B08052561-001DMS	Sample Matrix Spike				Run: SUB-C102258				06/04/08 18:14
Mercury	0.0019	mg/L	0.0010	94	70	130			
Sample ID: B08052561-001DMSD	Sample Matrix Spike Duplicate				Run: SUB-C102258				06/04/08 18:16
Mercury	0.0021	mg/L	0.0010	100	70	130	7.0	30	
Method: E245.1									Analytical Run: SUB-C102258
Sample ID: QCS	Initial Calibration Verification Standard								06/04/08 17:50
Mercury	0.0021	mg/L	0.0010	103	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050199

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R34815
Sample ID: LFB0805165430-3	Laboratory Fortified Blank				Run: DIONEX_080516A				05/16/08 19:36
Chloride	4.67	mg/L	0.50	93	90	110			
Fluoride	1.85	mg/L	0.10	93	90	110			
Nitrogen, Nitrate as N	2.38	mg/L	0.10	95	90	110			
Nitrogen, Nitrite as N	2.44	mg/L	0.10	98	90	110			
Sulfate	14.1	mg/L	1.0	94	90	110			
Sample ID: LFB0805165430-4	Laboratory Fortified Blank				Run: DIONEX_080516A				05/16/08 19:52
Chloride	4.58	mg/L	0.50	92	90	110			
Fluoride	1.82	mg/L	0.10	91	90	110			
Nitrogen, Nitrate as N	2.30	mg/L	0.10	92	90	110			
Nitrogen, Nitrite as N	2.40	mg/L	0.10	96	90	110			
Sulfate	13.7	mg/L	1.0	91	90	110			
Sample ID: R08050199-001AMS	Sample Matrix Spike				Run: DIONEX_080516A				05/16/08 20:25
Chloride	249	mg/L	5.4	89	80	120			
Fluoride	94.9	mg/L	0.56	88	80	120			
Nitrogen, Nitrate as N	119	mg/L	1.3	95	80	120			
Nitrogen, Nitrite as N	124	mg/L	2.9	99	80	120			
Sulfate	1880	mg/L	3.4	90	80	120			
Sample ID: R08050199-001AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080516A				05/16/08 20:41
Chloride	242	mg/L	5.4	86	80	120	2.8	10	
Fluoride	92.2	mg/L	0.56	86	80	120	2.9	10	
Nitrogen, Nitrate as N	115	mg/L	1.3	92	80	120	3.2	10	
Nitrogen, Nitrite as N	120	mg/L	2.9	96	80	120	3.2	10	
Sulfate	1860	mg/L	3.4	87	80	120	1.0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050199

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0									Batch: C_GrAB-0476
Sample ID: MB-GrAB-0476	Method Blank				Run: SUB-C104198				07/11/08 21:29
Gross Alpha	-1	pCi/L							
Gross Beta	-3	pCi/L							
Sample ID: UNAT-GrAB-0476	Laboratory Control Sample				Run: SUB-C104198				07/11/08 21:29
Gross Alpha	150	pCi/L		112	70	130			
Sample ID: Cs137-GrAB-0476	Laboratory Control Sample				Run: SUB-C104198				07/11/08 21:29
Gross Beta	100	pCi/L		109	70	130			
Sample ID: C08060608-001PMS	Sample Matrix Spike				Run: SUB-C104198				07/11/08 21:29
Gross Alpha	130	pCi/L		88	70	130			
Sample ID: C08060608-001PMSD	Sample Matrix Spike Duplicate				Run: SUB-C104198				07/11/08 21:29
Gross Alpha	120	pCi/L		87	70	130	0.6	19.2	
Sample ID: C08060608-001PMS	Sample Matrix Spike				Run: SUB-C104198				07/11/08 21:29
Gross Beta	100	pCi/L		104	70	130			
Sample ID: C08060608-001PMSD	Sample Matrix Spike Duplicate				Run: SUB-C104198				07/11/08 21:29
Gross Beta	100	pCi/L		102	70	130	2.1	16.1	
Method: E901.1									Batch: C_R101877
Sample ID: LCS-R101877	Laboratory Control Sample				Run: SUB-C101877				05/28/08 05:30
Cesium 137	1140	pCi/L	20	82	70	130			
Sample ID: MB-R101877	Method Blank				Run: SUB-C101877				05/28/08 05:30
Gross Gamma	ND	pCi/L							U
Sample ID: C08050919-001HDUP	Sample Duplicate				Run: SUB-C101877				05/28/08 05:30
Gross Gamma	6600	pCi/L	20				0.1	30	
Sample ID: C08051031-005HDUP	Sample Duplicate				Run: SUB-C101877				05/28/08 05:30
Gross Gamma	ND	pCi/L	20				0.0	30	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050199

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: C_18653
Sample ID: C08050601-001ADUP	Sample Duplicate				Run: SUB-C102132				06/02/08 15:56
Radium 226	-1.2	pCi/L			70	130	7.7	134.8	U
Sample ID: C08050705-001BMS	Sample Matrix Spike				Run: SUB-C102132				06/02/08 21:44
Radium 226	63	pCi/L		81	70	130			
Sample ID: C08050705-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-C102132				06/02/08 21:44
Radium 226	62	pCi/L		79	70	130	2.2	25.2	
Sample ID: MB-18653	Method Blank				Run: SUB-C102132				06/02/08 21:44
Radium 226	-2	pCi/L							U
Sample ID: LCS-18653	Laboratory Control Sample				Run: SUB-C102132				06/02/08 21:44
Radium 226	13	pCi/L		92	70	130			
Method: E903.0									Batch: C_RA226-2820
Sample ID: TAP WATER-MS	Sample Matrix Spike				Run: SUB-C101991				05/29/08 15:57
Radium 226	7.4	pCi/L		91	70	130			
Sample ID: TAP WATER-MSD	Sample Matrix Spike Duplicate				Run: SUB-C101991				05/29/08 15:57
Radium 226	8.2	pCi/L		101	70	130	9.6	23.1	
Sample ID: MB-RA226-2820	Method Blank				Run: SUB-C101991				05/29/08 15:57
Radium 226	-0.1	pCi/L							U
Sample ID: LCS-RA226-2820	Laboratory Control Sample				Run: SUB-C101991				05/29/08 15:57
Radium 226	7.9	pCi/L		102	70	130			
Method: E907.0									Batch: C_18653
Sample ID: C08050601-001ADUP	Sample Duplicate				Run: SUB-C101872				05/23/08 10:30
Thorium 230	-0.0950	pCi/L	0.20		70	130	0.0	30	
Sample ID: C08050701-004AMS	Sample Matrix Spike				Run: SUB-C101872				05/23/08 10:30
Thorium 230	82.5	pCi/Filter	0.20	88	70	130			
Sample ID: C08050701-004AMSD	Sample Matrix Spike Duplicate				Run: SUB-C101872				05/23/08 10:30
Thorium 230	89.3	pCi/Filter	0.20	96	70	130	8.0	30	
Sample ID: LCS-R101872	Laboratory Control Sample				Run: SUB-C101872				05/23/08 10:30
Thorium 230	55.2	pCi/Filter	0.20	115	70	130			
Sample ID: MB-R101872	Method Blank				Run: SUB-C101872				05/23/08 10:30
Thorium 230	0.7	pCi/Filter							

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: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050199

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: C_R102465
Sample ID: LCS-R102465	Laboratory Control Sample				Run: SUB-C102465				06/02/08 15:00
Thorium 230	7.50	pCi/L	0.20	109	70	130			
Sample ID: R08050199-001H	Sample Matrix Spike				Run: SUB-C102465				06/02/08 15:00
Thorium 230	16.1	pCi/L	0.20	99	70	130			
Sample ID: R08050199-001H	Sample Matrix Spike Duplicate				Run: SUB-C102465				06/02/08 15:00
Thorium 230	17.0	pCi/L	0.20	103	70	130	5.4	30	
Sample ID: MB-R102465	Method Blank				Run: SUB-C102465				06/02/08 15:00
Thorium 230	ND	pCi/L							
Method: E909.0M									Batch: C_18653
Sample ID: C08050601-001ADUP	Sample Duplicate				Run: SUB-C102938				06/29/08 08:15
Lead 210	-2.9	pCi/L					6000	30	R
- Activity of both samples is below detection limit, resulting in high RPD. Batch is acceptable.									
Sample ID: R08050199-001I	Sample Matrix Spike				Run: SUB-C102938				06/29/08 08:15
Lead 210	1200	pCi/L		96	70	130			
Sample ID: R08050199-001I	Sample Matrix Spike Duplicate				Run: SUB-C102938				06/29/08 08:15
Lead 210	2400	pCi/L		102	70	130	71	30	R
- The RPD for the MSD is high. The individual spike recoveries are within range, the MB is acceptable, and the LCS is within range, therefore the batch is approved.									
Sample ID: MB-R102938	Method Blank				Run: SUB-C102938				06/29/08 08:15
Lead 210	ND	pCi/L							U
Sample ID: LCS-R102938	Laboratory Control Sample				Run: SUB-C102938				06/29/08 08:15
Lead 210	520	pCi/L		88	70	130			
Method: E909.0M									Batch: C_R104386
Sample ID: C08050730-004FMS	Sample Matrix Spike				Run: SUB-C104386				06/27/08 08:45
Lead 210	1000	pCi/L		172	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: C08050730-004FMSD	Sample Matrix Spike Duplicate				Run: SUB-C104386				06/27/08 08:45
Lead 210	670	pCi/L		115	70	130	40	30	R
Sample ID: MB-R104386	Method Blank				Run: SUB-C104386				06/27/08 08:45
Lead 210	-2	pCi/L							U
Sample ID: LCS-R104386	Laboratory Control Sample				Run: SUB-C104386				06/27/08 08:45
Lead 210	110	pCi/L		98	70	130			

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/29/08
Work Order: R08050199

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RMO-3008									Batch: C_R102444
Sample ID: C08050737-001HMS	Sample Matrix Spike				Run: SUB-C102444				06/03/08 17:45
Polonium 210	51	pCi/L	1.0	112	70	130			
Sample ID: C08050737-001HMSD	Sample Matrix Spike Duplicate				Run: SUB-C102444				06/03/08 17:45
Polonium 210	48	pCi/L	1.0	107	70	130	5.0	30	
Sample ID: LCS-R102444	Laboratory Control Sample				Run: SUB-C102444				06/03/08 17:45
Polonium 210	58	pCi/L	1.0	133	70	130			S
- LCS response is outside of the acceptance range for this analysis. Since the MB, MS, MSD, and the RPD for the MS MSD pair are acceptable the batch is approved.									
Sample ID: MB-R102444	Method Blank				Run: SUB-C102444				06/03/08 17:45
Polonium 210	-0.1	pCi/L							U
Method: RMO-3008									Batch: C_R103071
Sample ID: C08051031-005IMS	Sample Matrix Spike				Run: SUB-C103071				06/19/08 12:00
Polonium 210	42	pCi/L	1.0	99	70	130			
Sample ID: C08051031-005IMSD	Sample Matrix Spike Duplicate				Run: SUB-C103071				06/19/08 12:00
Polonium 210	52	pCi/L	1.0	124	70	130	21	30	
Sample ID: LCS-R103071	Laboratory Control Sample				Run: SUB-C103071				06/19/08 12:00
Polonium 210	110	pCi/L	1.0	121	70	130			
Sample ID: MB-R103071	Method Blank				Run: SUB-C103071				06/19/08 12:00
Polonium 210	0.5	pCi/L							

Qualifiers:

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

Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT- Provide as much information as possible.

Company Name: RESPEC	Project Name, PWS, Permit, Etc.: POWER TECH DEWEY BURDOCK	Sample Origin State: SD	EPA/State Compliance: Yes ☐ No ☐
Report Mail Address: RESPEC	Contact Name: Phone/Fax: Cory - foreman@respec.com	Email:	Sampler: (Please Print) Eric Kramer
Invoice Address:	Invoice Contact & Phone:	Purchase Order:	Quote/Bottle Order:

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

☐ DW ☐ GSA ☐ POTW/WWTP ☐ State: _____ ☐ Other: _____

☐ A2LA ☐ EDD/EDT (Electronic Data) Format: _____ ☐ LEVEL IV ☐ NELAC

ANALYSIS REQUESTED

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

As per Quote

SEE ATTACHED

Normal Turnaround (TAT)

RUSH

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

Comments: Set 14

Shipped by:

Cooler ID(s):

Receipt Temp 8.1 °C

On Ice: (Yes) No

Custody Seal Y N

Intact Y N

Signature Match Y N

LABORATORY USE ONLY

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX	
1	DewBurd GW680	5/13/08	16:06	W	R0805199-001
2					
3					
4					
5					
6					
7					
8					
9					
10					

Add analytical Summary

Custody Record MUST be Signed

Relinquished by (print): Eric Kramer	Date/Time: 5/14/08 0715	Signature:	Received by (print): Mark Hollenbeck	Date/Time: 5/14/08 0715
Relinquished by (print): Mark Hollenbeck	Date/Time: 5/19/08 1510	Signature:	Received by (print):	Date/Time:
Sample Disposal: Return to Client: _____	Lab Disposal: _____		Received by Laboratory: Linda Larson	Date/Time: 5/19/08 1510

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.

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ANALYTICAL SUMMARY REPORT

August 14, 2008

Cory Foreman
RESPEC Inc
3824 Jet Dr
Rapid City, SD 57701-

Workorder No.: R08050229 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 2 samples from RESPEC Inc on 5/19/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08050229-001	DewBurd GW681	05/18/08 11:18	05/19/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Mercury, Total Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved
R08050229-002	DewBurd GW679	05/18/08 18:00	05/19/08	Aqueous	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: Linda Larson

Linda Larson
Rapid City - Project Manager

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050229-001
Client Sample ID: DewBurd GW681

Report Date: 08/14/08
Collection Date: 05/18/08 11:18
Date Received: 05/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	180	mg/L		5		1	A2320 B	05/19/08 14:53/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	05/19/08 14:53/mb
Bicarbonate as HCO3	219	mg/L		5		1	A2320 B	05/19/08 14:53/mb
Calcium	68.4	mg/L		0.5		2	E200.7	06/04/08 18:56/eli-c
Chloride	16	mg/L		1		1	E300.0	05/20/08 14:52/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	05/20/08 14:52/jmh
Magnesium	25.5	mg/L		0.5		2	E200.7	06/04/08 18:56/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	05/21/08 17:12/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	05/20/08 14:52/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/20/08 14:52/jmh
Potassium	9.6	mg/L		0.5		2	E200.7	06/04/08 18:56/eli-c
Silica	4.3	mg/L		0.5		2	E200.7	06/04/08 18:56/eli-c
Sodium	221	mg/L	D	2		2	E200.7	06/04/08 18:56/eli-c
Sulfate	465	mg/L	D	3		50	E300.0	05/20/08 14:02/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1500	umhos/cm		5.0		1	A2510 B	05/23/08 16:01/tb
Oxidation-Reduction Potential	220	mV				1	A2580 B	05/19/08 00:00/jmh
pH	8.15	s.u.		0.01		1	A4500-H B	05/23/08 14:31/kh
Sodium Adsorption Ratio (SAR)	5.8	unitless		0.10		1	Calculation	08/09/08 17:06/ADM
Solids, Total Dissolved TDS @ 180 C	890	mg/L		5		1	A2540 C	05/20/08 10:04/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/04/08 18:56/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	06/04/08 15:59/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/04/08 18:56/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/04/08 18:56/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/04/08 15:59/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/04/08 18:56/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/04/08 15:59/eli-c
Iron	ND	mg/L		0.03		2	E200.7	06/04/08 18:56/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/04/08 15:59/eli-c
Manganese	0.10	mg/L		0.01		2	E200.7	06/04/08 18:56/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/04/08 15:59/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/04/08 18:56/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/04/08 18:56/eli-c
Selenium	ND	mg/L		0.005		1	A3114 B	06/03/08 15:17/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/04/08 15:59/eli-c

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.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050229-001
Client Sample ID: DewBurd GW681

Report Date: 08/14/08
Collection Date: 05/18/08 11:18
Date Received: 05/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	06/04/08 15:59/eli-c
Uranium	0.0096	mg/L		0.0003		1	E200.8	06/04/08 15:59/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/04/08 18:56/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/04/08 18:56/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	06/07/08 21:57/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/03/08 11:24/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/03/08 16:19/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	1220	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Alpha precision (±)	21.9	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Alpha MDC	3.2	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Beta	304	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Beta precision (±)	5.5	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Beta MDC	3.7	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Lead 210	38.2	pCi/L				1	E909.0M	06/25/08 11:25/eli-c
Lead 210 MDC	19.9	pCi/L				1	E909.0M	06/25/08 11:25/eli-c
Lead 210 precision (±)	12.7	pCi/L				1	E909.0M	06/25/08 11:25/eli-c
Polonium 210	1.2	pCi/L		1.0		1	RMO-3008	06/03/08 17:45/eli-c
Polonium 210 precision (±)	1.1	pCi/L				1	RMO-3008	06/03/08 17:45/eli-c
Radium 226	423	pCi/L				1	E903.0	06/08/08 17:06/eli-c
Radium 226 precision (±)	15.1	pCi/L				1	E903.0	06/08/08 17:06/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	06/05/08 15:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/05/08 15:00/eli-c
Gross Gamma	6600	pCi/L		20		1	E901.1	05/28/08 05:30/eli-c
Gross Gamma precision (±)	130	pCi/L				1	E901.1	05/28/08 05:30/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	20.2	pCi/L				1	E909.0M	07/03/08 09:50/eli-c
Lead 210 precision (±)	5.6	pCi/L				1	E909.0M	07/03/08 09:50/eli-c
Lead 210 MDC	8.8	pCi/L				1	E909.0M	07/03/08 09:50/eli-c
Polonium 210	3.2	pCi/L		1.0		1	RMO-3008	06/19/08 12:00/eli-c
Polonium 210 precision (±)	1.3	pCi/L				1	RMO-3008	06/19/08 12:00/eli-c
Radium 226	1.6	pCi/L				1	E903.0	06/03/08 08:59/eli-c

Report Definitions:
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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: RESPEC Inc
Project: Edgemont
Lab ID: R08050229-001
Client Sample ID: DewBurd GW681

Report Date: 08/14/08
Collection Date: 05/18/08 11:18
Date Received: 05/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	06/03/08 08:59/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	06/03/08 08:59/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	05/29/08 15:00/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	05/29/08 15:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	462000	pCi/L		100		1	D5072-92	05/23/08 07:37/eli-c
Radon 222 precision (±)	1020	pCi/L				1	D5072-92	05/23/08 07:37/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/06/08 17:28/eli-c
Arsenic	0.004	mg/L		0.001		1	E200.8	06/06/08 17:28/eli-c
Barium	ND	mg/L		0.1		2	E200.7	05/27/08 21:31/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	06/09/08 14:59/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/27/08 21:31/eli-c
Cadmium	ND	mg/L		0.001		1	E200.8	06/06/08 17:28/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/27/08 21:31/eli-c
Copper	ND	mg/L		0.01		2	E200.7	05/27/08 21:31/eli-c
Iron	0.05	mg/L		0.03		2	E200.7	05/27/08 21:31/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/06/08 17:28/eli-c
Manganese	0.09	mg/L		0.01		2	E200.7	05/27/08 21:31/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/04/08 19:54/eli-b
Molybdenum	ND	mg/L		0.01		1	E200.8	06/06/08 17:28/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	05/27/08 21:31/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/06/08 17:28/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/06/08 17:28/eli-c
Strontium	1.3	mg/L		0.1		2	E200.7	05/27/08 21:31/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/06/08 17:28/eli-c
Uranium	0.0108	mg/L		0.0003		1	E200.8	06/06/08 17:28/eli-c
Zinc	0.01	mg/L		0.01		2	E200.7	05/27/08 21:31/eli-c
DATA QUALITY								
A/C Balance (± 5)	5.53	%				1	A1030 E	08/09/08 00:00/jmh
Anions	13.8	meq/L				1	A1030 E	08/09/08 00:00/jmh
Cations	15.4	meq/L				1	A1030 E	08/09/08 00:00/jmh
Solids, Total Dissolved Calculated	926	mg/L				1	A1030 E	08/09/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.970					1	A1030 E	08/09/08 00:00/jmh

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U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050229-002
Client Sample ID: DewBurd GW679

Report Date: 08/14/08
Collection Date: 05/18/08 18:00
Date Received: 05/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	158	mg/L		5		1	A2320 B	05/19/08 14:58/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	05/19/08 14:58/mb
Bicarbonate as HCO3	193	mg/L		5		1	A2320 B	05/19/08 14:58/mb
Calcium	515	mg/L		0.5		2	E200.7	06/04/08 19:00/eli-c
Chloride	11	mg/L		1		1	E300.0	05/20/08 15:24/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	05/20/08 15:24/jmh
Magnesium	109	mg/L		0.5		2	E200.7	06/04/08 19:00/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	05/21/08 17:14/jmh
Nitrogen, Nitrate as N	1.1	mg/L		0.1		1	E300.0	05/20/08 15:24/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/20/08 15:24/jmh
Potassium	11.1	mg/L		0.5		2	E200.7	06/04/08 19:00/eli-c
Silica	6.0	mg/L		0.5		2	E200.7	06/04/08 19:00/eli-c
Sodium	82	mg/L	D	2		2	E200.7	06/04/08 19:00/eli-c
Sulfate	1440	mg/L	D	3		50	E300.0	05/20/08 15:08/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2880	umhos/cm		5.0		1	A2510 B	05/23/08 16:03/tb
Oxidation-Reduction Potential	240	mV				1	A2580 B	05/19/08 00:00/jmh
pH	7.83	s.u.		0.01		1	A4500-H B	05/23/08 14:34/kh
Sodium Adsorption Ratio (SAR)	0.86	unitless		0.10		1	Calculation	08/09/08 17:06/ADM
Solids, Total Dissolved TDS @ 180 C	2500	mg/L		5		1	A2540 C	05/20/08 10:08/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/04/08 19:00/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	06/04/08 16:27/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/04/08 19:00/eli-c
Boron	0.4	mg/L		0.1		2	E200.7	06/04/08 19:00/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/04/08 16:27/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/04/08 19:00/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/04/08 16:27/eli-c
Iron	ND	mg/L		0.03		2	E200.7	06/04/08 19:00/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/04/08 16:27/eli-c
Manganese	0.04	mg/L		0.01		2	E200.7	06/04/08 19:00/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/04/08 16:27/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/04/08 19:00/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/04/08 19:00/eli-c
Selenium	0.010	mg/L		0.005		1	A3114 B	06/03/08 15:19/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/04/08 16:27/eli-c

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.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050229-002
Client Sample ID: DewBurd GW679

Report Date: 08/14/08
Collection Date: 05/18/08 18:00
Date Received: 05/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	06/04/08 16:27/eli-c
Uranium	0.0112	mg/L		0.0003		1	E200.8	06/04/08 16:27/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/04/08 19:00/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/04/08 19:00/eli-c
METALS - SUSPENDED								
Uranium	0.0012	mg/L		0.0003		1	E200.8	06/07/08 22:02/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/03/08 11:26/eli-c
Selenium-VI	0.010	mg/L		0.001		1	A3114 B	06/03/08 16:19/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	22.4	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Alpha precision (±)	6.3	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Alpha MDC	7.5	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Beta	10.8	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Beta precision (±)	5.3	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Beta MDC	8.6	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Lead 210	4.5	pCi/L	U			1	E909.0M	06/25/08 11:25/eli-c
Lead 210 MDC	17.8	pCi/L				1	E909.0M	06/25/08 11:25/eli-c
Lead 210 precision (±)	10.7	pCi/L				1	E909.0M	06/25/08 11:25/eli-c
Polonium 210	-0.1	pCi/L	U	1.0		1	RMO-3008	06/03/08 17:45/eli-c
Polonium 210 precision (±)	0.10	pCi/L				1	RMO-3008	06/03/08 17:45/eli-c
Radium 226	3.7	pCi/L				1	E903.0	06/08/08 18:37/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	06/08/08 18:37/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	06/05/08 15:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/05/08 15:00/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/28/08 05:30/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	05/28/08 05:30/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-9.8	pCi/L	U			1	E909.0M	07/03/08 09:50/eli-c
Lead 210 precision (±)	20.8	pCi/L				1	E909.0M	07/03/08 09:50/eli-c
Lead 210 MDC	35.2	pCi/L				1	E909.0M	07/03/08 09:50/eli-c
Polonium 210	-0.3	pCi/L	U	1.0		1	RMO-3008	06/19/08 12:00/eli-c
Polonium 210 precision (±)	1.7	pCi/L				1	RMO-3008	06/19/08 12:00/eli-c
Radium 226	0.2	pCi/L	U			1	E903.0	06/03/08 08:59/eli-c

Report Definitions:
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MDC - Minimum detectable concentration
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ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050229-002
Client Sample ID: DewBurd GW679

Report Date: 08/14/08
Collection Date: 05/18/08 18:00
Date Received: 05/19/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	1.1	pCi/L				1	E903.0	06/03/08 08:59/eli-c
Radium 226 MDC	1.8	pCi/L				1	E903.0	06/03/08 08:59/eli-c
Thorium 230	1.4	pCi/L		0.2		1	E907.0	05/29/08 15:00/eli-c
Thorium 230 precision (±)	0.9	pCi/L				1	E907.0	05/29/08 15:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	1250	pCi/L		100		1	D5072-92	05/23/08 07:37/eli-c
Radon 222 precision (±)	91.2	pCi/L				1	D5072-92	05/23/08 07:37/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/06/08 17:35/eli-c
Arsenic	0.011	mg/L		0.001		1	E200.8	06/06/08 17:35/eli-c
Barium	0.3	mg/L		0.1		2	E200.7	05/27/08 21:35/eli-c
Beryllium	0.002	mg/L		0.001		1	E200.8	06/09/08 15:05/eli-c
Boron	0.4	mg/L		0.1		2	E200.7	05/27/08 21:35/eli-c
Cadmium	ND	mg/L		0.001		1	E200.8	06/06/08 17:35/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/27/08 21:35/eli-c
Copper	0.03	mg/L		0.01		2	E200.7	05/27/08 21:35/eli-c
Iron	26.4	mg/L		0.03		2	E200.7	05/27/08 21:35/eli-c
Lead	0.022	mg/L		0.001		1	E200.8	06/06/08 17:35/eli-c
Manganese	0.57	mg/L		0.01		2	E200.7	05/27/08 21:35/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/04/08 19:57/eli-b
Molybdenum	0.02	mg/L		0.01		1	E200.8	06/06/08 17:35/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	05/27/08 21:35/eli-c
Selenium	0.013	mg/L		0.001		1	E200.8	06/06/08 17:35/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/06/08 17:35/eli-c
Strontium	7.8	mg/L		0.1		2	E200.7	05/27/08 21:35/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/06/08 17:35/eli-c
Uranium	0.0164	mg/L		0.0003		1	E200.8	06/06/08 17:35/eli-c
Zinc	0.09	mg/L		0.01		2	E200.7	05/27/08 21:35/eli-c
DATA QUALITY								
A/C Balance (± 5)	6.81	%				1	A1030 E	08/09/08 00:00/jmh
Anions	33.6	meq/L				1	A1030 E	08/09/08 00:00/jmh
Cations	38.5	meq/L				1	A1030 E	08/09/08 00:00/jmh
Solids, Total Dissolved Calculated	2290	mg/L				1	A1030 E	08/09/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.09					1	A1030 E	08/09/08 00:00/jmh

Report Definitions: RL - Analyte reporting limit.
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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/14/08
Work Order: R08050229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 080519A-ALK-SEL-W	
Sample ID: LCS1_080519A	Laboratory Control Sample				Run: PH_COND1-R_080519A			05/19/08 09:09	
Alkalinity, Total as CaCO3	948	mg/L	5.0	95	90	110			
Sample ID: MBLK1_080519A	Method Blank				Run: PH_COND1-R_080519A			05/19/08 09:13	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Sample ID: R08050229-002AMS	Sample Matrix Spike				Run: PH_COND1-R_080519A			05/19/08 15:04	
Alkalinity, Total as CaCO3	270	mg/L	5.0	106	80	120			
Sample ID: R08050229-002AMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_080519A			05/19/08 15:09	
Alkalinity, Total as CaCO3	268	mg/L	5.0	104	80	120	0.7	10	
Method: A2510 B								Batch: 080523_1_COND-PROBE-W	
Sample ID: LCS_COND-1_080523	Laboratory Control Sample				Run: PH_COND2-R_080523B			05/23/08 15:55	
Conductivity @ 25 C	1410	umhos/cm	5.0	100	90	110			
Sample ID: LCS1-1_080523	Laboratory Control Sample				Run: PH_COND2-R_080523B			05/23/08 15:56	
Conductivity @ 25 C	150	umhos/cm	5.0	100	90	110			
Sample ID: LCS2-1_080523	Laboratory Control Sample				Run: PH_COND2-R_080523B			05/23/08 15:57	
Conductivity @ 25 C	5000	umhos/cm	5.0	100	90	110			
Sample ID: R08050321-001ADUP	Sample Duplicate				Run: PH_COND2-R_080523B			05/23/08 16:24	
Conductivity @ 25 C	1460	umhos/cm	5.0				2.8	10	
Method: A2540 C								Batch: 080520A-SLDS-TDS-W	
Sample ID: LCS1_080520A	Laboratory Control Sample				Run: BAL-4-R_080520A			05/20/08 09:30	
Solids, Total Dissolved TDS @ 180 C	210	mg/L	5.0	103	90	110			
Sample ID: MBLK1_080520A	Method Blank				Run: BAL-4-R_080520A			05/20/08 09:32	
Solids, Total Dissolved TDS @ 180 C	4	mg/L	3						
Sample ID: R08040168-001ADUP	Sample Duplicate				Run: BAL-4-R_080520A			05/20/08 09:33	
Solids, Total Dissolved TDS @ 180 C	440	mg/L	5.0				1.8	20	
Sample ID: R08050229-001AMS	Sample Matrix Spike				Run: BAL-4-R_080520A			05/20/08 10:05	
Solids, Total Dissolved TDS @ 180 C	1100	mg/L	5.0	97	80	120			
Sample ID: R08050229-001AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080520A			05/20/08 10:07	
Solids, Total Dissolved TDS @ 180 C	1100	mg/L	5.0	101	80	120	0.7	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/14/08
Work Order: R08050229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2580 B								Batch: 080519-ORP-ISE-W	
Sample ID: R08050143-001F	Sample Duplicate				Run: PH_COND1-R_080519B			05/19/08 00:00	
Oxidation-Reduction Potential	240	mV					2.2	10	
Method: A3114 B								Batch: C_SE3114-080603A	
Sample ID: MBLK	Method Blank				Run: SUB-C102059			06/03/08 11:03	
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-81-1	Laboratory Control Sample				Run: SUB-C102059			06/03/08 11:05	
Selenium-IV	0.051	mg/L	0.0010	101	90	110			
Sample ID: C08050602-001EMS	Sample Matrix Spike				Run: SUB-C102059			06/03/08 11:14	
Selenium-IV	0.051	mg/L	0.0010	101	85	115			
Sample ID: C08050602-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C102059			06/03/08 11:16	
Selenium-IV	0.051	mg/L	0.0010	103	85	115	1.1	10	
Sample ID: R08050321-005E	Sample Matrix Spike				Run: SUB-C102059			06/03/08 11:43	
Selenium-IV	0.046	mg/L	0.0010	92	85	115			
Sample ID: R08050321-005E	Sample Matrix Spike Duplicate				Run: SUB-C102059			06/03/08 11:45	
Selenium-IV	0.047	mg/L	0.0010	94	85	115	1.7	10	
Method: A3114 B								Batch: C_SE3114-080603B	
Sample ID: MBLK	Method Blank				Run: SUB-C102093			06/03/08 15:00	
Selenium	ND	mg/L	6E-05						
Sample ID: 288-81-1	Laboratory Control Sample				Run: SUB-C102093			06/03/08 15:02	
Selenium	0.051	mg/L	0.0010	101	90	110			
Sample ID: C08050602-001EMS	Sample Matrix Spike				Run: SUB-C102093			06/03/08 15:06	
Selenium	0.049	mg/L	0.0010	98	85	115			
Sample ID: C08050602-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C102093			06/03/08 15:08	
Selenium	0.050	mg/L	0.0010	99	85	115	1.3	10	
Sample ID: R08050321-005E	Sample Matrix Spike				Run: SUB-C102093			06/03/08 15:36	
Selenium	0.045	mg/L	0.0010	91	85	115			
Sample ID: R08050321-005E	Sample Matrix Spike Duplicate				Run: SUB-C102093			06/03/08 15:38	
Selenium	0.045	mg/L	0.0010	90	85	115	0.3	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/14/08
Work Order: R08050229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-H B									Batch: 080523_1_PH-W
Sample ID: LCS_pH-1_080523	Laboratory Control Sample				Run: PH_COND2-R_080523A				05/23/08 14:21
pH	6.92	s.u.	0.010	101	98.55	101.45			
Sample ID: R08050229-001ADUP	Sample Duplicate				Run: PH_COND2-R_080523A				05/23/08 14:33
pH	8.18	s.u.	0.010				0.4	1.25	
Method: A4500-NH3 G									Batch: A2008-05-21_2_NH3_01
Sample ID: MBLK-2	Method Blank				Run: TECHAA2-R_080521A				05/21/08 14:30
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_080521A				05/21/08 14:31
Nitrogen, Ammonia as N	0.27	mg/L	0.10	109	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_080521A				05/21/08 14:32
Nitrogen, Ammonia as N	0.26	mg/L	0.10	104	90	110			
Sample ID: R08050215-008CMS	Sample Matrix Spike				Run: TECHAA2-R_080521A				05/21/08 17:05
Nitrogen, Ammonia as N	0.25	mg/L	0.10	99	80	120			
Sample ID: R08050215-008CMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080521A				05/21/08 17:07
Nitrogen, Ammonia as N	0.23	mg/L	0.10	93	80	120	5.8	10	
Sample ID: R08050215-001CMS	Sample Matrix Spike				Run: TECHAA2-R_080521A				05/21/08 17:21
Nitrogen, Ammonia as N	0.27	mg/L	0.10	106	80	120			
Sample ID: R08050215-001CMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080521A				05/21/08 17:22
Nitrogen, Ammonia as N	0.27	mg/L	0.10	106	80	120	0.4	10	
Method: D5072-92									Batch: C_R101703
Sample ID: C08050968-002IDUP	Sample Duplicate				Run: SUB-C101703				05/23/08 07:37
Radon 222	141	pCi/L	100				12	30	
Sample ID: MB-R101703	Method Blank				Run: SUB-C101703				05/23/08 07:37
Radon 222	20	pCi/L							U
Sample ID: LCS-R101703	Laboratory Control Sample				Run: SUB-C101703				05/23/08 07:37
Radon 222	301	pCi/L	100	92	70	130			

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/14/08
Work Order: R08050229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_18674
Sample ID: MB-18674	Method Blank				Run: SUB-C101828				05/27/08 21:06
Barium	ND	mg/L	0.006						
Boron	ND	mg/L	0.01						
Chromium	ND	mg/L	0.004						
Copper	ND	mg/L	0.005						
Iron	ND	mg/L	0.009						
Manganese	ND	mg/L	0.0003						
Nickel	ND	mg/L	0.005						
Strontium	ND	mg/L	0.0004						
Zinc	0.007	mg/L	0.001						
Sample ID: LCS3-18674	Laboratory Control Sample				Run: SUB-C101828				05/27/08 21:11
Barium	0.53	mg/L	0.10	106	85	115			
Boron	0.51	mg/L	0.10	102	85	115			
Chromium	0.52	mg/L	0.050	104	85	115			
Copper	0.52	mg/L	0.010	104	85	115			
Iron	5.5	mg/L	0.030	111	85	115			
Manganese	2.6	mg/L	0.010	105	85	115			
Nickel	0.52	mg/L	0.050	104	85	115			
Strontium	0.54	mg/L	0.10	108	85	115			
Zinc	0.52	mg/L	0.010	103	85	115			
Sample ID: C08050971-007B MS3	Sample Matrix Spike				Run: SUB-C101828				05/27/08 23:08
Barium	0.58	mg/L	0.10	105	70	130			
Boron	0.60	mg/L	0.10	106	70	130			
Chromium	0.54	mg/L	0.050	107	70	130			
Copper	0.53	mg/L	0.010	106	70	130			
Iron	5.6	mg/L	0.030	111	70	130			
Manganese	2.7	mg/L	0.010	106	70	130			
Nickel	0.54	mg/L	0.050	107	70	130			
Strontium	1.3	mg/L	0.10	101	70	130			
Zinc	0.53	mg/L	0.010	105	70	130			
Sample ID: C08050971-007B MSD3	Sample Matrix Spike Duplicate				Run: SUB-C101828				05/27/08 23:12
Barium	0.58	mg/L	0.10	104	70	130	1.4	20	
Boron	0.59	mg/L	0.10	104	70	130	1.5	20	
Chromium	0.53	mg/L	0.050	106	70	130	1.3	20	
Copper	0.52	mg/L	0.010	104	70	130	1.9	20	
Iron	5.6	mg/L	0.030	111	70	130	0.2	20	
Manganese	2.6	mg/L	0.010	106	70	130	0.6	20	
Nickel	0.53	mg/L	0.050	106	70	130	1.1	20	
Strontium	1.3	mg/L	0.10	102	70	130	0.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/14/08
Work Order: R08050229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_18674
Sample ID: C08050971-007B MSD3	Sample Matrix Spike Duplicate				Run: SUB-C101828				05/27/08 23:12
Zinc	0.52	mg/L	0.010	104	70	130	1.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/14/08
Work Order: R08050229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R102193
Sample ID: MB-080604A	Method Blank				Run: SUB-C102193				06/04/08 15:38
Silica	ND	mg/L	0.02						
Aluminum	ND	mg/L	0.004						
Barium	ND	mg/L	0.006						
Boron	0.03	mg/L	0.008						
Calcium	ND	mg/L	0.1						
Chromium	0.02	mg/L	0.002						
Iron	0.1	mg/L	0.005						
Magnesium	ND	mg/L	0.04						
Manganese	0.002	mg/L	0.0003						
Molybdenum	0.003	mg/L	0.003						
Nickel	ND	mg/L	0.004						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Vanadium	0.02	mg/L	0.003						
Zinc	ND	mg/L	0.002						
Sample ID: LFB-080604A	Laboratory Fortified Blank				Run: SUB-C102193				06/04/08 15:42
Silica	0.38	mg/L	0.10	94	85	125			
Aluminum	0.93	mg/L	0.10	93	85	125			
Barium	1.0	mg/L	0.10	103	85	125			
Boron	1.1	mg/L	0.10	103	85	125			
Calcium	53	mg/L	0.50	106	85	125			
Chromium	1.0	mg/L	0.050	102	85	125			
Iron	1.1	mg/L	0.030	99	85	125			
Magnesium	53	mg/L	0.50	107	85	125			
Manganese	1.0	mg/L	0.010	104	85	125			
Molybdenum	1.0	mg/L	0.10	100	85	125			
Nickel	1.0	mg/L	0.050	103	85	125			
Potassium	49	mg/L	0.50	98	85	125			
Sodium	49	mg/L	0.77	98	85	125			
Vanadium	1.1	mg/L	0.10	109	85	125			
Zinc	1.0	mg/L	0.010	104	85	125			
Sample ID: C08050913-002CMS2	Sample Matrix Spike				Run: SUB-C102193				06/04/08 18:39
Aluminum	2.09	mg/L	0.10	103	70	130			
Barium	2.04	mg/L	0.10	99	70	130			
Boron	2.14	mg/L	0.10	102	70	130			
Chromium	2.10	mg/L	0.050	103	70	130			
Iron	2.16	mg/L	0.030	105	70	130			
Manganese	2.23	mg/L	0.010	99	70	130			
Molybdenum	2.01	mg/L	0.10	98	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/14/08
Work Order: R08050229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R102193
Sample ID: C08050913-002CMS2	Sample Matrix Spike				Run: SUB-C102193				06/04/08 18:39
Nickel	2.08	mg/L	0.050	102	70	130			
Vanadium	2.08	mg/L	0.10	102	70	130			
Zinc	2.10	mg/L	0.010	103	70	130			
Calcium	177	mg/L	1.0	103	70	130			
Magnesium	135	mg/L	1.0	103	70	130			
Potassium	102	mg/L	1.0	89	70	130			
Silica	4.17	mg/L	0.10		70	130			A
Sodium	286	mg/L	1.5	97	70	130			
Sample ID: C08050913-002CMSD2	Sample Matrix Spike Duplicate				Run: SUB-C102193				06/04/08 18:43
Aluminum	2.03	mg/L	0.10	99	70	130	3.1	20	
Barium	2.11	mg/L	0.10	103	70	130	3.6	20	
Boron	2.16	mg/L	0.10	104	70	130	1.3	20	
Chromium	2.13	mg/L	0.050	104	70	130	1.6	20	
Iron	2.21	mg/L	0.030	107	70	130	2.2	20	
Manganese	2.28	mg/L	0.010	102	70	130	2.4	20	
Molybdenum	2.08	mg/L	0.10	102	70	130	3.6	20	
Nickel	2.09	mg/L	0.050	103	70	130	0.4	20	
Vanadium	2.14	mg/L	0.10	105	70	130	2.8	20	
Zinc	2.13	mg/L	0.010	104	70	130	1.3	20	
Calcium	180	mg/L	1.0	105	70	130	1.1	20	
Magnesium	136	mg/L	1.0	105	70	130	1.2	20	
Potassium	102	mg/L	1.0	89	70	130	0.4	20	
Silica	4.21	mg/L	0.10		70	130	1.1	20	A
Sodium	282	mg/L	1.5	92	70	130	1.5	20	
Method: E200.8									Batch: C_18688
Sample ID: C08050953-001FMS	Sample Matrix Spike				Run: SUB-C102315				06/07/08 18:31
Uranium	0.0132	mg/L	0.00030	97	70	130			
Sample ID: C08050953-001FMSD	Sample Matrix Spike Duplicate				Run: SUB-C102315				06/07/08 18:36
Uranium	0.0133	mg/L	0.00030	98	70	130	0.8	20	
Sample ID: R08050321-005I	Post Digestion Spike				Run: SUB-C102315				06/07/08 22:50
Uranium	0.0128	mg/L	0.00030	97	70	130			
Sample ID: R08050321-005I	Post Digestion Spike Duplicate				Run: SUB-C102315				06/07/08 22:55
Uranium	0.0129	mg/L	0.00030	98	70	130	0.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/14/08
Work Order: R08050229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18768
Sample ID: MB-18768	Method Blank				Run: SUB-C102298				06/06/08 16:00
Antimony	ND	mg/L	0.0002						
Arsenic	0.0007	mg/L	5E-05						
Cadmium	ND	mg/L	4E-05						
Lead	ND	mg/L	5E-05						
Molybdenum	ND	mg/L	7E-05						
Selenium	0.0003	mg/L	0.0002						
Silver	0.0001	mg/L	5E-05						
Thallium	0.0001	mg/L	3E-05						
Uranium	ND	mg/L	3E-05						
Sample ID: LCS3-18768	Laboratory Control Sample				Run: SUB-C102298				06/06/08 16:07
Antimony	0.580	mg/L	0.050	116	85	115			
Arsenic	0.562	mg/L	0.0010	112	85	115			
Cadmium	0.275	mg/L	0.010	110	85	115			
Lead	0.568	mg/L	0.050	114	85	115			
Molybdenum	0.544	mg/L	0.10	109	85	115			
Selenium	0.569	mg/L	0.0020	114	85	115			
Silver	0.0480	mg/L	0.010	96	85	115			
Thallium	0.564	mg/L	0.10	113	85	115			
Sample ID: C08051073-001MMS3	Sample Matrix Spike				Run: SUB-C102298				06/06/08 18:56
Antimony	0.540	mg/L	0.050	108	70	130			
Arsenic	0.536	mg/L	0.0010	107	70	130			
Cadmium	0.263	mg/L	0.010	105	70	130			
Lead	0.529	mg/L	0.050	105	70	130			
Molybdenum	0.531	mg/L	0.10	103	70	130			
Selenium	0.527	mg/L	0.0020	104	70	130			
Silver	0.0433	mg/L	0.010	87	70	130			
Thallium	0.519	mg/L	0.10	104	70	130			
Uranium	0.557	mg/L	0.00032	110	70	130			
Sample ID: C08051073-001MMSD3	Sample Matrix Spike Duplicate				Run: SUB-C102298				06/06/08 19:23
Antimony	0.539	mg/L	0.050	108	70	130	0.2	20	
Arsenic	0.535	mg/L	0.0010	106	70	130	0.2	20	
Cadmium	0.264	mg/L	0.010	106	70	130	0.4	20	
Lead	0.529	mg/L	0.050	105	70	130	0.1	20	
Molybdenum	0.529	mg/L	0.10	103	70	130	0.4	20	
Selenium	0.534	mg/L	0.0020	105	70	130	1.3	20	
Silver	0.0451	mg/L	0.010	90	70	130	4.0	20	
Thallium	0.522	mg/L	0.10	104	70	130	0.5	20	
Uranium	0.572	mg/L	0.00032	113	70	130	2.6	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/14/08
Work Order: R08050229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18768
Sample ID: LCS3-18768	Laboratory Control Sample				Run: SUB-C102315				06/07/08 12:11
Arsenic	0.519	mg/L	0.0010	104	85	115			
Lead	0.509	mg/L	0.050	102	85	115			
Molybdenum	0.504	mg/L	0.10	101	85	115			
Selenium	0.519	mg/L	0.0020	104	85	115			
Uranium	0.519	mg/L	0.00032	104	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/14/08
Work Order: R08050229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R102203
Sample ID: LRB	Method Blank				Run: SUB-C102203				06/04/08 12:01
Arsenic	ND	mg/L	6E-05						
Cadmium	ND	mg/L	1E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Mercury	ND	mg/L	8E-05						
Silver	ND	mg/L	3E-05						
Thorium 232	ND	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C102203				06/04/08 12:07
Arsenic	0.0502	mg/L	0.0010	100	85	115			
Cadmium	0.0502	mg/L	0.0010	100	85	115			
Copper	0.0509	mg/L	0.0010	102	85	115			
Lead	0.0503	mg/L	0.0010	101	85	115			
Mercury	0.00499	mg/L	0.0010	100	85	115			
Silver	0.0200	mg/L	0.0010	100	85	115			
Thorium 232	0.0495	mg/L	0.0010	99	85	115			
Uranium	0.0501	mg/L	0.00030	100	85	115			
Sample ID: C08050903-007GMS4	Post Digestion Spike				Run: SUB-C102203				06/04/08 15:26
Arsenic	0.0518	mg/L	0.0010	101	70	130			
Cadmium	0.0475	mg/L	0.010	95	70	130			
Copper	0.0482	mg/L	0.010	95	70	130			
Lead	0.0498	mg/L	0.050	100	70	130			
Mercury	0.00459	mg/L	0.0010	92	70	130			
Silver	0.00192	mg/L	0.010	10	70	130			S
Thorium 232	0.0526	mg/L	0.0010	105	70	130			
Uranium	0.170	mg/L	0.00030	107	70	130			
Sample ID: C08050903-007GMSD4	Post Digestion Spike Duplicate				Run: SUB-C102203				06/04/08 15:32
Arsenic	0.0525	mg/L	0.0010	102	70	130	1.3	20	
Cadmium	0.0480	mg/L	0.010	96	70	130	1.0	20	
Copper	0.0485	mg/L	0.010	95	70	130	0.7	20	
Lead	0.0507	mg/L	0.050	101	70	130	1.7	20	
Mercury	0.00480	mg/L	0.0010	96	70	130	4.6	20	
Silver	0.000603	mg/L	0.010	3	70	130	0.0	20	S
Thorium 232	0.0539	mg/L	0.0010	107	70	130	2.5	20	
Uranium	0.172	mg/L	0.00030	110	70	130	1.1	20	
Sample ID: C08050968-002BMS4	Post Digestion Spike				Run: SUB-C102203				06/04/08 17:02
Arsenic	0.0517	mg/L	0.0010	100	70	130			

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/14/08
Work Order: R08050229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R102203
Sample ID: C08050968-002BMS4	Post Digestion Spike				Run: SUB-C102203				06/04/08 17:02
Cadmium	0.0475	mg/L	0.010	95	70	130			
Copper	0.0492	mg/L	0.010	95	70	130			
Lead	0.0519	mg/L	0.050	103	70	130			
Mercury	0.00525	mg/L	0.0010	105	70	130			
Silver	0.0172	mg/L	0.010	86	70	130			
Thorium 232	0.0533	mg/L	0.0010	107	70	130			
Uranium	0.0536	mg/L	0.00030	107	70	130			
Sample ID: C08050968-002BMSD4	Post Digestion Spike Duplicate				Run: SUB-C102203				06/04/08 17:09
Arsenic	0.0512	mg/L	0.0010	99	70	130	1.0	20	
Cadmium	0.0468	mg/L	0.010	94	70	130	1.5	20	
Copper	0.0480	mg/L	0.010	92	70	130	2.6	20	
Lead	0.0507	mg/L	0.050	101	70	130	2.2	20	
Mercury	0.00513	mg/L	0.0010	103	70	130	2.3	20	
Silver	0.0154	mg/L	0.010	77	70	130	11	20	
Thorium 232	0.0527	mg/L	0.0010	105	70	130	1.1	20	
Uranium	0.0525	mg/L	0.00030	104	70	130	2.2	20	
Method: E245.1									Batch: C_B_32786
Sample ID: MB-32786	Method Blank				Run: SUB-C102258				06/04/08 17:57
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-32786	Laboratory Fortified Blank				Run: SUB-C102258				06/04/08 18:05
Mercury	0.0019	mg/L	0.0010	91	85	115			
Sample ID: B08052561-001DMS	Sample Matrix Spike				Run: SUB-C102258				06/04/08 18:14
Mercury	0.0019	mg/L	0.0010	94	70	130			
Sample ID: B08052561-001DMSD	Sample Matrix Spike Duplicate				Run: SUB-C102258				06/04/08 18:16
Mercury	0.0021	mg/L	0.0010	100	70	130	7.0	30	
Sample ID: B08052499-002CMS	Sample Matrix Spike				Run: SUB-C102258				06/04/08 19:08
Mercury	0.0017	mg/L	0.0010	87	70	130			
Sample ID: B08052499-002CMSD	Sample Matrix Spike Duplicate				Run: SUB-C102258				06/04/08 19:11
Mercury	0.0016	mg/L	0.0010	79	70	130	9.1	30	
Method: E245.1									Analytical Run: SUB-C102258
Sample ID: QCS	Initial Calibration Verification Standard								06/04/08 17:50
Mercury	0.0021	mg/L	0.0010	103	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/14/08
Work Order: R08050229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R34857
Sample ID: LFB0805201727-3	Laboratory Fortified Blank				Run: DIONEX_080520A				05/20/08 13:29
Chloride	4.71	mg/L	0.50	94	90	110			
Fluoride	1.82	mg/L	0.10	91	90	110			
Nitrogen, Nitrate as N	2.33	mg/L	0.10	93	90	110			
Nitrogen, Nitrite as N	2.40	mg/L	0.10	96	90	110			
Sulfate	13.9	mg/L	1.0	92	90	110			
Sample ID: LFB0805201727-4	Laboratory Fortified Blank				Run: DIONEX_080520A				05/20/08 13:46
Chloride	4.66	mg/L	0.50	93	90	110			
Fluoride	1.80	mg/L	0.10	90	90	110			
Nitrogen, Nitrate as N	2.31	mg/L	0.10	92	90	110			
Nitrogen, Nitrite as N	2.38	mg/L	0.10	95	90	110			
Sulfate	13.8	mg/L	1.0	92	90	110			
Sample ID: R08050229-001AMS	Sample Matrix Spike				Run: DIONEX_080520A				05/20/08 14:19
Chloride	257	mg/L	5.4	90	80	120			
Fluoride	94.2	mg/L	0.56	87	80	120			
Nitrogen, Nitrate as N	119	mg/L	1.3	95	80	120			
Nitrogen, Nitrite as N	124	mg/L	2.9	99	80	120			
Sulfate	1110	mg/L	3.4	86	80	120			
Sample ID: R08050229-001AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080520A				05/20/08 14:35
Chloride	249	mg/L	5.4	87	80	120	3.1	10	
Fluoride	91.2	mg/L	0.56	84	80	120	3.3	10	
Nitrogen, Nitrate as N	116	mg/L	1.3	93	80	120	2.8	10	
Nitrogen, Nitrite as N	120	mg/L	2.9	96	80	120	3.3	10	
Sulfate	1090	mg/L	3.4	83	80	120	2.0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/14/08
Work Order: R08050229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0									Batch: C_GrAB-0457
Sample ID: MB-GrAB-0457	Method Blank				Run: SUB-C102579				06/11/08 08:06
Gross Alpha	0.05	pCi/L							U
Gross Beta	-1	pCi/L							U
Sample ID: Th230-GrAB-0457	Laboratory Control Sample				Run: SUB-C102579				06/11/08 08:06
Gross Alpha	140	pCi/L		100	70	130			
Sample ID: Cs137-GrAB-0457	Laboratory Control Sample				Run: SUB-C102579				06/11/08 08:06
Gross Beta	87	pCi/L		94	70	130			
Sample ID: C08050953-001EMS	Sample Matrix Spike				Run: SUB-C102579				06/11/08 08:06
Gross Alpha	160	pCi/L		77	70	130			
Sample ID: C08050953-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C102579				06/11/08 08:06
Gross Alpha	150	pCi/L		75	70	130	1.7	17.5	
Sample ID: C08050953-001EMS	Sample Matrix Spike				Run: SUB-C102579				06/11/08 08:06
Gross Beta	100	pCi/L		93	70	130			
Sample ID: C08050953-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C102579				06/11/08 08:06
Gross Beta	99	pCi/L		91	70	130	2.5	15.6	
Method: E901.1									Batch: C_R101877
Sample ID: LCS-R101877	Laboratory Control Sample				Run: SUB-C101877				05/28/08 05:30
Cesium 137	1140	pCi/L	20	82	70	130			
Sample ID: MB-R101877	Method Blank				Run: SUB-C101877				05/28/08 05:30
Gross Gamma	ND	pCi/L							U
Sample ID: R08050229-001H	Sample Duplicate				Run: SUB-C101877				05/28/08 05:30
Gross Gamma	6600	pCi/L	20				0.1	30	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/14/08
Work Order: R08050229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: C_18688
Sample ID: C08050913-001IMS	Sample Matrix Spike				Run: SUB-C102137				06/03/08 08:59
Radium 226	77	pCi/L		98	70	130			
Sample ID: C08050913-001IMSD	Sample Matrix Spike Duplicate				Run: SUB-C102137				06/03/08 08:59
Radium 226	72	pCi/L		91	70	130	7.4	25.5	
Sample ID: MB-18688	Method Blank				Run: SUB-C102137				06/03/08 10:37
Radium 226	-0.4	pCi/L							U
Sample ID: LCS-18688	Laboratory Control Sample				Run: SUB-C102137				06/03/08 10:37
Radium 226	15	pCi/L		99	70	130			
Method: E903.0									Batch: C_RA226-2834
Sample ID: C08050917-001AMS	Sample Matrix Spike				Run: SUB-C102415				06/08/08 16:51
Radium 226	430	pCi/L		-30	70	130			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: C08050917-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C102415				06/08/08 16:58
Radium 226	430	pCi/L		53	70	130	1.5	17.2	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: MB-RA226-2834	Method Blank				Run: SUB-C102415				06/09/08 13:54
Radium 226	0.06	pCi/L							U
Sample ID: LCS-RA226-2834	Laboratory Control Sample				Run: SUB-C102415				06/09/08 15:24
Radium 226	7.4	pCi/L		93	70	130			
Method: E907.0									Batch: C_18688
Sample ID: R08050321-001I	Sample Matrix Spike				Run: SUB-C102353				05/29/08 15:00
Thorium 230	20.6	pCi/L	0.20	88	70	130			
Sample ID: R08050321-001I	Sample Matrix Spike Duplicate				Run: SUB-C102353				05/29/08 15:00
Thorium 230	22.8	pCi/L	0.20	102	70	130	10	30	
Sample ID: LCS-18688	Laboratory Control Sample				Run: SUB-C102353				05/29/08 15:00
Thorium 230	51.0	pCi/L	0.20	107	70	130			
Sample ID: MB-18688	Method Blank				Run: SUB-C102353				05/29/08 15:00
Thorium 230	-0.2	pCi/L							U

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/14/08
Work Order: R08050229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: C_R102565
Sample ID: LCS-R102565	Laboratory Control Sample				Run: SUB-C102565				06/05/08 15:00
Thorium 230	6.70	pCi/L	0.20	96	70	130			
Sample ID: R08050229-002H	Sample Matrix Spike				Run: SUB-C102565				06/05/08 15:00
Thorium 230	16.6	pCi/L	0.20	103	70	130			
Sample ID: R08050229-002H	Sample Matrix Spike Duplicate				Run: SUB-C102565				06/05/08 15:00
Thorium 230	14.3	pCi/L	0.20	89	70	130	15	30	
Sample ID: MB-R102565	Method Blank				Run: SUB-C102565				06/05/08 15:00
Thorium 230	ND	pCi/L							U
Method: E909.0M									Batch: C_R104902
Sample ID: C08050913-003IMS	Sample Matrix Spike				Run: SUB-C104902				07/03/08 09:50
Lead 210	1200	pCi/L		105	70	130			
Sample ID: C08050913-003IMSD	Sample Matrix Spike Duplicate				Run: SUB-C104902				07/03/08 09:50
Lead 210	1000	pCi/L		89	70	130	17	30	
Sample ID: MB-R104902	Method Blank				Run: SUB-C104902				07/03/08 09:50
Lead 210	1	pCi/L							U
Sample ID: LCS-R104902	Laboratory Control Sample				Run: SUB-C104902				07/03/08 09:50
Lead 210	61	pCi/L		101	70	130			
Method: E909.0M									Batch: C_R105446
Sample ID: C08050919-002HMS	Sample Matrix Spike				Run: SUB-C105446				06/25/08 11:25
Lead 210	550	pCi/L		92	70	130			
Sample ID: C08050919-002HMSD	Sample Matrix Spike Duplicate				Run: SUB-C105446				06/25/08 11:25
Lead 210	420	pCi/L		71	70	130	26	30	
Sample ID: R08050321-002H	Sample Duplicate				Run: SUB-C105446				06/25/08 11:25
Lead 210	80	pCi/L					25	30	
Sample ID: MB-R105446	Method Blank				Run: SUB-C105446				06/25/08 11:25
Lead 210	ND	pCi/L							U
Sample ID: LCS-R105446	Laboratory Control Sample				Run: SUB-C105446				06/25/08 11:25
Lead 210	140	pCi/L		115	70	130			

Qualifiers:

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U - Not detected at minimum detectable concentration

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/14/08
Work Order: R08050229

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RMO-3008									Batch: C_R102444
Sample ID: C08050737-001HMS	Sample Matrix Spike				Run: SUB-C102444				06/03/08 17:45
Polonium 210	51	pCi/L	1.0	112	70	130			
Sample ID: C08050737-001HMSD	Sample Matrix Spike Duplicate				Run: SUB-C102444				06/03/08 17:45
Polonium 210	48	pCi/L	1.0	107	70	130	5.0	30	
Sample ID: LCS-R102444	Laboratory Control Sample				Run: SUB-C102444				06/03/08 17:45
Polonium 210	58	pCi/L	1.0	133	70	130			S
- LCS response is outside of the acceptance range for this analysis. Since the MB, MS, MSD, and the RPD for the MS MSD pair are acceptable the batch is approved.									
Sample ID: MB-R102444	Method Blank				Run: SUB-C102444				06/03/08 17:45
Polonium 210	-0.1	pCi/L							U
Method: RMO-3008									Batch: C_R103071
Sample ID: R08050321-005I	Sample Matrix Spike				Run: SUB-C103071				06/19/08 12:00
Polonium 210	42	pCi/L	1.0	99	70	130			
Sample ID: R08050321-005I	Sample Matrix Spike Duplicate				Run: SUB-C103071				06/19/08 12:00
Polonium 210	52	pCi/L	1.0	124	70	130	21	30	
Sample ID: LCS-R103071	Laboratory Control Sample				Run: SUB-C103071				06/19/08 12:00
Polonium 210	110	pCi/L	1.0	121	70	130			
Sample ID: MB-R103071	Method Blank				Run: SUB-C103071				06/19/08 12:00
Polonium 210	0.5	pCi/L							U

Qualifiers:

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

Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT- Provide as much information as possible.

Company Name: RESPEC	Project Name, PWS, Permit, Etc.: PowerTech Dewey Burdock	Sample Origin State: SD	EPA/State Compliance: Yes ☐ No ☐
Report Mail Address: RESPEC	Contact Name: Phone/Fax: cory.foreman@respec.com	Email:	Sampler: (Please Print) Eric Krantz
Invoice Address:	Invoice Contact & Phone:	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

ANALYSIS REQUESTED

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

As Per Quote

SEE ATTACHED

Normal Turnaround (TAT)

RUSH

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

Comments:

Shipped by:

Cooler ID(s):

Receipt Temp 12.8 °C

On Ice: (Yes) No

Custody Seal Y N
Intact Y N
Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX																			
1	DewBurd GW681	5/18/08	11:18	W														Set 3 Dewey Pump Doran Alluvial					
2	DewBurdGW679	5/18/08	18:00	W														Set 10					
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							

LABORATORY USE ONLY

L08050229-001
002

Custody Record MUST be Signed

	Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
	Eric Krantz	5/19/08 0600		Matthew Minnick	5/19/08 0600	
	Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
	Matthew Minnick	5/19/08 [illegible]		Steve Troiland	5-19-08 1020	
				Received by Laboratory:	Date/Time:	Signature:

Sample Disposal: Return to Client: _____ Lab Disposal: _____

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.

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ANALYTICAL SUMMARY REPORT

July 30, 2008

Cory Foreman
RESPEC Inc
3824 Jet Dr
Rapid City, SD 57701-

Workorder No.: R08050251 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 3 samples from RESPEC Inc on 5/20/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08050251-001	DewBurd GW631	05/19/08 11:06	05/20/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Mercury, Total Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved
R08050251-002	DewBurd GW13	05/19/08 12:20	05/20/08	Aqueous	Same As Above
R08050251-003	DewBurd GW4002	05/19/08 13:00	05/20/08	Aqueous	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: _____

Linda Larson
Rapid City - Project Manager

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Toll Free 888.672.1225 • Voice 605.342.1225 • Fax 605.342.1397 • rapid_city@energylab.com

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050251-001
Client Sample ID: DewBurd GW631

Report Date: 07/30/08
Collection Date: 05/19/08 11:06
Date Received: 05/20/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	164	mg/L		5		1	A2320 B	05/22/08 09:44/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	05/22/08 09:44/mb
Bicarbonate as HCO3	200	mg/L		5		1	A2320 B	05/22/08 09:44/mb
Calcium	375	mg/L		0.5		2	E200.7	06/04/08 18:19/eli-c
Chloride	10	mg/L		1		1	E300.0	05/20/08 16:30/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	05/20/08 16:30/jmh
Magnesium	110	mg/L		0.5		2	E200.7	06/04/08 18:19/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	05/21/08 17:42/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	05/20/08 16:30/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/20/08 16:30/jmh
Potassium	16.3	mg/L		0.5		2	E200.7	06/04/08 18:19/eli-c
Silica	3.5	mg/L		0.5		2	E200.7	06/04/08 18:19/eli-c
Sodium	107	mg/L	D	2		2	E200.7	06/04/08 18:19/eli-c
Sulfate	1250	mg/L	D	3		50	E300.0	05/20/08 16:14/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2530	umhos/cm		5.0		1	A2510 B	05/23/08 16:05/tb
Oxidation-Reduction Potential	230	mV				1	A2580 B	05/23/08 00:00/kh
pH	7.54	s.u.		0.01		1	A4500-H B	05/23/08 14:45/kh
Sodium Adsorption Ratio (SAR)	1.2	unitless		0.10		1	Calculation	07/29/08 15:22/ADM
Solids, Total Dissolved TDS @ 180 C	2000	mg/L		5		1	A2540 C	05/20/08 12:36/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/04/08 18:19/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	06/04/08 15:39/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/04/08 18:19/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	06/04/08 18:19/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/04/08 15:39/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/04/08 18:19/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/04/08 15:39/eli-c
Iron	0.39	mg/L		0.03		2	E200.7	06/04/08 18:19/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/04/08 15:39/eli-c
Manganese	0.33	mg/L		0.01		2	E200.7	06/04/08 18:19/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/04/08 15:39/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/04/08 18:19/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/04/08 18:19/eli-c
Selenium	ND	mg/L		0.005		1	A3114 B	06/03/08 15:10/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/04/08 15:39/eli-c

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.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050251-001
Client Sample ID: DewBurd GW631

Report Date: 07/30/08
Collection Date: 05/19/08 11:06
Date Received: 05/20/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	06/04/08 15:39/eli-c
Uranium	0.0026	mg/L		0.0003		1	E200.8	06/04/08 15:39/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/04/08 18:19/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/04/08 18:19/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	06/07/08 21:41/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/03/08 11:18/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/03/08 16:19/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	60.7	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Alpha precision (±)	7.9	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Alpha MDC	6.5	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Beta	26.2	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Beta precision (±)	4.4	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Beta MDC	6.6	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Lead 210	0.5	pCi/L	U			1	E909.0M	06/27/08 08:45/eli-c
Lead 210 MDC	16.0	pCi/L				1	E909.0M	06/27/08 08:45/eli-c
Lead 210 precision (±)	9.6	pCi/L				1	E909.0M	06/27/08 08:45/eli-c
Polonium 210	0.2	pCi/L	U	1.0		1	RMO-3008	06/03/08 17:45/eli-c
Polonium 210 precision (±)	0.50	pCi/L				1	RMO-3008	06/03/08 17:45/eli-c
Radium 226	22.1	pCi/L				1	E903.0	06/08/08 09:46/eli-c
Radium 226 precision (±)	1.0	pCi/L				1	E903.0	06/08/08 09:46/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	06/04/08 10:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/04/08 10:00/eli-c
Gross Gamma	130	pCi/L		20		1	E901.1	05/28/08 05:30/eli-c
Gross Gamma precision (±)	27	pCi/L				1	E901.1	05/28/08 05:30/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-1.4	pCi/L	U			1	E909.0M	07/03/08 09:50/eli-c
Lead 210 precision (±)	5.2	pCi/L				1	E909.0M	07/03/08 09:50/eli-c
Lead 210 MDC	8.8	pCi/L				1	E909.0M	07/03/08 09:50/eli-c
Polonium 210	0.1	pCi/L	U	1.0		1	RMO-3008	06/19/08 12:00/eli-c
Polonium 210 precision (±)	0.40	pCi/L				1	RMO-3008	06/19/08 12:00/eli-c
Radium 226	-0.3	pCi/L	U			1	E903.0	06/03/08 08:59/eli-c

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: RESPEC Inc
Project: Edgemont
Lab ID: R08050251-001
Client Sample ID: DewBurd GW631

Report Date: 07/30/08
Collection Date: 05/19/08 11:06
Date Received: 05/20/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	06/03/08 08:59/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	06/03/08 08:59/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	05/29/08 15:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	05/29/08 15:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	4430	pCi/L		100		1	D5072-92	05/23/08 07:37/eli-c
Radon 222 precision (±)	112	pCi/L				1	D5072-92	05/23/08 07:37/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/06/08 17:08/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	06/06/08 17:08/eli-c
Barium	ND	mg/L		0.1		2	E200.7	05/27/08 21:15/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	06/09/08 14:38/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	05/27/08 21:15/eli-c
Cadmium	ND	mg/L		0.001		1	E200.8	06/06/08 17:08/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/27/08 21:15/eli-c
Copper	ND	mg/L		0.01		2	E200.7	05/27/08 21:15/eli-c
Iron	0.98	mg/L		0.03		2	E200.7	05/27/08 21:15/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/06/08 17:08/eli-c
Manganese	0.32	mg/L		0.01		2	E200.7	05/27/08 21:15/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/04/08 19:47/eli-b
Molybdenum	ND	mg/L		0.01		1	E200.8	06/06/08 17:08/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	05/27/08 21:15/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/06/08 17:08/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/06/08 17:08/eli-c
Strontium	6.8	mg/L		0.1		2	E200.7	05/27/08 21:15/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/06/08 17:08/eli-c
Uranium	0.0028	mg/L		0.0003		1	E200.8	06/06/08 17:08/eli-c
Zinc	0.01	mg/L		0.01		2	E200.7	05/27/08 21:15/eli-c
DATA QUALITY								
A/C Balance (± 5)	5.08	%				1	A1030 E	07/29/08 00:00/jmh
Anions	29.7	meq/L				1	A1030 E	07/29/08 00:00/jmh
Cations	32.8	meq/L				1	A1030 E	07/29/08 00:00/jmh
Solids, Total Dissolved Calculated	1980	mg/L				1	A1030 E	07/29/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.02					1	A1030 E	07/29/08 00:00/jmh

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: RESPEC Inc
Project: Edgemont
Lab ID: R08050251-002
Client Sample ID: DewBurd GW13

Report Date: 07/30/08
Collection Date: 05/19/08 12:20
Date Received: 05/20/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	156	mg/L		5		1	A2320 B	05/22/08 09:59/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	05/22/08 09:59/mb
Bicarbonate as HCO3	190	mg/L		5		1	A2320 B	05/22/08 09:59/mb
Calcium	72.4	mg/L		0.5		2	E200.7	06/04/08 18:35/eli-c
Chloride	10	mg/L		1		1	E300.0	05/20/08 18:09/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	05/20/08 18:09/jmh
Magnesium	29.5	mg/L		0.5		2	E200.7	06/04/08 18:35/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	05/21/08 17:43/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	05/20/08 18:09/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/20/08 18:09/jmh
Potassium	11.5	mg/L		0.5		2	E200.7	06/04/08 18:35/eli-c
Silica	3.6	mg/L		0.5		2	E200.7	06/04/08 18:35/eli-c
Sodium	188	mg/L	D	2		2	E200.7	06/04/08 18:35/eli-c
Sulfate	442	mg/L	D	3		50	E300.0	05/20/08 17:19/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1420	umhos/cm		5.0		1	A2510 B	05/23/08 16:08/tb
Oxidation-Reduction Potential	260	mV				1	A2580 B	05/23/08 00:00/kh
pH	7.96	s.u.		0.01		1	A4500-H B	05/23/08 14:46/kh
Sodium Adsorption Ratio (SAR)	4.7	unitless		0.10		1	Calculation	07/29/08 15:22/ADM
Solids, Total Dissolved TDS @ 180 C	880	mg/L		5		1	A2540 C	05/20/08 12:36/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/04/08 18:35/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	06/04/08 15:46/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/04/08 18:35/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/04/08 18:35/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/04/08 15:46/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/04/08 18:35/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/04/08 15:46/eli-c
Iron	ND	mg/L		0.03		2	E200.7	06/04/08 18:35/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/04/08 15:46/eli-c
Manganese	0.20	mg/L		0.01		2	E200.7	06/04/08 18:35/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/04/08 15:46/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/04/08 18:35/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/04/08 18:35/eli-c
Selenium	ND	mg/L		0.005		1	A3114 B	06/03/08 15:12/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/04/08 15:46/eli-c

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.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050251-002
Client Sample ID: DewBurd GW13

Report Date: 07/30/08
Collection Date: 05/19/08 12:20
Date Received: 05/20/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	06/04/08 15:46/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	06/04/08 15:46/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/04/08 18:35/eli-c
Zinc	0.01	mg/L		0.01		2	E200.7	06/04/08 18:35/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	06/07/08 21:46/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/03/08 11:20/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/03/08 16:19/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	4.2	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Alpha precision (±)	2.2	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Alpha MDC	3.0	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Beta	10.3	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Beta precision (±)	2.1	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Beta MDC	3.3	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Lead 210	4.1	pCi/L	U			1	E909.0M	06/27/08 08:45/eli-c
Lead 210 MDC	16.0	pCi/L				1	E909.0M	06/27/08 08:45/eli-c
Lead 210 precision (±)	9.6	pCi/L				1	E909.0M	06/27/08 08:45/eli-c
Polonium 210	-0.6	pCi/L	U	1.0		1	RMO-3008	06/03/08 17:45/eli-c
Polonium 210 precision (±)	0.10	pCi/L				1	RMO-3008	06/03/08 17:45/eli-c
Radium 226	1.6	pCi/L				1	E903.0	06/08/08 15:48/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	06/08/08 15:48/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	06/04/08 10:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/04/08 10:00/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/28/08 05:30/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	05/28/08 05:30/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-0.2	pCi/L	U			1	E909.0M	07/03/08 09:50/eli-c
Lead 210 precision (±)	5.2	pCi/L				1	E909.0M	07/03/08 09:50/eli-c
Lead 210 MDC	8.8	pCi/L				1	E909.0M	07/03/08 09:50/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	06/19/08 12:00/eli-c
Polonium 210 precision (±)	0.26	pCi/L				1	RMO-3008	06/19/08 12:00/eli-c
Radium 226	0.01	pCi/L	U			1	E903.0	06/03/08 08:59/eli-c

Report Definitions:
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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: RESPEC Inc
Project: Edgemont
Lab ID: R08050251-002
Client Sample ID: DewBurd GW13

Report Date: 07/30/08
Collection Date: 05/19/08 12:20
Date Received: 05/20/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	06/03/08 08:59/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	06/03/08 08:59/eli-c
Thorium 230	0.2	pCi/L	U	0.2		1	E907.0	05/29/08 15:00/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	05/29/08 15:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	412	pCi/L		100		1	D5072-92	05/23/08 07:37/eli-c
Radon 222 precision (±)	70.5	pCi/L				1	D5072-92	05/23/08 07:37/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/06/08 17:15/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	06/06/08 17:15/eli-c
Barium	ND	mg/L		0.1		2	E200.7	05/27/08 21:23/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	06/09/08 14:45/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/27/08 21:23/eli-c
Cadmium	ND	mg/L		0.001		1	E200.8	06/06/08 17:15/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/27/08 21:23/eli-c
Copper	ND	mg/L		0.01		2	E200.7	05/27/08 21:23/eli-c
Iron	4.56	mg/L		0.03		2	E200.7	05/27/08 21:23/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/06/08 17:15/eli-c
Manganese	0.20	mg/L		0.01		2	E200.7	05/27/08 21:23/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/04/08 19:50/eli-b
Molybdenum	ND	mg/L		0.01		1	E200.8	06/06/08 17:15/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	05/27/08 21:23/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/06/08 17:15/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/06/08 17:15/eli-c
Strontium	1.7	mg/L		0.1		2	E200.7	05/27/08 21:23/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/06/08 17:15/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	06/06/08 17:15/eli-c
Zinc	0.04	mg/L		0.01		2	E200.7	05/27/08 21:23/eli-c
DATA QUALITY								
A/C Balance (± 5)	6.97	%				1	A1030 E	07/29/08 00:00/jmh
Anions	12.6	meq/L				1	A1030 E	07/29/08 00:00/jmh
Cations	14.5	meq/L				1	A1030 E	07/29/08 00:00/jmh
Solids, Total Dissolved Calculated	857	mg/L				1	A1030 E	07/29/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.02					1	A1030 E	07/29/08 00:00/jmh

Report Definitions:
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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: RESPEC Inc
Project: Edgemont
Lab ID: R08050251-003
Client Sample ID: DewBurd GW4002

Report Date: 07/30/08
Collection Date: 05/19/08 13:00
Date Received: 05/20/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	144	mg/L		5		1	A2320 B	05/22/08 10:02/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	05/22/08 10:02/mb
Bicarbonate as HCO3	176	mg/L		5		1	A2320 B	05/22/08 10:02/mb
Calcium	46.6	mg/L		0.5		2	E200.7	06/04/08 18:48/eli-c
Chloride	6	mg/L		1		1	E300.0	05/20/08 18:41/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	05/20/08 18:41/jmh
Magnesium	15.8	mg/L		0.5		2	E200.7	06/04/08 18:48/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	05/21/08 17:44/jmh
Nitrogen, Nitrate as N	0.1	mg/L		0.1		1	E300.0	05/20/08 18:41/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/20/08 18:41/jmh
Potassium	7.1	mg/L		0.5		2	E200.7	06/04/08 18:48/eli-c
Silica	3.8	mg/L		0.5		2	E200.7	06/04/08 18:48/eli-c
Sodium	211	mg/L	D	2		2	E200.7	06/04/08 18:48/eli-c
Sulfate	450	mg/L	D	3		50	E300.0	05/20/08 18:25/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1340	umhos/cm		5.0		1	A2510 B	05/23/08 16:10/tb
Oxidation-Reduction Potential	250	mV				1	A2580 B	05/23/08 00:00/kh
pH	8.02	s.u.		0.01		1	A4500-H B	05/23/08 14:48/kh
Sodium Adsorption Ratio (SAR)	6.8	unitless		0.10		1	Calculation	07/29/08 15:22/ADM
Solids, Total Dissolved TDS @ 180 C	790	mg/L		5		1	A2540 C	05/20/08 12:36/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/04/08 18:48/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	06/04/08 15:53/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/04/08 18:48/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/04/08 18:48/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/04/08 15:53/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/04/08 18:48/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/04/08 15:53/eli-c
Iron	ND	mg/L		0.03		2	E200.7	06/04/08 18:48/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/04/08 15:53/eli-c
Manganese	0.08	mg/L		0.01		2	E200.7	06/04/08 18:48/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/04/08 15:53/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/04/08 18:48/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/04/08 18:48/eli-c
Selenium	ND	mg/L		0.005		1	A3114 B	06/03/08 15:15/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/04/08 15:53/eli-c

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.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050251-003
Client Sample ID: DewBurd GW4002

Report Date: 07/30/08
Collection Date: 05/19/08 13:00
Date Received: 05/20/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	06/04/08 15:53/eli-c
Uranium	0.0023	mg/L		0.0003		1	E200.8	06/04/08 15:53/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/04/08 18:48/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/04/08 18:48/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	06/07/08 21:51/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/03/08 11:22/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/03/08 16:19/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	127	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Alpha precision (±)	6.5	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Alpha MDC	2.6	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Beta	30.1	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Beta precision (±)	2.2	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Gross Beta MDC	2.9	pCi/L				1	E900.0	06/11/08 08:06/eli-c
Lead 210	-2.6	pCi/L	U			1	E909.0M	06/27/08 08:45/eli-c
Lead 210 MDC	16.0	pCi/L				1	E909.0M	06/27/08 08:45/eli-c
Lead 210 precision (±)	9.5	pCi/L				1	E909.0M	06/27/08 08:45/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	06/03/08 17:45/eli-c
Polonium 210 precision (±)	0.50	pCi/L				1	RMO-3008	06/03/08 17:45/eli-c
Radium 226	52.3	pCi/L				1	E903.0	06/08/08 16:38/eli-c
Radium 226 precision (±)	1.9	pCi/L				1	E903.0	06/08/08 16:38/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	06/04/08 10:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/04/08 10:00/eli-c
Gross Gamma	210	pCi/L		20		1	E901.1	05/28/08 05:30/eli-c
Gross Gamma precision (±)	30	pCi/L				1	E901.1	05/28/08 05:30/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	1.4	pCi/L	U			1	E909.0M	07/03/08 09:50/eli-c
Lead 210 precision (±)	5.2	pCi/L				1	E909.0M	07/03/08 09:50/eli-c
Lead 210 MDC	8.8	pCi/L				1	E909.0M	07/03/08 09:50/eli-c
Polonium 210	0.1	pCi/L	U	1.0		1	RMO-3008	06/19/08 12:00/eli-c
Polonium 210 precision (±)	0.38	pCi/L				1	RMO-3008	06/19/08 12:00/eli-c
Radium 226	8.4	pCi/L				1	E903.0	06/03/08 08:59/eli-c

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U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050251-003
Client Sample ID: DewBurd GW4002

Report Date: 07/30/08
Collection Date: 05/19/08 13:00
Date Received: 05/20/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.9	pCi/L				1	E903.0	06/03/08 08:59/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	06/03/08 08:59/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	05/29/08 15:00/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	05/29/08 15:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	8780	pCi/L		100		1	D5072-92	05/23/08 07:37/eli-c
Radon 222 precision (±)	143	pCi/L				1	D5072-92	05/23/08 07:37/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/06/08 17:21/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	06/06/08 17:21/eli-c
Barium	ND	mg/L		0.1		2	E200.7	05/27/08 21:27/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	06/09/08 14:52/eli-c
Boron	ND	mg/L		0.1		2	E200.7	05/27/08 21:27/eli-c
Cadmium	ND	mg/L		0.001		1	E200.8	06/06/08 17:21/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	05/27/08 21:27/eli-c
Copper	ND	mg/L		0.01		2	E200.7	05/27/08 21:27/eli-c
Iron	2.29	mg/L		0.03		2	E200.7	05/27/08 21:27/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/06/08 17:21/eli-c
Manganese	0.08	mg/L		0.01		2	E200.7	05/27/08 21:27/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/04/08 19:52/eli-b
Molybdenum	ND	mg/L		0.01		1	E200.8	06/06/08 17:21/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	05/27/08 21:27/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/06/08 17:21/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/06/08 17:21/eli-c
Strontium	0.9	mg/L		0.1		2	E200.7	05/27/08 21:27/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/06/08 17:21/eli-c
Uranium	0.0025	mg/L		0.0003		1	E200.8	06/06/08 17:21/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	05/27/08 21:27/eli-c
DATA QUALITY								
A/C Balance (± 5)	2.11	%				1	A1030 E	07/29/08 00:00/jmh
Anions	12.4	meq/L				1	A1030 E	07/29/08 00:00/jmh
Cations	13.0	meq/L				1	A1030 E	07/29/08 00:00/jmh
Solids, Total Dissolved Calculated	834	mg/L				1	A1030 E	07/29/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.940					1	A1030 E	07/29/08 00:00/jmh

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 080522A-ALK-SEL-W	
Sample ID: LCS1_080522A	Laboratory Control Sample				Run: PH_COND1-R_080522A			05/22/08 09:22	
Alkalinity, Total as CaCO3	944	mg/L	5.0	94	90	110			
Sample ID: MBLK1_080522A	Method Blank				Run: PH_COND1-R_080522A			05/22/08 09:26	
Alkalinity, Total as CaCO3	4	mg/L	3						
Sample ID: R08050266-003AMS	Sample Matrix Spike				Run: PH_COND1-R_080522A			05/22/08 10:29	
Alkalinity, Total as CaCO3	292	mg/L	5.0	115	80	120			
Sample ID: R08050266-003AMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_080522A			05/22/08 10:23	
Alkalinity, Total as CaCO3	290	mg/L	5.0	113	80	120	0.7	10	
Method: A2510 B								Batch: 080523_1_COND-PROBE-W	
Sample ID: LCS_COND-1_080523	Laboratory Control Sample				Run: PH_COND2-R_080523B			05/23/08 15:55	
Conductivity @ 25 C	1410	umhos/cm	5.0	100	90	110			
Sample ID: LCS1-1_080523	Laboratory Control Sample				Run: PH_COND2-R_080523B			05/23/08 15:56	
Conductivity @ 25 C	150	umhos/cm	5.0	100	90	110			
Sample ID: LCS2-1_080523	Laboratory Control Sample				Run: PH_COND2-R_080523B			05/23/08 15:57	
Conductivity @ 25 C	5000	umhos/cm	5.0	100	90	110			
Sample ID: R08050321-001ADUP	Sample Duplicate				Run: PH_COND2-R_080523B			05/23/08 16:24	
Conductivity @ 25 C	1460	umhos/cm	5.0				2.8	10	
Method: A2540 C								Batch: 080520A-SLDS-TDS-W	
Sample ID: LCS1_080520A	Laboratory Control Sample				Run: BAL-4-R_080520A			05/20/08 09:30	
Solids, Total Dissolved TDS @ 180 C	210	mg/L	5.0	103	90	110			
Sample ID: MBLK1_080520A	Method Blank				Run: BAL-4-R_080520A			05/20/08 09:32	
Solids, Total Dissolved TDS @ 180 C	4	mg/L	3						
Sample ID: R08040168-001ADUP	Sample Duplicate				Run: BAL-4-R_080520A			05/20/08 09:33	
Solids, Total Dissolved TDS @ 180 C	440	mg/L	5.0				1.8	20	
Sample ID: R08050229-001AMS	Sample Matrix Spike				Run: BAL-4-R_080520A			05/20/08 10:05	
Solids, Total Dissolved TDS @ 180 C	1100	mg/L	5.0	97	80	120			
Sample ID: R08050229-001AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080520A			05/20/08 10:07	
Solids, Total Dissolved TDS @ 180 C	1100	mg/L	5.0	101	80	120	0.7	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B									Batch: C_SE3114-080603A
Sample ID: MBLK	Method Blank				Run: SUB-C102059				06/03/08 11:03
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-81-1	Laboratory Control Sample				Run: SUB-C102059				06/03/08 11:05
Selenium-IV	0.051	mg/L	0.0010	101	90	110			
Sample ID: C08050602-001EMS	Sample Matrix Spike				Run: SUB-C102059				06/03/08 11:14
Selenium-IV	0.051	mg/L	0.0010	101	85	115			
Sample ID: C08050602-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C102059				06/03/08 11:16
Selenium-IV	0.051	mg/L	0.0010	103	85	115	1.1	10	
Method: A3114 B									Batch: C_SE3114-080603B
Sample ID: MBLK	Method Blank				Run: SUB-C102093				06/03/08 15:00
Selenium	ND	mg/L	6E-05						
Sample ID: 288-81-1	Laboratory Control Sample				Run: SUB-C102093				06/03/08 15:02
Selenium	0.051	mg/L	0.0010	101	90	110			
Sample ID: C08050602-001EMS	Sample Matrix Spike				Run: SUB-C102093				06/03/08 15:06
Selenium	0.049	mg/L	0.0010	98	85	115			
Sample ID: C08050602-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C102093				06/03/08 15:08
Selenium	0.050	mg/L	0.0010	99	85	115	1.3	10	
Method: A4500-H B									Batch: 080523_1_PH-W
Sample ID: LCS_pH-1_080523	Laboratory Control Sample				Run: PH_COND2-R_080523A				05/23/08 14:21
pH	6.92	s.u.	0.010	101	98.55	101.45			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G								Batch: A2008-05-21_2_NH3_01	
Sample ID: MBLK-2	Method Blank				Run: TECHAA2-R_080521A			05/21/08 14:30	
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_080521A			05/21/08 14:31	
Nitrogen, Ammonia as N	0.27	mg/L	0.10	109	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_080521A			05/21/08 14:32	
Nitrogen, Ammonia as N	0.26	mg/L	0.10	104	90	110			
Sample ID: R08050241-001CMS	Sample Matrix Spike				Run: TECHAA2-R_080521A			05/21/08 17:37	
Nitrogen, Ammonia as N	0.24	mg/L	0.10	95	80	120			
Sample ID: R08050266-001CMS	Sample Matrix Spike				Run: TECHAA2-R_080521A			05/21/08 17:49	
Nitrogen, Ammonia as N	0.24	mg/L	0.10	96	80	120			
Sample ID: R08050266-001CMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080521A			05/21/08 17:50	
Nitrogen, Ammonia as N	0.25	mg/L	0.10	101	80	120	4.9	10	
Method: D5072-92								Batch: C_R101703	
Sample ID: C08050968-002IDUP	Sample Duplicate				Run: SUB-C101703			05/23/08 07:37	
Radon 222	141	pCi/L	100				12	30	
Sample ID: MB-R101703	Method Blank				Run: SUB-C101703			05/23/08 07:37	
Radon 222	20	pCi/L							U
Sample ID: LCS-R101703	Laboratory Control Sample				Run: SUB-C101703			05/23/08 07:37	
Radon 222	301	pCi/L	100	92	70	130			

Qualifiers:

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_18674
Sample ID: MB-18674	Method Blank				Run: SUB-C101828				05/27/08 21:06
Barium	ND	mg/L	0.006						
Boron	ND	mg/L	0.01						
Chromium	ND	mg/L	0.004						
Copper	ND	mg/L	0.005						
Iron	ND	mg/L	0.009						
Manganese	ND	mg/L	0.0003						
Nickel	ND	mg/L	0.005						
Strontium	ND	mg/L	0.0004						
Zinc	0.007	mg/L	0.001						
Sample ID: LCS3-18674	Laboratory Control Sample				Run: SUB-C101828				05/27/08 21:11
Barium	0.53	mg/L	0.10	106	85	115			
Boron	0.51	mg/L	0.10	102	85	115			
Chromium	0.52	mg/L	0.050	104	85	115			
Copper	0.52	mg/L	0.010	104	85	115			
Iron	5.5	mg/L	0.030	111	85	115			
Manganese	2.6	mg/L	0.010	105	85	115			
Nickel	0.52	mg/L	0.050	104	85	115			
Strontium	0.54	mg/L	0.10	108	85	115			
Zinc	0.52	mg/L	0.010	103	85	115			
Sample ID: C08050971-007B MS3	Sample Matrix Spike				Run: SUB-C101828				05/27/08 23:08
Barium	0.58	mg/L	0.10	105	70	130			
Boron	0.60	mg/L	0.10	106	70	130			
Chromium	0.54	mg/L	0.050	107	70	130			
Copper	0.53	mg/L	0.010	106	70	130			
Iron	5.6	mg/L	0.030	111	70	130			
Manganese	2.7	mg/L	0.010	106	70	130			
Nickel	0.54	mg/L	0.050	107	70	130			
Strontium	1.3	mg/L	0.10	101	70	130			
Zinc	0.53	mg/L	0.010	105	70	130			
Sample ID: C08050971-007B MSD3	Sample Matrix Spike Duplicate				Run: SUB-C101828				05/27/08 23:12
Barium	0.58	mg/L	0.10	104	70	130	1.4	20	
Boron	0.59	mg/L	0.10	104	70	130	1.5	20	
Chromium	0.53	mg/L	0.050	106	70	130	1.3	20	
Copper	0.52	mg/L	0.010	104	70	130	1.9	20	
Iron	5.6	mg/L	0.030	111	70	130	0.2	20	
Manganese	2.6	mg/L	0.010	106	70	130	0.6	20	
Nickel	0.53	mg/L	0.050	106	70	130	1.1	20	
Strontium	1.3	mg/L	0.10	102	70	130	0.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_18674
Sample ID: C08050971-007B MSD3	Sample Matrix Spike Duplicate				Run: SUB-C101828				05/27/08 23:12
Zinc	0.52	mg/L	0.010	104	70	130	1.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R102193
Sample ID: MB-080604A	Method Blank				Run: SUB-C102193				06/04/08 15:38
Silica	ND	mg/L	0.02						
Aluminum	ND	mg/L	0.004						
Barium	ND	mg/L	0.006						
Boron	0.03	mg/L	0.008						
Calcium	ND	mg/L	0.1						
Chromium	0.02	mg/L	0.002						
Iron	0.1	mg/L	0.005						
Magnesium	ND	mg/L	0.04						
Manganese	0.002	mg/L	0.0003						
Molybdenum	0.003	mg/L	0.003						
Nickel	ND	mg/L	0.004						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Vanadium	0.02	mg/L	0.003						
Zinc	ND	mg/L	0.002						
Sample ID: LFB-080604A	Laboratory Fortified Blank				Run: SUB-C102193				06/04/08 15:42
Silica	0.38	mg/L	0.10	94	85	125			
Aluminum	0.93	mg/L	0.10	93	85	125			
Barium	1.0	mg/L	0.10	103	85	125			
Boron	1.1	mg/L	0.10	103	85	125			
Calcium	53	mg/L	0.50	106	85	125			
Chromium	1.0	mg/L	0.050	102	85	125			
Iron	1.1	mg/L	0.030	99	85	125			
Magnesium	53	mg/L	0.50	107	85	125			
Manganese	1.0	mg/L	0.010	104	85	125			
Molybdenum	1.0	mg/L	0.10	100	85	125			
Nickel	1.0	mg/L	0.050	103	85	125			
Potassium	49	mg/L	0.50	98	85	125			
Sodium	49	mg/L	0.77	98	85	125			
Vanadium	1.1	mg/L	0.10	109	85	125			
Zinc	1.0	mg/L	0.010	104	85	125			
Sample ID: R08050251-002C	Sample Matrix Spike				Run: SUB-C102193				06/04/08 18:39
Aluminum	2.09	mg/L	0.10	103	70	130			
Barium	2.04	mg/L	0.10	99	70	130			
Boron	2.14	mg/L	0.10	102	70	130			
Chromium	2.10	mg/L	0.050	103	70	130			
Iron	2.16	mg/L	0.030	105	70	130			
Manganese	2.23	mg/L	0.010	99	70	130			
Molybdenum	2.01	mg/L	0.10	98	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R102193
Sample ID: R08050251-002C	Sample Matrix Spike				Run: SUB-C102193				06/04/08 18:39
Nickel	2.08	mg/L	0.050	102	70	130			
Vanadium	2.08	mg/L	0.10	102	70	130			
Zinc	2.10	mg/L	0.010	103	70	130			
Calcium	177	mg/L	1.0	103	70	130			
Magnesium	135	mg/L	1.0	103	70	130			
Potassium	102	mg/L	1.0	89	70	130			
Silica	4.17	mg/L	0.10		70	130			A
Sodium	286	mg/L	1.5	97	70	130			
Sample ID: R08050251-002C	Sample Matrix Spike Duplicate				Run: SUB-C102193				06/04/08 18:43
Aluminum	2.03	mg/L	0.10	99	70	130	3.1	20	
Barium	2.11	mg/L	0.10	103	70	130	3.6	20	
Boron	2.16	mg/L	0.10	104	70	130	1.3	20	
Chromium	2.13	mg/L	0.050	104	70	130	1.6	20	
Iron	2.21	mg/L	0.030	107	70	130	2.2	20	
Manganese	2.28	mg/L	0.010	102	70	130	2.4	20	
Molybdenum	2.08	mg/L	0.10	102	70	130	3.6	20	
Nickel	2.09	mg/L	0.050	103	70	130	0.4	20	
Vanadium	2.14	mg/L	0.10	105	70	130	2.8	20	
Zinc	2.13	mg/L	0.010	104	70	130	1.3	20	
Calcium	180	mg/L	1.0	105	70	130	1.1	20	
Magnesium	136	mg/L	1.0	105	70	130	1.2	20	
Potassium	102	mg/L	1.0	89	70	130	0.4	20	
Silica	4.21	mg/L	0.10		70	130	1.1	20	A
Sodium	282	mg/L	1.5	92	70	130	1.5	20	
Method: E200.8									Batch: C_18688
Sample ID: C08050953-001FMS	Sample Matrix Spike				Run: SUB-C102315				06/07/08 18:31
Uranium	0.0132	mg/L	0.00030	97	70	130			
Sample ID: C08050953-001FMSD	Sample Matrix Spike Duplicate				Run: SUB-C102315				06/07/08 18:36
Uranium	0.0133	mg/L	0.00030	98	70	130	0.8	20	
Sample ID: C08051031-005IMS4	Post Digestion Spike				Run: SUB-C102315				06/07/08 22:50
Uranium	0.0128	mg/L	0.00030	97	70	130			
Sample ID: C08051031-005IMSD4	Post Digestion Spike Duplicate				Run: SUB-C102315				06/07/08 22:55
Uranium	0.0129	mg/L	0.00030	98	70	130	0.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18768
Sample ID: MB-18768	Method Blank				Run: SUB-C102298				06/06/08 16:00
Antimony	ND	mg/L	0.0002						
Arsenic	0.0007	mg/L	5E-05						
Cadmium	ND	mg/L	4E-05						
Lead	ND	mg/L	5E-05						
Molybdenum	ND	mg/L	7E-05						
Selenium	0.0003	mg/L	0.0002						
Silver	0.0001	mg/L	5E-05						
Thallium	0.0001	mg/L	3E-05						
Uranium	ND	mg/L	3E-05						
Sample ID: LCS3-18768	Laboratory Control Sample				Run: SUB-C102298				06/06/08 16:07
Antimony	0.580	mg/L	0.050	116	85	115			
Arsenic	0.562	mg/L	0.0010	112	85	115			
Cadmium	0.275	mg/L	0.010	110	85	115			
Lead	0.568	mg/L	0.050	114	85	115			
Molybdenum	0.544	mg/L	0.10	109	85	115			
Selenium	0.569	mg/L	0.0020	114	85	115			
Silver	0.0480	mg/L	0.010	96	85	115			
Thallium	0.564	mg/L	0.10	113	85	115			
Sample ID: C08051073-001MMS3	Sample Matrix Spike				Run: SUB-C102298				06/06/08 18:56
Antimony	0.540	mg/L	0.050	108	70	130			
Arsenic	0.536	mg/L	0.0010	107	70	130			
Cadmium	0.263	mg/L	0.010	105	70	130			
Lead	0.529	mg/L	0.050	105	70	130			
Molybdenum	0.531	mg/L	0.10	103	70	130			
Selenium	0.527	mg/L	0.0020	104	70	130			
Silver	0.0433	mg/L	0.010	87	70	130			
Thallium	0.519	mg/L	0.10	104	70	130			
Uranium	0.557	mg/L	0.00032	110	70	130			
Sample ID: C08051073-001MMSD3	Sample Matrix Spike Duplicate				Run: SUB-C102298				06/06/08 19:23
Antimony	0.539	mg/L	0.050	108	70	130	0.2	20	
Arsenic	0.535	mg/L	0.0010	106	70	130	0.2	20	
Cadmium	0.264	mg/L	0.010	106	70	130	0.4	20	
Lead	0.529	mg/L	0.050	105	70	130	0.1	20	
Molybdenum	0.529	mg/L	0.10	103	70	130	0.4	20	
Selenium	0.534	mg/L	0.0020	105	70	130	1.3	20	
Silver	0.0451	mg/L	0.010	90	70	130	4.0	20	
Thallium	0.522	mg/L	0.10	104	70	130	0.5	20	
Uranium	0.572	mg/L	0.00032	113	70	130	2.6	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18768
Sample ID: LCS3-18768	Laboratory Control Sample				Run: SUB-C102315				06/07/08 12:11
Arsenic	0.519	mg/L	0.0010	104	85	115			
Lead	0.509	mg/L	0.050	102	85	115			
Molybdenum	0.504	mg/L	0.10	101	85	115			
Selenium	0.519	mg/L	0.0020	104	85	115			
Uranium	0.519	mg/L	0.00032	104	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R102203
Sample ID: LRB	Method Blank				Run: SUB-C102203				06/04/08 12:01
Arsenic	ND	mg/L	6E-05						
Cadmium	ND	mg/L	1E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Mercury	ND	mg/L	8E-05						
Silver	ND	mg/L	3E-05						
Thorium 232	ND	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C102203				06/04/08 12:07
Arsenic	0.0502	mg/L	0.0010	100	85	115			
Cadmium	0.0502	mg/L	0.0010	100	85	115			
Copper	0.0509	mg/L	0.0010	102	85	115			
Lead	0.0503	mg/L	0.0010	101	85	115			
Mercury	0.00499	mg/L	0.0010	100	85	115			
Silver	0.0200	mg/L	0.0010	100	85	115			
Thorium 232	0.0495	mg/L	0.0010	99	85	115			
Uranium	0.0501	mg/L	0.00030	100	85	115			
Sample ID: C08050903-007GMS4	Post Digestion Spike				Run: SUB-C102203				06/04/08 15:26
Arsenic	0.0518	mg/L	0.0010	101	70	130			
Cadmium	0.0475	mg/L	0.010	95	70	130			
Copper	0.0482	mg/L	0.010	95	70	130			
Lead	0.0498	mg/L	0.050	100	70	130			
Mercury	0.00459	mg/L	0.0010	92	70	130			
Silver	0.00192	mg/L	0.010	10	70	130			S
Thorium 232	0.0526	mg/L	0.0010	105	70	130			
Uranium	0.170	mg/L	0.00030	107	70	130			
Sample ID: C08050903-007GMSD4	Post Digestion Spike Duplicate				Run: SUB-C102203				06/04/08 15:32
Arsenic	0.0525	mg/L	0.0010	102	70	130	1.3	20	
Cadmium	0.0480	mg/L	0.010	96	70	130	1.0	20	
Copper	0.0485	mg/L	0.010	95	70	130	0.7	20	
Lead	0.0507	mg/L	0.050	101	70	130	1.7	20	
Mercury	0.00480	mg/L	0.0010	96	70	130	4.6	20	
Silver	0.000603	mg/L	0.010	3	70	130	0.0	20	S
Thorium 232	0.0539	mg/L	0.0010	107	70	130	2.5	20	
Uranium	0.172	mg/L	0.00030	110	70	130	1.1	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E245.1									Batch: C_B_32786
Sample ID: MB-32786	Method Blank				Run: SUB-C102258				06/04/08 17:57
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-32786	Laboratory Fortified Blank				Run: SUB-C102258				06/04/08 18:05
Mercury	0.0019	mg/L	0.0010	91	85	115			
Sample ID: B08052561-001DMS	Sample Matrix Spike				Run: SUB-C102258				06/04/08 18:14
Mercury	0.0019	mg/L	0.0010	94	70	130			
Sample ID: B08052561-001DMSD	Sample Matrix Spike Duplicate				Run: SUB-C102258				06/04/08 18:16
Mercury	0.0021	mg/L	0.0010	100	70	130	7.0	30	
Sample ID: B08052499-002CMS	Sample Matrix Spike				Run: SUB-C102258				06/04/08 19:08
Mercury	0.0017	mg/L	0.0010	87	70	130			
Sample ID: B08052499-002CMSD	Sample Matrix Spike Duplicate				Run: SUB-C102258				06/04/08 19:11
Mercury	0.0016	mg/L	0.0010	79	70	130	9.1	30	
Method: E245.1									Analytical Run: SUB-C102258
Sample ID: QCS	Initial Calibration Verification Standard								06/04/08 17:50
Mercury	0.0021	mg/L	0.0010	103	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R34857
Sample ID: LFB0805201727-3	Laboratory Fortified Blank				Run: DIONEX_080520A				05/20/08 13:29
Chloride	4.71	mg/L	0.50	94	90	110			
Fluoride	1.82	mg/L	0.10	91	90	110			
Nitrogen, Nitrate as N	2.33	mg/L	0.10	93	90	110			
Nitrogen, Nitrite as N	2.40	mg/L	0.10	96	90	110			
Sulfate	13.9	mg/L	1.0	92	90	110			
Sample ID: LFB0805201727-4	Laboratory Fortified Blank				Run: DIONEX_080520A				05/20/08 13:46
Chloride	4.66	mg/L	0.50	93	90	110			
Fluoride	1.80	mg/L	0.10	90	90	110			
Nitrogen, Nitrate as N	2.31	mg/L	0.10	92	90	110			
Nitrogen, Nitrite as N	2.38	mg/L	0.10	95	90	110			
Sulfate	13.8	mg/L	1.0	92	90	110			
Sample ID: R08050251-002AMS	Sample Matrix Spike				Run: DIONEX_080520A				05/20/08 17:36
Chloride	252	mg/L	5.4	91	80	120			
Fluoride	94.6	mg/L	0.56	87	80	120			
Nitrogen, Nitrate as N	119	mg/L	1.3	95	80	120			
Nitrogen, Nitrite as N	124	mg/L	2.9	99	80	120			
Sulfate	1110	mg/L	3.4	89	80	120			
Sample ID: R08050251-002AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080520A				05/20/08 17:52
Chloride	244	mg/L	5.4	87	80	120	3.5	10	
Fluoride	91.4	mg/L	0.56	84	80	120	3.5	10	
Nitrogen, Nitrate as N	116	mg/L	1.3	93	80	120	2.8	10	
Nitrogen, Nitrite as N	120	mg/L	2.9	96	80	120	3.3	10	
Sulfate	1100	mg/L	3.4	87	80	120	1.0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0									Batch: C_GrAB-0457
Sample ID: MB-GrAB-0457	Method Blank				Run: SUB-C102579				06/11/08 08:06
Gross Alpha	0.05	pCi/L							U
Gross Beta	-1	pCi/L							U
Sample ID: Th230-GrAB-0457	Laboratory Control Sample				Run: SUB-C102579				06/11/08 08:06
Gross Alpha	140	pCi/L		100	70	130			
Sample ID: Cs137-GrAB-0457	Laboratory Control Sample				Run: SUB-C102579				06/11/08 08:06
Gross Beta	87	pCi/L		94	70	130			
Sample ID: C08050953-001EMS	Sample Matrix Spike				Run: SUB-C102579				06/11/08 08:06
Gross Alpha	160	pCi/L		77	70	130			
Sample ID: C08050953-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C102579				06/11/08 08:06
Gross Alpha	150	pCi/L		75	70	130	1.7	17.5	
Sample ID: C08050953-001EMS	Sample Matrix Spike				Run: SUB-C102579				06/11/08 08:06
Gross Beta	100	pCi/L		93	70	130			
Sample ID: C08050953-001EMSD	Sample Matrix Spike Duplicate				Run: SUB-C102579				06/11/08 08:06
Gross Beta	99	pCi/L		91	70	130	2.5	15.6	
Sample ID: C08050959-001EDUP	Sample Duplicate				Run: SUB-C102579				06/11/08 21:12
Gross Alpha	370	pCi/L					14	22.1	
Gross Beta	160	pCi/L					41	27.5	R
- Duplicate RPD for Beta is outside of acceptance range. All other QC for the run is within limits. Batch is acceptable.									
Method: E901.1									Batch: C_R101877
Sample ID: LCS-R101877	Laboratory Control Sample				Run: SUB-C101877				05/28/08 05:30
Cesium 137	1140	pCi/L	20	82	70	130			
Sample ID: MB-R101877	Method Blank				Run: SUB-C101877				05/28/08 05:30
Gross Gamma	ND	pCi/L							U
Sample ID: C08050919-001HDUP	Sample Duplicate				Run: SUB-C101877				05/28/08 05:30
Gross Gamma	6600	pCi/L	20				0.1	30	
Sample ID: C08051031-005HDUP	Sample Duplicate				Run: SUB-C101877				05/28/08 05:30
Gross Gamma	ND	pCi/L	20				0.0	30	

Qualifiers:

RL - Analyte reporting limit.
R - RPD exceeds advisory limit.
ND - Not detected at the reporting limit.
U - Not detected at minimum detectable concentration

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: C_18688
Sample ID: R08050251-001I	Sample Matrix Spike				Run: SUB-C102137				06/03/08 08:59
Radium 226	77	pCi/L		98	70	130			
Sample ID: R08050251-001I	Sample Matrix Spike Duplicate				Run: SUB-C102137				06/03/08 08:59
Radium 226	72	pCi/L		91	70	130	7.4	25.5	
Sample ID: MB-18688	Method Blank				Run: SUB-C102137				06/03/08 10:37
Radium 226	-0.4	pCi/L							U
Sample ID: LCS-18688	Laboratory Control Sample				Run: SUB-C102137				06/03/08 10:37
Radium 226	15	pCi/L		99	70	130			
Method: E903.0									Batch: C_RA226-2833
Sample ID: C08050998-001AMS	Sample Matrix Spike				Run: SUB-C102378				06/07/08 20:14
Radium 226	7.9	pCi/L		98	70	130			
Sample ID: C08050998-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C102378				06/07/08 21:45
Radium 226	7.8	pCi/L		97	70	130	0.7	25	
Sample ID: MB-RA226-2833	Method Blank				Run: SUB-C102378				06/07/08 23:15
Radium 226	0.1	pCi/L							U
Sample ID: LCS-RA226-2833	Laboratory Control Sample				Run: SUB-C102378				06/08/08 11:16
Radium 226	8.4	pCi/L		104	70	130			
Method: E903.0									Batch: C_RA226-2834
Sample ID: C08050917-001AMS	Sample Matrix Spike				Run: SUB-C102415				06/08/08 16:51
Radium 226	430	pCi/L		-30	70	130			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: C08050917-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C102415				06/08/08 16:58
Radium 226	430	pCi/L		53	70	130	1.5	17.2	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: MB-RA226-2834	Method Blank				Run: SUB-C102415				06/09/08 13:54
Radium 226	0.06	pCi/L							U
Sample ID: LCS-RA226-2834	Laboratory Control Sample				Run: SUB-C102415				06/09/08 15:24
Radium 226	7.4	pCi/L		93	70	130			

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: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: C_18688
Sample ID: C08051031-001IMS	Sample Matrix Spike				Run: SUB-C102353				05/29/08 15:00
Thorium 230	20.6	pCi/L	0.20	88	70	130			
Sample ID: C08051031-001IMSD	Sample Matrix Spike Duplicate				Run: SUB-C102353				05/29/08 15:00
Thorium 230	22.8	pCi/L	0.20	102	70	130	10	30	
Sample ID: LCS-18688	Laboratory Control Sample				Run: SUB-C102353				05/29/08 15:00
Thorium 230	51.0	pCi/L	0.20	107	70	130			
Sample ID: MB-18688	Method Blank				Run: SUB-C102353				05/29/08 15:00
Thorium 230	-0.2	pCi/L							
Method: E907.0									Batch: C_R102575
Sample ID: LCS-R102575	Laboratory Control Sample				Run: SUB-C102575				06/04/08 10:00
Thorium 230	6.60	pCi/L	0.20	94	70	130			
Sample ID: C08051031-004HMS	Sample Matrix Spike				Run: SUB-C102575				06/04/08 10:00
Thorium 230	15.5	pCi/L	0.20	96	70	130			
Sample ID: C08051031-004HMSD	Sample Matrix Spike Duplicate				Run: SUB-C102575				06/04/08 10:00
Thorium 230	13.9	pCi/L	0.20	85	70	130	11	30	
Sample ID: MB-R102575	Method Blank				Run: SUB-C102575				06/04/08 10:00
Thorium 230	ND	pCi/L							
Method: E909.0M									Batch: C_R104386
Sample ID: C08050730-004FMS	Sample Matrix Spike				Run: SUB-C104386				06/27/08 08:45
Lead 210	1000	pCi/L		172	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: C08050730-004FMSD	Sample Matrix Spike Duplicate				Run: SUB-C104386				06/27/08 08:45
Lead 210	670	pCi/L		115	70	130	40	30	R
Sample ID: MB-R104386	Method Blank				Run: SUB-C104386				06/27/08 08:45
Lead 210	-2	pCi/L							U
Sample ID: LCS-R104386	Laboratory Control Sample				Run: SUB-C104386				06/27/08 08:45
Lead 210	110	pCi/L		98	70	130			

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050251

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0M									Batch: C_R104902
Sample ID: R08050251-003I	Sample Matrix Spike				Run: SUB-C104902				07/03/08 09:50
Lead 210	1200	pCi/L		105	70	130			
Sample ID: R08050251-003I	Sample Matrix Spike Duplicate				Run: SUB-C104902				07/03/08 09:50
Lead 210	1000	pCi/L		89	70	130	17	30	
Sample ID: MB-R104902	Method Blank				Run: SUB-C104902				07/03/08 09:50
Lead 210	1	pCi/L							U
Sample ID: LCS-R104902	Laboratory Control Sample				Run: SUB-C104902				07/03/08 09:50
Lead 210	61	pCi/L		101	70	130			
Method: RMO-3008									Batch: C_R102444
Sample ID: C08050737-001HMS	Sample Matrix Spike				Run: SUB-C102444				06/03/08 17:45
Polonium 210	51	pCi/L	1.0	112	70	130			
Sample ID: C08050737-001HMSD	Sample Matrix Spike Duplicate				Run: SUB-C102444				06/03/08 17:45
Polonium 210	48	pCi/L	1.0	107	70	130	5.0	30	
Sample ID: LCS-R102444	Laboratory Control Sample				Run: SUB-C102444				06/03/08 17:45
Polonium 210	58	pCi/L	1.0	133	70	130			S
- LCS response is outside of the acceptance range for this analysis. Since the MB, MS, MSD, and the RPD for the MS MSD pair are acceptable the batch is approved.									
Sample ID: MB-R102444	Method Blank				Run: SUB-C102444				06/03/08 17:45
Polonium 210	-0.1	pCi/L							U
Method: RMO-3008									Batch: C_R103071
Sample ID: C08051031-005IMS	Sample Matrix Spike				Run: SUB-C103071				06/19/08 12:00
Polonium 210	42	pCi/L	1.0	99	70	130			
Sample ID: C08051031-005IMSD	Sample Matrix Spike Duplicate				Run: SUB-C103071				06/19/08 12:00
Polonium 210	52	pCi/L	1.0	124	70	130	21	30	
Sample ID: LCS-R103071	Laboratory Control Sample				Run: SUB-C103071				06/19/08 12:00
Polonium 210	110	pCi/L	1.0	121	70	130			
Sample ID: MB-R103071	Method Blank				Run: SUB-C103071				06/19/08 12:00
Polonium 210	0.5	pCi/L							

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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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:
RESPEC	Power Tech Denver, Brookings	State: SD	Yes ☐ No ☐
Report Mail Address:	**Contact Name:** Phone/Fax:	**Email:**	**Sampler: (Please Print)**
RESPEC	cory.foreman@respec.com		Eric Krantz
Invoice Address:	**Invoice Contact & Phone:**	**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

ANALYSIS REQUESTED

SEE ATTACHED

Normal Turnaround (TAT)

RUSH

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

Comments:

Shipped by:

Cooler ID(s):

Receipt Temp 6.4 °C

On Ice: Yes No

Custody Seal Y N
Intact Y N
Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX		
1	Dewburd GW 631	05/19/08	11:06	W		Set 22 pitman pump
2	Dewburd GW 13	05/19/08	12:20	W		Set 20 c. spencer
3	Dewburd GW 4002	05/19/08	13:00	W		Set 16 swimming pool house
4						
5						
6						
7						
8						
9						
10						

LABORATORY USE ONLY

R0805251-001
002
003

Custody Record MUST be Signed

Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
Eric Krantz	5/20/08 08:45		Steve Troiland	5-20-08 8:45	
Relinquished by (print):	Date/Time:	Signature:	Received by (print):	Date/Time:	Signature:
			Received by Laboratory:	Date/Time:	Signature:

Sample Disposal: Return to Client: _____ Lab Disposal: _____

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.

Date: *21-Aug-08*

CLIENT: RESPEC Inc
Project: Edgemont
Sample Delivery Group: R08050321

CASE NARRATIVE

This case narrative is used to explain any exceptions to the analyses performed for your sample(s). In accordance with Good Analytical Laboratory Practices (GALP), samples requiring data qualifiers or analytical modifications are explained herein.

All samples were analyzed in accordance with prescribed methodology, except were noted. Samples are accompanied by appropriate quality assurance/quality control (QA/QC) samples throughout the analytical process.

During the course of analyzing your sample(s) the following exceptions were noted.
- Any exceptions noted are listed in the Analytical Report

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

BRANCH LABORATORY IDENTIFIERS
eli-b Energy Laboratories, Inc. Billings, MT, EPA # MT00005
eli-c - Energy Laboratories, Inc. - Casper, WY, EPA# WY00002
eli-f - Energy Laboratories, Inc. - Idaho Falls, ID, EPA # ID00942
eli-g Energy Laboratories, Inc. Gillette, WY, EPA# WY00006
eli-h Energy Laboratories, Inc. Helena, MT, EPA# MT00945
eli-t - Energy Laboratories, Inc. - College Station, TX, EPA# TX01520

For additional information, including certifications, and analytical services visit our web page www.energylab.com.

If you have questions regarding this information, please feel free to contact us at (888)672-1225, (605)342-1225 or rapid_city@energylab.com.
Comments imported for SUBBED Workorder: C08051031
-The LLD for Pb-210 per RG 4.14 is 1 pCi/L. The method used here can achieve an LLD (MDC) of about 5 pCi/L based on a 1.0 L sample size, and this is reported on a sample specific basis.
End of comments imported for SUBBED Workorder: C08051031

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050321-001
Client Sample ID: DewBurd GW696

Report Date: 08/21/08
Collection Date: 05/21/08 11:55
Date Received: 05/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	182	mg/L		5		1	A2320 B	05/27/08 09:50/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	05/27/08 09:50/mb
Bicarbonate as HCO3	222	mg/L		5		1	A2320 B	05/27/08 09:50/mb
Calcium	31.0	mg/L		0.5		2	E200.7	06/03/08 13:26/eli-c
Chloride	12	mg/L		1		1	E300.0	05/23/08 00:52/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	05/23/08 00:52/jmh
Magnesium	10.9	mg/L		0.5		2	E200.7	06/03/08 13:26/eli-c
Nitrogen, Ammonia as N	0.4	mg/L		0.1		1	A4500-NH3 G	05/28/08 12:06/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	05/23/08 00:52/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/23/08 00:52/jmh
Potassium	9.2	mg/L		0.5		2	E200.7	06/03/08 13:26/eli-c
Silica	4.7	mg/L		0.5		2	E200.7	06/03/08 13:26/eli-c
Sodium	294	mg/L	D	2		2	E200.7	06/03/08 13:26/eli-c
Sulfate	505	mg/L	D	3		50	E300.0	05/23/08 00:35/jmh
HYSICAL PROPERTIES								
Conductivity @ 25 C	1420	umhos/cm		5.0		1	A2510 B	05/23/08 16:21/tb
Oxidation-Reduction Potential	120	mV				1	A2580 B	05/23/08 16:00/kh
pH	8.35	s.u.		0.01		1	A4500-H B	05/23/08 14:52/kh
Sodium Adsorption Ratio (SAR)	12	unitless		0.10		1	Calculation	08/09/08 17:06/ADM
Solids, Total Dissolved TDS @ 180 C	930	mg/L		5		1	A2540 C	05/22/08 15:35/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/03/08 13:26/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	06/06/08 20:58/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/03/08 13:26/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/03/08 13:26/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/06/08 20:58/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/03/08 13:26/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/06/08 20:58/eli-c
Iron	0.09	mg/L		0.03		2	E200.7	06/03/08 13:26/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/06/08 20:58/eli-c
Manganese	0.07	mg/L		0.01		2	E200.7	06/03/08 13:26/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/06/08 20:58/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/03/08 13:26/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/03/08 13:26/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	06/03/08 15:25/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/06/08 20:58/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	06/06/08 20:58/eli-c

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 D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050321-001
Client Sample ID: DewBurd GW696

Report Date: 08/21/08
Collection Date: 05/21/08 11:55
Date Received: 05/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	ND	mg/L		0.0003		1	E200.8	06/06/08 20:58/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/03/08 13:26/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/03/08 13:26/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	06/07/08 22:07/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/03/08 11:33/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/03/08 16:19/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	14.3	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Gross Alpha precision (±)	3.0	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Gross Alpha MDC	3.1	pCi/L				1	E900.0	06/08/08 04:27/eli-c
ross Beta	9.0	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Gross Beta precision (±)	2.4	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Gross Beta MDC	3.7	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Lead 210	-2.7	pCi/L	U			1	E909.0M	06/25/08 11:25/eli-c
Lead 210 MDC	29.8	pCi/L				1	E909.0M	06/25/08 11:25/eli-c
Lead 210 precision (±)	17 7	pCi/L				1	E909.0M	06/25/08 11:25/eli-c
Polonium 210	-0.2	pCi/L	U	1 0		1	RMO-3008	06/05/08 17:45/eli-c
Polonium 210 precision (±)	0.40	pCi/L				1	RMO-3008	06/05/08 17:45/eli-c
Radium 226	1.8	pCi/L				1	E903.0	06/09/08 17:24/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	06/09/08 17:24/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	06/04/08 10:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/04/08 10:00/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/28/08 05:30/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	05/28/08 05:30/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	2.1	pCi/L	U			1	E909.0M	07/03/08 09:50/eli-c
Lead 210 precision (±)	5.3	pCi/L				1	E909.0M	07/03/08 09:50/eli-c
Lead 210 MDC	8.8	pCi/L				1	E909.0M	07/03/08 09:50/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	06/19/08 12:00/eli-c
Polonium 210 precision (±)	0.24	pCi/L				1	RMO-3008	06/19/08 12:00/eli-c
Radium 226	-0.1	pCi/L	U			1	E903.0	06/03/08 10:37/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	06/03/08 10:37/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	06/03/08 10:37/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050321-001
Client Sample ID: DewBurd GW696

Report Date: 08/21/08
Collection Date: 05/21/08 11:55
Date Received: 05/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	05/29/08 15:00/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	05/29/08 15:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	497	pCi/L		100		1	D5072-92	05/29/08 13:01/eli-c
Radon 222 precision (±)	138	pCi/L				1	D5072-92	05/29/08 13:01/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/06/08 18:09/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	06/06/08 18:09/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/03/08 18:16/eli-c
Beryllium	ND	mg/L	D	0.003		2	E200.7	06/03/08 18:16/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/03/08 18:16/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/06/08 18:09/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/03/08 18:16/eli-c
opper	ND	mg/L		0.01		2	E200.7	06/03/08 18:16/eli-c
ıron	0.10	mg/L		0.03		2	E200.7	06/03/08 18:16/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/06/08 18:09/eli-c
Manganese	0.07	mg/L		0.01		2	E200.7	06/03/08 18:16/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/04/08 22:00/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	06/03/08 18:16/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/03/08 18:16/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/06/08 18:09/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/06/08 18:09/eli-c
Strontium	0.8	mg/L		0.1		2	E200.7	06/03/08 18:16/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/06/08 18:09/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	06/06/08 18:09/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/03/08 18:16/eli-c
DATA QUALITY								
A/C Balance (± 5)	3.21	%				1	A1030 E	08/09/08 10:00/jmh
Anions	14.5	meq/L				1	A1030 E	08/09/08 10:00/jmh
Cations	15.5	meq/L				1	A1030 E	08/09/08 10:00/jmh
Solids, Total Dissolved Calculated	984	mg/L				1	A1030 E	08/09/08 10:00/jmh
TDS Balance (0.80 - 1.20)	0.940					1	A1030 E	08/09/08 10:00/jmh

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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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050321-002
Client Sample ID: DewBurd GW680

Report Date: 08/21/08
Collection Date: 05/21/08 12:50
Date Received: 05/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	254	mg/L		5		1	A2320 B	05/27/08 09:54/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	05/27/08 09:54/mb
Bicarbonate as HCO3	310	mg/L		5		1	A2320 B	05/27/08 09:54/mb
Calcium	406	mg/L		0.5		2	E200.7	06/03/08 13:43/eli-c
Chloride	12	mg/L		1		1	E300.0	05/23/08 01:25/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	05/23/08 01:25/jmh
Magnesium	133	mg/L		0.5		2	E200.7	06/03/08 13:43/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	05/28/08 12:07/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	05/23/08 01:25/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/23/08 01:25/jmh
Potassium	19.5	mg/L		0.5		2	E200.7	06/03/08 13:43/eli-c
Silica	4.1	mg/L		0.5		2	E200.7	06/03/08 13:43/eli-c
Sodium	132	mg/L	D	2		2	E200.7	06/03/08 13:43/eli-c
Sulfate	1370	mg/L	D	3		50	E300.0	05/23/08 01:08/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2860	umhos/cm		5.0		1	A2510 B	05/23/08 16:25/tb
Oxidation-Reduction Potential	160	mV				1	A2580 B	05/23/08 16:00/kh
pH	7.08	s.u.		0.01		1	A4500-H B	05/23/08 14:54/kh
Sodium Adsorption Ratio (SAR)	1.5	unitless		0.10		1	Calculation	08/09/08 17:06/ADM
Solids, Total Dissolved TDS @ 180 C	2300	mg/L		5		1	A2540 C	05/22/08 15:35/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/03/08 13:43/eli-c
Arsenic	0.004	mg/L		0.001		1	E200.8	06/06/08 21:05/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/03/08 13:43/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	06/03/08 13:43/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/06/08 21:05/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/03/08 13:43/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/06/08 21:05/eli-c
Iron	0.21	mg/L		0.03		2	E200.7	06/03/08 13:43/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/06/08 21:05/eli-c
Manganese	0.48	mg/L		0.01		2	E200.7	06/03/08 13:43/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/06/08 21:05/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/03/08 13:43/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/03/08 13:43/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	06/03/08 15:27/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/06/08 21:05/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	06/06/08 21:05/eli-c

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 D - RL increased due to sample matrix interference.

ENERGY LABORATORIES, INC. * 2821 Plant St * Rapid City, SD 57702
Toll Free 888.672.1225 * 605.342.1225 * FAX 605.342.1397 * rapid_city@energylab.com

LABORATORY ANALYTICAL REPORT

lient: RESPEC Inc
Project: Edgemont
Lab ID: R08050321-002
Client Sample ID: DewBurd GW680

Report Date: 08/21/08
Collection Date: 05/21/08 12:50
Date Received: 05/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.0260	mg/L		0.0003		1	E200.8	06/06/08 21:05/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/03/08 13:43/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/03/08 13:43/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	06/07/08 22:13/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/03/08 11:35/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/03/08 16:19/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	4500	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Gross Alpha precision (±)	64.8	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Gross Alpha MDC	6.9	pCi/L				1	E900.0	06/08/08 04:27/eli-c
oss Beta	1530	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Gross Beta precision (±)	18.0	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Gross Beta MDC	8.7	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Lead 210	61.8	pCi/L				1	E909.0M	06/25/08 11:25/eli-c
Lead 210 MDC	35.7	pCi/L				1	E909.0M	06/25/08 11:25/eli-c
Lead 210 precision (±)	22.9	pCi/L				1	E909.0M	06/25/08 11:25/eli-c
Polonium 210	1.5	pCi/L		1 0		1	RMO-3008	06/05/08 17:45/eli-c
Polonium 210 precision (±)	1.5	pCi/L				1	RMO-3008	06/05/08 17:45/eli-c
Radium 226	1240	pCi/L				1	E903.0	06/09/08 17:24/eli-c
Radium 226 precision (±)	6.1	pCi/L				1	E903.0	06/09/08 17:24/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	06/04/08 10:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/04/08 10:00/eli-c
Gross Gamma	21000	pCi/L		20		1	E901.1	05/28/08 05:30/eli-c
Gross Gamma precision (±)	250	pCi/L				1	E901.1	05/28/08 05:30/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	6.8	pCi/L	U			1	E909.0M	07/03/08 09:50/eli-c
Lead 210 precision (±)	5.3	pCi/L				1	E909.0M	07/03/08 09:50/eli-c
Lead 210 MDC	8.8	pCi/L				1	E909.0M	07/03/08 09:50/eli-c
Polonium 210	1.1	pCi/L		1.0		1	RMO-3008	06/19/08 12:00/eli-c
Polonium 210 precision (±)	0.86	pCi/L				1	RMO-3008	06/19/08 12:00/eli-c
Radium 226	1.0	pCi/L				1	E903.0	06/03/08 10:37/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	06/03/08 10:37/eli-c
Radium 226 MDC	0.4	pCi/L				1	E903.0	06/03/08 10:37/eli-c

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

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LABORATORY ANALYTICAL REPORT

lient: RESPEC Inc
Project: Edgemont
Lab ID: R08050321-002
Client Sample ID: DewBurd GW680

Report Date: 08/21/08
Collection Date: 05/21/08 12:50
Date Received: 05/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	05/29/08 15:00/eli-c
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	05/29/08 15:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	359000	pCi/L		100		1	D5072-92	05/29/08 13:01/eli-c
Radon 222 precision (±)	1160	pCi/L				1	D5072-92	05/29/08 13:01/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/06/08 18:16/eli-c
Arsenic	0.004	mg/L		0.001		1	E200.8	06/06/08 18:16/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/03/08 18:24/eli-c
Beryllium	ND	mg/L	D	0.003		2	E200.7	06/03/08 18:24/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	06/03/08 18:24/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/06/08 18:16/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/03/08 18:24/eli-c
‹pper	ND	mg/L		0.01		2	E200.7	06/03/08 18:24/eli-c
ıron	0.35	mg/L		0.03		2	E200.7	06/03/08 18:24/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/06/08 18:16/eli-c
Manganese	0.52	mg/L		0.01		2	E200.7	06/03/08 18:24/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/04/08 22:07/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	06/03/08 18:24/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/03/08 18:24/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/06/08 18:16/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/06/08 18:16/eli-c
Strontium	8.2	mg/L		0.1		2	E200.7	06/03/08 18:24/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/06/08 18:16/eli-c
Uranium	0.0273	mg/L		0.0003		1	E200.8	06/06/08 18:16/eli-c
Zinc	0.01	mg/L		0.01		2	E200.7	06/03/08 18:24/eli-c
DATA QUALITY								
A/C Balance (± 5)	5.04	%				1	A1030 E	08/09/08 10:00/jmh
Anions	33.9	meq/L				1	A1030 E	08/09/08 10:00/jmh
Cations	37.5	meq/L				1	A1030 E	08/09/08 10:00/jmh
Solids, Total Dissolved Calculated	2240	mg/L				1	A1030 E	08/09/08 10:00/jmh
TDS Balance (0.80 - 1.20)	1.04					1	A1030 E	08/09/08 10:00/jmh

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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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050321-003
Client Sample ID: DewBurd GW695

Report Date: 08/21/08
Collection Date: 05/21/08 14:45
Date Received: 05/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	180	mg/L		5		1	A2320 B	05/27/08 10:01/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	05/27/08 10:01/mb
Bicarbonate as HCO3	219	mg/L		5		1	A2320 B	05/27/08 10:01/mb
Calcium	52.1	mg/L		0.5		2	E200.7	06/03/08 13:51/eli-c
Chloride	11	mg/L		1		1	E300.0	05/23/08 02:30/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	05/23/08 02:30/jmh
Magnesium	19.4	mg/L		0.5		2	E200.7	06/03/08 13:51/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	05/28/08 12:11/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	05/23/08 02:30/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/23/08 02:30/jmh
Potassium	8.8	mg/L		0.5		2	E200.7	06/03/08 13:51/eli-c
Silica	4.4	mg/L		0.5		2	E200.7	06/03/08 13:51/eli-c
Sodium	254	mg/L	D	2		2	E200.7	06/03/08 13:51/eli-c
Sulfate	530	mg/L	D	3		50	E300.0	05/23/08 01:41/jmh
HYSICAL PROPERTIES								
Conductivity @ 25 C	1560	umhos/cm		5.0		1	A2510 B	05/23/08 16:26/tb
Oxidation-Reduction Potential	190	mV				1	A2580 B	05/23/08 16:00/kh
pH	7.91	s.u.		0.01		1	A4500-H B	05/23/08 14:55/kh
Sodium Adsorption Ratio (SAR)	7.6	unitless		0.10		1	Calculation	08/09/08 17:06/ADM
Solids, Total Dissolved TDS @ 180 C	920	mg/L		5		1	A2540 C	05/22/08 15:36/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/03/08 13:51/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	06/06/08 21:12/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/03/08 13:51/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/03/08 13:51/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/06/08 21:12/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/03/08 13:51/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/06/08 21:12/eli-c
Iron	ND	mg/L		0.03		2	E200.7	06/03/08 13:51/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/06/08 21:12/eli-c
Manganese	0.09	mg/L		0.01		2	E200.7	06/03/08 13:51/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/06/08 21:12/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/03/08 13:51/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/03/08 13:51/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	06/03/08 15:29/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/06/08 21:12/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	06/06/08 21:12/eli-c

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 D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050321-003
Client Sample ID: DewBurd GW695

Report Date: 08/21/08
Collection Date: 05/21/08 14:45
Date Received: 05/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.0029	mg/L		0.0003		1	E200.8	06/06/08 21:12/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/03/08 13:51/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/03/08 13:51/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	06/07/08 22:34/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/03/08 11:37/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/03/08 16:19/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	25.6	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Gross Alpha precision (±)	3.6	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Gross Alpha MDC	3.0	pCi/L				1	E900.0	06/08/08 04:27/eli-c
ross Beta	8.0	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Gross Beta precision (±)	2.4	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Gross Beta MDC	3.7	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Lead 210	3.1	pCi/L	U			1	E909.0M	06/25/08 11:25/eli-c
Lead 210 MDC	30.0	pCi/L				1	E909.0M	06/25/08 11:25/eli-c
Lead 210 precision (±)	18.0	pCi/L				1	E909.0M	06/25/08 11:25/eli-c
Polonium 210	-0.3	pCi/L	U	1 0		1	RMO-3008	06/05/08 17:45/eli-c
Polonium 210 precision (±)	0.10	pCi/L				1	RMO-3008	06/05/08 17:45/eli-c
Radium 226	3.7	pCi/L				1	E903.0	06/09/08 17:24/eli-c
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	06/09/08 17:24/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	06/04/08 10:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/04/08 10:00/eli-c
Gross Gamma	140	pCi/L		20		1	E901.1	05/28/08 05:30/eli-c
Gross Gamma precision (±)	29	pCi/L				1	E901.1	05/28/08 05:30/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-0.7	pCi/L	U			1	E909.0M	07/03/08 09:50/eli-c
Lead 210 precision (±)	5.2	pCi/L				1	E909.0M	07/03/08 09:50/eli-c
Lead 210 MDC	8.8	pCi/L				1	E909.0M	07/03/08 09:50/eli-c
Polonium 210	-0.2	pCi/L	U	1.0		1	RMO-3008	06/19/08 12:00/eli-c
Polonium 210 precision (±)	0.24	pCi/L				1	RMO-3008	06/19/08 12:00/eli-c
Radium 226	-0.2	pCi/L	U			1	E903.0	06/03/08 10:37/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	06/03/08 10:37/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	06/03/08 10:37/eli-c

Report Definitions:
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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: RESPEC Inc
Project: Edgemont
Lab ID: R08050321-003
Client Sample ID: DewBurd GW695

Report Date: 08/21/08
Collection Date: 05/21/08 14:45
Date Received: 05/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	05/29/08 15:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	05/29/08 15:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	2090	pCi/L		100		1	D5072-92	05/29/08 13:01/eli-c
Radon 222 precision (±)	155	pCi/L				1	D5072-92	05/29/08 13:01/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/06/08 18:22/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	06/06/08 18:22/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/03/08 18:29/eli-c
Beryllium	ND	mg/L	D	0.003		2	E200.7	06/03/08 18:29/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/03/08 18:29/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/06/08 18:22/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/03/08 18:29/eli-c
Copper	ND	mg/L		0.01		2	E200.7	06/03/08 18:29/eli-c
Iron	0.12	mg/L		0.03		2	E200.7	06/03/08 18:29/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/06/08 18:22/eli-c
Manganese	0.09	mg/L		0.01		2	E200.7	06/03/08 18:29/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/04/08 22:09/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	06/03/08 18:29/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/03/08 18:29/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/06/08 18:22/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/06/08 18:22/eli-c
Strontium	1.0	mg/L		0.1		2	E200.7	06/03/08 18:29/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/06/08 18:22/eli-c
Uranium	0.0029	mg/L		0.0003		1	E200.8	06/06/08 18:22/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/03/08 18:29/eli-c
DATA QUALITY								
A/C Balance (± 5)	1.68	%				1	A1030 E	08/09/08 10:00/jmh
Anions	15.0	meq/L				1	A1030 E	08/09/08 10:00/jmh
Cations	15.5	meq/L				1	A1030 E	08/09/08 10:00/jmh
Solids, Total Dissolved Calculated	996	mg/L				1	A1030 E	08/09/08 10:00/jmh
TDS Balance (0.80 - 1.20)	0.920					1	A1030 E	08/09/08 10:00/jmh

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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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050321-004
Client Sample ID: DewBurd GW694

Report Date: 08/21/08
Collection Date: 05/21/08 15:54
Date Received: 05/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	192	mg/L		5		1	A2320 B	05/27/08 10:05/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	05/27/08 10:05/mb
Bicarbonate as HCO3	234	mg/L		5		1	A2320 B	05/27/08 10:05/mb
Calcium	103	mg/L		0.5		2	E200.7	06/03/08 13:55/eli-c
Chloride	9	mg/L		1		1	E300.0	05/23/08 03:36/jmh
Fluoride	0.3	mg/L		0.1		1	E300.0	05/23/08 03:36/jmh
Magnesium	38.6	mg/L		0.5		2	E200.7	06/03/08 13:55/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	05/28/08 12:14/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	05/23/08 03:36/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/23/08 03:36/jmh
Potassium	13.1	mg/L		0.5		2	E200.7	06/03/08 13:55/eli-c
Silica	4.7	mg/L		0.5		2	E200.7	06/03/08 13:55/eli-c
Sodium	180	mg/L	D	2		2	E200.7	06/03/08 13:55/eli-c
Sulfate	493	mg/L	D	3		50	E300.0	05/23/08 02:47/jmh
HYSICAL PROPERTIES								
Conductivity @ 25 C	1550	umhos/cm		5.0		1	A2510 B	05/23/08 16:27/tb
Oxidation-Reduction Potential	210	mV				1	A2580 B	05/23/08 16:00/kh
pH	7.54	s.u.		0.01		1	A4500-H B	05/23/08 14:56/kh
Sodium Adsorption Ratio (SAR)	3.8	unitless		0.10		1	Calculation	08/09/08 17:06/ADM
Solids, Total Dissolved TDS @ 180 C	970	mg/L		5		1	A2540 C	05/22/08 15:37/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/03/08 13:55/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	06/06/08 21:18/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/03/08 13:55/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/03/08 13:55/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/06/08 21:18/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/03/08 13:55/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/06/08 21:18/eli-c
Iron	ND	mg/L		0.03		2	E200.7	06/03/08 13:55/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/06/08 21:18/eli-c
Manganese	0.16	mg/L		0.01		2	E200.7	06/03/08 13:55/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/06/08 21:18/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/03/08 13:55/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/03/08 13:55/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	06/03/08 15:31/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/06/08 21:18/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	06/06/08 21:18/eli-c

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
D - RL increased due to sample matrix interference.

ENERGY LABORATORIES, INC. * 2821 Plant St * Rapid City, SD 57702
Toll Free 888.672.1225 * 605.342.1225 * FAX 605.342.1397 * rapid_city@energylab.com

LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050321-004
Client Sample ID: DewBurd GW694

Report Date: 08/21/08
Collection Date: 05/21/08 15:54
Date Received: 05/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	0.0006	mg/L		0.0003		1	E200.8	06/06/08 21:18/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/03/08 13:55/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/03/08 13:55/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	06/07/08 22:39/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/03/08 11:39/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/03/08 16:19/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	10.6	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Gross Alpha precision (±)	2.8	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Gross Alpha MDC	3.2	pCi/L				1	E900.0	06/08/08 04:27/eli-c
ross Beta	12.5	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Gross Beta precision (±)	2.5	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Gross Beta MDC	3.8	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Lead 210	-2.3	pCi/L	U			1	E909.0M	06/25/08 11:25/eli-c
Lead 210 MDC	29.0	pCi/L				1	E909.0M	06/25/08 11:25/eli-c
Lead 210 precision (±)	17.2	pCi/L				1	E909.0M	06/25/08 11:25/eli-c
Polonium 210	0.6	pCi/L	U	1 0		1	RMO-3008	06/05/08 17:45/eli-c
Polonium 210 precision (±)	0.90	pCi/L				1	RMO-3008	06/05/08 17:45/eli-c
Radium 226	1.9	pCi/L				1	E903.0	06/09/08 17:24/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	06/09/08 17:24/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	06/04/08 10:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/04/08 10:00/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/28/08 05:30/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	1.4	pCi/L	U			1	E909.0M	07/03/08 09:50/eli-c
Lead 210 precision (±)	5.2	pCi/L				1	E909.0M	07/03/08 09:50/eli-c
Lead 210 MDC	8.8	pCi/L				1	E909.0M	07/03/08 09:50/eli-c
Polonium 210	-0.1	pCi/L	U	1.0		1	RMO-3008	06/19/08 12:00/eli-c
Polonium 210 precision (±)	0.24	pCi/L				1	RMO-3008	06/19/08 12:00/eli-c
Radium 226	-0.2	pCi/L	U			1	E903.0	06/03/08 10:37/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	06/03/08 10:37/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	06/03/08 10:37/eli-c
Thorium 230	0.3	pCi/L		0.2		1	E907.0	05/29/08 15:00/eli-c

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: RESPEC Inc
Project: Edgemont
Lab ID: R08050321-004
Client Sample ID: DewBurd GW694

Report Date: 08/21/08
Collection Date: 05/21/08 15:54
Date Received: 05/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	05/29/08 15:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	619	pCi/L		100		1	D5072-92	05/29/08 13:01/eli-c
Radon 222 precision (±)	135	pCi/L				1	D5072-92	05/29/08 13:01/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/06/08 18:29/eli-c
Arsenic	0.004	mg/L		0.001		1	E200.8	06/06/08 18:29/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/03/08 18:33/eli-c
Beryllium	ND	mg/L	D	0.003		2	E200.7	06/03/08 18:33/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/03/08 18:33/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/06/08 18:29/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/03/08 18:33/eli-c
Copper	ND	mg/L		0.01		2	E200.7	06/03/08 18:33/eli-c
Iron	0.16	mg/L		0.03		2	E200.7	06/03/08 18:33/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/06/08 18:29/eli-c
Manganese	0.17	mg/L		0.01		2	E200.7	06/03/08 18:33/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/04/08 22:16/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	06/03/08 18:33/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/03/08 18:33/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/06/08 18:29/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/06/08 18:29/eli-c
Strontium	3.0	mg/L		0.1		2	E200.7	06/03/08 18:33/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/06/08 18:29/eli-c
Uranium	0.0006	mg/L		0.0003		1	E200.8	06/06/08 18:29/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/03/08 18:33/eli-c
DATA QUALITY								
A/C Balance (± 5)	6.92	%				1	A1030 E	08/09/08 10:00/jmh
Anions	14.4	meq/L				1	A1030 E	08/09/08 10:00/jmh
Cations	16.5	meq/L				1	A1030 E	08/09/08 10:00/jmh
Solids, Total Dissolved Calculated	965	mg/L				1	A1030 E	08/09/08 10:00/jmh
TDS Balance (0.80 - 1.20)	1.01					1	A1030 E	08/09/08 10:00/jmh

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ND Not detected at the reporting limit
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050321-005
Client Sample ID: DewBurd GW697

Report Date: 08/21/08
Collection Date: 05/21/08 16:44
Date Received: 05/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	168	mg/L		5		1	A2320 B	05/27/08 10:07/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	05/27/08 10:07/mb
Bicarbonate as HCO3	205	mg/L		5		1	A2320 B	05/27/08 10:07/mb
Calcium	52.8	mg/L		0.5		2	E200.7	06/03/08 13:59/eli-c
Chloride	8	mg/L		1		1	E300.0	05/23/08 04:09/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	05/23/08 04:09/jmh
Magnesium	18.0	mg/L		0.5		2	E200.7	06/03/08 13:59/eli-c
Nitrogen, Ammonia as N	0.1	mg/L		0.1		1	A4500-NH3 G	05/28/08 12:16/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	05/23/08 04:09/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/23/08 04:09/jmh
Potassium	8.5	mg/L		0.5		2	E200.7	06/03/08 13:59/eli-c
Silica	4.6	mg/L		0.5		2	E200.7	06/03/08 13:59/eli-c
Sodium	216	mg/L	D	2		2	E200.7	06/03/08 13:59/eli-c
Sulfate	456	mg/L	D	3		50	E300.0	05/23/08 03:52/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1380	umhos/cm		5.0		1	A2510 B	05/23/08 16:28/tb
Oxidation-Reduction Potential	200	mV				1	A2580 B	05/23/08 16:00/kh
pH	7.90	s.u.		0.01		1	A4500-H B	05/23/08 14:57/kh
Sodium Adsorption Ratio (SAR)	6.5	unitless		0.10		1	Calculation	08/09/08 17:06/ADM
Solids, Total Dissolved TDS @ 180 C	790	mg/L		5		1	A2540 C	05/22/08 15:37/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/03/08 13:59/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	06/06/08 21:25/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/03/08 13:59/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/03/08 13:59/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/06/08 21:25/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/03/08 13:59/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/06/08 21:25/eli-c
Iron	0.04	mg/L		0.03		2	E200.7	06/03/08 13:59/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/06/08 21:25/eli-c
Manganese	0.06	mg/L		0.01		2	E200.7	06/03/08 13:59/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/06/08 21:25/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/03/08 13:59/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/03/08 13:59/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	06/03/08 15:34/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/06/08 21:25/eli-c
Thorium 232	ND	mg/L		0.005		1	E200.8	06/06/08 21:25/eli-c

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 D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050321-005
Client Sample ID: DewBurd GW697

Report Date: 08/21/08
Collection Date: 05/21/08 16:44
Date Received: 05/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Uranium	ND	mg/L		0.0003		1	E200.8	06/06/08 21:25/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/03/08 13:59/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/03/08 13:59/eli-c
METALS - SUSPENDED								
Uranium	0.0007	mg/L		0.0003		1	E200.8	06/07/08 22:45/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/03/08 11:41/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/03/08 16:19/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	4.1	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Gross Alpha precision (±)	2.0	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Gross Alpha MDC	2.7	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Gross Beta	5.4	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Gross Beta precision (±)	2.0	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Gross Beta MDC	3.3	pCi/L				1	E900.0	06/08/08 04:27/eli-c
Lead 210	-4.3	pCi/L	U			1	E909.0M	06/25/08 11:25/eli-c
Lead 210 MDC	28.2	pCi/L				1	E909.0M	06/25/08 11:25/eli-c
Lead 210 precision (±)	16.7	pCi/L				1	E909.0M	06/25/08 11:25/eli-c
Polonium 210	0.0	pCi/L	U	1 0		1	RMO-3008	06/05/08 17:45/eli-c
Polonium 210 precision (±)	0.40	pCi/L				1	RMO-3008	06/05/08 17:45/eli-c
Radium 226	1.1	pCi/L				1	E903.0	06/09/08 17:24/eli-c
Radium 226 precision (±)	0.2	pCi/L				1	E903.0	06/09/08 17:24/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	06/04/08 10:00/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/04/08 10:00/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	05/28/08 05:30/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	0.0	pCi/L	U			1	E909.0M	07/03/08 09:50/eli-c
Lead 210 precision (±)	5.2	pCi/L				1	E909.0M	07/03/08 09:50/eli-c
Lead 210 MDC	8.8	pCi/L				1	E909.0M	07/03/08 09:50/eli-c
Polonium 210	1.2	pCi/L		1.0		1	RMO-3008	06/19/08 12:00/eli-c
Polonium 210 precision (±)	0.81	pCi/L				1	RMO-3008	06/19/08 12:00/eli-c
Radium 226	3.8	pCi/L				1	E903.0	06/03/08 10:37/eli-c
Radium 226 precision (±)	0.7	pCi/L				1	E903.0	06/03/08 10:37/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	06/03/08 10:37/eli-c
Thorium 230	0.3	pCi/L		0.2		1	E907.0	05/29/08 15:00/eli-c

Report Definitions:
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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: RESPEC Inc
Project: Edgemont
Lab ID: R08050321-005
Client Sample ID: DewBurd GW697

Report Date: 08/21/08
Collection Date: 05/21/08 16:44
Date Received: 05/22/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Thorium 230 precision (±)	0.2	pCi/L				1	E907.0	05/29/08 15:00/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	570	pCi/L		100		1	D5072-92	05/29/08 13:01/eli-c
Radon 222 precision (±)	134	pCi/L				1	D5072-92	05/29/08 13:01/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/06/08 18:36/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	06/06/08 18:36/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/03/08 18:49/eli-c
Beryllium	ND	mg/L	D	0.003		2	E200.7	06/03/08 18:49/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/03/08 18:49/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/06/08 18:36/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/03/08 18:49/eli-c
Copper	ND	mg/L		0.01		2	E200.7	06/03/08 18:49/eli-c
Iron	0.04	mg/L		0.03		2	E200.7	06/03/08 18:49/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/06/08 18:36/eli-c
Manganese	0.06	mg/L		0.01		2	E200.7	06/03/08 18:49/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/04/08 22:19/eli-b
Molybdenum	ND	mg/L		0.1		2	E200.7	06/03/08 18:49/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/03/08 18:49/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/06/08 18:36/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/06/08 18:36/eli-c
Strontium	1.2	mg/L		0.1		2	E200.7	06/03/08 18:49/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/06/08 18:36/eli-c
Uranium	ND	mg/L		0.0003		1	E200.8	06/06/08 18:36/eli-c
Zinc	0.01	mg/L		0.01		2	E200.7	06/03/08 18:49/eli-c
DATA QUALITY								
A/C Balance (± 5)	2.35	%				1	A1030 E	08/09/08 10:00/jmh
Anions	13.1	meq/L				1	A1030 E	08/09/08 10:00/jmh
Cations	13.7	meq/L				1	A1030 E	08/09/08 10:00/jmh
Solids, Total Dissolved Calculated	873	mg/L				1	A1030 E	08/09/08 10:00/jmh
TDS Balance (0.80 - 1.20)	0.910					1	A1030 E	08/09/08 10:00/jmh

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MDC - 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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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08050321

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B									Batch: 080527A-ALK-SEL-W
Sample ID: LCS1_080527A	Laboratory Control Sample				Run: PH_COND1-R_080527A				05/27/08 09:44
Alkalinity, Total as CaCO3	968	mg/L	5.0	97	90	110			
Sample ID: MBLK1_080527A	Method Blank				Run: PH_COND1-R_080527A				05/27/08 09:46
Alkalinity, Total as CaCO3	ND	mg/L	3						
Method: A2510 B									Batch: 080523_1_COND-PROBE-W
Sample ID: LCS_COND-1_080523	Laboratory Control Sample				Run: PH_COND2-R_080523B				05/23/08 15:55
Conductivity @ 25 C	1410	umhos/cm	5.0	100	90	110			
Sample ID: LCS1-1_080523	Laboratory Control Sample				Run: PH_COND2-R_080523B				05/23/08 15:56
Conductivity @ 25 C	150	umhos/cm	5.0	100	90	110			
Sample ID: LCS2-1_080523	Laboratory Control Sample				Run: PH_COND2-R_080523B				05/23/08 15:57
Conductivity @ 25 C	5000	umhos/cm	5.0	100	90	110			
Sample ID: R08050321-001ADUP	Sample Duplicate				Run: PH_COND2-R_080523B				05/23/08 16:24
Conductivity @ 25 C	1460	umhos/cm	5.0				2.8	10	
Method: A2540 C									Batch: 080522A-SLDS-TDS-W
Sample ID: LCS1_080522A	Laboratory Control Sample				Run: BAL-4-R_080523A				05/22/08 15:25
Solids, Total Dissolved TDS @ 180 C	220	mg/L	5.0	107	90	110			
Sample ID: MBLK1_080522A	Method Blank				Run: BAL-4-R_080523A				05/22/08 15:26
Solids, Total Dissolved TDS @ 180 C	4	mg/L	3						
Sample ID: R08050307-001BMS	Sample Matrix Spike				Run: BAL-4-R_080523A				05/23/08 00:00
Solids, Total Dissolved TDS @ 180 C	2700	mg/L	5.0	120	80	120			
Sample ID: R08050307-001BMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080523A				05/23/08 00:00
Solids, Total Dissolved TDS @ 180 C	2700	mg/L	5.0	119	80	120	0.1	10	
Sample ID: R08050321-005AMS	Sample Matrix Spike				Run: BAL-4-R_080523A				05/22/08 15:38
Solids, Total Dissolved TDS @ 180 C	1000	mg/L	5.0	113	80	120			
Sample ID: R08050321-005AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080523A				05/22/08 15:38
Solids, Total Dissolved TDS @ 180 C	1000	mg/L	5.0	109	80	120	0.8	10	

Qualifiers:

_ - Analyte reporting limit.

ND - Not detected at the reporting limit.

ENERGY LABORATORIES, INC. * 2821 Plant St * Rapid City, SD 57702
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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08050321

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A3114 B									Batch: C_SE3114-080603A
Sample ID: MBLK	Method Blank				Run: SUB-C102059				06/03/08 11:03
Selenium-IV	ND	mg/L	6E-05						
Sample ID: 288-81-1	Laboratory Control Sample				Run: SUB-C102059				06/03/08 11:05
Selenium-IV	0.051	mg/L	0.0010	101	90	110			
Sample ID: R08050321-005E	Sample Matrix Spike				Run: SUB-C102059				06/03/08 11:43
Selenium-IV	0.046	mg/L	0.0010	92	85	115			
Sample ID: R08050321-005E	Sample Matrix Spike Duplicate				Run: SUB-C102059				06/03/08 11:45
Selenium-IV	0.047	mg/L	0.0010	94	85	115	1.7	10	
Method: A3114 B									Batch: C_SE3114-080603B
Sample ID: MBLK	Method Blank				Run: SUB-C102093				06/03/08 15:00
Selenium	ND	mg/L	6E-05						
Sample ID: 288-81-1	Laboratory Control Sample				Run: SUB-C102093				06/03/08 15:02
Selenium	0.051	mg/L	0.0010	101	90	110			
Sample ID: R08050321-005E	Sample Matrix Spike				Run: SUB-C102093				06/03/08 15:36
Selenium	0.045	mg/L	0.0010	91	85	115			
Sample ID: R08050321-005E	Sample Matrix Spike Duplicate				Run: SUB-C102093				06/03/08 15:38
Selenium	0.045	mg/L	0.0010	90	85	115	0.3	10	
Method: A4500-H B									Batch: 080523_1_PH-W
Sample ID: LCS_pH-1_080523	Laboratory Control Sample				Run: PH_COND2-R_080523A				05/23/08 14:21
pH	6.92	s.u.	0.010	101	98.55	101.45			
Sample ID: R08050321-001ADUP	Sample Duplicate				Run: PH_COND2-R_080523A				05/23/08 14:53
pH	8.34	s.u.	0.010				0.1	1.25	

Qualifiers:

L - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08050321

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G								Batch: A2008-05-28_2_NH3_01	
Sample ID: MBLK-2	Method Blank				Run: TECHAA2-R_080528A			05/28/08 10:35	
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_080528A			05/28/08 10:36	
Nitrogen, Ammonia as N	0.27	mg/L	0.10	107	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_080528A			05/28/08 10:38	
Nitrogen, Ammonia as N	0.25	mg/L	0.10	100	90	110			
Sample ID: R08050307-001CMS	Sample Matrix Spike				Run: TECHAA2-R_080528A			05/28/08 12:00	
Nitrogen, Ammonia as N	0.23	mg/L	0.10	90	80	120			
Sample ID: R08050307-001CMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080528A			05/28/08 12:02	
Nitrogen, Ammonia as N	0.24	mg/L	0.10	96	80	120	5.6	10	
Sample ID: R08050321-003BMS	Sample Matrix Spike				Run: TECHAA2-R_080528A			05/28/08 12:12	
Nitrogen, Ammonia as N	0.39	mg/L	0.10	98	80	120			
Sample ID: R08050321-003BMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080528A			05/28/08 12:13	
Nitrogen, Ammonia as N	0.40	mg/L	0.10	98	80	120	0.3	10	
Method: D5072-92								Batch: C_R101920	
Sample ID: R08050321-005G	Sample Duplicate				Run: SUB-C101920			05/29/08 13:01	
Radon 222	525	pCi/L	100				8.2	30	
Sample ID: MB-R101920	Method Blank				Run: SUB-C101920			05/29/08 13:01	
Radon 222	20	pCi/L							U
Sample ID: LCS-R101920	Laboratory Control Sample				Run: SUB-C101920			05/29/08 13:01	
Radon 222	301	pCi/L	100	93	70	130			

Qualifiers:

L - 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: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08050321

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_18693
Sample ID: MB-18693	Method Blank				Run: SUB-C102127				06/03/08 18:04
Barium	ND	mg/L	0.006						
Boron	ND	mg/L	0.01						
Chromium	ND	mg/L	0.004						
Copper	ND	mg/L	0.005						
Iron	ND	mg/L	0.009						
Manganese	ND	mg/L	0.0003						
Molybdenum	ND	mg/L	0.007						
Nickel	ND	mg/L	0.005						
Strontium	ND	mg/L	0.0004						
Zinc	0.006	mg/L	0.001						
Sample ID: LCS3-18693	Laboratory Control Sample				Run: SUB-C102127				06/03/08 18:08
Barium	0.526	mg/L	0.10	105	85	115			
Boron	0.548	mg/L	0.10	110	85	115			
Chromium	0.532	mg/L	0.050	106	85	115			
Copper	0.534	mg/L	0.010	107	85	115			
Iron	5.61	mg/L	0.030	112	85	115			
Manganese	2.67	mg/L	0.010	107	85	115			
Molybdenum	0.529	mg/L	0.10	106	85	115			
Nickel	0.525	mg/L	0.050	105	85	115			
Strontium	0.545	mg/L	0.10	109	85	115			
Zinc	0.539	mg/L	0.010	107	85	115			
Sample ID: R08050321-005D	Sample Matrix Spike				Run: SUB-C102127				06/03/08 18:53
Barium	0.559	mg/L	0.10	107	70	130			
Boron	0.602	mg/L	0.10	107	70	130			
Chromium	0.533	mg/L	0.050	107	70	130			
Copper	0.547	mg/L	0.010	109	70	130			
Iron	5.53	mg/L	0.030	110	70	130			
Manganese	2.78	mg/L	0.010	109	70	130			
Molybdenum	0.536	mg/L	0.10	107	70	130			
Nickel	0.542	mg/L	0.050	108	70	130			
Strontium	1.74	mg/L	0.10	100	70	130			
Zinc	0.544	mg/L	0.010	107	70	130			
Sample ID: R08050321-005D	Sample Matrix Spike Duplicate				Run: SUB-C102127				06/03/08 18:57
Barium	0.551	mg/L	0.10	105	70	130	1.5	20	
Boron	0.614	mg/L	0.10	109	70	130	2.0	20	
Chromium	0.531	mg/L	0.050	106	70	130	0.3	20	
Copper	0.539	mg/L	0.010	108	70	130	1.5	20	
Iron	5.50	mg/L	0.030	109	70	130	0.6	20	
Manganese	2.75	mg/L	0.010	107	70	130	1.1	20	
Molybdenum	0.539	mg/L	0.10	108	70	130	0.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08050321

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_18693
Sample ID: R08050321-005D	Sample Matrix Spike Duplicate				Run: SUB-C102127				06/03/08 18:57
Nickel	0.541	mg/L	0.050	108	70	130	0.2	20	
Strontium	1.72	mg/L	0.10	96	70	130	1.2	20	
Zinc	0.544	mg/L	0.010	107	70	130	0.1	20	
Sample ID: R08050321-005D	Sample Matrix Spike				Run: SUB-C102628				06/12/08 21:43
Barium	0.536	mg/L	0.10	102	70	130			
Boron	0.573	mg/L	0.10	105	70	130			
Chromium	0.518	mg/L	0.050	104	70	130			
Copper	0.521	mg/L	0.010	104	70	130			
Iron	5.55	mg/L	0.030	110	70	130			
Manganese	2.65	mg/L	0.010	104	70	130			
Molybdenum	0.516	mg/L	0.10	103	70	130			
Nickel	0.507	mg/L	0.050	101	70	130			
Strontium	1.67	mg/L	0.10	99	70	130			
Zinc	0.523	mg/L	0.010	104	70	130			
Sample ID: R08050321-005D	Sample Matrix Spike Duplicate				Run: SUB-C102628				06/12/08 21:47
Barium	0.550	mg/L	0.10	105	70	130	2.6	20	
Boron	0.584	mg/L	0.10	107	70	130	1.9	20	
Chromium	0.526	mg/L	0.050	105	70	130	1.5	20	
Copper	0.529	mg/L	0.010	106	70	130	1.5	20	
Iron	5.49	mg/L	0.030	108	70	130	1.1	20	
Manganese	2.69	mg/L	0.010	105	70	130	1.6	20	
Molybdenum	0.528	mg/L	0.10	106	70	130	2.3	20	
Nickel	0.517	mg/L	0.050	103	70	130	2.0	20	
Strontium	1.70	mg/L	0.10	106	70	130	2.0	20	
Zinc	0.533	mg/L	0.010	106	70	130	1.9	20	

Qualifiers:

L - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08050321

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R102127
Sample ID: MB-080603A	Method Blank				Run: SUB-C102127				06/03/08 12:29
Silica	ND	mg/L	0.02						
Aluminum	ND	mg/L	0.004						
Barium	ND	mg/L	0.006						
Boron	0.02	mg/L	0.008						
Calcium	ND	mg/L	0.1						
Chromium	ND	mg/L	0.002						
Iron	ND	mg/L	0.005						
Magnesium	ND	mg/L	0.04						
Manganese	ND	mg/L	0.0003						
Molybdenum	ND	mg/L	0.003						
Nickel	ND	mg/L	0.004						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Vanadium	0.03	mg/L	0.003						
Zinc	ND	mg/L	0.002						
Sample ID: LFB-080603A	Laboratory Fortified Blank				Run: SUB-C102127				06/03/08 12:33
Silica	0.38	mg/L	0.10	94	85	125			
Aluminum	0.94	mg/L	0.10	94	85	125			
Barium	0.99	mg/L	0.10	99	85	125			
Boron	1.0	mg/L	0.10	99	85	125			
Calcium	53	mg/L	0.50	105	85	125			
Chromium	1.0	mg/L	0.050	101	85	125			
Iron	1.1	mg/L	0.030	109	85	125			
Magnesium	53	mg/L	0.50	106	85	125			
Manganese	1.0	mg/L	0.010	101	85	125			
Molybdenum	0.97	mg/L	0.10	97	85	125			
Nickel	1.0	mg/L	0.050	101	85	125			
Potassium	46	mg/L	0.50	91	85	125			
Sodium	49	mg/L	0.77	99	85	125			
Vanadium	1.1	mg/L	0.10	107	85	125			
Zinc	1.0	mg/L	0.010	102	85	125			
Sample ID: C08051031-001CMS2	Sample Matrix Spike				Run: SUB-C102127				06/03/08 13:35
Aluminum	1.98	mg/L	0.10	97	70	130			
Barium	2.02	mg/L	0.10	99	70	130			
Boron	2.11	mg/L	0.10	99	70	130			
Chromium	2.06	mg/L	0.050	101	70	130			
Iron	2.22	mg/L	0.030	105	70	130			
Manganese	2.12	mg/L	0.010	101	70	130			
Molybdenum	1.96	mg/L	0.10	96	70	130			
Nickel	2.04	mg/L	0.050	100	70	130			
Vanadium	2.16	mg/L	0.10	103	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08050321

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7								Batch: C_R102127	
Sample ID: C08051031-001CMS2	Sample Matrix Spike				Run: SUB-C102127			06/03/08 13:35	
Zinc	2.10	mg/L	0.010	102	70	130			
Calcium	137	mg/L	1.0	104	70	130			
Magnesium	120	mg/L	1.0	107	70	130			
Potassium	101	mg/L	1.0	90	70	130			
Silica	5.53	mg/L	0.10		70	130			A
Sodium	386	mg/L	1.5	90	70	130			
Sample ID: C08051031-001CMSD2	Sample Matrix Spike Duplicate				Run: SUB-C102127			06/03/08 13:39	
Aluminum	1.93	mg/L	0.10	95	70	130	2.6	20	
Barium	1.98	mg/L	0.10	96	70	130	2.1	20	
Boron	2.07	mg/L	0.10	97	70	130	2.0	20	
Chromium	2.01	mg/L	0.050	99	70	130	2.4	20	
Iron	2.21	mg/L	0.030	104	70	130	0.5	20	
Manganese	2.07	mg/L	0.010	98	70	130	2.3	20	
Molybdenum	1.91	mg/L	0.10	94	70	130	2.3	20	
Nickel	2.01	mg/L	0.050	98	70	130	1.7	20	
Vanadium	2.11	mg/L	0.10	101	70	130	2.5	20	
Zinc	2.02	mg/L	0.010	99	70	130	3.7	20	
Calcium	134	mg/L	1.0	101	70	130	2.4	20	
Magnesium	116	mg/L	1.0	103	70	130	3.1	20	
Potassium	99.6	mg/L	1.0	89	70	130	1.3	20	
Silica	5.40	mg/L	0.10		70	130	2.5	20	A
Sodium	381	mg/L	1.5	86	70	130	1.2	20	
Sample ID: C08051053-001AMS2	Sample Matrix Spike				Run: SUB-C102127			06/03/08 16:39	
Aluminum	0.997	mg/L	0.10	98	70	130			
Barium	1.04	mg/L	0.10	99	70	130			
Boron	1.02	mg/L	0.10	97	70	130			
Calcium	95.0	mg/L	0.50	100	70	130			
Chromium	1.03	mg/L	0.050	101	70	130			
Iron	1.05	mg/L	0.030	103	70	130			
Magnesium	79.8	mg/L	0.50	103	70	130			
Manganese	1.03	mg/L	0.010	101	70	130			
Molybdenum	0.867	mg/L	0.10	85	70	130			
Nickel	1.01	mg/L	0.050	99	70	130			
Potassium	48.0	mg/L	0.50	87	70	130			
Sodium	77.3	mg/L	0.77	95	70	130			
Vanadium	1.14	mg/L	0.10	105	70	130			
Zinc	1.03	mg/L	0.010	100	70	130			
Sample ID: C08051053-001AMSD2	Sample Matrix Spike Duplicate				Run: SUB-C102127			06/03/08 16:43	
Aluminum	1.01	mg/L	0.10	99	70	130	1.3	20	
Barium	1.05	mg/L	0.10	100	70	130	1.2	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08050321

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R102127
Sample ID: C08051053-001AMSD2	Sample Matrix Spike Duplicate				Run: SUB-C102127				06/03/08 16:43
Boron	1.03	mg/L	0.10	98	70	130	0.4	20	
Calcium	93.8	mg/L	0.50	98	70	130	1.2	20	
Chromium	1.04	mg/L	0.050	101	70	130	0.6	20	
Iron	1.08	mg/L	0.030	106	70	130	2.6	20	
Magnesium	80.2	mg/L	0.50	103	70	130	0.5	20	
Manganese	1.03	mg/L	0.010	100	70	130	0.4	20	
Molybdenum	0.924	mg/L	0.10	91	70	130	6.4	20	
Nickel	1.01	mg/L	0.050	99	70	130	0.1	20	
Potassium	48.6	mg/L	0.50	88	70	130	1.1	20	
Sodium	78.1	mg/L	0.77	97	70	130	1.0	20	
Vanadium	1.12	mg/L	0.10	103	70	130	1.8	20	
Zinc	1.03	mg/L	0.010	100	70	130	0.2	20	
Method: E200.8									Batch: C_18688
Sample ID: C08050953-001FMS	Sample Matrix Spike				Run: SUB-C102315				06/07/08 18:31
Uranium	0.0132	mg/L	0.00030	97	70	130			
Sample ID: C08050953-001FMSD	Sample Matrix Spike Duplicate				Run: SUB-C102315				06/07/08 18:36
ranium	0.0133	mg/L	0.00030	98	70	130	0.8	20	
Sample ID: R08050321-005I	Post Digestion Spike				Run: SUB-C102315				06/07/08 22:50
Uranium	0.0128	mg/L	0.00030	97	70	130			
Sample ID: R08050321-005I	Post Digestion Spike Duplicate				Run: SUB-C102315				06/07/08 22:55
Uranium	0.0129	mg/L	0.00030	98	70	130	0.7	20	

Qualifiers:

_ - Analyte reporting limit.

ND - Not detected at the reporting limit.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08050321

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_18768
Sample ID: MB-18768	Method Blank				Run: SUB-C102298				06/06/08 16:00
Antimony	ND	mg/L	0.0002						
Arsenic	0.0007	mg/L	5E-05						
Cadmium	ND	mg/L	4E-05						
Lead	ND	mg/L	5E-05						
Selenium	0.0003	mg/L	0.0002						
Silver	0.0001	mg/L	5E-05						
Thallium	0.0001	mg/L	3E-05						
Uranium	ND	mg/L	3E-05						
Sample ID: LCS3-18768	Laboratory Control Sample				Run: SUB-C102298				06/06/08 16:07
Antimony	0.580	mg/L	0.050	116	85	115			
Arsenic	0.562	mg/L	0.0010	112	85	115			
Cadmium	0.275	mg/L	0.010	110	85	115			
Lead	0.568	mg/L	0.050	114	85	115			
Selenium	0.569	mg/L	0.0020	114	85	115			
Silver	0.0480	mg/L	0.010	96	85	115			
Thallium	0.564	mg/L	0.10	113	85	115			
Sample ID: C08051073-001MMS3	Sample Matrix Spike				Run: SUB-C102298				06/06/08 18:56
Antimony	0.540	mg/L	0.050	108	70	130			
Arsenic	0.536	mg/L	0.0010	107	70	130			
Cadmium	0.263	mg/L	0.010	105	70	130			
Lead	0.529	mg/L	0.050	105	70	130			
Selenium	0.527	mg/L	0.0020	104	70	130			
Silver	0.0433	mg/L	0.010	87	70	130			
Thallium	0.519	mg/L	0.10	104	70	130			
Uranium	0.557	mg/L	0.00032	110	70	130			
Sample ID: C08051073-001MMSD3	Sample Matrix Spike Duplicate				Run: SUB-C102298				06/06/08 19:23
Antimony	0.539	mg/L	0.050	108	70	130	0.2	20	
Arsenic	0.535	mg/L	0.0010	106	70	130	0.2	20	
Cadmium	0.264	mg/L	0.010	106	70	130	0.4	20	
Lead	0.529	mg/L	0.050	105	70	130	0.1	20	
Selenium	0.534	mg/L	0.0020	105	70	130	1.3	20	
Silver	0.0451	mg/L	0.010	90	70	130	4.0	20	
Thallium	0.522	mg/L	0.10	104	70	130	0.5	20	
Uranium	0.572	mg/L	0.00032	113	70	130	2.6	20	
Sample ID: LCS3-18768	Laboratory Control Sample				Run: SUB-C102315				06/07/08 12:11
Arsenic	0.519	mg/L	0.0010	104	85	115			
Lead	0.509	mg/L	0.050	102	85	115			
Selenium	0.519	mg/L	0.0020	104	85	115			
Uranium	0.519	mg/L	0.00032	104	85	115			

Qualifiers:

L - Analyte reporting limit.

ND - Not detected at the reporting limit.

ENERGY LABORATORIES, INC. * 2821 Plant St * Rapid City, SD 57702
Toll Free 888.672.1225 * 605.342.1225 * FAX 605.342.1397 * rapid_city@energylab.com

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08050321

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R102298
Sample ID: LRB	Method Blank				Run: SUB-C102298				06/06/08 13:52
Arsenic	9E-05	mg/L	6E-05						
Cadmium	ND	mg/L	1E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Mercury	ND	mg/L	8E-05						
Silver	8E-05	mg/L	4E-05						
Thorium 232	0.0002	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C102298				06/06/08 13:58
Arsenic	0.0543	mg/L	0.0010	108	85	115			
Cadmium	0.0527	mg/L	0.0010	105	85	115			
Copper	0.0539	mg/L	0.0010	108	85	115			
Lead	0.0537	mg/L	0.0010	107	85	115			
Mercury	0.00538	mg/L	0.0010	108	85	115			
Silver	0.0209	mg/L	0.0010	104	85	115			
Thorium 232	0.0540	mg/L	0.0010	108	85	115			
Uranium	0.0538	mg/L	0.00030	108	85	115			
Sample ID: C08051031-005CMS4	Post Digestion Spike				Run: SUB-C102298				06/06/08 21:32
Arsenic	0.0538	mg/L	0.0010	104	70	130			
Cadmium	0.0483	mg/L	0.010	97	70	130			
Copper	0.0485	mg/L	0.010	96	70	130			
Lead	0.0532	mg/L	0.050	106	70	130			
Mercury	0.00536	mg/L	0.0010	107	70	130			
Silver	0.0128	mg/L	0.010	64	70	130			S
Thorium 232	0.0547	mg/L	0.0010	109	70	130			
Uranium	0.0552	mg/L	0.00030	110	70	130			
Sample ID: C08051031-005CMSD4	Post Digestion Spike Duplicate				Run: SUB-C102298				06/06/08 21:39
Arsenic	0.0524	mg/L	0.0010	102	70	130	2.5	20	
Cadmium	0.0487	mg/L	0.010	97	70	130	0.8	20	
Copper	0.0486	mg/L	0.010	96	70	130	0.2	20	
Lead	0.0526	mg/L	0.050	105	70	130	1.1	20	
Mercury	0.00539	mg/L	0.0010	108	70	130	0.6	20	
Silver	0.0133	mg/L	0.010	67	70	130	3.8	20	S
Thorium 232	0.0550	mg/L	0.0010	110	70	130	0.5	20	
Uranium	0.0548	mg/L	0.00030	109	70	130	0.7	20	

Qualifiers:

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08050321

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E245.1									Batch: C_B_32817
Sample ID: MB-32817	Method Blank				Run: SUB-C102258				06/04/08 21:47
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-32817	Laboratory Fortified Blank				Run: SUB-C102258				06/04/08 21:49
Mercury	0.0019	mg/L	0.0010	97	85	115			
Sample ID: R08050321-001D	Sample Matrix Spike				Run: SUB-C102258				06/04/08 22:02
Mercury	0.0020	mg/L	0.0010	98	70	130			
Sample ID: R08050321-001D	Sample Matrix Spike Duplicate				Run: SUB-C102258				06/04/08 22:05
Mercury	0.0021	mg/L	0.0010	103	70	130	5.5	30	
Method: E245.1									Analytical Run: SUB-C102258
Sample ID: QCS	Initial Calibration Verification Standard								06/04/08 17:50
Mercury	0.0021	mg/L	0.0010	103	90	110			

Qualifiers:

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08050321

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R34940
Sample ID: LFB0805225816-3	Laboratory Fortified Blank				Run: DIONEX_080522A				05/22/08 18:18
Chloride	4.63	mg/L	0.50	93	90	110			
Fluoride	1.78	mg/L	0.10	89	90	110			S
Nitrogen, Nitrate as N	2.30	mg/L	0.10	92	90	110			
Nitrogen, Nitrite as N	2.37	mg/L	0.10	95	90	110			
Sulfate	13.8	mg/L	1.0	92	90	110			
Sample ID: LFB0805225816-4	Laboratory Fortified Blank				Run: DIONEX_080522A				05/22/08 18:34
Chloride	4.76	mg/L	0.50	95	90	110			
Fluoride	1.84	mg/L	0.10	92	90	110			
Nitrogen, Nitrate as N	2.36	mg/L	0.10	94	90	110			
Nitrogen, Nitrite as N	2.44	mg/L	0.10	98	90	110			
Sulfate	14.1	mg/L	1.0	94	90	110			
Sample ID: R08050285-001AMS	Sample Matrix Spike				Run: DIONEX_080522A				05/22/08 22:57
Chloride	596	mg/L	5.4	98	80	120			
Fluoride	93.8	mg/L	0.56	87	80	120			
Nitrogen, Nitrate as N	122	mg/L	1.3	92	80	120			
Nitrogen, Nitrite as N	123	mg/L	2.9	95	80	120			
Sulfate	964	mg/L	3.4	87	80	120			
Sample ID: R08050285-001AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080522A				05/22/08 23:13
Chloride	576	mg/L	5.4	90	80	120	3.4	10	
Fluoride	90.6	mg/L	0.56	84	80	120	3.5	10	
Nitrogen, Nitrate as N	117	mg/L	1.3	88	80	120	4.0	10	
Nitrogen, Nitrite as N	119	mg/L	2.9	91	80	120	3.6	10	
Sulfate	934	mg/L	3.4	83	80	120	3.2	10	
Sample ID: R08050321-004AMS	Sample Matrix Spike				Run: DIONEX_080522A				05/23/08 03:03
Chloride	247	mg/L	5.4	90	80	120			
Fluoride	92.8	mg/L	0.56	86	80	120			
Nitrogen, Nitrate as N	119	mg/L	1.3	95	80	120			
Nitrogen, Nitrite as N	122	mg/L	2.9	98	80	120			
Sulfate	1140	mg/L	3.4	86	80	120			
Sample ID: R08050321-004AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080522A				05/23/08 03:19
Chloride	238	mg/L	5.4	86	80	120	3.7	10	
Fluoride	89.0	mg/L	0.56	82	80	120	4.2	10	
Nitrogen, Nitrate as N	113	mg/L	1.3	91	80	120	4.9	10	
Nitrogen, Nitrite as N	117	mg/L	2.9	94	80	120	4.1	10	
Sulfate	1120	mg/L	3.4	83	80	120	1.4	10	

Qualifiers:

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ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08050321

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0									Batch: C_GrAB-0455
Sample ID: MB-GrAB-0455	Method Blank				Run: SUB-C102338				06/07/08 04:24
Gross Alpha	0.6	pCi/L							U
Gross Beta	-0.6	pCi/L							U
Sample ID: Th230-GrAB-0455	Laboratory Control Sample				Run: SUB-C102338				06/07/08 04:24
Gross Alpha	150	pCi/L		110	70	130			
Sample ID: Cs137-GrAB-0455	Laboratory Control Sample				Run: SUB-C102338				06/07/08 04:24
Gross Beta	88	pCi/L		94	70	130			
Sample ID: C08050619-001AMS	Sample Matrix Spike				Run: SUB-C102338				06/07/08 04:24
Gross Alpha	92	pCi/L		65	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: C08050619-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C102338				06/07/08 04:24
Gross Alpha	87	pCi/L		62	70	130	5.7	20.1	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: C08050619-001AMS	Sample Matrix Spike				Run: SUB-C102338				06/07/08 04:24
Gross Beta	94	pCi/L		98	70	130			
Sample ID: C08050619-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C102338				06/07/08 04:24
Gross Beta	91	pCi/L		95	70	130	2.8	15.9	
Method: E901.1									Batch: C_R101877
Sample ID: LCS-R101877	Laboratory Control Sample				Run: SUB-C101877				05/28/08 05:30
Cesium 137	1140	pCi/L	20	82	70	130			
Sample ID: MB-R101877	Method Blank				Run: SUB-C101877				05/28/08 05:30
Gross Gamma	ND	pCi/L							U
Sample ID: R08050321-005H	Sample Duplicate				Run: SUB-C101877				05/28/08 05:30
Gross Gamma	ND	pCi/L	20				0.0	30	U

Qualifiers:

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S - Spike recovery outside of advisory limits.
ND - Not detected at the reporting limit.
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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08050321

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E903.0									Batch: C_18688
Sample ID: C08050913-001MS	Sample Matrix Spike				Run: SUB-C102137				06/03/08 08:59
Radium 226	77	pCi/L		98	70	130			
Sample ID: C08050913-001MSD	Sample Matrix Spike Duplicate				Run: SUB-C102137				06/03/08 08:59
Radium 226	72	pCi/L		91	70	130	7.4	25.5	
Sample ID: MB-18688	Method Blank				Run: SUB-C102137				06/03/08 10:37
Radium 226	-0.4	pCi/L							U
Sample ID: LCS-18688	Laboratory Control Sample				Run: SUB-C102137				06/03/08 10:37
Radium 226	15	pCi/L		99	70	130			
Method: E903.0									Batch: C_RA226-2839
Sample ID: C08051073-001AMS	Sample Matrix Spike				Run: SUB-C102434				06/09/08 17:25
Radium 226	6.7	pCi/L		83	70	130			
Sample ID: C08051073-001AMSD	Sample Matrix Spike Duplicate				Run: SUB-C102434				06/09/08 17:25
Radium 226	6.9	pCi/L		85	70	130	2.8	23.9	
Sample ID: MB-RA226-2839	Method Blank				Run: SUB-C102434				06/10/08 09:17
Radium 226	-0.08	pCi/L							U
Sample ID: LCS-RA226-2839	Laboratory Control Sample				Run: SUB-C102434				06/10/08 09:17
Radium 226	7.1	pCi/L		90	70	130			
Method: E907.0									Batch: C_18688
Sample ID: R08050321-001I	Sample Matrix Spike				Run: SUB-C102353				05/29/08 15:00
Thorium 230	20.6	pCi/L	0.20	88	70	130			
Sample ID: R08050321-001I	Sample Matrix Spike Duplicate				Run: SUB-C102353				05/29/08 15:00
Thorium 230	22.8	pCi/L	0.20	102	70	130	10	30	
Sample ID: LCS-18688	Laboratory Control Sample				Run: SUB-C102353				05/29/08 15:00
Thorium 230	51.0	pCi/L	0.20	107	70	130			
Sample ID: MB-18688	Method Blank				Run: SUB-C102353				05/29/08 15:00
Thorium 230	-0.2	pCi/L							U

Qualifiers:

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U Not detected at minimum detectable concentration

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08050321

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E907.0									Batch: C_R102575
Sample ID: LCS-R102575	Laboratory Control Sample				Run: SUB-C102575				06/04/08 10:00
Thorium 230	6.60	pCi/L	0.20	94	70	130			
Sample ID: R08050321-004H	Sample Matrix Spike				Run: SUB-C102575				06/04/08 10:00
Thorium 230	15.5	pCi/L	0.20	96	70	130			
Sample ID: R08050321-004H	Sample Matrix Spike Duplicate				Run: SUB-C102575				06/04/08 10:00
Thorium 230	13.9	pCi/L	0.20	85	70	130	11	30	
Sample ID: MB-R102575	Method Blank				Run: SUB-C102575				06/04/08 10:00
Thorium 230	ND	pCi/L							U
Method: E909.0M									Batch: C_R104902
Sample ID: C08050913-003IMS	Sample Matrix Spike				Run: SUB-C104902				07/03/08 09:50
Lead 210	1200	pCi/L		105	70	130			
Sample ID: C08050913-003IMSD	Sample Matrix Spike Duplicate				Run: SUB-C104902				07/03/08 09:50
Lead 210	1000	pCi/L		89	70	130	17	30	
Sample ID: MB-R104902	Method Blank				Run: SUB-C104902				07/03/08 09:50
ead 210	1	pCi/L							U
Sample ID: LCS-R104902	Laboratory Control Sample				Run: SUB-C104902				07/03/08 09:50
Lead 210	61	pCi/L		101	70	130			
Method: E909.0M									Batch: C_R105446
Sample ID: C08050919-002HMS	Sample Matrix Spike				Run: SUB-C105446				06/25/08 11:25
Lead 210	550	pCi/L		92	70	130			
Sample ID: C08050919-002HMSD	Sample Matrix Spike Duplicate				Run: SUB-C105446				06/25/08 11:25
Lead 210	420	pCi/L		71	70	130	26	30	
Sample ID: R08050321-002H	Sample Duplicate				Run: SUB-C105446				06/25/08 11:25
Lead 210	80	pCi/L					25	30	
Sample ID: MB-R105446	Method Blank				Run: SUB-C105446				06/25/08 11:25
Lead 210	ND	pCi/L							U
Sample ID: LCS-R105446	Laboratory Control Sample				Run: SUB-C105446				06/25/08 11:25
Lead 210	140	pCi/L		115	70	130			

Qualifiers:

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 08/21/08
Work Order: R08050321

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: RMO-3008									Batch: C_R102463
Sample ID: R08050321-001H	Sample Matrix Spike				Run: SUB-C102463				06/05/08 17:45
Polonium 210	85	pCi/L	1.0	98	70	130			
Sample ID: R08050321-001H	Sample Matrix Spike Duplicate				Run: SUB-C102463				06/05/08 17:45
Polonium 210	87	pCi/L	1.0	100	70	130	1.6	30	
Sample ID: LCS-R102463	Laboratory Control Sample				Run: SUB-C102463				06/05/08 17:45
Polonium 210	42	pCi/L	1.0	96	70	130			
Sample ID: MB-R102463	Method Blank				Run: SUB-C102463				06/05/08 17:45
Polonium 210	ND	pCi/L							U
Method: RMO-3008									Batch: C_R103071
Sample ID: R08050321-005I	Sample Matrix Spike				Run: SUB-C103071				06/19/08 12:00
Polonium 210	42	pCi/L	1.0	99	70	130			
Sample ID: R08050321-005I	Sample Matrix Spike Duplicate				Run: SUB-C103071				06/19/08 12:00
Polonium 210	52	pCi/L	1.0	124	70	130	21	30	
Sample ID: LCS-R103071	Laboratory Control Sample				Run: SUB-C103071				06/19/08 12:00
Polonium 210	110	pCi/L	1.0	121	70	130			
Sample ID: MB-R103071	Method Blank				Run: SUB-C103071				06/19/08 12:00
Polonium 210	0.5	pCi/L							U

Qualifiers:

_ - Analyte reporting limit.

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U Not detected at minimum detectable concentration

Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT- Provide as much information as possible.

Company Name: RESPEC	Project Name, PWS, Permit, Etc.: Power Tech Dewey Burdock	Sample Origin State: SD	EPA/State Compliance: Yes ☐ No ☐
Report Mail Address: RESPEC	Contact Name: Phone/Fax: Cory.foreman@respec.com	Email:	Sampler: (Please Print) Eric Krantz
Invoice Address:	Invoice Contact & Phone: cory.foreman@respec.com	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) Format:
☐ POTW/WWTP ☐ LEVEL IV
☐ State: ☐ NELAC
☐ Other:

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

Comments: All Groundwater

Shipped by:

Cooler ID(s):

Receipt Temp 5.2 °C

On Ice: (Yes) No

Custody Seal Y N
Intact Y N
Signature Match Y N

	SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)	Collection Date	Collection Time	MATRIX (Number of Containers; Sample Type: A Air, W Water, S Soils/Solids, V Vegetation, B Bioassay, O Other)	ANALYSIS REQUESTED	SEE ATTACHED	Normal Turnaround (TAT)		LABORATORY USE ONLY
1	Dew Burd GW696	5/21/08	11:55	W	As Per Quote			set 30/08-15-3	R8805032-001
2	Dew Burd GW680	5/21/08	12:50	W				set 29/041-11c	002
3	Dew Burd GW695	5/21/08	14:45	W				set 26/07-32-13	003
4	Dew Burd GW694	5/21/08	15:54	W				set 28/08-15-02	004
5	Dew Burd GW697	5/21/08	16:44	W				set 19/08-32-12	005
6									
7									
8									
9									
10									

Custody Record MUST be Signed

Relinquished by (print): Eric Krantz	Date/Time: 5/22/08 0920	Signature:	Received by (print): Steve Froiland
Relinquished by (print):	Date/Time:	Signature:	Received by (print): Date/Time: 5-22-08 9:20 Signature:
Sample Disposal: Return to Client: Lab Disposal:			Received by Laboratory: Date/Time: 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.

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ANALYTICAL SUMMARY REPORT

July 30, 2008

Cory Foreman
RESPEC Inc
3824 Jet Dr
Rapid City, SD 57701-

Workorder No.: R08050406 Quote ID: R286

Project Name: Edgemont

Energy Laboratories Inc. received the following 6 samples from RESPEC Inc on 5/29/2008 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
R08050406-001	DewBurd GW698	05/28/08 12:35	05/29/08	Aqueous	Metals by ICP/ICPMS, Dissolved Metals by ICP/ICPMS, Suspended Metals by ICP/ICPMS, Total Alkalinity Anion - Cation Balance Conductivity Mercury, Total Selenium, Dissolved Selenium, Dissolved Selenium, Dissolved Anions by Ion Chromatography Nitrogen, Ammonia Oxidation Reduction Potential pH Digestion, Total Metals Digestion, Total Metals Dissolved Filtration Digestion, Mercury by CVAA Gross Alpha, Gross Beta Gross Gamma, Dissolved Lead 210, Dissolved Lead 210, Suspended Polonium 210, Dissolved Polonium 210, Suspended Radium 226, Dissolved Radium 226, Suspended Radon 222 Thorium, Isotopic Thorium, Suspended Isotopic Sodium Adsorption Ratio Solids, Total Dissolved
R08050406-002	DewBurd GW698	05/28/08 12:45	05/29/08	Aqueous	Same As Above
R08050406-003	DewBurd GW3026	05/28/08 15:15	05/29/08	Aqueous	Same As Above
R08050406-004	DewBurd GW622	05/28/08 18:26	05/29/08	Aqueous	Same As Above
R08050406-005	DewBurd GW615	05/28/08 19:20	05/29/08	Aqueous	Same As Above
R08050406-006	DewBurd GW689	05/28/08 22:25	05/29/08	Aqueous	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: Linda

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050406-001
Client Sample ID: DewBurd GW698

Report Date: 07/30/08
Collection Date: 05/28/08 12:35
Date Received: 05/29/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	114	mg/L		5		1	A2320 B	06/02/08 11:18/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	06/02/08 11:18/mb
Bicarbonate as HCO3	139	mg/L		5		1	A2320 B	06/02/08 11:18/mb
Calcium	382	mg/L		0.5		2	E200.7	06/16/08 17:03/eli-c
Chloride	9	mg/L		1		1	E300.0	05/29/08 14:09/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	05/29/08 14:09/jmh
Magnesium	137	mg/L		0.5		2	E200.7	06/16/08 17:03/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	06/03/08 13:00/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	05/29/08 14:09/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/29/08 14:09/jmh
Potassium	15.5	mg/L		0.5		2	E200.7	06/16/08 17:03/eli-c
Silica	5.2	mg/L		0.5		2	E200.7	06/16/08 17:03/eli-c
Sodium	88	mg/L	D	2		2	E200.7	06/16/08 17:03/eli-c
Sulfate	1270	mg/L	D	3		50	E300.0	05/29/08 13:20/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2280	umhos/cm		5.0		1	A2510 B	05/29/08 15:14/tb
Oxidation-Reduction Potential	200	mV				1	A2580 B	06/04/08 00:00/jmh
pH	6.78	s.u.		0.01		1	A4500-H B	05/29/08 14:20/tb
Sodium Adsorption Ratio (SAR)	0.98	unitless		0.10		1	Calculation	07/18/08 18:14/ADM
Solids, Total Dissolved TDS @ 180 C	2200	mg/L		5		1	A2540 C	05/30/08 11:57/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/16/08 17:03/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	06/23/08 02:25/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/16/08 17:03/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	06/16/08 17:03/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/23/08 02:25/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/16/08 17:03/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/23/08 02:25/eli-c
Iron	1.69	mg/L		0.03		2	E200.7	06/16/08 17:03/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/23/08 02:25/eli-c
Manganese	2.31	mg/L		0.01		1	E200.8	06/24/08 12:31/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/23/08 02:25/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/16/08 17:03/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/16/08 17:03/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	06/20/08 15:16/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/24/08 12:31/eli-c

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.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050406-001
Client Sample ID: DewBurd GW698

Report Date: 07/30/08
Collection Date: 05/28/08 12:35
Date Received: 05/29/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	06/23/08 02:25/eli-c
Uranium	0.101	mg/L		0.0003		1	E200.8	06/23/08 02:25/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/16/08 17:03/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/16/08 17:03/eli-c
METALS - SUSPENDED								
Uranium	0.0038	mg/L		0.0003		1	E200.8	06/26/08 00:28/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/20/08 10:13/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/20/08 16:54/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	1210	pCi/L				1	E900.0	06/26/08 11:24/eli-c
Gross Alpha precision (±)	33.2	pCi/L				1	E900.0	06/26/08 11:24/eli-c
Gross Alpha MDC	6.1	pCi/L				1	E900.0	06/26/08 11:24/eli-c
Gross Beta	380	pCi/L				1	E900.0	06/26/08 11:24/eli-c
Gross Beta precision (±)	9.9	pCi/L				1	E900.0	06/26/08 11:24/eli-c
Gross Beta MDC	8.5	pCi/L				1	E900.0	06/26/08 11:24/eli-c
Lead 210	5.5	pCi/L	U			1	E909.0M	06/17/08 06:30/eli-c
Lead 210 MDC	8.2	pCi/L				1	E909.0M	06/17/08 06:30/eli-c
Lead 210 precision (±)	5.0	pCi/L				1	E909.0M	06/17/08 06:30/eli-c
Polonium 210	0.2	pCi/L	U	1.0		1	RMO-3008	06/16/08 18:00/eli-c
Polonium 210 precision (±)	0.80	pCi/L				1	RMO-3008	06/16/08 18:00/eli-c
Radium 226	413	pCi/L				1	E903.0	06/16/08 22:01/eli-c
Radium 226 precision (±)	3.7	pCi/L				1	E903.0	06/16/08 22:01/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	06/16/08 13:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/16/08 13:30/eli-c
Gross Gamma	4100	pCi/L		20		1	E901.1	06/04/08 12:00/eli-c
Gross Gamma precision (±)	150	pCi/L				1	E901.1	06/04/08 12:00/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	2.6	pCi/L	U			1	E909.0M	06/11/08 06:30/eli-c
Lead 210 precision (±)	10.6	pCi/L				1	E909.0M	06/11/08 06:30/eli-c
Lead 210 MDC	17.7	pCi/L				1	E909.0M	06/11/08 06:30/eli-c
Polonium 210	1.4	pCi/L		1.0		1	RMO-3008	07/01/08 14:30/eli-c
Polonium 210 precision (±)	1.0	pCi/L				1	RMO-3008	07/01/08 14:30/eli-c
Radium 226	14.0	pCi/L				1	E903.0	06/17/08 09:14/eli-c

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U - Not detected at minimum detectable concentration

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050406-001
Client Sample ID: DewBurd GW698

Report Date: 07/30/08
Collection Date: 05/28/08 12:35
Date Received: 05/29/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	1.3	pCi/L				1	E903.0	06/17/08 09:14/eli-c
Radium 226 MDC	0.6	pCi/L				1	E903.0	06/17/08 09:14/eli-c
Thorium 230	0.7	pCi/L		0.2		1	E907.0	06/13/08 13:30/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	06/13/08 13:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	25600	pCi/L		100		1	D5072-92	05/31/08 02:56/eli-c
Radon 222 precision (±)	164	pCi/L				1	D5072-92	05/31/08 02:56/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/09/08 02:14/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	06/09/08 02:14/eli-c
Barium	ND	mg/L		0.1		1	E200.8	06/09/08 02:14/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	06/09/08 02:14/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	06/05/08 21:56/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/09/08 02:14/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	06/09/08 02:14/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/09/08 02:14/eli-c
Iron	4.60	mg/L		0.03		2	E200.7	06/05/08 21:56/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/09/08 02:14/eli-c
Manganese	2.32	mg/L		0.01		1	E200.8	06/09/08 02:14/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/17/08 11:01/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	06/09/08 02:14/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	06/09/08 02:14/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/09/08 02:14/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/17/08 18:54/eli-c
Strontium	4.8	mg/L		0.1		1	E200.8	06/09/08 02:14/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/09/08 02:14/eli-c
Uranium	0.116	mg/L		0.0003		1	E200.8	06/09/08 02:14/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	06/09/08 02:14/eli-c
DATA QUALITY								
A/C Balance (± 5)	9.13	%				1	A1030 E	07/18/08 00:00/jmh
Anions	28.9	meq/L				1	A1030 E	07/18/08 00:00/jmh
Cations	34.8	meq/L				1	A1030 E	07/18/08 00:00/jmh
Solids, Total Dissolved Calculated	1980	mg/L				1	A1030 E	07/18/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.09					1	A1030 E	07/18/08 00:00/jmh

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050406-002
Client Sample ID: DewBurd GW698

Report Date: 07/30/08
Collection Date: 05/28/08 12:45
Date Received: 05/29/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	118	mg/L		5		1	A2320 B	06/02/08 11:23/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	06/02/08 11:23/mb
Bicarbonate as HCO3	144	mg/L		5		1	A2320 B	06/02/08 11:23/mb
Calcium	375	mg/L		0.5		2	E200.7	06/16/08 17:15/eli-c
Chloride	9	mg/L		1		1	E300.0	05/29/08 14:42/jmh
Fluoride	0.6	mg/L		0.1		1	E300.0	05/29/08 14:42/jmh
Magnesium	135	mg/L		0.5		2	E200.7	06/16/08 17:15/eli-c
Nitrogen, Ammonia as N	0.2	mg/L		0.1		1	A4500-NH3 G	06/03/08 13:04/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	05/29/08 14:42/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/29/08 14:42/jmh
Potassium	15.4	mg/L		0.5		2	E200.7	06/16/08 17:15/eli-c
Silica	5.1	mg/L		0.5		2	E200.7	06/16/08 17:15/eli-c
Sodium	87	mg/L	D	2		2	E200.7	06/16/08 17:15/eli-c
Sulfate	1360	mg/L	D	3		50	E300.0	05/29/08 14:25/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2460	umhos/cm		5.0		1	A2510 B	05/29/08 15:15/tb
Oxidation-Reduction Potential	220	mV				1	A2580 B	06/04/08 00:00/jmh
pH	6.75	s.u.		0.01		1	A4500-H B	05/29/08 14:21/tb
Sodium Adsorption Ratio (SAR)	0.98	unitless		0.10		1	Calculation	07/18/08 18:14/ADM
Solids, Total Dissolved TDS @ 180 C	2100	mg/L		5		1	A2540 C	05/30/08 11:58/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/16/08 17:15/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	06/23/08 02:31/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/16/08 17:15/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	06/16/08 17:15/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/23/08 02:31/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/16/08 17:15/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/23/08 02:31/eli-c
Iron	1.56	mg/L		0.03		2	E200.7	06/16/08 17:15/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/23/08 02:31/eli-c
Manganese	2.23	mg/L		0.01		1	E200.8	06/23/08 02:31/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/23/08 02:31/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/16/08 17:15/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/16/08 17:15/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	06/20/08 15:23/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/24/08 12:38/eli-c

Report Definitions:
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QCL - Quality control limit.
MDC - 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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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050406-002
Client Sample ID: DewBurd GW698

Report Date: 07/30/08
Collection Date: 05/28/08 12:45
Date Received: 05/29/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	06/23/08 02:31/eli-c
Uranium	0.103	mg/L		0.0003		1	E200.8	06/23/08 02:31/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/16/08 17:15/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/16/08 17:15/eli-c
METALS - SUSPENDED								
Uranium	0.0032	mg/L		0.0003		1	E200.8	06/26/08 00:35/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/20/08 10:19/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/20/08 16:54/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	1390	pCi/L				1	E900.0	06/26/08 11:24/eli-c
Gross Alpha precision (±)	35.6	pCi/L				1	E900.0	06/26/08 11:24/eli-c
Gross Alpha MDC	6.1	pCi/L				1	E900.0	06/26/08 11:24/eli-c
Gross Beta	383	pCi/L				1	E900.0	06/26/08 11:24/eli-c
Gross Beta precision (±)	9.9	pCi/L				1	E900.0	06/26/08 11:24/eli-c
Gross Beta MDC	8.5	pCi/L				1	E900.0	06/26/08 11:24/eli-c
Lead 210	9.4	pCi/L				1	E909.0M	06/17/08 06:30/eli-c
Lead 210 MDC	8.2	pCi/L				1	E909.0M	06/17/08 06:30/eli-c
Lead 210 precision (±)	5.0	pCi/L				1	E909.0M	06/17/08 06:30/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	06/16/08 18:00/eli-c
Polonium 210 precision (±)	0.50	pCi/L				1	RMO-3008	06/16/08 18:00/eli-c
Radium 226	412	pCi/L				1	E903.0	06/16/08 22:01/eli-c
Radium 226 precision (±)	3.7	pCi/L				1	E903.0	06/16/08 22:01/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	06/16/08 13:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/16/08 13:30/eli-c
Gross Gamma	3500	pCi/L		20		1	E901.1	06/04/08 12:00/eli-c
Gross Gamma precision (±)	130	pCi/L				1	E901.1	06/04/08 12:00/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	9.0	pCi/L	U			1	E909.0M	06/11/08 06:30/eli-c
Lead 210 precision (±)	10.7	pCi/L				1	E909.0M	06/11/08 06:30/eli-c
Lead 210 MDC	17.7	pCi/L				1	E909.0M	06/11/08 06:30/eli-c
Polonium 210	1.3	pCi/L		1.0		1	RMO-3008	07/01/08 14:30/eli-c
Polonium 210 precision (±)	0.88	pCi/L				1	RMO-3008	07/01/08 14:30/eli-c
Radium 226	13.5	pCi/L				1	E903.0	06/17/08 09:14/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050406-002
Client Sample ID: DewBurd GW698

Report Date: 07/30/08
Collection Date: 05/28/08 12:45
Date Received: 05/29/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	1.2	pCi/L				1	E903.0	06/17/08 09:14/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	06/17/08 09:14/eli-c
Thorium 230	0.5	pCi/L		0.2		1	E907.0	06/13/08 13:30/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	06/13/08 13:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	22400	pCi/L		100		1	D5072-92	05/31/08 02:56/eli-c
Radon 222 precision (±)	153	pCi/L				1	D5072-92	05/31/08 02:56/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/09/08 02:21/eli-c
Arsenic	0.003	mg/L		0.001		1	E200.8	06/09/08 02:21/eli-c
Barium	ND	mg/L		0.1		1	E200.8	06/09/08 02:21/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	06/09/08 02:21/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/05/08 22:04/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/09/08 02:21/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	06/09/08 02:21/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/09/08 02:21/eli-c
Iron	4.88	mg/L		0.03		2	E200.7	06/05/08 22:04/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/09/08 02:21/eli-c
Manganese	2.45	mg/L		0.01		1	E200.8	06/09/08 02:21/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/17/08 11:03/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	06/09/08 02:21/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	06/09/08 02:21/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/09/08 02:21/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/17/08 19:28/eli-c
Strontium	5.0	mg/L		0.1		1	E200.8	06/09/08 02:21/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/09/08 02:21/eli-c
Uranium	0.119	mg/L		0.0003		1	E200.8	06/09/08 02:21/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	06/09/08 02:21/eli-c
DATA QUALITY								
A/C Balance (± 5)	5.02	%				1	A1030 E	07/18/08 00:00/jmh
Anions	30.9	meq/L				1	A1030 E	07/18/08 00:00/jmh
Cations	34.2	meq/L				1	A1030 E	07/18/08 00:00/jmh
Solids, Total Dissolved Calculated	2060	mg/L				1	A1030 E	07/18/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.04					1	A1030 E	07/18/08 00:00/jmh

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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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050406-003
Client Sample ID: DewBurd GW3026

Report Date: 07/30/08
Collection Date: 05/28/08 15:15
Date Received: 05/29/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	166	mg/L		5		1	A2320 B	06/02/08 11:25/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	06/02/08 11:25/mb
Bicarbonate as HCO3	202	mg/L		5		1	A2320 B	06/02/08 11:25/mb
Calcium	407	mg/L		0.5		2	E200.7	06/16/08 17:23/eli-c
Chloride	15	mg/L		1		1	E300.0	05/29/08 15:15/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	05/29/08 15:15/jmh
Magnesium	105	mg/L		0.5		2	E200.7	06/16/08 17:23/eli-c
Nitrogen, Ammonia as N	0.7	mg/L		0.1		1	A4500-NH3 G	06/03/08 13:05/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	05/29/08 15:15/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/29/08 15:15/jmh
Potassium	25.3	mg/L		0.5		2	E200.7	06/16/08 17:23/eli-c
Silica	2.3	mg/L		0.5		2	E200.7	06/16/08 17:23/eli-c
Sodium	209	mg/L	D	2		2	E200.7	06/16/08 17:23/eli-c
Sulfate	1480	mg/L	D	3		50	E300.0	05/29/08 14:58/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	2610	umhos/cm		5.0		1	A2510 B	05/29/08 15:17/tb
Oxidation-Reduction Potential	210	mV				1	A2580 B	06/04/08 00:00/jmh
pH	6.95	s.u.		0.01		1	A4500-H B	05/29/08 14:21/tb
Sodium Adsorption Ratio (SAR)	2.4	unitless		0.10		1	Calculation	07/18/08 18:14/ADM
Solids, Total Dissolved TDS @ 180 C	2400	mg/L		5		1	A2540 C	05/30/08 11:58/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/16/08 17:23/eli-c
Arsenic	0.002	mg/L		0.001		1	E200.8	06/23/08 02:58/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/16/08 17:23/eli-c
Boron	0.2	mg/L		0.1		2	E200.7	06/16/08 17:23/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/23/08 02:58/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/16/08 17:23/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/23/08 02:58/eli-c
Iron	0.23	mg/L		0.03		2	E200.7	06/16/08 17:23/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/23/08 02:58/eli-c
Manganese	0.82	mg/L		0.01		1	E200.8	06/23/08 02:58/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/23/08 02:58/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/16/08 17:23/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/16/08 17:23/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	06/20/08 15:25/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/24/08 13:05/eli-c

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.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050406-003
Client Sample ID: DewBurd GW3026

Report Date: 07/30/08
Collection Date: 05/28/08 15:15
Date Received: 05/29/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	06/23/08 02:58/eli-c
Uranium	0.0281	mg/L		0.0003		1	E200.8	06/23/08 02:58/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/16/08 17:23/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/16/08 17:23/eli-c
METALS - SUSPENDED								
Uranium	0.0013	mg/L		0.0003		1	E200.8	06/26/08 00:41/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/20/08 10:21/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/20/08 16:54/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	92.4	pCi/L				1	E900.0	06/26/08 11:24/eli-c
Gross Alpha precision (±)	10.5	pCi/L				1	E900.0	06/26/08 11:24/eli-c
Gross Alpha MDC	6.9	pCi/L				1	E900.0	06/26/08 11:24/eli-c
Gross Beta	28.3	pCi/L				1	E900.0	06/26/08 11:24/eli-c
Gross Beta precision (±)	5.6	pCi/L				1	E900.0	06/26/08 11:24/eli-c
Gross Beta MDC	8.6	pCi/L				1	E900.0	06/26/08 11:24/eli-c
Lead 210	-0.7	pCi/L	U			1	E909.0M	06/17/08 06:30/eli-c
Lead 210 MDC	8.2	pCi/L				1	E909.0M	06/17/08 06:30/eli-c
Lead 210 precision (±)	4.9	pCi/L				1	E909.0M	06/17/08 06:30/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	06/16/08 18:00/eli-c
Polonium 210 precision (±)	0.80	pCi/L				1	RMO-3008	06/16/08 18:00/eli-c
Radium 226	9.6	pCi/L				1	E903.0	06/16/08 22:01/eli-c
Radium 226 precision (±)	0.6	pCi/L				1	E903.0	06/16/08 22:01/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	06/16/08 13:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/16/08 13:30/eli-c
Gross Gamma	0.0	pCi/L	U	20		1	E901.1	06/04/08 12:00/eli-c
Gross Gamma precision (±)	20	pCi/L				1	E901.1	06/04/08 12:00/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	4.0	pCi/L	U			1	E909.0M	06/11/08 06:30/eli-c
Lead 210 precision (±)	10.6	pCi/L				1	E909.0M	06/11/08 06:30/eli-c
Lead 210 MDC	17.7	pCi/L				1	E909.0M	06/11/08 06:30/eli-c
Polonium 210	-0.1	pCi/L	U	1.0		1	RMO-3008	07/01/08 14:30/eli-c
Polonium 210 precision (±)	0.29	pCi/L				1	RMO-3008	07/01/08 14:30/eli-c
Radium 226	1.2	pCi/L				1	E903.0	06/17/08 09:14/eli-c

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: RESPEC Inc
Project: Edgemont
Lab ID: R08050406-003
Client Sample ID: DewBurd GW3026

Report Date: 07/30/08
Collection Date: 05/28/08 15:15
Date Received: 05/29/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	06/17/08 09:14/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	06/17/08 09:14/eli-c
Thorium 230	0.2	pCi/L	U	0.2		1	E907.0	06/13/08 13:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/13/08 13:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	213	pCi/L		100		1	D5072-92	05/31/08 02:56/eli-c
Radon 222 precision (±)	37.0	pCi/L				1	D5072-92	05/31/08 02:56/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/09/08 02:48/eli-c
Arsenic	0.028	mg/L		0.001		1	E200.8	06/09/08 02:48/eli-c
Barium	ND	mg/L		0.1		1	E200.8	06/09/08 02:48/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	06/09/08 02:48/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	06/05/08 22:08/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/09/08 02:48/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	06/09/08 02:48/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/09/08 02:48/eli-c
Iron	11.1	mg/L		0.03		2	E200.7	06/05/08 22:08/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/09/08 02:48/eli-c
Manganese	0.87	mg/L		0.01		1	E200.8	06/09/08 02:48/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/17/08 11:06/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	06/09/08 02:48/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	06/09/08 02:48/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/09/08 02:48/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/17/08 19:34/eli-c
Strontium	7.0	mg/L		0.1		1	E200.8	06/09/08 02:48/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/09/08 02:48/eli-c
Uranium	0.0322	mg/L		0.0003		1	E200.8	06/09/08 02:48/eli-c
Zinc	0.01	mg/L		0.01		1	E200.8	06/09/08 02:48/eli-c
DATA QUALITY								
A/C Balance (± 5)	5.90	%				1	A1030 E	07/18/08 00:00/jmh
Anions	34.5	meq/L				1	A1030 E	07/18/08 00:00/jmh
Cations	38.8	meq/L				1	A1030 E	07/18/08 00:00/jmh
Solids, Total Dissolved Calculated	2340	mg/L				1	A1030 E	07/18/08 00:00/jmh
TDS Balance (0.80 - 1.20)	1.03					1	A1030 E	07/18/08 00:00/jmh

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: RESPEC Inc
Project: Edgemont
Lab ID: R08050406-004
Client Sample ID: DewBurd GW622

Report Date: 07/30/08
Collection Date: 05/28/08 18:26
Date Received: 05/29/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	178	mg/L		5		1	A2320 B	06/02/08 11:27/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	06/02/08 11:27/mb
Bicarbonate as HCO3	217	mg/L		5		1	A2320 B	06/02/08 11:27/mb
Calcium	97.5	mg/L		0.5		2	E200.7	06/16/08 17:27/eli-c
Chloride	10	mg/L		1		1	E300.0	05/29/08 15:47/jmh
Fluoride	0.4	mg/L		0.1		1	E300.0	05/29/08 15:47/jmh
Magnesium	32.7	mg/L		0.5		2	E200.7	06/16/08 17:27/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	06/03/08 13:06/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	05/29/08 15:47/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/29/08 15:47/jmh
Potassium	10.6	mg/L		0.5		2	E200.7	06/16/08 17:27/eli-c
Silica	4.0	mg/L		0.5		2	E200.7	06/16/08 17:27/eli-c
Sodium	182	mg/L	D	2		2	E200.7	06/16/08 17:27/eli-c
Sulfate	493	mg/L	D	3		50	E300.0	05/29/08 15:31/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1220	umhos/cm		5.0		1	A2510 B	05/29/08 15:18/tb
Oxidation-Reduction Potential	200	mV				1	A2580 B	06/04/08 00:00/jmh
pH	7.52	s.u.		0.01		1	A4500-H B	05/29/08 14:23/tb
Sodium Adsorption Ratio (SAR)	4.1	unitless		0.10		1	Calculation	07/18/08 18:14/ADM
Solids, Total Dissolved TDS @ 180 C	890	mg/L		5		1	A2540 C	05/30/08 12:00/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/16/08 17:27/eli-c
Arsenic	ND	mg/L		0.001		1	E200.8	06/23/08 03:05/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/16/08 17:27/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/16/08 17:27/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/23/08 03:05/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/16/08 17:27/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/23/08 03:05/eli-c
Iron	ND	mg/L		0.03		2	E200.7	06/16/08 17:27/eli-c
Lead	0.001	mg/L		0.001		1	E200.8	06/23/08 03:05/eli-c
Manganese	0.20	mg/L		0.01		2	E200.7	06/16/08 17:27/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/23/08 03:05/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/16/08 17:27/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/16/08 17:27/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	06/20/08 15:27/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/24/08 13:12/eli-c

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

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050406-004
Client Sample ID: DewBurd GW622

Report Date: 07/30/08
Collection Date: 05/28/08 18:26
Date Received: 05/29/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	06/23/08 03:05/eli-c
Uranium	0.0056	mg/L		0.0003		1	E200.8	06/23/08 03:05/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/16/08 17:27/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/16/08 17:27/eli-c
METALS - SUSPENDED								
Uranium	0.0005	mg/L		0.0003		1	E200.8	06/26/08 00:48/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/20/08 10:23/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/20/08 16:54/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	32.6	pCi/L				1	E900.0	06/26/08 11:24/eli-c
Gross Alpha precision (±)	4.0	pCi/L				1	E900.0	06/26/08 11:24/eli-c
Gross Alpha MDC	2.8	pCi/L				1	E900.0	06/26/08 11:24/eli-c
Gross Beta	11.9	pCi/L				1	E900.0	06/26/08 11:24/eli-c
Gross Beta precision (±)	2.1	pCi/L				1	E900.0	06/26/08 11:24/eli-c
Gross Beta MDC	3.2	pCi/L				1	E900.0	06/26/08 11:24/eli-c
Lead 210	1.2	pCi/L	U			1	E909.0M	06/17/08 06:30/eli-c
Lead 210 MDC	8.2	pCi/L				1	E909.0M	06/17/08 06:30/eli-c
Lead 210 precision (±)	4.9	pCi/L				1	E909.0M	06/17/08 06:30/eli-c
Polonium 210	-0.3	pCi/L	U	1.0		1	RMO-3008	06/16/08 18:00/eli-c
Polonium 210 precision (±)	0.70	pCi/L				1	RMO-3008	06/16/08 18:00/eli-c
Radium 226	3.2	pCi/L				1	E903.0	06/16/08 22:01/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	06/16/08 22:01/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	06/16/08 13:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/16/08 13:30/eli-c
Gross Gamma	150	pCi/L		20		1	E901.1	06/04/08 12:00/eli-c
Gross Gamma precision (±)	46	pCi/L				1	E901.1	06/04/08 12:00/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-0.9	pCi/L	U			1	E909.0M	06/11/08 06:30/eli-c
Lead 210 precision (±)	10.5	pCi/L				1	E909.0M	06/11/08 06:30/eli-c
Lead 210 MDC	17.7	pCi/L				1	E909.0M	06/11/08 06:30/eli-c
Polonium 210	2.5	pCi/L		1.0		1	RMO-3008	07/01/08 14:30/eli-c
Polonium 210 precision (±)	1.3	pCi/L				1	RMO-3008	07/01/08 14:30/eli-c
Radium 226	1.0	pCi/L				1	E903.0	06/17/08 09:14/eli-c

Report Definitions:
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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: RESPEC Inc
Project: Edgemont
Lab ID: R08050406-004
Client Sample ID: DewBurd GW622

Report Date: 07/30/08
Collection Date: 05/28/08 18:26
Date Received: 05/29/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	06/17/08 09:14/eli-c
Radium 226 MDC	0.6	pCi/L				1	E903.0	06/17/08 09:14/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	06/13/08 13:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/13/08 13:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	804	pCi/L		100		1	D5072-92	05/31/08 02:56/eli-c
Radon 222 precision (±)	43.3	pCi/L				1	D5072-92	05/31/08 02:56/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/09/08 02:55/eli-c
Arsenic	0.006	mg/L		0.001		1	E200.8	06/09/08 02:55/eli-c
Barium	0.2	mg/L		0.1		1	E200.8	06/09/08 02:55/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	06/09/08 02:55/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	06/05/08 22:48/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/09/08 02:55/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	06/09/08 02:55/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/09/08 02:55/eli-c
Iron	10.7	mg/L		0.03		2	E200.7	06/05/08 22:48/eli-c
Lead	0.023	mg/L		0.001		1	E200.8	06/09/08 02:55/eli-c
Manganese	0.25	mg/L		0.01		1	E200.8	06/09/08 02:55/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/17/08 11:13/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	06/09/08 02:55/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	06/09/08 02:55/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/09/08 02:55/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/17/08 19:41/eli-c
Strontium	1.6	mg/L		0.1		1	E200.8	06/09/08 02:55/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/09/08 02:55/eli-c
Uranium	0.0068	mg/L		0.0003		1	E200.8	06/09/08 02:55/eli-c
Zinc	0.25	mg/L		0.01		1	E200.8	06/09/08 02:55/eli-c
DATA QUALITY								
A/C Balance (± 5)	5.53	%				1	A1030 E	07/18/08 00:00/jmh
Anions	14.1	meq/L				1	A1030 E	07/18/08 00:00/jmh
Cations	15.8	meq/L				1	A1030 E	07/18/08 00:00/jmh
Solids, Total Dissolved Calculated	944	mg/L				1	A1030 E	07/18/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.950					1	A1030 E	07/18/08 00:00/jmh

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: RESPEC Inc
Project: Edgemont
Lab ID: R08050406-005
Client Sample ID: DewBurd GW615

Report Date: 07/30/08
Collection Date: 05/28/08 19:20
Date Received: 05/29/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	138	mg/L		5		1	A2320 B	06/02/08 11:30/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	06/02/08 11:30/mb
Bicarbonate as HCO3	168	mg/L		5		1	A2320 B	06/02/08 11:30/mb
Calcium	79.2	mg/L		0.5		2	E200.7	06/16/08 17:31/eli-c
Chloride	5	mg/L		1		1	E300.0	05/29/08 16:20/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	05/29/08 16:20/jmh
Magnesium	23.2	mg/L		0.5		2	E200.7	06/16/08 17:31/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	06/03/08 13:07/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	05/29/08 16:20/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/29/08 16:20/jmh
Potassium	9.0	mg/L		0.5		2	E200.7	06/16/08 17:31/eli-c
Silica	4.4	mg/L		0.5		2	E200.7	06/16/08 17:31/eli-c
Sodium	134	mg/L	D	2		2	E200.7	06/16/08 17:31/eli-c
Sulfate	399	mg/L	D	3		50	E300.0	05/29/08 16:04/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1050	umhos/cm		5.0		1	A2510 B	05/29/08 15:20/tb
Oxidation-Reduction Potential	200	mV				1	A2580 B	06/04/08 00:00/jmh
pH	7.16	s.u.		0.01		1	A4500-H B	05/29/08 14:25/tb
Sodium Adsorption Ratio (SAR)	3.4	unitless		0.10		1	Calculation	07/18/08 18:14/ADM
Solids, Total Dissolved TDS @ 180 C	710	mg/L		5		1	A2540 C	05/30/08 12:01/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/16/08 17:31/eli-c
Arsenic	0.013	mg/L		0.001		1	E200.8	06/23/08 03:12/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/16/08 17:31/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/16/08 17:31/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/23/08 03:12/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/16/08 17:31/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/23/08 03:12/eli-c
Iron	0.10	mg/L		0.03		2	E200.7	06/16/08 17:31/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/23/08 03:12/eli-c
Manganese	0.07	mg/L		0.01		1	E200.8	06/23/08 03:12/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/23/08 03:12/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/16/08 17:31/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/16/08 17:31/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	06/20/08 15:29/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/24/08 13:19/eli-c

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.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050406-005
Client Sample ID: DewBurd GW615

Report Date: 07/30/08
Collection Date: 05/28/08 19:20
Date Received: 05/29/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	06/23/08 03:12/eli-c
Uranium	0.0024	mg/L		0.0003		1	E200.8	06/23/08 03:12/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/16/08 17:31/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/16/08 17:31/eli-c
METALS - SUSPENDED								
Uranium	ND	mg/L		0.0003		1	E200.8	06/26/08 00:55/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/20/08 10:25/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/20/08 16:54/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	15.3	pCi/L				1	E900.0	06/27/08 00:01/eli-c
Gross Alpha precision (±)	2.5	pCi/L				1	E900.0	06/27/08 00:01/eli-c
Gross Alpha MDC	2.1	pCi/L				1	E900.0	06/27/08 00:01/eli-c
Gross Beta	3.7	pCi/L				1	E900.0	06/27/08 00:01/eli-c
Gross Beta precision (±)	1.8	pCi/L				1	E900.0	06/27/08 00:01/eli-c
Gross Beta MDC	2.8	pCi/L				1	E900.0	06/27/08 00:01/eli-c
Lead 210	3.8	pCi/L	U			1	E909.0M	06/17/08 06:30/eli-c
Lead 210 MDC	8.2	pCi/L				1	E909.0M	06/17/08 06:30/eli-c
Lead 210 precision (±)	4.9	pCi/L				1	E909.0M	06/17/08 06:30/eli-c
Polonium 210	-0.1	pCi/L	U	1.0		1	RMO-3008	06/16/08 18:00/eli-c
Polonium 210 precision (±)	0.60	pCi/L				1	RMO-3008	06/16/08 18:00/eli-c
Radium 226	2.0	pCi/L				1	E903.0	06/16/08 22:01/eli-c
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	06/16/08 22:01/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	06/16/08 13:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/16/08 13:30/eli-c
Gross Gamma	170	pCi/L		20		1	E901.1	06/04/08 12:00/eli-c
Gross Gamma precision (±)	46	pCi/L				1	E901.1	06/04/08 12:00/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	1.5	pCi/L	U			1	E909.0M	06/11/08 06:30/eli-c
Lead 210 precision (±)	10.5	pCi/L				1	E909.0M	06/11/08 06:30/eli-c
Lead 210 MDC	17.7	pCi/L				1	E909.0M	06/11/08 06:30/eli-c
Polonium 210	0.0	pCi/L	U	1.0		1	RMO-3008	06/25/08 17:27/eli-c
Polonium 210 precision (±)	0.43	pCi/L				1	RMO-3008	06/25/08 17:27/eli-c
Radium 226	0.2	pCi/L	U			1	E903.0	06/17/08 09:14/eli-c

Report Definitions:
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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: RESPEC Inc
Project: Edgemont
Lab ID: R08050406-005
Client Sample ID: DewBurd GW615

Report Date: 07/30/08
Collection Date: 05/28/08 19:20
Date Received: 05/29/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.3	pCi/L				1	E903.0	06/17/08 09:14/eli-c
Radium 226 MDC	0.6	pCi/L				1	E903.0	06/17/08 09:14/eli-c
Thorium 230	0.1	pCi/L	U	0.2		1	E907.0	06/13/08 13:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/13/08 13:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	1070	pCi/L		100		1	D5072-92	05/31/08 02:56/eli-c
Radon 222 precision (±)	45.9	pCi/L				1	D5072-92	05/31/08 02:56/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/09/08 03:02/eli-c
Arsenic	0.024	mg/L		0.001		1	E200.8	06/09/08 03:02/eli-c
Barium	ND	mg/L		0.1		1	E200.8	06/09/08 03:02/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	06/09/08 03:02/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	06/05/08 22:53/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/09/08 03:02/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	06/09/08 03:02/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/09/08 03:02/eli-c
Iron	1.40	mg/L		0.03		2	E200.7	06/05/08 22:53/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/09/08 03:02/eli-c
Manganese	0.07	mg/L		0.01		1	E200.8	06/09/08 03:02/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/17/08 11:15/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	06/09/08 03:02/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	06/09/08 03:02/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/09/08 03:02/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/17/08 19:48/eli-c
Strontium	1.4	mg/L		0.1		1	E200.8	06/09/08 03:02/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/09/08 03:02/eli-c
Uranium	0.0025	mg/L		0.0003		1	E200.8	06/09/08 03:02/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	06/09/08 03:02/eli-c
DATA QUALITY								
A/C Balance (± 5)	3.00	%				1	A1030 E	07/18/08 00:00/jmh
Anions	11.2	meq/L				1	A1030 E	07/18/08 00:00/jmh
Cations	11.9	meq/L				1	A1030 E	07/18/08 00:00/jmh
Solids, Total Dissolved Calculated	745	mg/L				1	A1030 E	07/18/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.950					1	A1030 E	07/18/08 00:00/jmh

Report Definitions:
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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: RESPEC Inc
Project: Edgemont
Lab ID: R08050406-006
Client Sample ID: DewBurd GW689

Report Date: 07/30/08
Collection Date: 05/28/08 22:25
Date Received: 05/29/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
MAJOR IONS								
Alkalinity, Total as CaCO3	148	mg/L		5		1	A2320 B	06/02/08 11:40/mb
Carbonate as CO3	ND	mg/L		5		1	A2320 B	06/02/08 11:40/mb
Bicarbonate as HCO3	180	mg/L		5		1	A2320 B	06/02/08 11:40/mb
Calcium	49.2	mg/L		0.5		2	E200.7	06/16/08 17:35/eli-c
Chloride	5	mg/L		1		1	E300.0	05/29/08 17:59/jmh
Fluoride	0.5	mg/L		0.1		1	E300.0	05/29/08 17:59/jmh
Magnesium	16.4	mg/L		0.5		2	E200.7	06/16/08 17:35/eli-c
Nitrogen, Ammonia as N	ND	mg/L		0.1		1	A4500-NH3 G	06/03/08 13:09/jmh
Nitrogen, Nitrate as N	ND	mg/L		0.1		1	E300.0	05/29/08 17:59/jmh
Nitrogen, Nitrite as N	ND	mg/L		0.1		1	E300.0	05/29/08 17:59/jmh
Potassium	8.1	mg/L		0.5		2	E200.7	06/16/08 17:35/eli-c
Silica	4.6	mg/L		0.5		2	E200.7	06/16/08 17:35/eli-c
Sodium	184	mg/L	D	2		2	E200.7	06/16/08 17:35/eli-c
Sulfate	400	mg/L	D	3		50	E300.0	05/29/08 17:10/jmh
PHYSICAL PROPERTIES								
Conductivity @ 25 C	1010	umhos/cm		5.0		1	A2510 B	05/29/08 15:23/tb
Oxidation-Reduction Potential	210	mV				1	A2580 B	06/04/08 00:00/jmh
pH	7.80	s.u.		0.01		1	A4500-H B	05/29/08 14:26/tb
Sodium Adsorption Ratio (SAR)	5.8	unitless		0.10		1	Calculation	07/18/08 18:14/ADM
Solids, Total Dissolved TDS @ 180 C	730	mg/L		5		1	A2540 C	05/30/08 12:02/mb
METALS - DISSOLVED								
Aluminum	ND	mg/L		0.1		2	E200.7	06/16/08 17:35/eli-c
Arsenic	0.001	mg/L		0.001		1	E200.8	06/23/08 03:19/eli-c
Barium	ND	mg/L		0.1		2	E200.7	06/16/08 17:35/eli-c
Boron	ND	mg/L		0.1		2	E200.7	06/16/08 17:35/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/23/08 03:19/eli-c
Chromium	ND	mg/L		0.05		2	E200.7	06/16/08 17:35/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/23/08 03:19/eli-c
Iron	ND	mg/L		0.03		2	E200.7	06/16/08 17:35/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/23/08 03:19/eli-c
Manganese	0.04	mg/L		0.01		2	E200.7	06/16/08 17:35/eli-c
Mercury	ND	mg/L		0.001		1	E200.8	06/23/08 03:19/eli-c
Molybdenum	ND	mg/L		0.1		2	E200.7	06/16/08 17:35/eli-c
Nickel	ND	mg/L		0.05		2	E200.7	06/16/08 17:35/eli-c
Selenium	ND	mg/L		0.001		1	A3114 B	06/20/08 15:31/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/24/08 13:26/eli-c

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.
D - RL increased due to sample matrix interference.

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LABORATORY ANALYTICAL REPORT

Client: RESPEC Inc
Project: Edgemont
Lab ID: R08050406-006
Client Sample ID: DewBurd GW689

Report Date: 07/30/08
Collection Date: 05/28/08 22:25
Date Received: 05/29/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
METALS - DISSOLVED								
Thorium 232	ND	mg/L		0.005		1	E200.8	06/23/08 03:19/eli-c
Uranium	0.0043	mg/L		0.0003		1	E200.8	06/23/08 03:19/eli-c
Vanadium	ND	mg/L		0.1		2	E200.7	06/16/08 17:35/eli-c
Zinc	ND	mg/L		0.01		2	E200.7	06/16/08 17:35/eli-c
METALS - SUSPENDED								
Uranium	0.0004	mg/L		0.0003		1	E200.8	06/26/08 01:01/eli-c
METALS - SPECIATED								
Selenium-IV	ND	mg/L		0.001		1	A3114 B	06/20/08 10:27/eli-c
Selenium-VI	ND	mg/L		0.001		1	A3114 B	06/20/08 16:54/eli-c
RADIONUCLIDES - DISSOLVED								
Gross Alpha	34.9	pCi/L				1	E900.0	06/27/08 00:01/eli-c
Gross Alpha precision (±)	3.6	pCi/L				1	E900.0	06/27/08 00:01/eli-c
Gross Alpha MDC	2.2	pCi/L				1	E900.0	06/27/08 00:01/eli-c
Gross Beta	12.2	pCi/L				1	E900.0	06/27/08 00:01/eli-c
Gross Beta precision (±)	1.9	pCi/L				1	E900.0	06/27/08 00:01/eli-c
Gross Beta MDC	2.9	pCi/L				1	E900.0	06/27/08 00:01/eli-c
Lead 210	6.3	pCi/L	U			1	E909.0M	06/17/08 06:30/eli-c
Lead 210 MDC	8.2	pCi/L				1	E909.0M	06/17/08 06:30/eli-c
Lead 210 precision (±)	5.0	pCi/L				1	E909.0M	06/17/08 06:30/eli-c
Polonium 210	-0.4	pCi/L	U	1.0		1	RMO-3008	06/16/08 18:00/eli-c
Polonium 210 precision (±)	0.10	pCi/L				1	RMO-3008	06/16/08 18:00/eli-c
Radium 226	5.7	pCi/L				1	E903.0	06/16/08 22:01/eli-c
Radium 226 precision (±)	0.5	pCi/L				1	E903.0	06/16/08 22:01/eli-c
Thorium 230	0.0	pCi/L	U	0.2		1	E907.0	06/16/08 13:30/eli-c
Thorium 230 precision (±)	0.1	pCi/L				1	E907.0	06/16/08 13:30/eli-c
Gross Gamma	150	pCi/L		20		1	E901.1	06/04/08 12:00/eli-c
Gross Gamma precision (±)	40	pCi/L				1	E901.1	06/04/08 12:00/eli-c
RADIONUCLIDES - SUSPENDED								
Lead 210	-2	pCi/L	U			1	E909.0M	06/11/08 06:30/eli-c
Lead 210 precision (±)	10.5	pCi/L				1	E909.0M	06/11/08 06:30/eli-c
Lead 210 MDC	17.7	pCi/L				1	E909.0M	06/11/08 06:30/eli-c
Polonium 210	0.2	pCi/L	U	1.0		1	RMO-3008	06/25/08 17:27/eli-c
Polonium 210 precision (±)	0.43	pCi/L				1	RMO-3008	06/25/08 17:27/eli-c
Radium 226	0.5	pCi/L	U			1	E903.0	06/17/08 09:14/eli-c

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: RESPEC Inc
Project: Edgemont
Lab ID: R08050406-006
Client Sample ID: DewBurd GW689

Report Date: 07/30/08
Collection Date: 05/28/08 22:25
Date Received: 05/29/08
Matrix: AQUEOUS

Analyses	Result	Units	Qual	RL	MCL/ QCL	DF	Method	Analysis Date / By
RADIONUCLIDES - SUSPENDED								
Radium 226 precision (±)	0.4	pCi/L				1	E903.0	06/17/08 09:14/eli-c
Radium 226 MDC	0.5	pCi/L				1	E903.0	06/17/08 09:14/eli-c
Thorium 230	0.4	pCi/L		0.2		1	E907.0	06/13/08 13:30/eli-c
Thorium 230 precision (±)	0.3	pCi/L				1	E907.0	06/13/08 13:30/eli-c
RADIONUCLIDES - TOTAL								
Radon 222	1390	pCi/L		100		1	D5072-92	05/31/08 02:56/eli-c
Radon 222 precision (±)	48.3	pCi/L				1	D5072-92	05/31/08 02:56/eli-c
TOTAL METALS ANALYSES								
Antimony	ND	mg/L		0.003		1	E200.8	06/09/08 03:08/eli-c
Arsenic	0.004	mg/L		0.001		1	E200.8	06/09/08 03:08/eli-c
Barium	ND	mg/L		0.1		1	E200.8	06/09/08 03:08/eli-c
Beryllium	ND	mg/L		0.001		1	E200.8	06/09/08 03:08/eli-c
Boron	0.1	mg/L		0.1		2	E200.7	06/05/08 22:57/eli-c
Cadmium	ND	mg/L		0.005		1	E200.8	06/09/08 03:08/eli-c
Chromium	ND	mg/L		0.05		1	E200.8	06/09/08 03:08/eli-c
Copper	ND	mg/L		0.01		1	E200.8	06/09/08 03:08/eli-c
Iron	1.33	mg/L		0.03		2	E200.7	06/05/08 22:57/eli-c
Lead	ND	mg/L		0.001		1	E200.8	06/09/08 03:08/eli-c
Manganese	0.08	mg/L		0.01		1	E200.8	06/09/08 03:08/eli-c
Mercury	ND	mg/L		0.0001		1	E245.1	06/17/08 11:17/eli-b
Molybdenum	ND	mg/L		0.1		1	E200.8	06/09/08 03:08/eli-c
Nickel	ND	mg/L		0.05		1	E200.8	06/09/08 03:08/eli-c
Selenium	ND	mg/L		0.001		1	E200.8	06/09/08 03:08/eli-c
Silver	ND	mg/L		0.005		1	E200.8	06/17/08 19:55/eli-c
Strontium	1.0	mg/L		0.1		1	E200.8	06/09/08 03:08/eli-c
Thallium	ND	mg/L		0.001		1	E200.8	06/09/08 03:08/eli-c
Uranium	0.0117	mg/L		0.0003		1	E200.8	06/09/08 03:08/eli-c
Zinc	ND	mg/L		0.01		1	E200.8	06/09/08 03:08/eli-c
DATA QUALITY								
A/C Balance (± 5)	2.36	%				1	A1030 E	07/18/08 00:00/jmh
Anions	11.5	meq/L				1	A1030 E	07/18/08 00:00/jmh
Cations	12.0	meq/L				1	A1030 E	07/18/08 00:00/jmh
Solids, Total Dissolved Calculated	764	mg/L				1	A1030 E	07/18/08 00:00/jmh
TDS Balance (0.80 - 1.20)	0.950					1	A1030 E	07/18/08 00:00/jmh

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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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050406

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2320 B								Batch: 080602A-ALK-SEL-W	
Sample ID: LCS1_080602A	Laboratory Control Sample				Run: PH_COND1-R_080602A			06/02/08 10:56	
Alkalinity, Total as CaCO3	960	mg/L	5.0	96	90	110			
Sample ID: MBLK1_080602A	Method Blank				Run: PH_COND1-R_080602A			06/02/08 12:28	
Alkalinity, Total as CaCO3	ND	mg/L	3						
Sample ID: R08050406-005AMS	Sample Matrix Spike				Run: PH_COND1-R_080602A			06/02/08 11:35	
Alkalinity, Total as CaCO3	242	mg/L	5.0	98	80	120			
Sample ID: R08050406-005AMSD	Sample Matrix Spike Duplicate				Run: PH_COND1-R_080602A			06/02/08 11:38	
Alkalinity, Total as CaCO3	244	mg/L	5.0	100	80	120	0.8	10	
Method: A2510 B								Batch: 080529_1_COND-PROBE-W	
Sample ID: LCS_COND-1_080529	Laboratory Control Sample				Run: PH_COND2-R_080529C			05/29/08 15:04	
Conductivity @ 25 C	1390	umhos/cm	5.0	98	90	110			
Sample ID: LCS1-1_080529	Laboratory Control Sample				Run: PH_COND2-R_080529C			05/29/08 15:02	
Conductivity @ 25 C	153	umhos/cm	5.0	102	90	110			
Sample ID: LCS2-1_080529	Laboratory Control Sample				Run: PH_COND2-R_080529C			05/29/08 15:01	
Conductivity @ 25 C	4890	umhos/cm	5.0	98	90	110			
Sample ID: R08050406-005ADUP	Sample Duplicate				Run: PH_COND2-R_080529C			05/29/08 15:22	
Conductivity @ 25 C	1040	umhos/cm	5.0				1.0	10	
Method: A2540 C								Batch: 080530A-SLDS-TDS-W	
Sample ID: LCS1_080530A	Laboratory Control Sample				Run: BAL-4-R_080530A			05/30/08 11:44	
Solids, Total Dissolved TDS @ 180 C	220	mg/L	5.0	108	90	110			
Sample ID: MBLK1_080530A	Method Blank				Run: BAL-4-R_080530A			05/30/08 11:45	
Solids, Total Dissolved TDS @ 180 C	ND	mg/L	3						
Sample ID: R08050406-003AMS	Sample Matrix Spike				Run: BAL-4-R_080530A			05/30/08 11:59	
Solids, Total Dissolved TDS @ 180 C	2700	mg/L	5.0	147	80	120			S
Sample ID: R08050406-003AMSD	Sample Matrix Spike Duplicate				Run: BAL-4-R_080530A			05/30/08 12:00	
Solids, Total Dissolved TDS @ 180 C	2700	mg/L	5.0	135	80	120	0.9	10	S

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050406

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A2580 B								Batch: 080604-ORP-ISE-W	
Sample ID: LCS	Laboratory Control Sample				Run: PH_COND1-R_080604B			06/04/08 00:00	
Oxidation-Reduction Potential	470	mV		100	95	105			
Sample ID: R08050406-001F	Sample Duplicate				Run: PH_COND1-R_080604B			06/04/08 00:00	
Oxidation-Reduction Potential	210	mV					3.2	10	
Method: A3114 B								Batch: C_SE3114-080620A	
Sample ID: 288-92-2	Laboratory Control Sample				Run: SUB-C102993			06/20/08 10:11	
Selenium-IV	0.049	mg/L	0.0010	99	90	110			
Sample ID: R08050356-001A	Sample Matrix Spike				Run: SUB-C102993			06/20/08 10:45	
Selenium-IV	0.069	mg/L	0.0010	137	85	115			S
Sample ID: R08050356-001A	Sample Matrix Spike Duplicate				Run: SUB-C102993			06/20/08 10:48	
Selenium-IV	0.075	mg/L	0.0010	151	85	115	9.3	10	S
Method: A3114 B								Batch: C_SE3114-080620C	
Sample ID: MBLK	Method Blank				Run: SUB-C103018			06/20/08 15:10	
Selenium	ND	mg/L	6E-05						
Sample ID: 288-92-2	Laboratory Control Sample				Run: SUB-C103018			06/20/08 15:14	
Selenium	0.049	mg/L	0.0010	99	90	110			
Sample ID: R08050356-001A	Sample Matrix Spike				Run: SUB-C103018			06/20/08 15:48	
Selenium	0.073	mg/L	0.0010	146	85	115			S
Sample ID: R08050356-001A	Sample Matrix Spike Duplicate				Run: SUB-C103018			06/20/08 15:50	
Selenium	0.073	mg/L	0.0010	145	85	115	0.0	10	S
Method: A4500-H B								Batch: 080529_1_PH-W	
Sample ID: LCS_pH-1_080529	Laboratory Control Sample				Run: PH_COND2-R_080529A			05/29/08 14:07	
pH	6.92	s.u.	0.010	101	98.55	101.45			
Sample ID: R08050406-003ADUP	Sample Duplicate				Run: PH_COND2-R_080529A			05/29/08 14:24	
pH	6.99	s.u.	0.010				0.6	1.25	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050406

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-NH3 G								Batch: A2008-06-03_2_NH3_01	
Sample ID: MBLK-2	Method Blank				Run: TECHAA2-R_080603A			06/03/08 11:58	
Nitrogen, Ammonia as N	ND	mg/L	0.01						
Sample ID: LFB-3	Laboratory Fortified Blank				Run: TECHAA2-R_080603A			06/03/08 12:01	
Nitrogen, Ammonia as N	0.24	mg/L	0.10	98	90	110			
Sample ID: LFB-4	Laboratory Fortified Blank				Run: TECHAA2-R_080603A			06/03/08 12:14	
Nitrogen, Ammonia as N	0.24	mg/L	0.10	98	90	110			
Sample ID: R08050406-001BMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080603A			06/03/08 13:03	
Nitrogen, Ammonia as N	0.45	mg/L	0.10	110	80	120			
Sample ID: R08050419-001BMS	Sample Matrix Spike				Run: TECHAA2-R_080603A			06/03/08 13:13	
Nitrogen, Ammonia as N	0.48	mg/L	0.10	104	80	120			
Sample ID: R08050419-001BMSD	Sample Matrix Spike Duplicate				Run: TECHAA2-R_080603A			06/03/08 13:14	
Nitrogen, Ammonia as N	0.45	mg/L	0.10	90	80	120	7.5	10	

Qualifiers:

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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050406

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7									Batch: C_R102753
Sample ID: MB-080616A	Method Blank				Run: SUB-C102753				06/16/08 15:33
Silica	ND	mg/L	0.02						
Aluminum	0.01	mg/L	0.004						
Barium	ND	mg/L	0.006						
Boron	0.02	mg/L	0.008						
Calcium	ND	mg/L	0.1						
Chromium	ND	mg/L	0.002						
Iron	ND	mg/L	0.005						
Magnesium	ND	mg/L	0.04						
Manganese	ND	mg/L	0.0003						
Molybdenum	0.005	mg/L	0.003						
Nickel	ND	mg/L	0.004						
Potassium	ND	mg/L	0.02						
Sodium	ND	mg/L	0.8						
Vanadium	ND	mg/L	0.003						
Zinc	0.002	mg/L	0.002						
Sample ID: LFB-080616A	Laboratory Fortified Blank				Run: SUB-C102753				06/16/08 15:37
Silica	0.37	mg/L	0.10	92	85	125			
Aluminum	0.99	mg/L	0.10	98	85	125			
Barium	1.0	mg/L	0.10	101	85	125			
Boron	1.00	mg/L	0.10	98	85	125			
Calcium	53	mg/L	0.50	105	85	125			
Chromium	1.0	mg/L	0.050	101	85	125			
Iron	1.1	mg/L	0.030	111	85	125			
Magnesium	52	mg/L	0.50	104	85	125			
Manganese	1.0	mg/L	0.010	102	85	125			
Molybdenum	0.98	mg/L	0.10	98	85	125			
Nickel	1.0	mg/L	0.050	100	85	125			
Potassium	46	mg/L	0.50	91	85	125			
Sodium	51	mg/L	0.77	102	85	125			
Vanadium	1.0	mg/L	0.10	104	85	125			
Zinc	1.0	mg/L	0.010	100	85	125			
Sample ID: C08060096-002CMS2	Sample Matrix Spike				Run: SUB-C102753				06/16/08 18:08
Aluminum	1.95	mg/L	0.10	98	70	130			
Barium	2.08	mg/L	0.10	104	70	130			
Boron	2.10	mg/L	0.10	102	70	130			
Chromium	2.09	mg/L	0.050	104	70	130			
Iron	2.14	mg/L	0.030	106	70	130			
Manganese	2.13	mg/L	0.010	103	70	130			
Molybdenum	2.00	mg/L	0.10	100	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050406

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.7								Batch: C_R102753	
Sample ID: C08060096-002CMS2	Sample Matrix Spike				Run: SUB-C102753			06/16/08 18:08	
Nickel	2.06	mg/L	0.050	103	70	130			
Vanadium	2.12	mg/L	0.10	104	70	130			
Zinc	2.10	mg/L	0.010	104	70	130			
Calcium	141	mg/L	1.0	102	70	130			
Magnesium	117	mg/L	1.0	104	70	130			
Potassium	98.4	mg/L	1.0	92	70	130			
Silica	4.58	mg/L	0.10		70	130			A
Sodium	372	mg/L	1.5	95	70	130			
Sample ID: C08060096-002CMSD2	Sample Matrix Spike Duplicate				Run: SUB-C102753			06/16/08 18:12	
Aluminum	1.98	mg/L	0.10	99	70	130	1.6	20	
Barium	2.12	mg/L	0.10	106	70	130	2.0	20	
Boron	2.16	mg/L	0.10	105	70	130	2.9	20	
Chromium	2.13	mg/L	0.050	106	70	130	1.9	20	
Iron	2.16	mg/L	0.030	108	70	130	1.2	20	
Manganese	2.17	mg/L	0.010	105	70	130	1.9	20	
Molybdenum	2.06	mg/L	0.10	103	70	130	3.2	20	
Nickel	2.12	mg/L	0.050	106	70	130	2.4	20	
Vanadium	2.21	mg/L	0.10	108	70	130	4.1	20	
Zinc	2.15	mg/L	0.010	106	70	130	2.4	20	
Calcium	145	mg/L	1.0	106	70	130	2.7	20	
Magnesium	121	mg/L	1.0	107	70	130	2.7	20	
Potassium	99.1	mg/L	1.0	92	70	130	0.7	20	
Silica	4.65	mg/L	0.10		70	130	1.3	20	A
Sodium	369	mg/L	1.5	92	70	130	0.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050406

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R103038
Sample ID: LRB	Method Blank				Run: SUB-C103038				06/22/08 13:02
Arsenic	ND	mg/L	6E-05						
Cadmium	2E-05	mg/L	1E-05						
Copper	ND	mg/L	7E-05						
Lead	ND	mg/L	3E-05						
Manganese	ND	mg/L	5E-05						
Mercury	ND	mg/L	8E-05						
Thorium 232	8E-05	mg/L	4E-05						
Uranium	ND	mg/L	1E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C103038				06/22/08 14:35
Arsenic	0.0517	mg/L	0.0010	103	85	115			
Cadmium	0.0524	mg/L	0.0010	105	85	115			
Copper	0.0516	mg/L	0.0010	103	85	115			
Lead	0.0527	mg/L	0.0010	105	85	115			
Manganese	0.0530	mg/L	0.0010	106	85	115			
Mercury	0.00507	mg/L	0.0010	101	85	115			
Thorium 232	0.0520	mg/L	0.0010	104	85	115			
Uranium	0.0525	mg/L	0.00030	105	85	115			
Sample ID: R08050419-003C	Post Digestion Spike				Run: SUB-C103038				06/22/08 19:53
Arsenic	0.0536	mg/L	0.0010	106	70	130			
Cadmium	0.0507	mg/L	0.010	101	70	130			
Copper	0.0505	mg/L	0.010	100	70	130			
Lead	0.0543	mg/L	0.050	109	70	130			
Manganese	0.136	mg/L	0.010	100	70	130			
Mercury	0.00517	mg/L	0.0010	103	70	130			
Thorium 232	0.0561	mg/L	0.0010	112	70	130			
Uranium	0.0558	mg/L	0.00030	111	70	130			
Sample ID: R08050419-003C	Post Digestion Spike Duplicate				Run: SUB-C103038				06/22/08 20:00
Arsenic	0.0548	mg/L	0.0010	108	70	130	2.2	20	
Cadmium	0.0519	mg/L	0.010	104	70	130	2.3	20	
Copper	0.0510	mg/L	0.010	101	70	130	0.8	20	
Lead	0.0549	mg/L	0.050	110	70	130	1.2	20	
Manganese	0.138	mg/L	0.010	103	70	130	0.9	20	
Mercury	0.00531	mg/L	0.0010	106	70	130	2.7	20	
Thorium 232	0.0571	mg/L	0.0010	114	70	130	1.8	20	
Uranium	0.0567	mg/L	0.00030	113	70	130	1.7	20	
Sample ID: C08060423-001BMS	Sample Matrix Spike				Run: SUB-C103038				06/23/08 02:04
Arsenic	0.0502	mg/L	0.0010	91	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050406

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8									Batch: C_R103038
Sample ID: C08060423-001BMS	Sample Matrix Spike				Run: SUB-C103038				06/23/08 02:04
Cadmium	0.0433	mg/L	0.0010	87	70	130			
Copper	0.0491	mg/L	0.0010	95	70	130			
Lead	0.0532	mg/L	0.0010	105	70	130			
Manganese	0.0789	mg/L	0.0010	93	70	130			
Mercury	0.00506	mg/L	0.0010	101	70	130			
Thorium 232	0.0551	mg/L	0.0010	109	70	130			
Uranium	0.0552	mg/L	0.00030	110	70	130			
Sample ID: C08060423-001BMSD	Sample Matrix Spike Duplicate				Run: SUB-C103038				06/23/08 02:11
Arsenic	0.0527	mg/L	0.0010	96	70	130	4.9	20	
Cadmium	0.0451	mg/L	0.0010	90	70	130	4.1	20	
Copper	0.0526	mg/L	0.0010	102	70	130	6.9	20	
Lead	0.0559	mg/L	0.0010	110	70	130	4.9	20	
Manganese	0.0827	mg/L	0.0010	101	70	130	4.7	20	
Mercury	0.00530	mg/L	0.0010	106	70	130	4.7	20	
Thorium 232	0.0588	mg/L	0.0010	117	70	130	6.5	20	
Uranium	0.0583	mg/L	0.00030	116	70	130	5.5	20	
Method: E200.8									Batch: C_R103200
Sample ID: LRB	Method Blank				Run: SUB-C103200				06/24/08 11:37
Manganese	ND	mg/L	5E-05						
Silver	ND	mg/L	3E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: SUB-C103200				06/24/08 11:44
Manganese	0.0499	mg/L	0.0010	100	85	115			
Silver	0.0200	mg/L	0.0010	100	85	115			
Sample ID: C08060096-004CMS4	Post Digestion Spike				Run: SUB-C103200				06/24/08 13:59
Manganese	1.01	mg/L	0.010		70	130			A
Silver	0.0131	mg/L	0.010	66	70	130			S
Sample ID: C08060096-004CMSD4	Post Digestion Spike Duplicate				Run: SUB-C103200				06/24/08 14:26
Manganese	0.994	mg/L	0.010		70	130	1.9	20	A
Silver	0.0127	mg/L	0.010	63	70	130	3.6	20	S

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

S - Spike recovery outside of advisory limits.

ENERGY LABORATORIES, INC. • 2821 Plant Street • Rapid City, SD 57702 • www.energylab.com
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QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050406

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E245.1									Batch: C_B_33012
Sample ID: B08060960-003CMS	Sample Matrix Spike				Run: SUB-C102832				06/17/08 09:36
Mercury	0.0019	mg/L	0.0010	90	70	130			
Sample ID: B08060960-003CMSD	Sample Matrix Spike Duplicate				Run: SUB-C102832				06/17/08 09:39
Mercury	0.0020	mg/L	0.0010	95	70	130	4.7	30	
Sample ID: MB-33012	Method Blank				Run: SUB-C102832				06/17/08 09:25
Mercury	ND	mg/L	5E-05						
Sample ID: LFB-33012	Laboratory Fortified Blank				Run: SUB-C102832				06/17/08 09:28
Mercury	0.0017	mg/L	0.0010	86	85	115			
Sample ID: B08060966-003BMS	Sample Matrix Spike				Run: SUB-C102832				06/17/08 11:27
Mercury	0.0017	mg/L	0.0010	86	70	130			
Sample ID: B08060966-003BMSD	Sample Matrix Spike Duplicate				Run: SUB-C102832				06/17/08 11:29
Mercury	0.0017	mg/L	0.0010	83	70	130	3.6	30	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050406

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0									Batch: R35055
Sample ID: LFB0805292120-1	Laboratory Fortified Blank				Run: DIONEX_080530A				05/29/08 12:14
Chloride	4.69	mg/L	0.50	94	90	110			
Fluoride	1.81	mg/L	0.10	91	90	110			
Nitrogen, Nitrate as N	2.25	mg/L	0.10	90	90	110			
Nitrogen, Nitrite as N	2.34	mg/L	0.10	94	90	110			
Sulfate	13.5	mg/L	1.0	90	90	110			
Sample ID: LFB0805292120-4	Laboratory Fortified Blank				Run: DIONEX_080530A				05/29/08 13:03
Chloride	4.87	mg/L	0.50	97	90	110			
Fluoride	1.84	mg/L	0.10	92	90	110			
Nitrogen, Nitrate as N	2.33	mg/L	0.10	93	90	110			
Nitrogen, Nitrite as N	2.42	mg/L	0.10	97	90	110			
Sulfate	13.9	mg/L	1.0	93	90	110			
Sample ID: R08050406-001AMS	Sample Matrix Spike				Run: DIONEX_080530A				05/29/08 13:36
Chloride	252	mg/L	5.4	86	80	120			
Fluoride	92.0	mg/L	0.56	85	80	120			
Nitrogen, Nitrate as N	116	mg/L	1.3	93	80	120			
Nitrogen, Nitrite as N	121	mg/L	2.9	97	80	120			
Sulfate	1920	mg/L	3.4	88	80	120			
Sample ID: R08050406-001AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080530A				05/29/08 13:53
Chloride	247	mg/L	5.4	84	80	120	2.2	10	
Fluoride	89.8	mg/L	0.56	83	80	120	2.4	10	
Nitrogen, Nitrate as N	113	mg/L	1.3	91	80	120	2.7	10	
Nitrogen, Nitrite as N	118	mg/L	2.9	94	80	120	2.5	10	
Sulfate	1890	mg/L	3.4	83	80	120	1.9	10	
Sample ID: R08050406-006AMS	Sample Matrix Spike				Run: DIONEX_080530A				05/29/08 17:26
Chloride	237	mg/L	5.4	86	80	120			
Fluoride	92.5	mg/L	0.56	85	80	120			
Nitrogen, Nitrate as N	116	mg/L	1.3	93	80	120			
Nitrogen, Nitrite as N	121	mg/L	2.9	97	80	120			
Sulfate	1010	mg/L	3.4	82	80	120			
Sample ID: R08050406-006AMSD	Sample Matrix Spike Duplicate				Run: DIONEX_080530A				05/29/08 17:42
Chloride	238	mg/L	5.4	86	80	120	0.5	10	
Fluoride	93.0	mg/L	0.56	86	80	120	0.5	10	
Nitrogen, Nitrate as N	117	mg/L	1.3	93	80	120	0.4	10	
Nitrogen, Nitrite as N	122	mg/L	2.9	97	80	120	0.5	10	
Sulfate	1000	mg/L	3.4	81	80	120	1.0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050406

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E900.0									Batch: C_GrAB-0465
Sample ID: MB-GrAB-0465	Method Blank				Run: SUB-C103416				06/26/08 11:24
Gross Alpha	0.5	pCi/L							
Gross Beta	-2	pCi/L							
Sample ID: UNAT-GrAB-0465	Laboratory Control Sample				Run: SUB-C103416				06/26/08 11:24
Gross Alpha	150	pCi/L		106	70	130			
Sample ID: C08060007-003EMS	Sample Matrix Spike				Run: SUB-C103416				06/26/08 11:24
Gross Alpha	240	pCi/L		98	70	130			
Sample ID: C08060007-003EMSD	Sample Matrix Spike Duplicate				Run: SUB-C103416				06/26/08 11:24
Gross Alpha	230	pCi/L		90	70	130	4.7	15.3	
Method: E903.0									Batch: C_18760
Sample ID: C08051260-001IMS	Sample Matrix Spike				Run: SUB-C102780				06/17/08 09:14
Radium 226	34	pCi/L		108	70	130			
Sample ID: C08051260-001IMSD	Sample Matrix Spike Duplicate				Run: SUB-C102780				06/17/08 09:14
Radium 226	32	pCi/L		97	70	130	6.8	21.5	
Sample ID: MB-18760	Method Blank				Run: SUB-C102780				06/17/08 10:48
Radium 226	-2	pCi/L							U
Sample ID: LCS-18760	Laboratory Control Sample				Run: SUB-C102780				06/17/08 10:48
Radium 226	17	pCi/L		111	70	130			
Method: E907.0									Batch: C_18760
Sample ID: R08050419-002I	Sample Matrix Spike				Run: SUB-C103470				06/13/08 13:30
Thorium 230	22.2	pCi/L	0.20	95	70	130			
Sample ID: R08050419-002I	Sample Matrix Spike Duplicate				Run: SUB-C103470				06/13/08 13:30
Thorium 230	22.6	pCi/L	0.20	98	70	130	1.8	30	
Method: E907.0									Batch: C_R103514
Sample ID: C08060096-003HMS	Sample Matrix Spike				Run: SUB-C103514				06/16/08 13:30
Thorium 230	12.4	pCi/L	0.20	102	70	130			
Sample ID: C08060096-003HMSD	Sample Matrix Spike Duplicate				Run: SUB-C103514				06/16/08 13:30
Thorium 230	11.0	pCi/L	0.20	90	70	130	12	30	

Qualifiers:

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

QA/QC Summary Report

Client: RESPEC Inc
Project: Edgemont

Report Date: 07/30/08
Work Order: R08050406

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E909.0M									Batch: C_18760
Sample ID: C08051260-002IMS	Sample Matrix Spike				Run: SUB-C103520				06/11/08 06:30
Lead 210	3000	pCi/L		127	70	130			
Sample ID: C08051260-002IMSD	Sample Matrix Spike Duplicate				Run: SUB-C103520				06/11/08 06:30
Lead 210	2100	pCi/L		89	70	130	35	30	R
- The RPD for the MSD is high. The individual spike recoveries are within range, the MB is acceptable, and the LCS is within range, therefore the batch is approved.									
Method: RMO-3008									Batch: C_18760
Sample ID: C08060130-004FMS	Sample Matrix Spike				Run: SUB-C103721				06/25/08 17:27
Polonium 210	51	pCi/L	1.0	117	70	130			
Sample ID: C08060130-004FMSD	Sample Matrix Spike Duplicate				Run: SUB-C103721				06/25/08 17:27
Polonium 210	48	pCi/L	1.0	109	70	130	6.9	30	
Method: RMO-3008									Batch: C_R103750
Sample ID: R08050356-004K	Sample Matrix Spike				Run: SUB-C103750				07/01/08 14:30
Polonium 210	180	pCi/L	1.0	109	70	130			
Sample ID: R08050356-004K	Sample Matrix Spike Duplicate				Run: SUB-C103750				07/01/08 14:30
Polonium 210	170	pCi/L	1.0	101	70	130	8.2	30	

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
R - RPD exceeds advisory limit.